



APPENDIX E
CONFIRMATION SAMPLING ANALYTICAL RESULTS
(Provided on CD)



CERTIFICATE OF ANALYSIS

FILE COPY

Kelly Chatterton
AMEC Environmental and Infrastructure
107 Audubon Road, Suite 301
Wakefield, MA 01880

RE: Gorham Parcel C-1 Cap (3650110213)
ESS Laboratory Work Order Number: 1210126

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 5:33 pm, Oct 31, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

Columbia Analytical Services - Simi Valley, CA Dioxin - Full List



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210126

SAMPLE RECEIPT

The following samples were received on October 04, 2012 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1210126-01	SSSWB01	Soil	6010B, 8270C
1210126-02	SSSWS01	Soil	6010B, 8270C
1210126-03	SSSWW01	Soil	6010B, 8270C
1210126-04	SSSWN01	Soil	6010B, 8270C
1210126-05	SSSWE01	Soil	6010B, 8270C
1210126-06	SSNW2B01	Soil	§, 6010B
1210126-07	SSNW2W01	Soil	§, 6010B
1210126-08	SSNW2N01	Soil	§, 6010B
1210126-09	SSNW2E01	Soil	§, 6010B
1210126-10	SSNW2S01	Soil	§, 6010B
1210126-11	SSNW1B01	Soil	§, 6010B
1210126-12	SSNW1S01	Soil	§, 6010B
1210126-13	SSNW1W01	Soil	§, 6010B
1210126-14	SSNW1N01	Soil	§, 6010B
1210126-15	SSNW1E01	Soil	§, 6010B



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210126

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWB01
Date Sampled: 10/03/12 10:50
Percent Solids: 94

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	13.2 (3.3)	6010B	150	1	JP	10/06/12 21:40	3.19	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWB01
Date Sampled: 10/03/12 10:50
Percent Solids: 94
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/12 9:45

8270C Polynuclear Aromatic Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>RI - RES DEC</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
		<u>Limit</u>	<u>DF</u>			
2-Methylnaphthalene	ND (0.347)	123	1	10/11/12 0:32	CVJ0098	CJ20519
Acenaphthene	ND (0.347)	43	1	10/11/12 0:32	CVJ0098	CJ20519
Acenaphthylene	0.371 (0.347)	23	1	10/11/12 0:32	CVJ0098	CJ20519
Anthracene	ND (0.347)	35	1	10/11/12 0:32	CVJ0098	CJ20519
Benzo(a)anthracene	0.626 (0.347)	0.9	1	10/11/12 0:32	CVJ0098	CJ20519
Benzo(a)pyrene	0.621 (0.174)	0.4	1	10/11/12 0:32	CVJ0098	CJ20519
Benzo(b)fluoranthene	1.06 (0.347)	0.9	1	10/11/12 0:32	CVJ0098	CJ20519
Benzo(g,h,i)perylene	0.616 (0.347)	0.8	1	10/11/12 0:32	CVJ0098	CJ20519
Benzo(k)fluoranthene	0.404 (0.347)	0.9	1	10/11/12 0:32	CVJ0098	CJ20519
Chrysene	0.780 (0.174)	0.4	1	10/11/12 0:32	CVJ0098	CJ20519
Dibenzo(a,h)Anthracene	0.256 (0.174)	0.4	1	10/11/12 0:32	CVJ0098	CJ20519
Fluoranthene	1.60 (0.347)	20	1	10/11/12 0:32	CVJ0098	CJ20519
Fluorene	ND (0.347)	28	1	10/11/12 0:32	CVJ0098	CJ20519
Indeno(1,2,3-cd)Pyrene	0.541 (0.347)	0.9	1	10/11/12 0:32	CVJ0098	CJ20519
Naphthalene	ND (0.347)	54	1	10/11/12 0:32	CVJ0098	CJ20519
Phenanthrene	0.726 (0.347)	40	1	10/11/12 0:32	CVJ0098	CJ20519
Pyrene	1.19 (0.347)	13	1	10/11/12 0:32	CVJ0098	CJ20519

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	76 %		30-130
Surrogate: 2-Fluorobiphenyl	87 %		30-130
Surrogate: Nitrobenzene-d5	84 %		30-130
Surrogate: p-Terphenyl-d14	88 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWS01
Date Sampled: 10/03/12 10:53
Percent Solids: 94

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	110 (5.1)	6010B	150	1	JP	10/06/12 21:53	2.1	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWS01
Date Sampled: 10/03/12 10:53
Percent Solids: 94
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/12 9:45

8270C Polynuclear Aromatic Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>RI - RES DEC</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
		<u>Limit</u>	<u>DF</u>			
2-Methylnaphthalene	ND (0.364)	123	1	10/11/12 1:05	CVJ0098	CJ20519
Acenaphthene	ND (0.364)	43	1	10/11/12 1:05	CVJ0098	CJ20519
Acenaphthylene	ND (0.364)	23	1	10/11/12 1:05	CVJ0098	CJ20519
Anthracene	ND (0.364)	35	1	10/11/12 1:05	CVJ0098	CJ20519
Benzo(a)anthracene	0.853 (0.364)	0.9	1	10/11/12 1:05	CVJ0098	CJ20519
Benzo(a)pyrene	0.836 (0.183)	0.4	1	10/11/12 1:05	CVJ0098	CJ20519
Benzo(b)fluoranthene	1.31 (0.364)	0.9	1	10/11/12 1:05	CVJ0098	CJ20519
Benzo(g,h,i)perylene	0.810 (0.364)	0.8	1	10/11/12 1:05	CVJ0098	CJ20519
Benzo(k)fluoranthene	0.422 (0.364)	0.9	1	10/11/12 1:05	CVJ0098	CJ20519
Chrysene	1.03 (0.183)	0.4	1	10/11/12 1:05	CVJ0098	CJ20519
Dibenzo(a,h)Anthracene	0.326 (0.183)	0.4	1	10/11/12 1:05	CVJ0098	CJ20519
Fluoranthene	1.88 (0.364)	20	1	10/11/12 1:05	CVJ0098	CJ20519
Fluorene	ND (0.364)	28	1	10/11/12 1:05	CVJ0098	CJ20519
Indeno(1,2,3-cd)Pyrene	0.661 (0.364)	0.9	1	10/11/12 1:05	CVJ0098	CJ20519
Naphthalene	ND (0.364)	54	1	10/11/12 1:05	CVJ0098	CJ20519
Phenanthrene	0.896 (0.364)	40	1	10/11/12 1:05	CVJ0098	CJ20519
Pyrene	1.54 (0.364)	13	1	10/11/12 1:05	CVJ0098	CJ20519

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	48 %		30-130
Surrogate: 2-Fluorobiphenyl	56 %		30-130
Surrogate: Nitrobenzene-d5	50 %		30-130
Surrogate: p-Terphenyl-d14	63 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWW01
Date Sampled: 10/03/12 10:56
Percent Solids: 94

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	32.9 (3.4)	6010B	150	1	JP	10/06/12 21:57	3.17	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWW01
Date Sampled: 10/03/12 10:56
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/12 9:45

8270C Polynuclear Aromatic Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>RI - RES DEC</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
		<u>Limit</u>	<u>DF</u>			
2-Methylnaphthalene	ND (0.366)	123	1	10/11/12 1:38	CVJ0098	CJ20519
Acenaphthene	ND (0.366)	43	1	10/11/12 1:38	CVJ0098	CJ20519
Acenaphthylene	ND (0.366)	23	1	10/11/12 1:38	CVJ0098	CJ20519
Anthracene	ND (0.366)	35	1	10/11/12 1:38	CVJ0098	CJ20519
Benzo(a)anthracene	ND (0.366)	0.9	1	10/11/12 1:38	CVJ0098	CJ20519
Benzo(a)pyrene	0.255 (0.184)	0.4	1	10/11/12 1:38	CVJ0098	CJ20519
Benzo(b)fluoranthene	ND (0.366)	0.9	1	10/11/12 1:38	CVJ0098	CJ20519
Benzo(g,h,i)perylene	ND (0.366)	0.8	1	10/11/12 1:38	CVJ0098	CJ20519
Benzo(k)fluoranthene	ND (0.366)	0.9	1	10/11/12 1:38	CVJ0098	CJ20519
Chrysene	0.303 (0.184)	0.4	1	10/11/12 1:38	CVJ0098	CJ20519
Dibenzo(a,h)Anthracene	ND (0.184)	0.4	1	10/11/12 1:38	CVJ0098	CJ20519
Fluoranthene	0.563 (0.366)	20	1	10/11/12 1:38	CVJ0098	CJ20519
Fluorene	ND (0.366)	28	1	10/11/12 1:38	CVJ0098	CJ20519
Indeno(1,2,3-cd)Pyrene	ND (0.366)	0.9	1	10/11/12 1:38	CVJ0098	CJ20519
Naphthalene	ND (0.366)	54	1	10/11/12 1:38	CVJ0098	CJ20519
Phenanthrene	ND (0.366)	40	1	10/11/12 1:38	CVJ0098	CJ20519
Pyrene	0.450 (0.366)	13	1	10/11/12 1:38	CVJ0098	CJ20519

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	55 %		30-130
Surrogate: 2-Fluorobiphenyl	61 %		30-130
Surrogate: Nitrobenzene-d5	57 %		30-130
Surrogate: p-Terphenyl-d14	67 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWN01
Date Sampled: 10/03/12 11:00
Percent Solids: 94

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	64.3 (4.7)	6010B	150	1	JP	10/06/12 22:01	2.26	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWN01
Date Sampled: 10/03/12 11:00
Percent Solids: 94
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/12 9:45

8270C Polynuclear Aromatic Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>RI - RES DEC</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
		<u>Limit</u>	<u>DF</u>			
2-Methylnaphthalene	ND (0.347)	123	1	10/11/12 2:11	CVJ0098	CJ20519
Acenaphthene	ND (0.347)	43	1	10/11/12 2:11	CVJ0098	CJ20519
Acenaphthylene	ND (0.347)	23	1	10/11/12 2:11	CVJ0098	CJ20519
Anthracene	ND (0.347)	35	1	10/11/12 2:11	CVJ0098	CJ20519
Benzo(a)anthracene	0.434 (0.347)	0.9	1	10/11/12 2:11	CVJ0098	CJ20519
Benzo(a)pyrene	0.442 (0.174)	0.4	1	10/11/12 2:11	CVJ0098	CJ20519
Benzo(b)fluoranthene	0.661 (0.347)	0.9	1	10/11/12 2:11	CVJ0098	CJ20519
Benzo(g,h,i)perylene	0.401 (0.347)	0.8	1	10/11/12 2:11	CVJ0098	CJ20519
Benzo(k)fluoranthene	ND (0.347)	0.9	1	10/11/12 2:11	CVJ0098	CJ20519
Chrysene	0.515 (0.174)	0.4	1	10/11/12 2:11	CVJ0098	CJ20519
Dibenzo(a,h)Anthracene	ND (0.174)	0.4	1	10/11/12 2:11	CVJ0098	CJ20519
Fluoranthene	1.01 (0.347)	20	1	10/11/12 2:11	CVJ0098	CJ20519
Fluorene	ND (0.347)	28	1	10/11/12 2:11	CVJ0098	CJ20519
Indeno(1,2,3-cd)Pyrene	ND (0.347)	0.9	1	10/11/12 2:11	CVJ0098	CJ20519
Naphthalene	ND (0.347)	54	1	10/11/12 2:11	CVJ0098	CJ20519
Phenanthrene	0.601 (0.347)	40	1	10/11/12 2:11	CVJ0098	CJ20519
Pyrene	0.807 (0.347)	13	1	10/11/12 2:11	CVJ0098	CJ20519

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	54 %		30-130
Surrogate: 2-Fluorobiphenyl	63 %		30-130
Surrogate: Nitrobenzene-d5	57 %		30-130
Surrogate: p-Terphenyl-d14	76 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWE01
Date Sampled: 10/03/12 11:04
Percent Solids: 95

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	25.9 (4.5)	6010B	150	1	JP	10/06/12 22:05	2.33	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWE01
Date Sampled: 10/03/12 11:04
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/12 9:45

8270C Polynuclear Aromatic Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>RI - RES DEC</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
		<u>Limit</u>	<u>DF</u>			
2-Methylnaphthalene	ND (0.344)	123	1	10/11/12 2:44	CVJ0098	CJ20519
Acenaphthene	ND (0.344)	43	1	10/11/12 2:44	CVJ0098	CJ20519
Acenaphthylene	ND (0.344)	23	1	10/11/12 2:44	CVJ0098	CJ20519
Anthracene	ND (0.344)	35	1	10/11/12 2:44	CVJ0098	CJ20519
Benzo(a)anthracene	ND (0.344)	0.9	1	10/11/12 2:44	CVJ0098	CJ20519
Benzo(a)pyrene	0.295 (0.172)	0.4	1	10/11/12 2:44	CVJ0098	CJ20519
Benzo(b)fluoranthene	0.417 (0.344)	0.9	1	10/11/12 2:44	CVJ0098	CJ20519
Benzo(g,h,i)perylene	ND (0.344)	0.8	1	10/11/12 2:44	CVJ0098	CJ20519
Benzo(k)fluoranthene	ND (0.344)	0.9	1	10/11/12 2:44	CVJ0098	CJ20519
Chrysene	0.365 (0.172)	0.4	1	10/11/12 2:44	CVJ0098	CJ20519
Dibenzo(a,h)Anthracene	ND (0.172)	0.4	1	10/11/12 2:44	CVJ0098	CJ20519
Fluoranthene	0.703 (0.344)	20	1	10/11/12 2:44	CVJ0098	CJ20519
Fluorene	ND (0.344)	28	1	10/11/12 2:44	CVJ0098	CJ20519
Indeno(1,2,3-cd)Pyrene	ND (0.344)	0.9	1	10/11/12 2:44	CVJ0098	CJ20519
Naphthalene	ND (0.344)	54	1	10/11/12 2:44	CVJ0098	CJ20519
Phenanthrene	0.363 (0.344)	40	1	10/11/12 2:44	CVJ0098	CJ20519
Pyrene	0.547 (0.344)	13	1	10/11/12 2:44	CVJ0098	CJ20519

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	57 %		30-130
Surrogate: 2-Fluorobiphenyl	63 %		30-130
Surrogate: Nitrobenzene-d5	61 %		30-130
Surrogate: p-Terphenyl-d14	63 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2B01
Date Sampled: 10/03/12 11:15

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-06
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2B01
Date Sampled: 10/03/12 11:15
Percent Solids: 92

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	8.0 (4.5)	6010B	150	1	JP	10/06/12 22:09	2.42	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2W01
Date Sampled: 10/03/12 11:18

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-07
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2W01
Date Sampled: 10/03/12 11:18
Percent Solids: 93

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (4.6)	6010B	150	1	JP	10/06/12 22:13	2.35	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2N01
Date Sampled: 10/03/12 11:21

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-08
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2N01
Date Sampled: 10/03/12 11:21
Percent Solids: 91

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	5.0 (4.4)	6010B	150	1	JP	10/06/12 22:18	2.5	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2E01
Date Sampled: 10/03/12 11:25

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-09
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2E01
Date Sampled: 10/03/12 11:25
Percent Solids: 92

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-09
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (5.4)	6010B	150	1	JP	10/06/12 22:22	2	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2S01
Date Sampled: 10/03/12 11:29

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-10
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW2S01
Date Sampled: 10/03/12 11:29
Percent Solids: 90

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-10
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	8.5 (5.0)	6010B	150	1	JP	10/06/12 22:26	2.21	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1B01
Date Sampled: 10/03/12 11:38

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-11
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1B01
Date Sampled: 10/03/12 11:38
Percent Solids: 92

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-11
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (5.4)	6010B	150	1	JP	10/06/12 22:30	2.03	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1S01
Date Sampled: 10/03/12 11:42

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-12
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1S01
Date Sampled: 10/03/12 11:42
Percent Solids: 92

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-12
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (4.9)	6010B	150	1	JP	10/06/12 22:42	2.24	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1W01
Date Sampled: 10/03/12 11:46

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-13
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1W01
Date Sampled: 10/03/12 11:46
Percent Solids: 92

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-13
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (5.1)	6010B	150	1	JP	10/06/12 22:47	2.12	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1N01
Date Sampled: 10/03/12 11:51

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-14
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1N01
Date Sampled: 10/03/12 11:51
Percent Solids: 92

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-14
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	6.3 (5.2)	6010B	150	1	JP	10/06/12 22:51	2.09	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1E01
Date Sampled: 10/03/12 11:55

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-15
Sample Matrix: Soil
Units: %

Dioxins

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Frequency</u>	<u>Batch</u>
Dioxin	See Attached (N/A)							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSNW1E01
Date Sampled: 10/03/12 11:55
Percent Solids: 90

ESS Laboratory Work Order: 1210126
ESS Laboratory Sample ID: 1210126-15
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	26.8 (4.9)	6010B	150	1	JP	10/06/12 22:55	2.26	100	CJ20516



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CJ20516 - 3050B

Blank

Lead	ND	5.0	mg/kg wet							
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LCS

Lead	63.3	18.9	mg/kg wet	76.90		82	80-120			
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LCS Dup

Lead	76.7	19.2	mg/kg wet	76.90		100	80-120	19	20	
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8270C Polynuclear Aromatic Hydrocarbons

Batch CJ20519 - 3546

Blank

2-Methylnaphthalene	ND	0.333	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							

Surrogate: 1,2-Dichlorobenzene-d4	3.37		mg/kg wet	3.333		101	30-130			
Surrogate: 2-Fluorobiphenyl	3.15		mg/kg wet	3.333		94	30-130			
Surrogate: Nitrobenzene-d5	3.11		mg/kg wet	3.333		93	30-130			
Surrogate: p-Terphenyl-d14	3.51		mg/kg wet	3.333		105	30-130			

LCS

2-Methylnaphthalene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Acenaphthene	2.92	0.333	mg/kg wet	3.333		88	40-140			
Acenaphthylene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Anthracene	3.16	0.333	mg/kg wet	3.333		95	40-140			
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)pyrene	2.96	0.167	mg/kg wet	3.333		89	40-140			
Benzo(b)fluoranthene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Benzo(g,h,i)perylene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	3.28	0.333	mg/kg wet	3.333		98	40-140			
Chrysene	2.99	0.167	mg/kg wet	3.333		90	40-140			
Dibenzo(a,h)Anthracene	3.23	0.167	mg/kg wet	3.333		97	40-140			
Fluoranthene	3.03	0.333	mg/kg wet	3.333		91	40-140			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210126

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ20519 - 3546										
Fluorene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Indeno(1,2,3-cd)Pyrene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Naphthalene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Phenanthrene	3.09	0.333	mg/kg wet	3.333		93	40-140			
Pyrene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	3.26		mg/kg wet	3.333		98	30-130			
Surrogate: 2-Fluorobiphenyl	3.13		mg/kg wet	3.333		94	30-130			
Surrogate: Nitrobenzene-d5	3.02		mg/kg wet	3.333		91	30-130			
Surrogate: p-Terphenyl-d14	3.52		mg/kg wet	3.333		106	30-130			
LCS Dup										
2-Methylnaphthalene	2.81	0.333	mg/kg wet	3.333		84	40-140	4	30	
Acenaphthene	3.00	0.333	mg/kg wet	3.333		90	40-140	3	30	
Acenaphthylene	2.67	0.333	mg/kg wet	3.333		80	40-140	3	30	
Anthracene	3.18	0.333	mg/kg wet	3.333		95	40-140	0.5	30	
Benzo(a)anthracene	3.06	0.333	mg/kg wet	3.333		92	40-140	2	30	
Benzo(a)pyrene	3.13	0.167	mg/kg wet	3.333		94	40-140	6	30	
Benzo(b)fluoranthene	3.13	0.333	mg/kg wet	3.333		94	40-140	2	30	
Benzo(g,h,i)perylene	3.12	0.333	mg/kg wet	3.333		93	40-140	2	30	
Benzo(k)fluoranthene	3.36	0.333	mg/kg wet	3.333		101	40-140	2	30	
Chrysene	3.06	0.167	mg/kg wet	3.333		92	40-140	2	30	
Dibenzo(a,h)Anthracene	3.29	0.167	mg/kg wet	3.333		99	40-140	2	30	
Fluoranthene	3.05	0.333	mg/kg wet	3.333		91	40-140	0.4	30	
Fluorene	3.07	0.333	mg/kg wet	3.333		92	40-140	3	30	
Indeno(1,2,3-cd)Pyrene	3.09	0.333	mg/kg wet	3.333		93	40-140	0.7	30	
Naphthalene	2.82	0.333	mg/kg wet	3.333		85	40-140	3	30	
Phenanthrene	3.13	0.333	mg/kg wet	3.333		94	40-140	1	30	
Pyrene	3.11	0.333	mg/kg wet	3.333		93	40-140	2	30	
Surrogate: 1,2-Dichlorobenzene-d4	3.28		mg/kg wet	3.333		99	30-130			
Surrogate: 2-Fluorobiphenyl	3.20		mg/kg wet	3.333		96	30-130			
Surrogate: Nitrobenzene-d5	3.10		mg/kg wet	3.333		93	30-130			
Surrogate: p-Terphenyl-d14	3.55		mg/kg wet	3.333		106	30-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210126

Notes and Definitions

- Z-08 See Attached
- U Analyte included in the analysis, but not detected
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210126

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>



October 16, 2012

Service Request No: E1201354

Elizabeth Ouk
ESS Laboratories
eouk@thielsch.com
185 Frances Ave.
Cranston, RI 02910

Laboratory Results for: 1210126

Dear Elizabeth:

Enclosed are the results of the sample(s) submitted to our laboratory on October 5, 2012. For your reference, these analyses have been assigned our service request number **E1201354**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current TNI standards, where applicable, and except as noted in the laboratory case narrative provided. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for use of less than the final complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the TNI 2009 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 2959. You may also contact me via email at Nicole.Brown@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Nicole Brown
Project Manager

Page 1 of _____

For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com.



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Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company



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Certificate of Analysis

19408 Park Row, Suite 320, Houston, TX 77084

Phone (713)266-1599 Fax (713)266-0130

www.caslab.com

An Employee Owned Company

COLUMBIA ANALYTICAL SERVICES, INC
dba ALS Environmental

Client: ESS Laboratory
Project: 1210126
Sample Matrix: Soil

Service Request No.: E1201354
Date Received: 10/05/12

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Ten soil samples were received for analysis at ALS Environmental on 10/05/12.

The following discrepancies were noted upon initial sample inspection: no custody seals on cooler. The exceptions are also noted on the cooler receipt and preservation form included in this data package.

The samples were received at 3°C in good condition and are consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

B flags – Method Blanks

The Method Blank EQ1200576-01 contained low levels of OCDD below the Method Reporting Limit (MRL). The associated compounds in the samples are flagged with 'B' flags.

MS/MSD

EQ1200576: One Laboratory Control Spike (LCS) sample was analyzed and reported in addition to an MS/MSD for this extraction batch. The batch quality control criteria were met.

C flags – 2378-TCDF Confirmation

Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225.) The results from both the DB-5 column and the DB-225 column are included in this data package.

The valid result for the 2378-TCDF compound is reported from the confirmation column.

The confirmation results have been included on the Total TEQ summary pages.

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

Detection Limits

Detection limits are calculated for each analyte in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ Summary results for each sample have been calculated by CAS/Houston to include:

- WHO-2005 TEFs, The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds (M. Van den Berg et al., Toxicological Sciences 93(2):223-241, 2006)
- 2378-TCDF from the DB-225 column, when confirmation required
- Non-detected compounds are not included in the 'Total'

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

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Client: ESS Laboratories
Project: 1210126

Service Request: E1201354

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
E1201354-001	1210126-06	10/3/12	11:15
E1201354-002	1210126-07	10/3/12	11:18
E1201354-003	1210126-08	10/3/12	11:21
E1201354-004	1210126-09	10/3/12	11:25
E1201354-005	1210126-10	10/3/12	11:29
E1201354-006	1210126-11	10/3/12	11:38
E1201354-007	1210126-12	10/3/12	11:42
E1201354-008	1210126-13	10/3/12	11:46
E1201354-009	1210126-14	10/3/12	11:51
E1201354-010	1210126-15	10/3/12	11:55

Laboratory Certifications 2012-2013

STATE/PROGRAM	AGENCY	CERT#	EXP DATE	CERTIFIED?
DoD ELAP	A2LA	2897.01	11/30/12	Yes
ISO 17025	A2LA	2897.01	11/30/12	Yes
ARIZONA	AZ-DHS	AZ0725	05/27/13	Yes
ARKANSAS	ADEQ	10-035-0	06/16/13	Yes
CALIFORNIA	CA-ELAP	2452	02/28/13	Yes
FLORIDA/NELAP	FL-DOHS	E87611	06/30/13	Yes
HAWAII	HI-DOH	N/A	06/30/13	Yes
ILLINOIS/NELAP	IL-EPA	002611	10/26/12	Yes
LOUISIANA/NELAP	LELAP	03048	06/30/13	Yes
LOUISIANA/NELAP	LDHH	LA100032	12/31/12	Yes
MAINE	ME-DOHS	2010041	06/05/13	Yes
MICHIGAN	MIDEQ	9971	06/30/13	Yes
MINNESOTA	MDH	048-999-427	12/31/12	Yes
NEVADA	NDEP	TX014112010A	09/30/12	Yes (Extension)
NEW JERSEY	NJDEP	TX008	06/30/13	Yes
NEW MEXICO	NMED-DWB	N/A	06/30/13	Yes
NEW YORK/NELAP	NY-DOH	11707	04/1/13	Yes
OKLAHOMA	OKDEQ	2010-022	08/31/13	Yes
OREGON/NELAP	ORELAP	TX200002-006	03/24/13	Yes
PENNSYLVANIA/NELAP	PLAP	002	06/30/13	Yes
TENNESSEE	TNDEC	04016	06/30/13	Yes
TEXAS/NELAP	TCEQ	T104704216-10-1	06/30/13	Yes
UTAH/NELAP	UTELCP	COLU2	06/30/13	Yes
SOIL IMPORT PERMIT	USDA	P330-12-00002	01/13/15	Yes
WASHINGTON/NELAP	WA-Ecology	C819-10	11/14/12	Yes
WEST VIRGINIA	WVDEP	347	06/30/12	Yes

Abbreviations, Acronyms & Definitions

Cal	Calibration
Conc	CONCentration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
MRL	Method Reporting Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent Recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
RRT	Relative Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-Noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

Data Qualifier Flags – Dioxin/Furans

- **B** Indicates the associated analyte is found in the method blank, as well as in the sample.
- **C** Confirmation of the TCDF compound: When 2378-TCDF is detected on the DB-5 column, confirmation analyses are performed on a second column (DB-225). The results from both the DB-5 column and the DB-225 column are included in this data package. The results from the DB-225 analyses should be used to evaluate the 2378-TCDF in the samples. The confirmed result should be used in determining the TEQ value for TCDF.
- **E** Indicates an estimated value – used when the analyte concentration exceeds the upper end of the linear calibration range.
- **J** Indicates an estimated value – used when the analyte concentration is below the method reporting limit (MRL) and above the estimated detection limit (EDL).
- **K** EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.
- **U** Indicates the compound was analyzed and not detected.
- **Y** Samples that had recoveries of labeled standards outside the acceptance limits are flagged with 'Y'. In all cases, the signal-to-noise ratios are greater than 10:1, making these data acceptable.
- **ND** Indicates concentration is reported as 'Not Detected.'
- **S** Peak is saturated; data not reportable.
- **P** Indicates chlorodiphenyl ether interference present at the retention time of the target compound.
- **Q** Lock-mass interference by chlorodiphenyl ether compounds.

COLUMBIA ANALYTICAL SERVICES, INC. – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID E1201354

DB-5

DB-225

SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date: 10/15/12 Analyst: *[Signature]* Samples: 001-009

Second Level - Data Review – to be filled by person doing peer review

Date: 10/15/12 Analyst: *[Signature]* Samples: 001-009

COLUMBIA ANALYTICAL SERVICES, INC. – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID

E 1201354

DB-5

DB-225

SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date: 10/16/12

Analyst: ce

Samples: -010

Second Level - Data Review – to be filled by person doing peer review

Date:

Analyst:

Samples:

10/16/12

um

-010

COLUMBIA ANALYTICAL SERVICES, INC. – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID

EQ1200576

DB-5

DB-225

SPB- Oct yl

First Level - Data Processing - to be filled by person generating the forms

Date:	Anal yst:	Sampl es:
10/15/12	JL	-03, -04

Second Level - Data Review - to be filled by person doing peer review

Date:	Anal yst:	Sampl es:
10/15/12	UK	03, 04

EQ 1200576-03 → E1201354-007MS

EQ 1200576-04 → E1201354-007DMS

COLUMBIA ANALYTICAL SERVICES, INC. – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID E1201354

DB- 5

DB- 225

SPB- Oct yl

First Level - Data Processing - to be filled by person generating the forms

Date:	Anal yst:	Sampl es:
10/15/12	JL	-001, -002, -004, -010

Second Level - Data Review - to be filled by person doing peer review

Date:	Anal yst:	Sampl es:
10/15/12	LK	001, 002, 004, 010



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Analytical Results

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Phone (713)266-1599 Fax (713)266-0130

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COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-06
Lab Code: E1201354-001

Service Request: E1201354
Date Collected: 10/ 3/12 1115
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 92.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.038g
Data File Name: U231304
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1755
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.124	0.539			1
1,2,3,7,8-PeCDD	ND	U	0.0971	2.70			1
1,2,3,4,7,8-HxCDD	ND	U	0.149	2.70			1
1,2,3,6,7,8-HxCDD	1.56	J	0.147	2.70	1.17	1.000	1
1,2,3,7,8,9-HxCDD	ND	U	0.142	2.70			1
1,2,3,4,6,7,8-HpCDD	102		0.231	2.70	1.03	1.000	1
OCDD	1090	B	0.240	5.39	0.91	1.000	1
2,3,7,8-TCDF	0.325	CJ	0.124	0.539	0.68	1.001	1
1,2,3,7,8-PeCDF	ND	U	0.0544	2.70			1
2,3,4,7,8-PeCDF	ND	U	0.0631	2.70			1
1,2,3,4,7,8-HxCDF	0.486	J	0.0652	2.70	1.20	1.000	1
1,2,3,6,7,8-HxCDF	0.182	JK	0.0631	2.70	1.54	1.000	1
1,2,3,7,8,9-HxCDF	ND	U	0.0775	2.70			1
2,3,4,6,7,8-HxCDF	ND	U	0.0675	2.70			1
1,2,3,4,6,7,8-HpCDF	8.33		0.190	2.70	1.06	1.000	1
1,2,3,4,7,8,9-HpCDF	1.11	J	0.228	2.70	1.14	1.000	1
OCDF	75.7		0.231	5.39	0.89	1.004	1
Total Tetra-Dioxins	ND	U	0.124	0.539			1
Total Penta-Dioxins	ND	U	0.0971	2.70			1
Total Hexa-Dioxins	3.23		0.149	2.70	1.06		1
Total Hepta-Dioxins	154		0.231	2.70	1.10		1
Total Tetra-Furans	0.809		0.124	0.539	0.68		1
Total Penta-Furans	1.52	J	0.0631	2.70	1.55		1
Total Hexa-Furans	6.73		0.0652	2.70	1.22		1
Total Hepta-Furans	52.3		0.190	2.70	1.06		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-06
Lab Code: E1201354-001

Service Request: E1201354
Date Collected: 10/ 3/12 1115
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 92.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.038g

Data File Name: U231304
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1755
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1311.996	66		40-135	0.79	1.007
13C-1,2,3,7,8-PeCDD	2000	1332.968	67		40-135	1.57	1.162
13C-1,2,3,6,7,8-HxCDD	2000	1225.412	61		40-135	1.28	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1088.376	54		40-135	1.05	1.069
13C-OCDD	4000	1912.375	48		40-135	0.91	1.151
13C-2,3,7,8-TCDF	2000	1144.824	57		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	2000	1407.556	70		40-135	1.59	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1415.339	71		40-135	0.54	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1050.818	53		40-135	0.46	1.045
37Cl-2,3,7,8-TCDD	800	579.373	72		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-06
Lab Code: E1201354-001

Service Request: E1201354
Date Collected: 10/ 3/12 1115
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.124	0.539	1	1	
1,2,3,7,8-PeCDD	ND	0.0971	2.70	1	1	
1,2,3,4,7,8-HxCDD	ND	0.149	2.70	1	0.1	
1,2,3,6,7,8-HxCDD	1.56	0.147	2.70	1	0.1	0.156
1,2,3,7,8,9-HxCDD	ND	0.142	2.70	1	0.1	
1,2,3,4,6,7,8-HpCDD	102	0.231	2.70	1	0.01	1.02
OCDD	1090	0.240	5.39	1	0.0003	0.327
2,3,7,8-TCDF	ND	0.161	0.539	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0544	2.70	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0631	2.70	1	0.3	
1,2,3,4,7,8-HxCDF	0.486	0.0652	2.70	1	0.1	0.0486
1,2,3,6,7,8-HxCDF	0.182	0.0631	2.70	1	0.1	0.0182
1,2,3,7,8,9-HxCDF	ND	0.0775	2.70	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.0675	2.70	1	0.1	
1,2,3,4,6,7,8-HpCDF	8.33	0.190	2.70	1	0.01	0.0833
1,2,3,4,7,8,9-HpCDF	1.11	0.228	2.70	1	0.01	0.0111
OCDF	75.7	0.231	5.39	1	0.0003	0.0227
Total TEQ						1.69

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-06
Lab Code: E1201354-001

Service Request: E1201354
Date Collected: 10/ 3/12 1115
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 92.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.038g
Data File Name: P219954
ICAL Date: 09/14/12

Date Analyzed: 10/15/12 1030
Date Extracted: 10/5/12
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P219953
Cal Ver. File Name: P219952

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	ND	U	0.161	0.539			1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	2000	1282.227	64		40-135	0.79	1.062
37Cl-2,3,7,8-TCDD	800	619.694	77		40-135	NA	0.990

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-07
Lab Code: E1201354-002

Service Request: E1201354
Date Collected: 10/ 3/12 1118
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 93.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.187g
Data File Name: U231305
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1843
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.135	0.526			1
1,2,3,7,8-PeCDD	ND	U	0.119	2.63			1
1,2,3,4,7,8-HxCDD	ND	U	0.132	2.63			1
1,2,3,6,7,8-HxCDD	ND	U	0.136	2.63			1
1,2,3,7,8,9-HxCDD	ND	U	0.128	2.63			1
1,2,3,4,6,7,8-HpCDD	1.10	J	0.128	2.63	1.09	1.000	1
OCDD	7.23	B	0.196	5.26	0.91	1.000	1
2,3,7,8-TCDF	0.370	CJ	0.129	0.526	0.76	1.001	1
1,2,3,7,8-PeCDF	ND	U	0.0589	2.63			1
2,3,4,7,8-PeCDF	ND	U	0.0675	2.63			1
1,2,3,4,7,8-HxCDF	0.396	J	0.0912	2.63	1.14	1.000	1
1,2,3,6,7,8-HxCDF	0.119	JK	0.0890	2.63	1.46	1.001	1
1,2,3,7,8,9-HxCDF	ND	U	0.117	2.63			1
2,3,4,6,7,8-HxCDF	0.186	JK	0.0973	2.63	1.51	1.000	1
1,2,3,4,6,7,8-HpCDF	0.825	J	0.0844	2.63	0.93	1.000	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.106	2.63			1
OCDF	1.18	J	0.182	5.26	0.85	1.005	1
Total Tetra-Dioxins	ND	U	0.135	0.526			1
Total Penta-Dioxins	0.217	J	0.119	2.63	1.63		1
Total Hexa-Dioxins	0.570	J	0.132	2.63	1.38		1
Total Hepta-Dioxins	2.42	J	0.128	2.63	1.14		1
Total Tetra-Furans	0.662		0.129	0.526	0.89		1
Total Penta-Furans	1.81	J	0.0675	2.63	1.42		1
Total Hexa-Furans	1.86	J	0.0912	2.63	1.25		1
Total Hepta-Furans	1.18	J	0.0844	2.63	0.93		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-07
Lab Code: E1201354-002

Service Request: E1201354
Date Collected: 10/ 3/12 1118
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 93.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.187g

Data File Name: U231305
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1843
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1130.558	57		40-135	0.78	1.007
13C-1,2,3,7,8-PeCDD	2000	1195.585	60		40-135	1.59	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1145.574	57		40-135	1.27	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1066.466	53		40-135	1.07	1.069
13C-OCDD	4000	1894.099	47		40-135	0.93	1.151
13C-2,3,7,8-TCDF	2000	1083.265	54		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	2000	1226.480	61		40-135	1.56	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1231.066	62		40-135	0.55	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1030.347	52		40-135	0.45	1.045
37Cl-2,3,7,8-TCDD	800	493.744	62		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-07
Lab Code: E1201354-002

Service Request: E1201354
Date Collected: 10/ 3/12 1118
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.135	0.526	1	1	
1,2,3,7,8-PeCDD	ND	0.119	2.63	1	1	
1,2,3,4,7,8-HxCDD	ND	0.132	2.63	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.136	2.63	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.128	2.63	1	0.1	
1,2,3,4,6,7,8-HpCDD	1.10	0.128	2.63	1	0.01	0.0110
OCDD	7.23	0.196	5.26	1	0.0003	0.00217
2,3,7,8-TCDF	ND	0.344	0.526	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0589	2.63	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0675	2.63	1	0.3	
1,2,3,4,7,8-HxCDF	0.396	0.0912	2.63	1	0.1	0.0396
1,2,3,6,7,8-HxCDF	0.119	0.0890	2.63	1	0.1	0.0119
1,2,3,7,8,9-HxCDF	ND	0.117	2.63	1	0.1	
2,3,4,6,7,8-HxCDF	0.186	0.0973	2.63	1	0.1	0.0186
1,2,3,4,6,7,8-HpCDF	0.825	0.0844	2.63	1	0.01	0.00825
1,2,3,4,7,8,9-HpCDF	ND	0.106	2.63	1	0.01	
OCDF	1.18	0.182	5.26	1	0.0003	0.000354
Total TEQ						0.0919

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-07
Lab Code: E1201354-002

Service Request: E1201354
Date Collected: 10/ 3/12 1118
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 93.4

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.187g
Data File Name: P219955
ICAL Date: 09/14/12

Date Analyzed: 10/15/12 1108
Date Extracted: 10/5/12
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P219953
Cal Ver. File Name: P219952

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	ND	U	0.344	0.526			1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	2000	1229.814	61		40-135	0.78	1.062
37Cl-2,3,7,8-TCDD	800	555.422	69		40-135	NA	0.990

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-08
Lab Code: E1201354-003

Service Request: E1201354
Date Collected: 10/ 3/12 1121
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 79.9

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.101g
Data File Name: U231306
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1931
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.165	0.620			1
1,2,3,7,8-PeCDD	ND	U	0.141	3.10			1
1,2,3,4,7,8-HxCDD	ND	U	0.219	3.10			1
1,2,3,6,7,8-HxCDD	ND	U	0.221	3.10			1
1,2,3,7,8,9-HxCDD	ND	U	0.211	3.10			1
1,2,3,4,6,7,8-HpCDD	ND	U	0.293	3.10			1
OCDD	2.23	BJ	0.395	6.20	0.89	1.000	1
2,3,7,8-TCDF	ND	U	0.129	0.620			1
1,2,3,7,8-PeCDF	ND	U	0.0818	3.10			1
2,3,4,7,8-PeCDF	ND	U	0.0931	3.10			1
1,2,3,4,7,8-HxCDF	ND	U	0.137	3.10			1
1,2,3,6,7,8-HxCDF	ND	U	0.129	3.10			1
1,2,3,7,8,9-HxCDF	ND	U	0.174	3.10			1
2,3,4,6,7,8-HxCDF	ND	U	0.140	3.10			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.151	3.10			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.199	3.10			1
OCDF	ND	U	0.292	6.20			1
Total Tetra-Dioxins	ND	U	0.165	0.620			1
Total Penta-Dioxins	ND	U	0.141	3.10			1
Total Hexa-Dioxins	ND	U	0.219	3.10			1
Total Hepta-Dioxins	ND	U	0.293	3.10			1
Total Tetra-Furans	ND	U	0.129	0.620			1
Total Penta-Furans	ND	U	0.0931	3.10			1
Total Hexa-Furans	ND	U	0.137	3.10			1
Total Hepta-Furans	ND	U	0.151	3.10			1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-08
Lab Code: E1201354-003

Service Request: E1201354
Date Collected: 10/ 3/12 1121
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 79.9

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.101g
Data File Name: U231306
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1931
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1182.888	59		40-135	0.78	1.007
13C-1,2,3,7,8-PeCDD	2000	1244.620	62		40-135	1.58	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1194.139	60		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1144.569	57		40-135	1.09	1.069
13C-OCDD	4000	2027.087	51		40-135	0.91	1.151
13C-2,3,7,8-TCDF	2000	1157.985	58		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	2000	1276.700	64		40-135	1.60	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1411.246	71		40-135	0.52	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1129.898	56		40-135	0.47	1.045
37Cl-2,3,7,8-TCDD	800	514.030	64		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-08
Lab Code: E1201354-003

Service Request: E1201354
Date Collected: 10/ 3/12 1121
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.165	0.620	1	1	
1,2,3,7,8-PeCDD	ND	0.141	3.10	1	1	
1,2,3,4,7,8-HxCDD	ND	0.219	3.10	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.221	3.10	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.211	3.10	1	0.1	
1,2,3,4,6,7,8-HpCDD	ND	0.293	3.10	1	0.01	
OCDD	2.23	0.395	6.20	1	0.0003	0.000669
2,3,7,8-TCDF	ND	0.129	0.620	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0818	3.10	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0931	3.10	1	0.3	
1,2,3,4,7,8-HxCDF	ND	0.137	3.10	1	0.1	
1,2,3,6,7,8-HxCDF	ND	0.129	3.10	1	0.1	
1,2,3,7,8,9-HxCDF	ND	0.174	3.10	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.140	3.10	1	0.1	
1,2,3,4,6,7,8-HpCDF	ND	0.151	3.10	1	0.01	
1,2,3,4,7,8,9-HpCDF	ND	0.199	3.10	1	0.01	
OCDF	ND	0.292	6.20	1	0.0003	

Total TEQ

0.000669

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-09
Lab Code: E1201354-004

Service Request: E1201354
Date Collected: 10/ 3/12 1125
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 92.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.072g
Data File Name: U231307
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2018
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.132	0.536			1
1,2,3,7,8-PeCDD	ND	U	0.111	2.68			1
1,2,3,4,7,8-HxCDD	ND	U	0.104	2.68			1
1,2,3,6,7,8-HxCDD	ND	U	0.0997	2.68			1
1,2,3,7,8,9-HxCDD	0.195	J	0.0970	2.68	1.26	1.008	1
1,2,3,4,6,7,8-HpCDD	0.836	J	0.185	2.68	1.03	1.000	1
OCDD	4.57	BJ	0.344	5.36	0.90	1.000	1
2,3,7,8-TCDF	0.344	CJ	0.140	0.536	0.74	1.002	1
1,2,3,7,8-PeCDF	ND	U	0.0553	2.68			1
2,3,4,7,8-PeCDF	ND	U	0.0598	2.68			1
1,2,3,4,7,8-HxCDF	0.280	J	0.0984	2.68	1.41	1.000	1
1,2,3,6,7,8-HxCDF	0.115	JK	0.0959	2.68	0.82	1.000	1
1,2,3,7,8,9-HxCDF	ND	U	0.128	2.68			1
2,3,4,6,7,8-HxCDF	0.215	J	0.105	2.68	1.17	1.000	1
1,2,3,4,6,7,8-HpCDF	0.555	J	0.103	2.68	0.89	1.000	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.137	2.68			1
OCDF	0.720	JK	0.355	5.36	0.68	1.004	1
Total Tetra-Dioxins	ND	U	0.132	0.536			1
Total Penta-Dioxins	ND	U	0.111	2.68			1
Total Hexa-Dioxins	0.451	J	0.104	2.68	1.08		1
Total Hepta-Dioxins	1.80	J	0.185	2.68	0.92		1
Total Tetra-Furans	0.606		0.140	0.536	0.73		1
Total Penta-Furans	1.59	J	0.0598	2.68	1.49		1
Total Hexa-Furans	1.49	J	0.0984	2.68	1.30		1
Total Hepta-Furans	0.555	J	0.103	2.68	0.89		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-09
Lab Code: E1201354-004

Service Request: E1201354
Date Collected: 10/ 3/12 1125
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 92.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.072g

Data File Name: U231307
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2018
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1199.150	60		40-135	0.79	1.007
13C-1,2,3,7,8-PeCDD	2000	1221.359	61		40-135	1.58	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1183.038	59		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1119.060	56		40-135	1.06	1.069
13C-OCDD	4000	2027.138	51		40-135	0.92	1.151
13C-2,3,7,8-TCDF	2000	1101.852	55		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	2000	1236.250	62		40-135	1.61	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1416.196	71		40-135	0.52	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1112.572	56		40-135	0.46	1.045
37Cl-2,3,7,8-TCDD	800	525.494	66		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-09
Lab Code: E1201354-004

Service Request: E1201354
Date Collected: 10/ 3/12 1125
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.132	0.536	1	1	
1,2,3,7,8-PeCDD	ND	0.111	2.68	1	1	
1,2,3,4,7,8-HxCDD	ND	0.104	2.68	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.0997	2.68	1	0.1	
1,2,3,7,8,9-HxCDD	0.195	0.0970	2.68	1	0.1	0.0195
1,2,3,4,6,7,8-HpCDD	0.836	0.185	2.68	1	0.01	0.00836
OCDD	4.57	0.344	5.36	1	0.0003	0.00137
2,3,7,8-TCDF	ND	0.119	0.536	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0553	2.68	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0598	2.68	1	0.3	
1,2,3,4,7,8-HxCDF	0.280	0.0984	2.68	1	0.1	0.0280
1,2,3,6,7,8-HxCDF	0.115	0.0959	2.68	1	0.1	0.0115
1,2,3,7,8,9-HxCDF	ND	0.128	2.68	1	0.1	
2,3,4,6,7,8-HxCDF	0.215	0.105	2.68	1	0.1	0.0215
1,2,3,4,6,7,8-HpCDF	0.555	0.103	2.68	1	0.01	0.00555
1,2,3,4,7,8,9-HpCDF	ND	0.137	2.68	1	0.01	
OCDF	0.720	0.355	5.36	1	0.0003	0.000216
Total TEQ						0.0960

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-09
Lab Code: E1201354-004

Service Request: E1201354
Date Collected: 10/ 3/12 1125
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 92.7

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.072g
Data File Name: P219956
ICAL Date: 09/14/12

Date Analyzed: 10/15/12 1146
Date Extracted: 10/5/12
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P219953
Cal Ver. File Name: P219952

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	ND	U	0.119	0.536			1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	2000	1212.105	61		40-135	0.79	1.062
37Cl-2,3,7,8-TCDD	800	546.198	68		40-135	NA	0.990

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-10
Lab Code: E1201354-005

Service Request: E1201354
Date Collected: 10/ 3/12 1129
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 89.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.037g
Data File Name: U231308
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2106
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.152	0.558			1
1,2,3,7,8-PeCDD	ND	U	0.145	2.79			1
1,2,3,4,7,8-HxCDD	ND	U	0.160	2.79			1
1,2,3,6,7,8-HxCDD	ND	U	0.163	2.79			1
1,2,3,7,8,9-HxCDD	ND	U	0.154	2.79			1
1,2,3,4,6,7,8-HpCDD	0.570	J	0.179	2.79	1.02	1.000	1
OCDD	2.87	BJ	0.397	5.58	0.99	1.000	1
2,3,7,8-TCDF	ND	U	0.140	0.558			1
1,2,3,7,8-PeCDF	ND	U	0.0843	2.79			1
2,3,4,7,8-PeCDF	ND	U	0.0931	2.79			1
1,2,3,4,7,8-HxCDF	0.160	JK	0.0956	2.79	0.88	1.000	1
1,2,3,6,7,8-HxCDF	0.115	JK	0.0912	2.79	1.44	1.001	1
1,2,3,7,8,9-HxCDF	ND	U	0.127	2.79			1
2,3,4,6,7,8-HxCDF	ND	U	0.105	2.79			1
1,2,3,4,6,7,8-HpCDF	0.405	J	0.0874	2.79	0.99	1.000	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.118	2.79			1
OCDF	0.528	JK	0.326	5.58	0.69	1.004	1
Total Tetra-Dioxins	ND	U	0.152	0.558			1
Total Penta-Dioxins	ND	U	0.145	2.79			1
Total Hexa-Dioxins	ND	U	0.160	2.79			1
Total Hepta-Dioxins	1.10	J	0.179	2.79	0.93		1
Total Tetra-Furans	ND	U	0.140	0.558			1
Total Penta-Furans	0.504	J	0.0931	2.79	1.57		1
Total Hexa-Furans	0.868	J	0.0956	2.79	1.29		1
Total Hepta-Furans	0.405	J	0.0874	2.79	0.99		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-10
Lab Code: E1201354-005

Service Request: E1201354
Date Collected: 10/ 3/12 1129
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 89.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.037g
Data File Name: U231308
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2106
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1044.813	52		40-135	0.80	1.007
13C-1,2,3,7,8-PeCDD	2000	1076.786	54		40-135	1.58	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1061.410	53		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1011.639	51		40-135	1.07	1.069
13C-OCDD	4000	1770.856	44		40-135	0.90	1.151
13C-2,3,7,8-TCDF	2000	973.783	49		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	2000	1088.077	54		40-135	1.58	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1213.253	61		40-135	0.51	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1015.562	51		40-135	0.46	1.045
37Cl-2,3,7,8-TCDD	800	463.883	58		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-10
Lab Code: E1201354-005

Service Request: E1201354
Date Collected: 10/ 3/12 1129
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.152	0.558	1	1	
1,2,3,7,8-PeCDD	ND	0.145	2.79	1	1	
1,2,3,4,7,8-HxCDD	ND	0.160	2.79	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.163	2.79	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.154	2.79	1	0.1	
1,2,3,4,6,7,8-HpCDD	0.570	0.179	2.79	1	0.01	0.00570
OCDD	2.87	0.397	5.58	1	0.0003	0.000861
2,3,7,8-TCDF	ND	0.140	0.558	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0843	2.79	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0931	2.79	1	0.3	
1,2,3,4,7,8-HxCDF	0.160	0.0956	2.79	1	0.1	0.0160
1,2,3,6,7,8-HxCDF	0.115	0.0912	2.79	1	0.1	0.0115
1,2,3,7,8,9-HxCDF	ND	0.127	2.79	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.105	2.79	1	0.1	
1,2,3,4,6,7,8-HpCDF	0.405	0.0874	2.79	1	0.01	0.00405
1,2,3,4,7,8,9-HpCDF	ND	0.118	2.79	1	0.01	
OCDF	0.528	0.326	5.58	1	0.0003	0.000158
Total TEQ						0.0383

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-11
Lab Code: E1201354-006

Service Request: E1201354
Date Collected: 10/ 3/12 1138
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 92.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.349g
Data File Name: U231309
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2154
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.130	0.525			1
1,2,3,7,8-PeCDD	ND	U	0.123	2.62			1
1,2,3,4,7,8-HxCDD	ND	U	0.0914	2.62			1
1,2,3,6,7,8-HxCDD	ND	U	0.0920	2.62			1
1,2,3,7,8,9-HxCDD	ND	U	0.0875	2.62			1
1,2,3,4,6,7,8-HpCDD	0.232	J	0.114	2.62	1.10	1.000	1
OCDD	2.16	BJ	0.234	5.25	0.77	1.000	1
2,3,7,8-TCDF	ND	U	0.129	0.525			1
1,2,3,7,8-PeCDF	ND	U	0.0759	2.62			1
2,3,4,7,8-PeCDF	ND	U	0.0797	2.62			1
1,2,3,4,7,8-HxCDF	ND	U	0.0665	2.62			1
1,2,3,6,7,8-HxCDF	ND	U	0.0639	2.62			1
1,2,3,7,8,9-HxCDF	ND	U	0.0837	2.62			1
2,3,4,6,7,8-HxCDF	ND	U	0.0690	2.62			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.0721	2.62			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.0955	2.62			1
OCDF	ND	U	0.292	5.25			1
Total Tetra-Dioxins	ND	U	0.130	0.525			1
Total Penta-Dioxins	ND	U	0.123	2.62			1
Total Hexa-Dioxins	ND	U	0.0914	2.62			1
Total Hepta-Dioxins	0.232	J	0.114	2.62	1.10		1
Total Tetra-Furans	ND	U	0.129	0.525			1
Total Penta-Furans	ND	U	0.0797	2.62			1
Total Hexa-Furans	ND	U	0.0665	2.62			1
Total Hepta-Furans	ND	U	0.0721	2.62			1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-11
Lab Code: E1201354-006

Service Request: E1201354
Date Collected: 10/ 3/12 1138
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 92.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.349g
Data File Name: U231309
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2154
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1110.843	56		40-135	0.78	1.007
13C-1,2,3,7,8-PeCDD	2000	1207.663	60		40-135	1.60	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1133.139	57		40-135	1.30	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1170.997	59		40-135	1.06	1.069
13C-OCDD	4000	2261.325	57		40-135	0.91	1.151
13C-2,3,7,8-TCDF	2000	1003.340	50		40-135	0.81	0.979
13C-1,2,3,7,8-PeCDF	2000	1203.935	60		40-135	1.60	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1322.855	66		40-135	0.54	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1157.535	58		40-135	0.46	1.045
37Cl-2,3,7,8-TCDD	800	487.919	61		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-11
Lab Code: E1201354-006

Service Request: E1201354
Date Collected: 10/ 3/12 1138
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.130	0.525	1	1	
1,2,3,7,8-PeCDD	ND	0.123	2.62	1	1	
1,2,3,4,7,8-HxCDD	ND	0.0914	2.62	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.0920	2.62	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.0875	2.62	1	0.1	
1,2,3,4,6,7,8-HpCDD	0.232	0.114	2.62	1	0.01	0.00232
OCDD	2.16	0.234	5.25	1	0.0003	0.000648
2,3,7,8-TCDF	ND	0.129	0.525	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0759	2.62	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0797	2.62	1	0.3	
1,2,3,4,7,8-HxCDF	ND	0.0665	2.62	1	0.1	
1,2,3,6,7,8-HxCDF	ND	0.0639	2.62	1	0.1	
1,2,3,7,8,9-HxCDF	ND	0.0837	2.62	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.0690	2.62	1	0.1	
1,2,3,4,6,7,8-HpCDF	ND	0.0721	2.62	1	0.01	
1,2,3,4,7,8,9-HpCDF	ND	0.0955	2.62	1	0.01	
OCDF	ND	0.292	5.25	1	0.0003	

Total TEQ

0.00297

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-12
Lab Code: E1201354-007

Service Request: E1201354
Date Collected: 10/ 3/12 1142
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.046g
Data File Name: U231310
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2242
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.150	0.545			1
1,2,3,7,8-PeCDD	ND	U	0.128	2.73			1
1,2,3,4,7,8-HxCDD	ND	U	0.126	2.73			1
1,2,3,6,7,8-HxCDD	ND	U	0.125	2.73			1
1,2,3,7,8,9-HxCDD	ND	U	0.120	2.73			1
1,2,3,4,6,7,8-HpCDD	ND	U	0.181	2.73			1
OCDD	1.25	BJ	0.403	5.45	0.92	1.000	1
2,3,7,8-TCDF	ND	U	0.144	0.545			1
1,2,3,7,8-PeCDF	ND	U	0.0726	2.73			1
2,3,4,7,8-PeCDF	ND	U	0.0800	2.73			1
1,2,3,4,7,8-HxCDF	ND	U	0.0731	2.73			1
1,2,3,6,7,8-HxCDF	ND	U	0.0704	2.73			1
1,2,3,7,8,9-HxCDF	ND	U	0.0909	2.73			1
2,3,4,6,7,8-HxCDF	ND	U	0.0763	2.73			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.107	2.73			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.146	2.73			1
OCDF	ND	U	0.405	5.45			1
Total Tetra-Dioxins	ND	U	0.150	0.545			1
Total Penta-Dioxins	ND	U	0.128	2.73			1
Total Hexa-Dioxins	ND	U	0.126	2.73			1
Total Hepta-Dioxins	ND	U	0.181	2.73			1
Total Tetra-Furans	ND	U	0.144	0.545			1
Total Penta-Furans	ND	U	0.0800	2.73			1
Total Hexa-Furans	ND	U	0.0731	2.73			1
Total Hepta-Furans	ND	U	0.107	2.73			1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-12
Lab Code: E1201354-007

Service Request: E1201354
Date Collected: 10/ 3/12 1142
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.046g
Data File Name: U231310
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2242
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1054.142	53		40-135	0.79	1.007
13C-1,2,3,7,8-PeCDD	2000	1036.573	52		40-135	1.59	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1088.627	54		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1022.546	51		40-135	1.08	1.069
13C-OCDD	4000	1763.395	44		40-135	0.91	1.151
13C-2,3,7,8-TCDF	2000	959.183	48		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	2000	1065.127	53		40-135	1.61	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1244.401	62		40-135	0.52	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1010.174	51		40-135	0.45	1.045
37Cl-2,3,7,8-TCDD	800	464.313	58		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-12
Lab Code: E1201354-007

Service Request: E1201354
Date Collected: 10/ 3/12 1142
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.150	0.545	1	1	
1,2,3,7,8-PeCDD	ND	0.128	2.73	1	1	
1,2,3,4,7,8-HxCDD	ND	0.126	2.73	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.125	2.73	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.120	2.73	1	0.1	
1,2,3,4,6,7,8-HpCDD	ND	0.181	2.73	1	0.01	
OCDD	1.25	0.403	5.45	1	0.0003	0.000375
2,3,7,8-TCDF	ND	0.144	0.545	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0726	2.73	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0800	2.73	1	0.3	
1,2,3,4,7,8-HxCDF	ND	0.0731	2.73	1	0.1	
1,2,3,6,7,8-HxCDF	ND	0.0704	2.73	1	0.1	
1,2,3,7,8,9-HxCDF	ND	0.0909	2.73	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.0763	2.73	1	0.1	
1,2,3,4,6,7,8-HpCDF	ND	0.107	2.73	1	0.01	
1,2,3,4,7,8,9-HpCDF	ND	0.146	2.73	1	0.01	
OCDF	ND	0.405	5.45	1	0.0003	
Total TEQ						0.000375

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-13
Lab Code: E1201354-008

Service Request: E1201354
Date Collected: 10/ 3/12 1146
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 85.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.024g
Data File Name: U231311
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2330
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.186	0.586			1
1,2,3,7,8-PeCDD	ND	U	0.142	2.93			1
1,2,3,4,7,8-HxCDD	ND	U	0.151	2.93			1
1,2,3,6,7,8-HxCDD	ND	U	0.162	2.93			1
1,2,3,7,8,9-HxCDD	ND	U	0.149	2.93			1
1,2,3,4,6,7,8-HpCDD	ND	U	0.192	2.93			1
OCDD	1.68	BJ	0.317	5.86	0.83	1.000	1
2,3,7,8-TCDF	ND	U	0.159	0.586			1
1,2,3,7,8-PeCDF	ND	U	0.0836	2.93			1
2,3,4,7,8-PeCDF	ND	U	0.0937	2.93			1
1,2,3,4,7,8-HxCDF	ND	U	0.111	2.93			1
1,2,3,6,7,8-HxCDF	ND	U	0.109	2.93			1
1,2,3,7,8,9-HxCDF	ND	U	0.149	2.93			1
2,3,4,6,7,8-HxCDF	ND	U	0.121	2.93			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.0938	2.93			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.129	2.93			1
OCDF	ND	U	0.322	5.86			1
Total Tetra-Dioxins	ND	U	0.186	0.586			1
Total Penta-Dioxins	ND	U	0.142	2.93			1
Total Hexa-Dioxins	ND	U	0.151	2.93			1
Total Hepta-Dioxins	ND	U	0.192	2.93			1
Total Tetra-Furans	ND	U	0.159	0.586			1
Total Penta-Furans	ND	U	0.0937	2.93			1
Total Hexa-Furans	ND	U	0.111	2.93			1
Total Hepta-Furans	ND	U	0.0938	2.93			1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-13
Lab Code: E1201354-008

Service Request: E1201354
Date Collected: 10/ 3/12 1146
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 85.1

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.024g
Data File Name: U231311
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 2330
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1086.362	54		40-135	0.78	1.007
13C-1,2,3,7,8-PeCDD	2000	1100.619	55		40-135	1.57	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1156.331	58		40-135	1.26	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1043.978	52		40-135	1.04	1.068
13C-OCDD	4000	1871.098	47		40-135	0.90	1.151
13C-2,3,7,8-TCDF	2000	978.293	49		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	2000	1113.169	56		40-135	1.60	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1259.479	63		40-135	0.52	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1052.816	53		40-135	0.46	1.045
37Cl-2,3,7,8-TCDD	800	481.108	60		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-13
Lab Code: E1201354-008

Service Request: E1201354
Date Collected: 10/ 3/12 1146
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.186	0.586	1	1	
1,2,3,7,8-PeCDD	ND	0.142	2.93	1	1	
1,2,3,4,7,8-HxCDD	ND	0.151	2.93	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.162	2.93	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.149	2.93	1	0.1	
1,2,3,4,6,7,8-HpCDD	ND	0.192	2.93	1	0.01	
OCDD	1.68	0.317	5.86	1	0.0003	0.000504
2,3,7,8-TCDF	ND	0.159	0.586	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0836	2.93	1	0.03	
2,3,4,7,8-PeCDF	ND	0.0937	2.93	1	0.3	
1,2,3,4,7,8-HxCDF	ND	0.111	2.93	1	0.1	
1,2,3,6,7,8-HxCDF	ND	0.109	2.93	1	0.1	
1,2,3,7,8,9-HxCDF	ND	0.149	2.93	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.121	2.93	1	0.1	
1,2,3,4,6,7,8-HpCDF	ND	0.0938	2.93	1	0.01	
1,2,3,4,7,8,9-HpCDF	ND	0.129	2.93	1	0.01	
OCDF	ND	0.322	5.86	1	0.0003	
Total TEQ						0.000504

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-14
Lab Code: E1201354-009

Service Request: E1201354
Date Collected: 10/ 3/12 1151
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.114g
Data File Name: U231312
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 0017
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.124	0.541			1
1,2,3,7,8-PeCDD	ND	U	0.138	2.71			1
1,2,3,4,7,8-HxCDD	ND	U	0.181	2.71			1
1,2,3,6,7,8-HxCDD	ND	U	0.177	2.71			1
1,2,3,7,8,9-HxCDD	ND	U	0.171	2.71			1
1,2,3,4,6,7,8-HpCDD	30.8		0.255	2.71	1.10	1.000	1
OCDD	694	B	0.316	5.41	0.91	1.000	1
2,3,7,8-TCDF	ND	U	0.101	0.541			1
1,2,3,7,8-PeCDF	ND	U	0.0932	2.71			1
2,3,4,7,8-PeCDF	ND	U	0.104	2.71			1
1,2,3,4,7,8-HxCDF	0.156	JK	0.0990	2.71	0.92	1.000	1
1,2,3,6,7,8-HxCDF	ND	U	0.0955	2.71			1
1,2,3,7,8,9-HxCDF	ND	U	0.129	2.71			1
2,3,4,6,7,8-HxCDF	ND	U	0.103	2.71			1
1,2,3,4,6,7,8-HpCDF	2.01	J	0.117	2.71	1.20	1.000	1
1,2,3,4,7,8,9-HpCDF	0.341	J	0.156	2.71	1.11	1.001	1
OCDF	28.8		0.253	5.41	0.87	1.004	1
Total Tetra-Dioxins	ND	U	0.124	0.541			1
Total Penta-Dioxins	ND	U	0.138	2.71			1
Total Hexa-Dioxins	ND	U	0.181	2.71			1
Total Hepta-Dioxins	47.9		0.255	2.71	0.99		1
Total Tetra-Furans	ND	U	0.101	0.541			1
Total Penta-Furans	ND	U	0.104	2.71			1
Total Hexa-Furans	0.444	J	0.0990	2.71	1.14		1
Total Hepta-Furans	10.3		0.117	2.71	1.06		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-14
Lab Code: E1201354-009

Service Request: E1201354
Date Collected: 10/ 3/12 1151
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.114g
Data File Name: U231312
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 0017
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1166.765	58		40-135	0.80	1.007
13C-1,2,3,7,8-PeCDD	2000	1145.891	57		40-135	1.57	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1207.920	60		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1108.206	55		40-135	1.10	1.068
13C-OCDD	4000	1930.010	48		40-135	0.91	1.151
13C-2,3,7,8-TCDF	2000	1080.941	54		40-135	0.79	0.979
13C-1,2,3,7,8-PeCDF	2000	1188.030	59		40-135	1.59	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1365.234	68		40-135	0.53	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1068.408	53		40-135	0.46	1.044
37Cl-2,3,7,8-TCDD	800	508.546	64		40-135	NA	1.007

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-14
Lab Code: E1201354-009

Service Request: E1201354
Date Collected: 10/ 3/12 1151
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	ND	0.124	0.541	1	1	
1,2,3,7,8-PeCDD	ND	0.138	2.71	1	1	
1,2,3,4,7,8-HxCDD	ND	0.181	2.71	1	0.1	
1,2,3,6,7,8-HxCDD	ND	0.177	2.71	1	0.1	
1,2,3,7,8,9-HxCDD	ND	0.171	2.71	1	0.1	
1,2,3,4,6,7,8-HpCDD	30.8	0.255	2.71	1	0.01	0.308
OCDD	694	0.316	5.41	1	0.0003	0.208
2,3,7,8-TCDF	ND	0.101	0.541	1	0.1	
1,2,3,7,8-PeCDF	ND	0.0932	2.71	1	0.03	
2,3,4,7,8-PeCDF	ND	0.104	2.71	1	0.3	
1,2,3,4,7,8-HxCDF	0.156	0.0990	2.71	1	0.1	0.0156
1,2,3,6,7,8-HxCDF	ND	0.0955	2.71	1	0.1	
1,2,3,7,8,9-HxCDF	ND	0.129	2.71	1	0.1	
2,3,4,6,7,8-HxCDF	ND	0.103	2.71	1	0.1	
1,2,3,4,6,7,8-HpCDF	2.01	0.117	2.71	1	0.01	0.0201
1,2,3,4,7,8,9-HpCDF	0.341	0.156	2.71	1	0.01	0.00341
OCDF	28.8	0.253	5.41	1	0.0003	0.00864
Total TEQ						0.564

2005 WHO TEFs, ND = 0

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-15
Lab Code: E1201354-010

Service Request: E1201354
Date Collected: 10/ 3/12 1155
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 89.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.157g
Data File Name: U231347
ICAL Date: 08/06/12

Date Analyzed: 10/15/12 1451
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231339

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	0.203	J	0.0673	0.550	0.74	1.001	1
1,2,3,7,8-PeCDD	0.243	JK	0.0868	2.75	1.26	1.000	1
1,2,3,4,7,8-HxCDD	0.221	J	0.0778	2.75	1.14	1.000	1
1,2,3,6,7,8-HxCDD	0.458	J	0.0791	2.75	1.25	1.000	1
1,2,3,7,8,9-HxCDD	0.536	J	0.0747	2.75	1.33	1.008	1
1,2,3,4,6,7,8-HpCDD	4.02		0.124	2.75	1.05	1.000	1
OCDD	23.4	B	0.190	5.50	0.92	1.000	1
2,3,7,8-TCDF	1.97	C	0.0628	0.550	0.80	1.001	1
1,2,3,7,8-PeCDF	0.536	J	0.0782	2.75	1.67	1.000	1
2,3,4,7,8-PeCDF	1.26	J	0.0937	2.75	1.58	1.000	1
1,2,3,4,7,8-HxCDF	2.09	J	0.0620	2.75	1.33	1.000	1
1,2,3,6,7,8-HxCDF	1.15	J	0.0613	2.75	1.26	1.000	1
1,2,3,7,8,9-HxCDF	ND	U	0.0802	2.75			1
2,3,4,6,7,8-HxCDF	2.27	J	0.0670	2.75	1.19	1.000	1
1,2,3,4,6,7,8-HpCDF	4.14		0.0741	2.75	1.10	1.000	1
1,2,3,4,7,8,9-HpCDF	0.439	J	0.0942	2.75	1.13	1.000	1
OCDF	5.11	J	0.142	5.50	0.88	1.004	1
Total Tetra-Dioxins	1.62		0.0673	0.550	0.87		1
Total Penta-Dioxins	2.77		0.0868	2.75	1.51		1
Total Hexa-Dioxins	3.24		0.0778	2.75	1.08		1
Total Hepta-Dioxins	8.23		0.124	2.75	0.98		1
Total Tetra-Furans	17.6		0.0628	0.550	0.85		1
Total Penta-Furans	37.3		0.0937	2.75	1.62		1
Total Hexa-Furans	25.9		0.0620	2.75	1.24		1
Total Hepta-Furans	7.13		0.0741	2.75	1.10		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-15
Lab Code: E1201354-010

Service Request: E1201354
Date Collected: 10/ 3/12 1155
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 89.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.157g

Data File Name: U231347
ICAL Date: 08/06/12

Date Analyzed: 10/15/12 1451
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231339

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1300.364	65		40-135	0.78	1.007
13C-1,2,3,7,8-PeCDD	2000	1428.393	71		40-135	1.57	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1343.698	67		40-135	1.27	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1350.773	68		40-135	1.08	1.069
13C-OCDD	4000	2685.138	67		40-135	0.90	1.151
13C-2,3,7,8-TCDF	2000	1157.723	58		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	2000	1438.890	72		40-135	1.59	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1390.515	70		40-135	0.53	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1277.542	64		40-135	0.47	1.045
37Cl-2,3,7,8-TCDD	800	571.979	71		40-135	NA	1.007

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-15
Lab Code: E1201354-010

Service Request: E1201354
Date Collected: 10/ 3/12 1155
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	0.203	0.0673	0.550	1	1	0.203
1,2,3,7,8-PeCDD	0.243	0.0868	2.75	1	1	0.243
1,2,3,4,7,8-HxCDD	0.221	0.0778	2.75	1	0.1	0.0221
1,2,3,6,7,8-HxCDD	0.458	0.0791	2.75	1	0.1	0.0458
1,2,3,7,8,9-HxCDD	0.536	0.0747	2.75	1	0.1	0.0536
1,2,3,4,6,7,8-HpCDD	4.02	0.124	2.75	1	0.01	0.0402
OCDD	23.4	0.190	5.50	1	0.0003	0.00702
2,3,7,8-TCDF	0.697	0.159	0.550	1	0.1	0.0697
1,2,3,7,8-PeCDF	0.536	0.0782	2.75	1	0.03	0.0161
2,3,4,7,8-PeCDF	1.26	0.0937	2.75	1	0.3	0.378
1,2,3,4,7,8-HxCDF	2.09	0.0620	2.75	1	0.1	0.209
1,2,3,6,7,8-HxCDF	1.15	0.0613	2.75	1	0.1	0.115
1,2,3,7,8,9-HxCDF	ND	0.0802	2.75	1	0.1	
2,3,4,6,7,8-HxCDF	2.27	0.0670	2.75	1	0.1	0.227
1,2,3,4,6,7,8-HpCDF	4.14	0.0741	2.75	1	0.01	0.0414
1,2,3,4,7,8,9-HpCDF	0.439	0.0942	2.75	1	0.01	0.00439
OCDF	5.11	0.142	5.50	1	0.0003	0.00153

Total TEQ 1.68

2005 WHO TEFs, ND = 0

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-15
Lab Code: E1201354-010

Service Request: E1201354
Date Collected: 10/ 3/12 1155
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 89.5

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.157g
Data File Name: P219957
ICAL Date: 09/14/12

Date Analyzed: 10/15/12 1231
Date Extracted: 10/5/12
Instrument Name: E-HRMS-04
GC Column: DB-225
Blank File Name: P219953
Cal Ver. File Name: P219952

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDF	0.697		0.159	0.550	0.72	1.001	1

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDF	2000	1128.133	56		40-135	0.78	1.062
37Cl-2,3,7,8-TCDD	800	555.230	69		40-135	NA	0.989

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ1200576-01

Service Request: E1201354
Date Collected: NA
Date Received: NA
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.083g
Data File Name: U231303
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1708
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	0.140	0.496			1
1,2,3,7,8-PeCDD	ND	U	0.137	2.48			1
1,2,3,4,7,8-HxCDD	ND	U	0.118	2.48			1
1,2,3,6,7,8-HxCDD	ND	U	0.121	2.48			1
1,2,3,7,8,9-HxCDD	ND	U	0.114	2.48			1
1,2,3,4,6,7,8-HpCDD	ND	U	0.176	2.48			1
OCDD	0.800	J	0.245	4.96	0.92	1.001	1
2,3,7,8-TCDF	ND	U	0.125	0.496			1
1,2,3,7,8-PeCDF	ND	U	0.0597	2.48			1
2,3,4,7,8-PeCDF	ND	U	0.0636	2.48			1
1,2,3,4,7,8-HxCDF	ND	U	0.0723	2.48			1
1,2,3,6,7,8-HxCDF	ND	U	0.0685	2.48			1
1,2,3,7,8,9-HxCDF	ND	U	0.0889	2.48			1
2,3,4,6,7,8-HxCDF	ND	U	0.0880	2.48			1
1,2,3,4,6,7,8-HpCDF	ND	U	0.0775	2.48			1
1,2,3,4,7,8,9-HpCDF	ND	U	0.0991	2.48			1
OCDF	ND	U	0.231	4.96			1
Total Tetra-Dioxins	ND	U	0.140	0.496			1
Total Penta-Dioxins	ND	U	0.137	2.48			1
Total Hexa-Dioxins	ND	U	0.118	2.48			1
Total Hepta-Dioxins	ND	U	0.176	2.48			1
Total Tetra-Furans	ND	U	0.125	0.496			1
Total Penta-Furans	ND	U	0.0636	2.48			1
Total Hexa-Furans	ND	U	0.0723	2.48			1
Total Hepta-Furans	ND	U	0.0775	2.48			1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: Method Blank
Lab Code: EQ1200576-01

Service Request: E1201354
Date Collected: NA
Date Received: NA
Units: Percent
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.083g
Data File Name: U231303
ICAL Date: 08/06/12

Date Analyzed: 10/12/12 1708
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231301

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1172.748	59		40-135	0.79	1.007
13C-1,2,3,7,8-PeCDD	2000	1308.600	65		40-135	1.56	1.162
13C-1,2,3,6,7,8-HxCDD	2000	1181.576	59		40-135	1.25	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1224.599	61		40-135	1.08	1.069
13C-OCDD	4000	2363.563	59		40-135	0.91	1.151
13C-2,3,7,8-TCDF	2000	1080.076	54		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	2000	1308.399	65		40-135	1.64	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1396.787	70		40-135	0.54	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1202.336	60		40-135	0.45	1.045
37Cl-2,3,7,8-TCDD	800	519.575	65		40-135	NA	1.007



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QA/QC Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil

Service Request: E1201354
Date Analyzed: 10/13/12

Lab Control Sample Summary
Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method

Units: ng/Kg
Basis: Dry

Extraction Lot: 168609

Lab Control Sample
EQ1200576-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
2,3,7,8-TCDD	21.4	19.5	110	67 - 158
1,2,3,7,8-PeCDD	112	97.4	114	70 - 142
1,2,3,4,7,8-HxCDD	110	97.4	113	70 - 164
1,2,3,6,7,8-HxCDD	108	97.4	110	76 - 134
1,2,3,7,8,9-HxCDD	103	97.4	106	64 - 162
1,2,3,4,6,7,8-HpCDD	104	97.4	107	70 - 140
OCDD	186	195	95	78 - 144
2,3,7,8-TCDF	22.3	19.5	115	75 - 158
1,2,3,7,8-PeCDF	106	97.4	109	80 - 134
2,3,4,7,8-PeCDF	113	97.4	116	68 - 160
1,2,3,4,7,8-HxCDF	110	97.4	113	72 - 134
1,2,3,6,7,8-HxCDF	109	97.4	112	84 - 130
1,2,3,7,8,9-HxCDF	105	97.4	108	78 - 130
2,3,4,6,7,8-HxCDF	108	97.4	111	70 - 156
1,2,3,4,6,7,8-HpCDF	104	97.4	106	82 - 122
1,2,3,4,7,8,9-HpCDF	95.4	97.4	98	78 - 138
OCDF	211	195	108	63 - 170

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: Lab Control Sample
Lab Code: EQ1200576-02

Service Request: E1201354
Date Collected: NA
Date Received: NA
Units: ng/Kg
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.266g
Data File Name: U231321
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 1145
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231314

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	21.4		0.171	0.487	0.80	1.001	1
1,2,3,7,8-PeCDD	112		0.193	2.44	1.57	1.000	1
1,2,3,4,7,8-HxCDD	110		0.564	2.44	1.25	1.000	1
1,2,3,6,7,8-HxCDD	108		0.560	2.44	1.30	1.000	1
1,2,3,7,8,9-HxCDD	103		0.535	2.44	1.28	1.008	1
1,2,3,4,6,7,8-HpCDD	104		0.531	2.44	1.05	1.000	1
OCDD	186		0.331	4.87	0.92	1.000	1
2,3,7,8-TCDF	22.3		0.161	0.487	0.80	1.001	1
1,2,3,7,8-PeCDF	106		0.205	2.44	1.59	1.000	1
2,3,4,7,8-PeCDF	113		0.228	2.44	1.57	1.000	1
1,2,3,4,7,8-HxCDF	110		0.743	2.44	1.24	1.000	1
1,2,3,6,7,8-HxCDF	109		0.723	2.44	1.27	1.000	1
1,2,3,7,8,9-HxCDF	105		0.936	2.44	1.26	1.000	1
2,3,4,6,7,8-HxCDF	108		0.810	2.44	1.24	1.000	1
1,2,3,4,6,7,8-HpCDF	104		1.25	2.44	1.04	1.000	1
1,2,3,4,7,8,9-HpCDF	95.4		1.62	2.44	1.05	1.000	1
OCDF	211		0.393	4.87	0.92	1.004	1
Total Tetra-Dioxins	21.4		0.171	0.487	0.80		1
Total Penta-Dioxins	112		0.193	2.44	1.57		1
Total Hexa-Dioxins	321		0.564	2.44	1.25		1
Total Hepta-Dioxins	104		0.531	2.44	1.05		1
Total Tetra-Furans	22.7		0.161	0.487	0.80		1
Total Penta-Furans	221		0.228	2.44	1.45		1
Total Hexa-Furans	480		0.743	2.44	1.26		1
Total Hepta-Furans	199		1.25	2.44	1.04		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: Lab Control Sample
Lab Code: EQ1200576-02

Service Request: E1201354
Date Collected: NA
Date Received: NA
Units: Percent
Basis: Dry

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.266g
Data File Name: U231321
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 1145
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231314

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1026.270	51		40-135	0.80	1.007
13C-1,2,3,7,8-PeCDD	2000	1131.700	57		40-135	1.57	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1107.382	55		40-135	1.31	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1207.914	60		40-135	1.06	1.069
13C-OCDD	4000	2539.908	63		40-135	0.92	1.151
13C-2,3,7,8-TCDF	2000	936.575	47		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	2000	1157.852	58		40-135	1.60	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1192.583	60		40-135	0.54	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1160.324	58		40-135	0.47	1.044
37Cl-2,3,7,8-TCDD	800	468.655	59		40-135	NA	1.008

COLUMBIA ANALYTICAL SERVICES, INC.

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QA/QC Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil

Service Request: E1201354
Date Collected: 10/3/12
Date Received: 10/5/12
Date Analyzed: 10/13/12

Matrix Spike Summary
Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Sample Name: 1210126-12
Lab Code: E1201354-007

Units: ng/Kg
Basis: Dry

Analytical Method: 8290
Prep Method: Method

Analyte Name	1210126-12MS Matrix Spike EQ1200576-03				1210126-12DMS Duplicate Matrix Spike EQ1200576-04				% Rec Limits	RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec				
2,3,7,8-TCDD	ND	24.1	21.8	111	24.0	21.8	110	67 - 158	<1	50	
1,2,3,7,8-PeCDD	ND	126	109	116	128	109	117	70 - 142	<1	50	
1,2,3,4,7,8-HxCDD	ND	125	109	115	125	109	114	70 - 164	<1	50	
1,2,3,6,7,8-HxCDD	ND	124	109	114	122	109	111	76 - 134	3	50	
1,2,3,7,8,9-HxCDD	ND	119	109	109	118	109	108	64 - 162	<1	50	
1,2,3,4,6,7,8-HpCDD	ND	116	109	106	115	109	106	70 - 140	<1	50	
OCDD	1.25	200	218	91	204	218	93	78 - 144	2	50	
2,3,7,8-TCDF	ND	24.8	21.8	114	24.7	21.8	113	75 - 158	<1	50	
1,2,3,7,8-PeCDF	ND	117	109	108	117	109	107	80 - 134	<1	50	
2,3,4,7,8-PeCDF	ND	125	109	115	127	109	117	68 - 160	2	50	
1,2,3,4,7,8-HxCDF	ND	123	109	113	125	109	115	72 - 134	2	50	
1,2,3,6,7,8-HxCDF	ND	122	109	112	123	109	113	84 - 130	<1	50	
1,2,3,7,8,9-HxCDF	ND	119	109	109	122	109	112	78 - 130	3	50	
2,3,4,6,7,8-HxCDF	ND	122	109	112	121	109	111	70 - 156	<1	50	
1,2,3,4,6,7,8-HpCDF	ND	112	109	103	112	109	103	82 - 122	<1	50	
1,2,3,4,7,8,9-HpCDF	ND	109	109	101	112	109	103	78 - 138	2	50	
OCDF	ND	223	218	102	234	218	107	63 - 170	5	50	

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-12
Lab Code: EQ1200576-03
Run Type: Matrix Spike

Service Request: E1201354
Date Collected: 10/ 3/12 1142
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.056g
Data File Name: U231329
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 1853
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231324

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	24.1		0.113	0.545	0.80	1.001	1
1,2,3,7,8-PeCDD	126		0.125	2.72	1.61	1.001	1
1,2,3,4,7,8-HxCDD	125		0.117	2.72	1.26	1.000	1
1,2,3,6,7,8-HxCDD	124		0.115	2.72	1.27	1.000	1
1,2,3,7,8,9-HxCDD	119		0.111	2.72	1.28	1.008	1
1,2,3,4,6,7,8-HpCDD	116		0.185	2.72	1.04	1.000	1
OCDD	200		0.231	5.45	0.89	1.000	1
2,3,7,8-TCDF	24.8		0.107	0.545	0.81	1.001	1
1,2,3,7,8-PeCDF	117		0.0820	2.72	1.59	1.001	1
2,3,4,7,8-PeCDF	125		0.0893	2.72	1.56	1.000	1
1,2,3,4,7,8-HxCDF	123		0.0670	2.72	1.25	1.000	1
1,2,3,6,7,8-HxCDF	122		0.0645	2.72	1.29	1.000	1
1,2,3,7,8,9-HxCDF	119		0.0784	2.72	1.25	1.000	1
2,3,4,6,7,8-HxCDF	122		0.0707	2.72	1.26	1.000	1
1,2,3,4,6,7,8-HpCDF	112		0.148	2.72	1.07	1.000	1
1,2,3,4,7,8,9-HpCDF	109		0.183	2.72	1.05	1.000	1
OCDF	223		0.204	5.45	0.90	1.004	1
Total Tetra-Dioxins	24.1		0.113	0.545	0.80		1
Total Penta-Dioxins	126		0.125	2.72	1.61		1
Total Hexa-Dioxins	368		0.117	2.72	1.26		1
Total Hepta-Dioxins	116		0.185	2.72	1.04		1
Total Tetra-Furans	24.8		0.107	0.545	0.81		1
Total Penta-Furans	247		0.0893	2.72	1.53		1
Total Hexa-Furans	487		0.0670	2.72	1.25		1
Total Hepta-Furans	222		0.148	2.72	1.07		1

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-12
Lab Code: EQ1200576-03
Run Type: Matrix Spike

Service Request: E1201354
Date Collected: 10/ 3/12 1142
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.056g
Data File Name: U231329
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 1853
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231324

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1153.153	58		40-135	0.77	1.007
13C-1,2,3,7,8-PeCDD	2000	1298.757	65		40-135	1.58	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1085.635	54		40-135	1.27	0.992
13C-1,2,3,4,6,7,8-HpCDD	2000	1232.742	62		40-135	1.06	1.069
13C-OCDD	4000	2627.072	66		40-135	0.90	1.151
13C-2,3,7,8-TCDF	2000	1042.924	52		40-135	0.81	0.979
13C-1,2,3,7,8-PeCDF	2000	1293.662	65		40-135	1.61	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1235.439	62		40-135	0.54	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1135.747	57		40-135	0.47	1.045
37Cl-2,3,7,8-TCDD	800	523.870	65		40-135	NA	1.007

COLUMBIA ANALYTICAL SERVICES, INC.

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-12
Lab Code: EQ1200576-04
Run Type: Duplicate Matrix Spike

Service Request: E1201354
Date Collected: 10/ 3/12 1142
Date Received: 10/ 5/12
Units: ng/Kg
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.027g
Data File Name: U231330
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 1941
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231324

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	24.0		0.107	0.546	0.75	1.001	1
1,2,3,7,8-PeCDD	128		0.106	2.73	1.57	1.000	1
1,2,3,4,7,8-HxCDD	125		0.194	2.73	1.27	1.000	1
1,2,3,6,7,8-HxCDD	122		0.195	2.73	1.29	1.000	1
1,2,3,7,8,9-HxCDD	118		0.185	2.73	1.25	1.008	1
1,2,3,4,6,7,8-HpCDD	115		0.266	2.73	1.05	1.000	1
OCDD	204		0.221	5.46	0.90	1.000	1
2,3,7,8-TCDF	24.7		0.122	0.546	0.79	1.001	1
1,2,3,7,8-PeCDF	117		0.0624	2.73	1.59	1.001	1
2,3,4,7,8-PeCDF	127		0.0682	2.73	1.58	1.000	1
1,2,3,4,7,8-HxCDF	125		0.0985	2.73	1.27	1.000	1
1,2,3,6,7,8-HxCDF	123		0.0970	2.73	1.26	1.000	1
1,2,3,7,8,9-HxCDF	122		0.117	2.73	1.30	1.000	1
2,3,4,6,7,8-HxCDF	121		0.103	2.73	1.21	1.000	1
1,2,3,4,6,7,8-HpCDF	112		0.214	2.73	1.08	1.000	1
1,2,3,4,7,8,9-HpCDF	112		0.251	2.73	1.03	1.000	1
OCDF	234		0.172	5.46	0.92	1.004	1
Total Tetra-Dioxins	24.0		0.107	0.546	0.75		1
Total Penta-Dioxins	128		0.106	2.73	1.57		1
Total Hexa-Dioxins	364		0.194	2.73	1.27		1
Total Hepta-Dioxins	116		0.266	2.73	1.08		1
Total Tetra-Furans	25.0		0.122	0.546	0.71		1
Total Penta-Furans	248		0.0682	2.73	1.44		1
Total Hexa-Furans	492		0.0985	2.73	1.27		1
Total Hepta-Furans	225		0.214	2.73	1.08		1

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Analytical Report

Client: ESS Laboratories
Project: 1210126
Sample Matrix: Soil
Sample Name: 1210126-12
Lab Code: EQ1200576-04
Run Type: Duplicate Matrix Spike

Service Request: E1201354
Date Collected: 10/ 3/12 1142
Date Received: 10/ 5/12
Units: Percent
Basis: Dry
Percent Solids: 91.3

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analytical Method: 8290
Prep Method: Method
Sample Amount: 10.027g
Data File Name: U231330
ICAL Date: 08/06/12

Date Analyzed: 10/13/12 1941
Date Extracted: 10/5/12
Instrument Name: E-HRMS-02
GC Column: DB-5
Blank File Name: U231303
Cal Ver. File Name: U231324

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	%Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1167.233	58		40-135	0.80	1.007
13C-1,2,3,7,8-PeCDD	2000	1375.170	69		40-135	1.56	1.163
13C-1,2,3,6,7,8-HxCDD	2000	1119.030	56		40-135	1.28	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1157.005	58		40-135	1.08	1.069
13C-OCDD	4000	2380.774	60		40-135	0.91	1.151
13C-2,3,7,8-TCDF	2000	1012.888	51		40-135	0.80	0.979
13C-1,2,3,7,8-PeCDF	2000	1330.891	67		40-135	1.60	1.126
13C-1,2,3,4,7,8-HxCDF	2000	1141.547	57		40-135	0.54	0.972
13C-1,2,3,4,6,7,8-HpCDF	2000	1048.192	52		40-135	0.45	1.045
37Cl-2,3,7,8-TCDD	800	521.470	65		40-135	NA	1.008



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 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

Turn Time Standard Other
 If faster than 5 days, prior approval by laboratory is required #
 State where samples were collected from:
 MA RI CT NH NJ NY ME Other
 Is this project for any of the following:
 MA-MCP USACE Other

Reporting Limits ESS LAB PROJECT ID
 Electronic Deliverable Yes No
 Format: Excel Access PDF Other

Co. Name ESS Lab Project # Project Name (20 Char. or less) Write Required Analysis
 Contact Person Liz Ouk Address City State Zip PO# 1210120
 Telephone # Fax # Email Address liz.ouk@thielisch.com
 ESS LAB Sample # 101312 Date 1115 Collection Time COMP GRAB MATRIX Sample Identification (20 Char. or less) 1210120-06 Pres Code 11G Type of Containers Dioxin (TFA 829)

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Type of Containers
						1210120-07	11G	X
						1210120-08	11G	X
						1210120-09	11G	X
						1210120-10	11G	X
						1210120-11	11G	X
						1210120-12	11G	X
						1210120-13	11G	X
						1210120-14	11G	X
						1210120-15	11G	X

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters
 Cooler Present Yes No Internal Use Only
 Seals Intact Yes No NA: Pickup
 Cooler Temp: 23 012 012 012 012
 Relinquished by: (Signature) Date/Time 10/19/12 Received by: (Signature) Date/Time
 Relinquished by: (Signature) Date/Time Received by: (Signature) Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADDP CAM VII A
 Please fax all changes to Chain of Custody in writing.
 1 (White) Lab Copy 2 (Yellow) Client Receipt
 10/28/04 A

Cooler Receipt Form

Project Chemist

Client/Project

Service Request

Date/Time Received:

Date/Time Logged in:

Technician

Technician

1. Method of delivery: US Mail Fed Ex UPS DHL Courier Client

2. Samples received in: Cooler Box Envelope Other

3. Were custody seals on coolers? Yes No N/A If yes, how many and where?
 Were they intact? Yes No N/A
 Were they signed and dated? Yes No N/A

4. Method of delivery: Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other

5. Foreign or Regulated Soil? Yes No Location of Sampling:

Cooler Tracking Number	COC ID	Date Opened	Time Opened	Opened By	Temp. °C	Temp Blank?	Filed
1z0374970146848924		Oct 5, 2012	1012	AL	2/3	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

6. Were custody papers properly filled out (ink, signed, dated, etc)? Yes No N/A
7. Did all bottles arrive in good condition (not broken, no signs of leakage)? Yes No N/A
8. Were all sample labels complete (i.e., sample ID, analysis, preservation, etc)? Yes No N/A
9. Were appropriate bottles/containers and volumes received for the requested tests? Yes No N/A
10. Did sample labels and tags agree with custody documents? Yes No N/A

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count	Bottle Type	Out of Temp	Broken	Date	Technician
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Notes, Discrepancies, & Resolutions:

possible leakage in E1201354-003.01 10/5/12 MR

Print Form

Reset Form

Sample Acceptance Policy

This policy outlines the criteria samples must meet to be accepted by CAS/ Houston.

Cooler Custody Seals (desirable, mandatory if specified in SAP):

- ✓ Intact on outside of cooler, signed and dated

Chain-of-Custody (COC) documentation (mandatory):

The following is required on each COC:

- ✓ Sample ID, the location, date and time of collection, collector's name, preservation type, sample type, and any other special remarks concerning the sample
- ✓ The COC must be completed in ink.
- ✓ Signature and date of relinquishing party.

In the absence of a COC at sample receipt, CAS/Houston will complete a COC, which must be approved by the client, in writing, prior to proceeding with the analysis.

Sample Integrity (mandatory):

Samples are inspected upon arrival to ensure that sample integrity was not compromised during transfer to the laboratory.

- ✓ Sample containers must arrive in good condition (not broken or leaking).
- ✓ Samples must be labeled appropriately, including Sample IDs, and requested test using durable labels and indelible ink.
- ✓ The correct type of sample bottle must be used for the method requested.
- ✓ An appropriate sample volume, or weight, must be received.
- ✓ Sample IDs and number of containers must reconcile with the COC.
- ✓ Samples must be received within the method defined holding time.

Temperature Requirement (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6°C.
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10°C.
- ✓ Air samples can be shipped and stored at ambient temperature, ~23°C.
- ✓ The sample temperature must be recorded on the COC

All cooler inspections are documented on the Cooler Receipt Form (CRF). A separate CRF is completed for each service request. Any samples not meeting the above criteria are noted on the CRF and the Project Manager notified. The Project Manager must resolve any sample integrity issues with the client prior to proceeding with the analysis. Such resolutions are documented in writing and filed with the project folder.

Service Request Summary

Folder #: E1201354
Client Name: ESS Laboratories
Project Name: 1210126
Project Number:

Report To: Elizabeth Ouk
 ESS Laboratories
 eouk@thielsch.com
 185 Frances Ave.
 Cranston, RI 02910

Phone Number: 401-461-7181
Cell Number:
Fax Number: 401-461-4486
E-mail: eouk@thielsch.com

Project Chemist: Nicole Brown
Originating Lab: HOUSTON
Logged By: MRIVERA
Date Received: 10/ 5/12
Internal Due Date: 10/15/12
QAP: LAB QAP
Qualifier Set: CAS Standard
Formset: CAS Standard
Merged?: N
Report to MDL?: Y
P.O. Number: 1210126
EDD: BASIC_wMB_CASNO

10 .8 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved

Location: E-WIC01

CAS Samp No	Client Samp No.	Matrix	Collected	SVM	
				8290/ PCDD PCDF	CAS SOP/ Total Solids
E1201354-001	1210126-06	Soil	10/3/12 1115	II	II
E1201354-002	1210126-07	Soil	10/3/12 1118	II	II
E1201354-003	1210126-08	Soil	10/3/12 1121	II	II
E1201354-004	1210126-09	Soil	10/3/12 1125	II	II
E1201354-005	1210126-10	Soil	10/3/12 1129	II	II
E1201354-006	1210126-11	Soil	10/3/12 1138	II	II
E1201354-007	1210126-12	Soil	10/3/12 1142	II	II
E1201354-008	1210126-13	Soil	10/3/12 1146	II	II
E1201354-009	1210126-14	Soil	10/3/12 1151	II	II
E1201354-010	1210126-15	Soil	10/3/12 1155	II	II

Preparation Information Benchsheet

Prep Run#: 168609
Team: Semivoa GCMS/HLEUNG

Prep Workflow: OrgExtDioxS(30)
Prep Method: Method

Status: Prepped
Prep Date/Time: 10/5/12 02:00 PM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Sample Description
1	E1201341-004	1209205-04B	.01	8290/PCDD PCDF		Soil	5.228g	composite paper towel
2	E1201354-001	1210126-06	.01	8290/PCDD PCDF		Soil	10.038g	brown dirt
3	E1201354-002	1210126-07	.01	8290/PCDD PCDF		Soil	10.187g	brown dirt
4	E1201354-003	1210126-08	.01	8290/PCDD PCDF		Soil	10.101g	brown dirt
5	E1201354-004	1210126-09	.01	8290/PCDD PCDF		Soil	10.072g	brown dirt
6	E1201354-005	1210126-10	.01	8290/PCDD PCDF		Soil	10.037g	brown dirt
7	E1201354-006	1210126-11	.01	8290/PCDD PCDF		Soil	10.349g	brown dirt
8	E1201354-007	1210126-12	.01	8290/PCDD PCDF		Soil	10.046g	brown dirt
9	E1201354-008	1210126-13	.01	8290/PCDD PCDF		Soil	10.024g	brown dirt
10	E1201354-009	1210126-14	.01	8290/PCDD PCDF		Soil	10.114g	brown dirt
11	E1201354-010	1210126-15	.01	8290/PCDD PCDF		Soil	10.157g	brown dirt
12	EQ1200576-01	MB		8290/PCDD PCDF		Solid	10.083g	
13	EQ1200576-02	LCS		8290/PCDD PCDF		Solid	10.266g	
14	EQ1200576-03	1210126-12 MS	.01	8290/PCDD PCDF		Solid	10.056g	
15	EQ1200576-04	1210126-12 DMS	.01	8290/PCDD PCDF		Solid	10.027g	
16	K1209489-008	Composite	.16	8290/PCDD PCDF		Paperboard	5.270g	paper

Spiking Solutions

Name: 1613B Matrix Working Standard	Inventory ID 49792	Logbook Ref: D13-69-5 (49792)	Expires On: 10/02/2013
--	---------------------------	--------------------------------------	-------------------------------

EQ1200576-02 100.00µL EQ1200576-03 100.00µL EQ1200576-04 100.00µL

Name: 8290/1613B Cleanup Working Standard	Inventory ID 49814	Logbook Ref: D13-70-1 (49814)	Expires On: 10/02/2013
--	---------------------------	--------------------------------------	-------------------------------

E1201341-004 100.00µL E1201354-001 100.00µL E1201354-002 100.00µL E1201354-003 100.00µL E1201354-004 100.00µL E1201354-005 100.00µL
 E1201354-006 100.00µL E1201354-007 100.00µL E1201354-008 100.00µL E1201354-009 100.00µL E1201354-010 100.00µL EQ1200576-01 100.00µL
 EQ1200576-02 100.00µL EQ1200576-03 100.00µL EQ1200576-04 100.00µL K1209489-008 100.00µL

Name: 1613B Labeled Working Standard	Inventory ID 49894	Logbook Ref: D13-71-1 (49894)	Expires On: 10/04/2013
---	---------------------------	--------------------------------------	-------------------------------

E1201341-004 1,000.00µL E1201354-001 1,000.00µL E1201354-002 1,000.00µL E1201354-003 1,000.00µL E1201354-004 1,000.00µL E1201354-005 1,000.00µL
 E1201354-006 1,000.00µL E1201354-007 1,000.00µL E1201354-008 1,000.00µL E1201354-009 1,000.00µL E1201354-010 1,000.00µL EQ1200576-01 1,000.00µL
 EQ1200576-02 1,000.00µL EQ1200576-03 1,000.00µL EQ1200576-04 1,000.00µL K1209489-008 1,000.00µL

Preparation Information Benchsheet

Prep Run#: 168609
Team: Semivoa GCMS/HLEUNG

Prep Workflow: OrgExtDioxS(30)
Prep Method: Method

Status: Prepped
Prep Date/Time: 10/5/12 02:00 PM

Preparation Materials

Carbon, High Purity	C-81-3 (48782)	Ethyl Acetate 99.9% Minimum EtOAc	C2-79-2 (52060) (48043)	Glass Wool	C2-79-6 (K93168686) (48047)
Sulfuric Acid Reagent Grade H2SO4	C2-80-1 (48873) (48873)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	C2-83-4 (49896)	Sodium Chloride Reagent Grade NaCl	C2-65-5 (38670)
Sodium Hydroxide Reagent Grade NaOH	C2-63-6 (37033)	Sodium Sulfate Anhydrous Reagent Grade Na2SO4	C2-78-1 (06010505) (46897)	Tridecane (n-Tridecane)	C2-81-1 (48627)
Hexane (n-Hexane) 98.5% Minimum	C2-84-4 (50233)	Silica Gel Reagent Grade	C2-80-6 (48144)	Toluene 99.9% Minimum	C2-83-5 (49870)

Preparation Steps

Step: Extraction	Step: Acid Clean	Step: Silica Gel Clean	Step: Final Volume
Started: 10/5/12 14:00	Started: 10/10/12 10:00	Started: 10/11/12 05:45	Started: 10/12/12 09:50
Finished: 10/6/12 09:15	Finished: 10/10/12 11:00	Finished: 10/11/12 07:45	Finished: 10/12/12 13:25
By: HLEUNG	By: CDIAZ	By: CDIAZ	By: CDIAZ
Comments	Comments	Comments	Comments

Comments: _____

Reviewed By: SM Date: 10/15/12

Chain of Custody

Relinquished By: _____	Date: _____	<u>Extracts Examined</u>
Received By: _____	Date: _____	Yes No

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100126
Date Project Due: 10/11/12
Days For Project: 5 Day

Items to be checked upon receipt:

- 1. Air Bill Manifest Present? * No
Air No.:
 - 2. Were Custody Seals Present? No
 - 3. Were Custody Seals Intact? N/A
 - 4. Is Radiation count < 100 CPM? Yes
 - 5. Is a cooler present? Yes
Cooler Temp: 3.7
Iced With: Icepacks
 - 6. Was COC included with samples? Yes
 - 7. Was COC signed and dated by client? Yes
 - 8. Does the COC match the sample Yes
 - 9. Is COC complete and correct? Yes
 - 10. Are the samples properly preserved? Yes
 - 11. Proper sample containers used? Yes
 - 12. Any air bubbles in the VOA vials? N/A
 - 13. Holding times exceeded? No
 - 14. Sufficient sample volumes? Yes
 - 15. Any Subcontracting needed? * Yes
 - 16. Are ESS labels on correct containers? Yes No
 - 17. Were samples received intact? Yes No
- ESS Sample IDs: 06-05
Sub Lab: _____
Analysis: Dioxin EPA 8290
TAT: Std
18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	2	NP
2	Yes	4 oz Soil Jar	2	NP
3	Yes	4 oz Soil Jar	2	NP
4	Yes	4 oz Soil Jar	2	NP
5	Yes	4 oz Soil Jar	2	NP
6	Yes	4 oz Soil Jar	1	NP
6	Yes	8 oz Soil Jar	1	NP
7	Yes	4 oz Soil Jar	1	NP
7	Yes	8 oz Soil Jar	1	NP
8	Yes	4 oz Soil Jar	1	NP
8	Yes	8 oz Soil Jar	1	NP
9	Yes	4 oz Soil Jar	1	NP
9	Yes	8 oz Soil Jar	1	NP
10	Yes	4 oz Soil Jar	1	NP
10	Yes	8 oz Soil Jar	1	NP
11	Yes	4 oz Soil Jar	1	NP
11	Yes	8 oz Soil Jar	1	NP
12	Yes	4 oz Soil Jar	1	NP
12	Yes	8 oz Soil Jar	1	NP
13	Yes	4 oz Soil Jar	1	NP
13	Yes	8 oz Soil Jar	1	NP
14	Yes	4 oz Soil Jar	1	NP
14	Yes	8 oz Soil Jar	1	NP
15	Yes	4 oz Soil Jar	1	NP
15	Yes	8 oz Soil Jar	1	NP

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental

ESS Project ID: 12100126

Completed By: JK

Date/Time: 10/4/12

Reviewed By: KAS

Date/Time: 10/4/12

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 2

Turn Time Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA (U) CT NH NJ NY ME Other _____
 Is this project for any of the following: USACE Other _____
 MA-MCP Navy _____

Reporting Limits
RDEL - Res.
 Electronic Deliverable Yes No
 Format: Excel ___ Access ___ PDF ___ Other **EQVIST**

Co. Name	Project #	Project Name (20 Char. or less)	ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis
AMEL	3650110213	Gorham Parcel C-1 Cap	1	10.3.12	1050	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSWB01	1	2 G	PAH (EPA 8270) Lead (EPA 6010) Dioxin (EPA 8290)	
Kelly Chatterton	107 Audubon Rd. Suite 301		2		1053	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSW501	1	2 G		
Wakefield	MA		3		1056	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSW001	1	2 G		
	701 245 6606		4		1100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSWN01	1	2 G		
			5		1104	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSWE01	1	2 G		
			6		1115	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2B01	1	2 G		
			7		1118	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2W01	1	2 G		
			8		1121	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2N01	1	2 G		
			9		1125	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2E01	1	2 G		
			10		1129	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2S01	1	2 G		

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge W-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: Yes ___ No ___ Internal Use Only

Seals Intact: Yes ___ No **NAX** ___ [] Pickup [] Technicians

Cooler Temp: **3.71c**

Preservation Code: 1-NP, 2-HCl, 3-H₂SO₄, 4-HNO₃, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by: **Phil Muller**

Comments: _____

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Phil Muller</i>	10.4.12 1330	<i>Phil Muller</i>	10.4.12 1330

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A
 Please fax all changes to Chain of Custody in writing.
 1 (White) Lab Copy 2 (Yellow) Client Receipt
 10/26/04 A

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time _____ Standard _____ Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA RI CT NH NJ NY ME Other _____
 Is this project for any of the following: USACE Other _____
 MA-MCP Navy

Reporting Limits
RINEL - Res.
 Electronic Deliverable Yes No
 Format: Excel Access PDF Other **EQVIS**

Co. Name	Project #	Project Name (20 Char. or less)	ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis
AMEL	3650110213	Gorham Parcel C-1 Cap											
Contact Person	Kelly Chatterton												
City	Wakefield MA												
Address	107 Audubon Rd. Suite 301												
Telephone #	781 245-6606												
State	MA												
Zip	01080												
Fax #	-												
ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification	Pres Code	Number of Containers	Type of Containers	Write Required Analysis			
11	10-3-12	1138		<input checked="" type="checkbox"/>	S	SSNW1B01	1	2 G	X	Lead (EPA 6010) Dioxin (EPA 8290)			
12		1142		<input checked="" type="checkbox"/>	S	SSNW1S01	1	2 G	X				
13		1146		<input checked="" type="checkbox"/>	S	SSNW1W01	1	2 G	X				
14		1151		<input checked="" type="checkbox"/>	S	SSNW1N01	1	2 G	X				
15		1155		<input checked="" type="checkbox"/>	S	SSNW1E01	1	2 G	X				

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters
 Cooler Present Yes No Internal Use Only
 Seals Intact Yes No NA: Pickup
 Cooler Temp: 3.7 ice Technicians _____
 Sampled by: **Phil Muller**
 Comments: _____

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Phil Muller</i>	10-12-13 1330	<i>Kumar</i>	10/14/13 30
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Lead Data Package

Lead Sample Data

ESS Laboratory

SDG: 1210126
CLASS: METALS
METHOD: 6010B

ANALYSES DATA PACKAGE COVER PAGE

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Client Sample Id:

Lab Sample Id:

SSSWB01

1210126-01

SSSWS01

1210126-02

SSSWW01

1210126-03

SSSWN01

1210126-04

SSSWE01

1210126-05

SSNW2B01

1210126-06

SSNW2W01

1210126-07

SSNW2N01

1210126-08

SSNW2E01

1210126-09

SSNW2S01

1210126-10

SSNW1B01

1210126-11

SSNW1S01

1210126-12

SSNW1W01

1210126-13

SSNW1N01

1210126-14

SSNW1E01

1210126-15

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Instrument: ICP3

Analyte	MDL	MRL	Units
Aluminum	2.2	6.7	mg/kg
Calcium	9.10	33.3	mg/kg
Iron	2.1	6.7	mg/kg
Lead	0.3	6.7	mg/kg
Magnesium	4.03	13.3	mg/kg

INORGANIC ANALYSIS DATA SHEET

6010B

SSSWB01

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-01

File ID: 100612NADREP-099

Sampled: 10/03/12 10:50

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 21:40

Solids: 94.00

Preparation: 3050B

Initial/Final: 3.19 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	13.2	1		6010B

INORGANIC ANALYSIS DATA SHEET

6010B

SSWS01

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-02

File ID: 100612NADREP-102

Sampled: 10/03/12 10:53

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 21:53

Solids: 94.00

Preparation: 3050B

Initial/Final: 2.1 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	110	1		6010B

INORGANIC ANALYSIS DATA SHEET

SSSWW01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-03

File ID: 100612NADREP-103

Sampled: 10/03/12 10:56

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 21:57

Solids: 94.00

Preparation: 3050B

Initial/Final: 3.17 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	32.9	1		6010B

INORGANIC ANALYSIS DATA SHEET

6010B

SSSWN01

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-04

File ID: 100612NADREP-104

Sampled: 10/03/12 11:00

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:01

Solids: 94.00

Preparation: 3050B

Initial/Final: 2.26 g / 100 ml

Batch: CJ20516

Sequence: CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	64.3	1		6010B

INORGANIC ANALYSIS DATA SHEET

6010B

SSSWE01

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-05

File ID: 100612NADREP-105

Sampled: 10/03/12 11:04

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:05

Solids: 95.00

Preparation: 3050B

Initial/Final: 2.33 g / 100 ml

Batch: CJ20516

Sequence: CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	25.9	1		6010B

INORGANIC ANALYSIS DATA SHEET

SSNW2B01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-06

File ID: 100612NADREP-106

Sampled: 10/03/12 11:15

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:09

Solids: 92.00

Preparation: 3050B

Initial/Final: 2.42 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	8.0	1		6010B

INORGANIC ANALYSIS DATA SHEET

SSNW2W01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-07

File ID: 100612NADREP-107

Sampled: 10/03/12 11:18

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:13

Solids: 93.00

Preparation: 3050B

Initial/Final: 2.35 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	4.6	1	U	6010B

INORGANIC ANALYSIS DATA SHEET

SSNW2N01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-08

File ID: 100612NADREP-108

Sampled: 10/03/12 11:21

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:18

Solids: 91.00

Preparation: 3050B

Initial/Final: 2.5 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	5.0	1		6010B

INORGANIC ANALYSIS DATA SHEET

SSNW2E01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-09

File ID: 100612NADREP-109

Sampled: 10/03/12 11:25

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:22

Solids: 92.00

Preparation: 3050B

Initial/Final: 2 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	5.4	1	U	6010B

INORGANIC ANALYSIS DATA SHEET

SSNW2S01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-10

File ID: 100612NADREP-110

Sampled: 10/03/12 11:29

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:26

Solids: 90.00

Preparation: 3050B

Initial/Final: 2.21 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	8.5	1		6010B

INORGANIC ANALYSIS DATA SHEET

SSNW1B01

6010B

 Laboratory: ESS Laboratory

 SDG: 1210126

 Client: AMEC Environmental and Infrastructure

 Project: Gorham Parcel C-1 Cap

 Matrix: Soil

 Laboratory ID: 1210126-11

 File ID: 100612NADREP-111

 Sampled: 10/03/12 11:38

 Prepared: 10/05/12 14:02

 Analyzed: 10/06/12 22:30

 Solids: 92.00

 Preparation: 3050B

 Initial/Final: 2.03 g / 100 ml

 Batch: CJ20516

 Sequence: CVJ0305

 Calibration: UNASSIGNED

 Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	5.4	1	U	6010B

INORGANIC ANALYSIS DATA SHEET

SSNW1S01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-12

File ID: 100612NADREP-114

Sampled: 10/03/12 11:42

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:42

Solids: 92.00

Preparation: 3050B

Initial/Final: 2.24 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	4.9	1	U	6010B

INORGANIC ANALYSIS DATA SHEET

6010B

SSNW1W01

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-13

File ID: 100612NADREP-115

Sampled: 10/03/12 11:46

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:47

Solids: 92.00

Preparation: 3050B

Initial/Final: 2.12 g / 100 ml

Batch: CJ20516

Sequence: CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	5.1	1	U	6010B

INORGANIC ANALYSIS DATA SHEET

SSNW1N01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-14

File ID: 100612NADREP-116

Sampled: 10/03/12 11:51

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:51

Solids: 92.00

Preparation: 3050B

Initial/Final: 2.09 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	6.3	1		6010B

INORGANIC ANALYSIS DATA SHEET

SSNW1E01

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210126-15

File ID: 100612NADREP-117

Sampled: 10/03/12 11:55

Prepared: 10/05/12 14:02

Analyzed: 10/06/12 22:55

Solids: 90.00

Preparation: 3050B

Initial/Final: 2.26 g / 100 ml

Batch: CJ20516

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	26.8	1		6010B

Lead Quality Control Data

PREPARATION BATCH SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Batch: CJ20516 Batch Matrix: Solid

Preparation: 3050B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
SSSWB01	1210126-01	100612NADREP-099	10/05/12 14:02	
SSSWS01	1210126-02	100612NADREP-102	10/05/12 14:02	
SSSWW01	1210126-03	100612NADREP-103	10/05/12 14:02	
SSSWN01	1210126-04	100612NADREP-104	10/05/12 14:02	
SSSWE01	1210126-05	100612NADREP-105	10/05/12 14:02	
SSNW2B01	1210126-06	100612NADREP-106	10/05/12 14:02	
SSNW2W01	1210126-07	100612NADREP-107	10/05/12 14:02	
SSNW2N01	1210126-08	100612NADREP-108	10/05/12 14:02	
SSNW2E01	1210126-09	100612NADREP-109	10/05/12 14:02	
SSNW2S01	1210126-10	100612NADREP-110	10/05/12 14:02	
SSNW1B01	1210126-11	100612NADREP-111	10/05/12 14:02	
SSNW1S01	1210126-12	100612NADREP-114	10/05/12 14:02	
SSNW1W01	1210126-13	100612NADREP-115	10/05/12 14:02	
SSNW1N01	1210126-14	100612NADREP-116	10/05/12 14:02	
SSNW1E01	1210126-15	100612NADREP-117	10/05/12 14:02	
Blank	CJ20516-BLK1	100612NADREP-086	10/05/12 14:02	
LCS	CJ20516-BS1	100612NADREP-087	10/05/12 14:02	
LCS Dup	CJ20516-BSD1	100612NADREP-090	10/05/12 14:02	

METHOD BLANK DATA SHEET
6010B

Laboratory: ESS Laboratory SDG: 1210126
Client: AMEC Environmental and Infrastructure Project: Gorham Parcel C-1 Cap
Matrix: Solid Laboratory ID: CJ20516-BLK1 File ID: 100612NADREP-086
Prepared: 10/05/12 14:02 Preparation: 3050B Initial/Final: 2 g / 100 ml
Analyzed: 10/06/12 20:46 Instrument: ICP3
Batch: CJ20516 Sequence: CVJ0305 Calibration: UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7439-92-1	Lead	5.0	U

LCS / LCS DUPLICATE RECOVERY

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ20516

Laboratory ID: CJ20516-BS1

Preparation: 3050B

Initial/Final: 0.53 g / 100 ml

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.
Lead	76.90	63.3	82	80 - 120

COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Lead	76.90	76.7	100	19	20	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Lead Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0305

Instrument: ICP3

Matrix: Solid

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	CVJ0305-ICV1	100612NADREP-005	10/06/12 12:20
Secondary Cal Check	CVJ0305-SCV1	100612NADREP-006	10/06/12 12:25
Initial Cal Blank	CVJ0305-ICB1	100612NADREP-007	10/06/12 12:29
Instrument RL Check	CVJ0305-CRL2	100612NADREP-009	10/06/12 12:38
Instrument RL Check	CVJ0305-CRL3	100612NADREP-010	10/06/12 12:42
Interference Check A	CVJ0305-IFA1	100612NADREP-011	10/06/12 12:47
Interference Check B	CVJ0305-IFB1	100612NADREP-012	10/06/12 13:15
Calibration Check	CVJ0305-CCV1	100612NADREP-076	10/06/12 20:05
Calibration Blank	CVJ0305-CCB1	100612NADREP-077	10/06/12 20:09
Blank	CJ20516-BLK1	100612NADREP-086	10/06/12 20:46
LCS	CJ20516-BS1	100612NADREP-087	10/06/12 20:51
Calibration Check	CVJ0305-CCV2	100612NADREP-088	10/06/12 20:55
Calibration Blank	CVJ0305-CCB2	100612NADREP-089	10/06/12 20:59
LCS Dup	CJ20516-BSD1	100612NADREP-090	10/06/12 21:03
SSSWB01	1210126-01	100612NADREP-099	10/06/12 21:40
Calibration Check	CVJ0305-CCV3	100612NADREP-100	10/06/12 21:44
Calibration Blank	CVJ0305-CCB3	100612NADREP-101	10/06/12 21:48
SSWS01	1210126-02	100612NADREP-102	10/06/12 21:53
SSSWW01	1210126-03	100612NADREP-103	10/06/12 21:57
SSSWN01	1210126-04	100612NADREP-104	10/06/12 22:01
SSSWE01	1210126-05	100612NADREP-105	10/06/12 22:05
SSNW2B01	1210126-06	100612NADREP-106	10/06/12 22:09
SSNW2W01	1210126-07	100612NADREP-107	10/06/12 22:13
SSNW2N01	1210126-08	100612NADREP-108	10/06/12 22:18
SSNW2E01	1210126-09	100612NADREP-109	10/06/12 22:22
SSNW2S01	1210126-10	100612NADREP-110	10/06/12 22:26
SSNW1B01	1210126-11	100612NADREP-111	10/06/12 22:30
Calibration Check	CVJ0305-CCV4	100612NADREP-112	10/06/12 22:34
Calibration Blank	CVJ0305-CCB4	100612NADREP-113	10/06/12 22:38
SSNW1S01	1210126-12	100612NADREP-114	10/06/12 22:42
SSNW1W01	1210126-13	100612NADREP-115	10/06/12 22:47
SSNW1N01	1210126-14	100612NADREP-116	10/06/12 22:51

ANALYSIS BATCH (SEQUENCE) SUMMARY
6010B

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210126</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Sequence: <u>CVJ0305</u>	Instrument: <u>ICP3</u>
Matrix: <u>Solid</u>	Calibration: <u>UNASSIGNED</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
SSNW1E01	1210126-15	100612NADREP-117	10/06/12 22:55
Calibration Check	CVJ0305-CCV5	100612NADREP-124	10/06/12 23:24
Calibration Blank	CVJ0305-CCB5	100612NADREP-125	10/06/12 23:29
Calibration Check	CVJ0305-CCV6	100612NADREP-136	10/07/12 00:14
Calibration Blank	CVJ0305-CCB6	100612NADREP-137	10/07/12 00:18
Calibration Check	CVJ0305-CCV7	100612NADREP-148	10/07/12 01:06
Calibration Blank	CVJ0305-CCB7	100612NADREP-149	10/07/12 01:10
Interference Check A	CVJ0305-IFA2	100612NADREP-162	10/07/12 02:04
Interference Check B	CVJ0305-IFB2	100612NADREP-163	10/07/12 02:09

**BLANKS
6010B**

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0305

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
CVJ0305-ICB1	Aluminum	-0.008	0.1	mg/L		6010B
	Calcium	-0.016	0.50	mg/L		6010B
	Iron	0.018	0.1	mg/L		6010B
	Lead	-0.005	0.1	mg/L		6010B
	Magnesium	-0.036	0.20	mg/L		6010B
CVJ0305-CCB1	Aluminum	-0.006	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.01	0.1	mg/L		6010B
	Lead	-0.004	0.1	mg/L		6010B
	Magnesium	-0.04	0.20	mg/L		6010B
CJ20516-BLK1	Lead	-0.3	5.0	mg/kg wet		6010B
CVJ0305-CCB2	Aluminum	-0.005	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.02	0.1	mg/L		6010B
	Lead	-0.005	0.1	mg/L		6010B
	Magnesium	-0.04	0.20	mg/L		6010B
CVJ0305-CCB3	Aluminum	-0.0002	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.03	0.1	mg/L		6010B
	Lead	-0.003	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CVJ0305-CCB4	Aluminum	0.01	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.04	0.1	mg/L		6010B
	Lead	-0.005	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CVJ0305-CCB5	Aluminum	-0.0004	0.1	mg/L		6010B
	Calcium	-0.007	0.50	mg/L		6010B
	Iron	0.03	0.1	mg/L		6010B
	Lead	-0.004	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CVJ0305-CCB6	Aluminum	0.005	0.1	mg/L		6010B
	Calcium	-0.004	0.50	mg/L		6010B

BLANKS
6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Instrument ID: ICP3

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0305

Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
CVJ0305-CCB6	Iron	0.04	0.1	mg/L		6010B
	Lead	0.004	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CVJ0305-CCB7	Aluminum	0.02	0.1	mg/L		6010B
	Calcium	-0.006	0.50	mg/L		6010B
	Iron	0.06	0.1	mg/L		6010B
	Lead	0.005	0.1	mg/L		6010B
	Magnesium	-0.02	0.20	mg/L		6010B

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units	Method
CVJ0305-ICV1	Aluminum	2.500	2.52	101	mg/L	6010B
	Calcium	5.000	5.03	101	mg/L	6010B
	Iron	2.500	2.51	100	mg/L	6010B
	Lead	0.5000	0.498	100	mg/L	6010B
	Magnesium	5.000	5.06	101	mg/L	6010B
CVJ0305-CCV1	Aluminum	2.500	2.47	99	mg/L	6010B
	Calcium	5.000	4.86	97	mg/L	6010B
	Iron	2.500	2.63	105	mg/L	6010B
	Lead	0.5000	0.479	96	mg/L	6010B
	Magnesium	5.000	5.04	101	mg/L	6010B
CVJ0305-CCV2	Aluminum	2.500	2.55	102	mg/L	6010B
	Calcium	5.000	4.93	99	mg/L	6010B
	Iron	2.500	2.71	108	mg/L	6010B
	Lead	0.5000	0.499	100	mg/L	6010B
	Magnesium	5.000	5.13	103	mg/L	6010B
CVJ0305-CCV3	Aluminum	2.500	2.48	99	mg/L	6010B
	Calcium	5.000	4.77	95	mg/L	6010B
	Iron	2.500	2.70	108	mg/L	6010B
	Lead	0.5000	0.477	95	mg/L	6010B
	Magnesium	5.000	4.96	99	mg/L	6010B
CVJ0305-CCV4	Aluminum	2.500	2.64	106	mg/L	6010B
	Calcium	5.000	4.91	98	mg/L	6010B
	Iron	2.500	2.70	108	mg/L	6010B
	Lead	0.5000	0.494	99	mg/L	6010B
	Magnesium	5.000	5.14	103	mg/L	6010B
CVJ0305-CCV5	Aluminum	2.500	2.53	101	mg/L	6010B
	Calcium	5.000	4.84	97	mg/L	6010B
	Iron	2.500	2.57	103	mg/L	6010B
	Lead	0.5000	0.484	97	mg/L	6010B
	Magnesium	5.000	5.03	101	mg/L	6010B
CVJ0305-CCV6	Aluminum	2.500	2.63	105	mg/L	6010B
	Calcium	5.000	4.84	97	mg/L	6010B
	Iron	2.500	2.70	108	mg/L	6010B
	Lead	0.5000	0.498	100	mg/L	6010B
	Magnesium	5.000	5.14	103	mg/L	6010B
CVJ0305-CCV7	Aluminum	2.500	2.68	107	mg/L	6010B
	Calcium	5.000	4.85	97	mg/L	6010B
	Iron	2.500	2.78	111 *	mg/L	6010B

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units	Method
CVJ0305-CCV7	Lead	0.5000	0.498	100	mg/L	6010B
	Magnesium	5.000	5.11	102	mg/L	6010B

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units
CVJ0305-IFA1	Aluminum	250.0	244.5813	98	mg/L
	Calcium	250.0	234.3945	94	mg/L
	Iron	100.0	91.4312	91	mg/L
	Lead		-0.0008		mg/L
	Lead		-0.0008		mg/L
CVJ0305-IFB1	Magnesium	250.0	235.8236	94	mg/L
	Aluminum	250.0	254.3283	102	mg/L
	Calcium	250.0	242.9526	97	mg/L
	Iron	100.0	97.0266	97	mg/L
	Lead	0.5000	0.4371	87	mg/L
CVJ0305-IFA2	Lead	0.5000	0.4371	87	mg/L
	Magnesium	250.0	243.6872	97	mg/L
	Aluminum	250.0	238.8039	96	mg/L
	Calcium	250.0	218.9571	88	mg/L
	Iron	100.0	88.9945	89	mg/L
CVJ0305-IFB2	Lead		0.0058		mg/L
	Lead		0.0058		mg/L
	Magnesium	250.0	230.6507	92	mg/L
	Aluminum	250.0	247.7465	99	mg/L
	Calcium	250.0	227.6522	91	mg/L
	Iron	100.0	88.6535	89	mg/L
	Lead	0.5000	0.4285	86	mg/L
	Lead	0.5000	0.4285	86	mg/L
	Magnesium	250.0	239.0040	96	mg/L

* Values outside of QC limits

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limits
CVJ0305-CRL2	Aluminum	0.1000	0.098	98	mg/L	70 - 130
	Calcium	0.2000	0.199	100	mg/L	70 - 130
	Iron	0.1000	0.115	115	mg/L	70 - 130
	Lead	0.02000	0.019	96	mg/L	70 - 130
	Lead	0.02000	0.019	96	mg/L	70 - 130
	Magnesium	0.2000	0.181	91	mg/L	70 - 130
CVJ0305-CRL3	Aluminum	0.05000	0.048	95	mg/L	70 - 130
	Calcium	0.1000	0.091	91	mg/L	70 - 130
	Iron	0.05000	0.064	128	mg/L	70 - 130
	Lead	0.01000	0.007	68 *	mg/L	70 - 130
	Lead	0.01000	0.007	68 *	mg/L	70 - 130
	Magnesium	0.1000	0.069	69 *	mg/L	70 - 130

* Values outside of QC limits














Seq.	Loc.	Sample ID
1	1	CAL1
2	2	CAL2
3	3	CAL3
4	4	CAL4
5	3	CCV1
6	1	CCB1
7	9	CJ20523-BLK1
8	10	CJ20523-BS1
9	11	CJ20523-BSD1
10	12	1210010-01 @20
11	13	1210010-01
12	14	1210152-01
13	15	CJ20523-DUP2
14	16	CJ20523-MS2
15	17	CJ20523-SD2 @5
16	18	CJ20523-PDS2
17	3	CCV1
18	1	CCB1
19	19	1210155-01
20	20	1210140-01
21	21	1210140-02
22	22	1210140-03
23	23	1210140-04
24	24	1210140-05
25	25	1210140-06
26	26	CJ20523-DUP1
27	27	CJ20523-MS1
28	28	CJ20523-SD1 @5
29	3	CCV1
30	1	CCB1
31	29	CJ20523-PDS1
32	30	1210148-01
33	31	1210148-02
34	32	1210148-03
35	33	CJ20511-BLK1
36	34	CJ20511-BS1
37	35	CJ20511-BSD1
38	36	1210123-01TCLP
39	37	1210125-01TCLP
40	38	CJ20511-DUP1
41	3	CCV1
42	1	CCB1
43	39	CJ20511-MS1
44	40	CJ20511-SD1 @5
45	41	CJ20511-PDS1
46	42	1210159-01
47	43	1210159-02
48	44	1210141-01
49	45	CJ20602-BLK1
50	46	CJ20602-BS1
51	47	CJ20602-BSD1
52	48	1210124-01TCLP
53	3	CCV1
54	1	CCB1
55	49	1210124-02TCLP
56	50	1210124-03TCLP
57	51	1210124-04TCLP
58	52	CJ20602-DUP1

Seq.	Loc.	Sample ID
59	53	CJ20602-MS1
60	54	CJ20602-SD1 @5
61	55	CJ20602-PDS1
62	56	CJ20603-BLK1
63	57	CJ20603-BS1
64	58	CJ20603-BSD1
65	3	CCV1
66	1	CCB1
67	59	1210155-01SPLP
68	60	CJ20603-DUP1
69	61	CJ20603-MS1
70	62	CJ20603-SD1 @5
71	63	CJ20603-PDS1
72	64	1210170-01SPLP
73	65	1210170-02SPLP
74	66	1210170-03SPLP
75	67	CJ20516-BLK1
76	68	CJ20516-BS1
77	3	CCV1
78	1	CCB1
79	69	CJ20516-BSD1
80	70	1210124-01
81	71	1210124-02
82	72	1210124-03
83	73	1210124-04
84	74	CJ20516-DUP1
85	75	CJ20516-MS1
86	76	CJ20516-SD1 @5
87	77	CJ20516-PDS1
88	78	1210126-01
89	3	CCV1
90	1	CCB1
91	79	1210126-02
92	80	1210126-03
93	81	1210126-04
94	82	1210126-05
95	83	1210126-06
96	84	1210126-07
97	85	1210126-08
98	86	1210126-09
99	87	1210126-10
100	88	1210126-11
101	3	CCV1
102	1	CCB1
103	89	1210126-12
104	90	1210126-13
105	91	1210126-14
106	92	1210126-15
107	93	1210136-01
108	94	CJ20516-DUP2
109	95	CJ20516-MS2
110	96	CJ20516-SD2 @5
111	97	CJ20516-PDS2
112	98	CJ20518-BLK1
113	3	CCV1
114	1	CCB1
115	99	CJ20518-BS1
116	100	CJ20518-BSD1

Seq.	Loc.	Sample ID
117	101	1210127-01
118	102	1210127-02
119	103	1210127-03
120	104	1210127-04
121	105	1210127-05
122	106	1210127-06
123	107	1210127-07
124	108	1210127-08
125	3	CCV1
126	1	CCB1
127	109	1210127-09
128	110	1210127-10
129	111	CJ20518-DUP1
130	112	CJ20518-MS1
131	113	CJ20518-SD1 @5
132	114	CJ20518-PDS1
133	115	1210127-11
134	116	1210127-12
135	117	1210132-01
136	118	1210132-02
137	3	CCV1
138	1	CCB1
139	119	1210132-03
140	120	1210132-04
141	121	1210137-01
142	122	1210137-02
143	123	CJ20518-DUP2
144	124	CJ20518-MS2
145	125	CJ20518-SD2 @5
146	126	CJ20518-PDS2
147	127	1210145-01
148	128	1210146-01
149	3	CCV1
150	1	CCB1
151	160	IFA
152	159	IFB
153	129	WASH

Analytical Sequence

Method : Everything - DV

Seq.	Loc.		Sample ID
1	1		CAL1
2	2		CAL2
3	3		CAL3
4	4		CAL4
5	3		ICV1
6	5		SCV1
7	1		ICB1
8	6		CRL1
9	7		CRL2
10	8		CRL3
11	160		IFA
12	159		IFB
13	0		WASH

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	653863.4
-1.6	15.0	400428.1
-1.2	15.0	474691.0
-0.8	15.0	528914.7
-0.4	15.0	620950.9
0.0	15.0	641236.5
0.4	15.0	602859.2
0.8	15.0	530684.2
1.2	15.0	433855.7
1.6	15.0	325248.7
2.0	15.0	238252.9
-2.0	10.0	11695.6
-2.0	10.5	25910.1
-2.0	11.0	37884.8
-2.0	11.5	50338.4
-2.0	12.0	66713.7
-2.0	12.5	103679.9
-2.0	13.0	131111.6
-2.0	13.5	186533.5
-2.0	14.0	235591.8
-2.0	14.5	310039.2
-2.0	15.0	323653.6
-2.0	15.5	302229.9
-2.0	16.0	269211.3
-2.0	16.5	170620.5
-2.0	17.0	121377.4
-2.0	17.5	56156.9
-2.0	18.0	24890.2
-2.0	18.5	12942.9
-2.0	19.0	6371.3
-2.0	19.5	6149.4
-2.0	20.0	2258.8
-2.8	15.0	161754.5
-2.4	15.0	228858.4
-2.0	15.0	311262.0
-1.6	15.0	389747.7
-1.2	15.0	455819.9
-1.2	13.0	229111.6
-1.2	13.5	277763.5
-1.2	14.0	392827.5
-1.2	14.5	475833.8
-1.2	15.0	471893.1
-1.2	15.5	418989.2
-1.2	16.0	364424.2
-1.2	16.5	231932.7
-1.2	17.0	162977.5

10/6/2012 11:54:44 AM aligned for analyte Mn 257.610

X viewing position set to -1.2 mm having Peak intensity 475833.8 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 475833.8 for Axial viewing

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	101687.5
-1.6	15.0	149593.2
-1.2	15.0	215060.0
-0.8	15.0	300421.6
-0.4	15.0	404411.9
0.0	15.0	474082.3
0.4	15.0	549887.6
0.8	15.0	632974.4
1.2	15.0	663046.0
1.6	15.0	614767.3
2.0	15.0	536892.9
1.2	10.0	10825.1
1.2	10.5	25609.1
1.2	11.0	33356.2
1.2	11.5	47865.5

1.2	12.0	59976.4
1.2	12.5	122612.6
1.2	13.0	176184.3
1.2	13.5	235500.9
1.2	14.0	357575.2
1.2	14.5	600602.8
1.2	15.0	659673.1
1.2	15.5	632771.5
1.2	16.0	570872.3
1.2	16.5	382755.7
1.2	17.0	296128.2
1.2	17.5	210563.8
1.2	18.0	147077.4
1.2	18.5	81688.6
1.2	19.0	15574.8
1.2	19.5	9932.0
1.2	20.0	7961.9
0.4	15.0	547220.6
0.8	15.0	652594.1
1.2	15.0	647548.8
1.6	15.0	622735.4
2.0	15.0	538401.4
0.8	13.0	205491.8
0.8	13.5	241330.2
0.8	14.0	394242.3
0.8	14.5	617017.3
0.8	15.0	651894.4
0.8	15.5	624982.7
0.8	16.0	550486.7
0.8	16.5	386017.1
0.8	17.0	279373.1

10/6/2012 11:57:39 AM aligned for analyte Mn 257.610
X viewing position set to 0.8 mm having Peak intensity 651894.4 for Axial viewing
Y viewing position set to 15.0 mm having Peak intensity 651894.4 for Axial viewing
=====

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	873.7
-6.5	15.0	1373.1
-6.0	15.0	1747.5
-5.5	15.0	2287.6
-5.0	15.0	3112.9
-4.5	15.0	4175.5
-4.0	15.0	7091.9
-3.5	15.0	13093.9
-3.0	15.0	22324.5
-2.5	15.0	31044.8
-2.0	15.0	30242.8
-1.5	15.0	33083.4
-1.0	15.0	53254.8
-0.5	15.0	98069.5
0.0	15.0	180749.3
0.5	15.0	211121.0
1.0	15.0	185140.2
1.5	15.0	154039.2
2.0	15.0	113107.3
2.5	15.0	69741.9
3.0	15.0	32891.6
3.5	15.0	10132.9
4.0	15.0	6357.0
4.5	15.0	2787.5
5.0	15.0	1742.8
5.5	15.0	1261.7
6.0	15.0	745.8
6.5	15.0	561.7
7.0	15.0	489.6

10/6/2012 12:01:12 PM aligned for analyte Mn 257.610
X viewing position set to 0.5 mm having Peak intensity 211121.0 for Radial viewing
=====

Reprocessing Begun

Logged In Analyst: ICP3

Technique: ICP Continuous

Results Data Set (original): 100612NAD

Results Library (original): C:\pe\ICP3\Results\Results.mdb

Results Data Set (reprocessed): 100612NADREP

Results Library (reprocessed): C:\pe\ICP3\Results\Results.mdb

Sequence No.: 1

Sample ID: CAL1

Analyst:

Logged In Analyst (Original) : ICP3

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 10/6/2012 12:03:58 PM

Data Type: Reprocessed on 10/6/2012 1:22:42 PM

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Y 371.029	2468019.5	2468019.5	0.996 mg/L	12:06:18
1	Ag 328.068†	1393.5	1398.6	[0.00] mg/L	12:06:20
1	Al 237.313†	-134.5	-135.0	[0.00] mg/L	12:06:30
1	As 188.979†	2.5	2.5	[0.00] mg/L	12:06:30
1	B 182.528†	4.6	4.6	[0.00] mg/L	12:06:30
1	B 249.677†	6.3	6.3	[0.00] mg/L	12:05:54
1	Ba 233.527†	-50.9	-51.0	[0.00] mg/L	12:06:30
1	Be 313.107†	-480.3	-482.0	[0.00] mg/L	12:06:20
1	Ca 315.887†	216.4	217.2	[0.00] mg/L	12:06:20
1	Cd 228.802†	62.3	62.5	[0.00] mg/L	12:06:30
1	Co 228.616†	-59.1	-59.3	[0.00] mg/L	12:06:30
1	Cr 267.716†	413.2	414.7	[0.00] mg/L	12:06:20
1	Cu 324.752†	1235.3	1239.8	[0.00] mg/L	12:06:20
1	Fe 234.349†	-3.9	-3.9	[0.00] mg/L	12:05:54
1	Fe 238.204†	167.0	167.6	[0.00] mg/L	12:06:30
1	K 766.490†	170.5	171.1	[0.00] mg/L	12:05:44
1	Li 670.784†	-164.3	-164.9	[0.00] mg/L	12:05:44
1	Mg 279.077†	146.4	146.9	[0.00] mg/L	12:06:20
1	Mn 257.610†	1113.0	1117.1	[0.00] mg/L	12:06:30
1	Mo 202.031†	20.8	20.8	[0.00] mg/L	12:06:30
1	Na 589.592†	166.9	167.5	[0.00] mg/L	12:05:44
1	Ni 231.604†	-22.0	-22.0	[0.00] mg/L	12:06:30
1	P 214.914†	348.4	349.7	[0.00] mg/L	12:06:30
1	Pb 220.353†	70.3	70.5	[0.00] mg/L	12:06:30
1	Sb 206.836†	36.8	37.0	[0.00] mg/L	12:06:30
1	Se 196.026†	0.9	0.9	[0.00] mg/L	12:06:30
1	Sn 189.927†	0.8	0.8	[0.00] mg/L	12:06:30
1	Sr 407.771†	138.5	139.0	[0.00] mg/L	12:05:44
1	Ti 337.279†	-406.7	-408.2	[0.00] mg/L	12:06:20
1	Tl 190.801†	-0.6	-0.6	[0.00] mg/L	12:06:30
1	V 292.402†	-666.1	-668.5	[0.00] mg/L	12:06:20
1	Zn 213.857†	804.9	807.9	[0.00] mg/L	12:06:30
2	Y 371.029	2485992.5	2485992.5	1.00 mg/L	12:06:33
2	Ag 328.068†	1374.8	1369.8	[0.00] mg/L	12:06:35
2	Al 237.313†	-120.4	-120.0	[0.00] mg/L	12:06:45
2	As 188.979†	3.5	3.5	[0.00] mg/L	12:06:45
2	B 182.528†	0.7	0.7	[0.00] mg/L	12:06:45
2	B 249.677†	2.0	2.0	[0.00] mg/L	12:06:14
2	Ba 233.527†	-58.0	-57.8	[0.00] mg/L	12:06:45
2	Be 313.107†	-551.7	-549.7	[0.00] mg/L	12:06:35
2	Ca 315.887†	86.7	86.4	[0.00] mg/L	12:06:35
2	Cd 228.802†	63.4	63.1	[0.00] mg/L	12:06:45
2	Co 228.616†	-70.7	-70.4	[0.00] mg/L	12:06:45
2	Cr 267.716†	403.5	402.0	[0.00] mg/L	12:06:35
2	Cu 324.752†	1231.1	1226.7	[0.00] mg/L	12:06:35
2	Fe 234.349†	-7.6	-7.6	[0.00] mg/L	12:06:14
2	Fe 238.204†	146.3	145.8	[0.00] mg/L	12:06:45
2	K 766.490†	166.9	166.3	[0.00] mg/L	12:06:04
2	Li 670.784†	-186.7	-186.0	[0.00] mg/L	12:06:04
2	Mg 279.077†	123.3	122.9	[0.00] mg/L	12:06:35
2	Mn 257.610†	1223.8	1219.3	[0.00] mg/L	12:06:45

2	Mo 202.031†	33.5	33.4	[0.00]	mg/L	12:06:45
2	Na 589.592†	134.2	133.7	[0.00]	mg/L	12:06:04
2	Ni 231.604†	-15.6	-15.6	[0.00]	mg/L	12:06:45
2	P 214.914†	337.0	335.7	[0.00]	mg/L	12:06:45
2	Pb 220.353†	45.9	45.7	[0.00]	mg/L	12:06:45
2	Sb 206.836†	36.8	36.6	[0.00]	mg/L	12:06:45
2	Se 196.026†	-0.8	-0.8	[0.00]	mg/L	12:06:45
2	Sn 189.927†	4.9	4.9	[0.00]	mg/L	12:06:45
2	Sr 407.771†	123.3	122.9	[0.00]	mg/L	12:06:04
2	Ti 337.279†	-511.9	-510.1	[0.00]	mg/L	12:06:35
2	Tl 190.801†	4.7	4.6	[0.00]	mg/L	12:06:45
2	V 292.402†	-700.2	-697.6	[0.00]	mg/L	12:06:35
2	Zn 213.857†	797.3	794.5	[0.00]	mg/L	12:06:45

Mean Data: CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	2477006.0	12708.84	0.51%	1.00	mg/L
Ag 328.068†	1384.2	20.32	1.47%	[0.00]	mg/L
Al 237.313†	-127.5	10.66	8.36%	[0.00]	mg/L
As 188.979†	3.0	0.67	22.34%	[0.00]	mg/L
B 182.528†	2.6	2.78	105.47%	[0.00]	mg/L
B 249.677†	4.2	3.01	72.36%	[0.00]	mg/L
Ba 233.527†	-54.4	4.76	8.75%	[0.00]	mg/L
Be 313.107†	-515.8	47.83	9.27%	[0.00]	mg/L
Ca 315.887†	151.8	92.49	60.95%	[0.00]	mg/L
Cd 228.802†	62.8	0.43	0.68%	[0.00]	mg/L
Co 228.616†	-64.9	7.87	12.13%	[0.00]	mg/L
Cr 267.716†	408.4	8.95	2.19%	[0.00]	mg/L
Cu 324.752†	1233.2	9.30	0.75%	[0.00]	mg/L
Fe 234.349†	-5.8	2.61	45.47%	[0.00]	mg/L
Fe 238.204†	156.7	15.45	9.86%	[0.00]	mg/L
K 766.490†	168.7	3.37	2.00%	[0.00]	mg/L
Li 670.784†	-175.5	14.93	8.51%	[0.00]	mg/L
Mg 279.077†	134.9	16.98	12.59%	[0.00]	mg/L
Mn 257.610†	1168.2	72.31	6.19%	[0.00]	mg/L
Mo 202.031†	27.1	8.87	32.72%	[0.00]	mg/L
Na 589.592†	150.6	23.88	15.86%	[0.00]	mg/L
Ni 231.604†	-18.8	4.58	24.37%	[0.00]	mg/L
P 214.914†	342.7	9.86	2.88%	[0.00]	mg/L
Pb 220.353†	58.1	17.52	30.13%	[0.00]	mg/L
Sb 206.836†	36.8	0.25	0.67%	[0.00]	mg/L
Se 196.026†	0.1	1.19	>999.9%	[0.00]	mg/L
Sn 189.927†	2.9	2.85	99.63%	[0.00]	mg/L
Sr 407.771†	131.0	11.41	8.71%	[0.00]	mg/L
Ti 337.279†	-459.1	72.05	15.69%	[0.00]	mg/L
Tl 190.801†	2.0	3.73	186.27%	[0.00]	mg/L
V 292.402†	-683.1	20.59	3.01%	[0.00]	mg/L
Zn 213.857†	801.2	9.48	1.18%	[0.00]	mg/L

=====

Sequence No.: 2	Autosampler Location: 2
Sample ID: CAL2	Date Collected: 10/6/2012 12:08:27 PM
Analyst:	Data Type: Reprocessed on 10/6/2012 1:22:44 PM
Logged In Analyst (Original) : ICP3	
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 371.029	2506245.6	2506245.6	1.01	mg/L	12:10:35
1	Ag 328.068†	7694.6	6220.6	[0.0500]	mg/L	12:10:38
1	Al 237.313†	3994.7	4075.6	[0.5000]	mg/L	12:10:48
1	As 188.979†	81.1	77.1	[0.1000]	mg/L	12:10:48
1	B 182.528†	48.7	45.5	[0.1000]	mg/L	12:10:48
1	B 249.677†	177.6	171.4	[0.1000]	mg/L	12:10:19
1	Ba 233.527†	7636.9	7602.2	[0.1000]	mg/L	12:10:38
1	Be 313.107†	17012.6	17330.0	[0.0100]	mg/L	12:10:38
1	Ca 315.887†	113228.1	111755.4	[1.0000]	mg/L	12:10:38
1	Cd 228.802†	1531.5	1450.8	[0.0500]	mg/L	12:10:48

1	Co 228.616†	4244.7	4260.1	[0.1000]	mg/L	12:10:48
1	Cr 267.716†	10085.8	9559.8	[0.1000]	mg/L	12:10:38
1	Cu 324.752†	20356.6	18885.9	[0.1000]	mg/L	12:10:38
1	Fe 234.349†	570.5	569.6	[0.5000]	mg/L	12:10:19
1	Fe 238.204†	63531.4	62633.5	[0.5000]	mg/L	12:10:38
1	K 766.490†	9491.8	9212.4	[5.0000]	mg/L	12:10:09
1	Li 670.784†	3190.5	3328.7	[0.1000]	mg/L	12:10:09
1	Mg 279.077†	12380.8	12101.5	[1.0000]	mg/L	12:10:38
1	Mn 257.610†	61685.5	59797.6	[0.1000]	mg/L	12:10:38
1	Mo 202.031†	1996.7	1946.2	[0.1000]	mg/L	12:10:48
1	Na 589.592†	31364.5	30848.0	[5.0000]	mg/L	12:10:09
1	Ni 231.604†	3010.2	2993.9	[0.1000]	mg/L	12:10:38
1	P 214.914†	2037.7	1671.2	[1.0000]	mg/L	12:10:48
1	Pb 220.353†	1322.7	1249.1	[0.1000]	mg/L	12:10:48
1	Sb 206.836†	158.8	120.1	[0.1000]	mg/L	12:10:48
1	Se 196.026†	212.2	209.6	[0.2000]	mg/L	12:10:48
1	Sn 189.927†	480.7	472.2	[0.1000]	mg/L	12:10:48
1	Sr 407.771†	9611.9	9368.8	[0.0100]	mg/L	12:10:09
1	Ti 337.279†	73414.9	73017.6	[0.1000]	mg/L	12:10:38
1	Tl 190.801†	156.6	152.8	[0.1000]	mg/L	12:10:48
1	V 292.402†	16006.8	16503.1	[0.1000]	mg/L	12:10:38
1	Zn 213.857†	10512.7	9588.9	[0.1000]	mg/L	12:10:38
2	Y 371.029	2483525.1	2483525.1	1.00	mg/L	12:10:50
2	Ag 328.068†	7548.6	6144.5	[0.0500]	mg/L	12:10:52
2	Al 237.313†	3895.3	4012.6	[0.5000]	mg/L	12:11:03
2	As 188.979†	82.3	79.1	[0.1000]	mg/L	12:11:03
2	B 182.528†	52.9	50.1	[0.1000]	mg/L	12:11:03
2	B 249.677†	178.9	174.3	[0.1000]	mg/L	12:10:32
2	Ba 233.527†	7433.6	7468.5	[0.1000]	mg/L	12:10:52
2	Be 313.107†	16703.6	17175.6	[0.0100]	mg/L	12:10:52
2	Ca 315.887†	111042.2	110599.0	[1.0000]	mg/L	12:10:52
2	Cd 228.802†	1513.6	1446.8	[0.0500]	mg/L	12:11:03
2	Co 228.616†	4171.7	4225.6	[0.1000]	mg/L	12:11:03
2	Cr 267.716†	9891.5	9457.2	[0.1000]	mg/L	12:10:52
2	Cu 324.752†	19888.5	18603.1	[0.1000]	mg/L	12:10:52
2	Fe 234.349†	566.7	571.0	[0.5000]	mg/L	12:10:32
2	Fe 238.204†	62161.7	61841.8	[0.5000]	mg/L	12:10:52
2	K 766.490†	9123.4	8930.7	[5.0000]	mg/L	12:10:22
2	Li 670.784†	3000.7	3168.3	[0.1000]	mg/L	12:10:22
2	Mg 279.077†	12066.9	11900.3	[1.0000]	mg/L	12:10:52
2	Mn 257.610†	60425.6	59098.8	[0.1000]	mg/L	12:10:52
2	Mo 202.031†	1922.4	1890.2	[0.1000]	mg/L	12:11:03
2	Na 589.592†	30275.8	30045.8	[5.0000]	mg/L	12:10:22
2	Ni 231.604†	2962.9	2973.9	[0.1000]	mg/L	12:10:52
2	P 214.914†	1999.4	1651.4	[1.0000]	mg/L	12:11:03
2	Pb 220.353†	1309.7	1248.1	[0.1000]	mg/L	12:11:03
2	Sb 206.836†	161.4	124.1	[0.1000]	mg/L	12:11:03
2	Se 196.026†	216.3	215.7	[0.2000]	mg/L	12:11:03
2	Sn 189.927†	464.9	460.8	[0.1000]	mg/L	12:11:03
2	Sr 407.771†	9172.8	9017.8	[0.0100]	mg/L	12:10:22
2	Ti 337.279†	71958.8	72229.1	[0.1000]	mg/L	12:10:52
2	Tl 190.801†	159.1	156.7	[0.1000]	mg/L	12:11:03
2	V 292.402†	15770.3	16412.0	[0.1000]	mg/L	12:10:52
2	Zn 213.857†	10390.5	9562.1	[0.1000]	mg/L	12:10:52

Mean Data: CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	2494885.3	16065.82	0.64%	1.01	mg/L
Ag 328.068†	6182.6	53.78	0.87%	[0.0500]	mg/L
Al 237.313†	4044.1	44.55	1.10%	[0.5000]	mg/L
As 188.979†	78.1	1.43	1.82%	[0.1000]	mg/L
B 182.528†	47.8	3.26	6.83%	[0.1000]	mg/L
B 249.677†	172.8	2.07	1.20%	[0.1000]	mg/L
Ba 233.527†	7535.4	94.53	1.25%	[0.1000]	mg/L
Be 313.107†	17252.8	109.17	0.63%	[0.0100]	mg/L
Ca 315.887†	111177.2	817.69	0.74%	[1.0000]	mg/L
Cd 228.802†	1448.8	2.82	0.19%	[0.0500]	mg/L
Co 228.616†	4242.9	24.37	0.57%	[0.1000]	mg/L
Cr 267.716†	9508.5	72.56	0.76%	[0.1000]	mg/L
Cu 324.752†	18744.5	199.97	1.07%	[0.1000]	mg/L
Fe 234.349†	570.3	0.99	0.17%	[0.5000]	mg/L

Fe 238.204†	62237.6	559.83	0.90%	[0.5000]	mg/L
K 766.490†	9071.5	199.14	2.20%	[5.0000]	mg/L
Li 670.784†	3248.5	113.42	3.49%	[0.1000]	mg/L
Mg 279.077†	12000.9	142.26	1.19%	[1.0000]	mg/L
Mn 257.610†	59448.2	494.11	0.83%	[0.1000]	mg/L
Mo 202.031†	1918.2	39.60	2.06%	[0.1000]	mg/L
Na 589.592†	30446.9	567.25	1.86%	[5.0000]	mg/L
Ni 231.604†	2983.9	14.12	0.47%	[0.1000]	mg/L
P 214.914†	1661.3	13.96	0.84%	[1.0000]	mg/L
Pb 220.353†	1248.6	0.71	0.06%	[0.1000]	mg/L
Sb 206.836†	122.1	2.83	2.32%	[0.1000]	mg/L
Se 196.026†	212.6	4.26	2.01%	[0.2000]	mg/L
Sn 189.927†	466.5	8.10	1.74%	[0.1000]	mg/L
Sr 407.771†	9193.3	248.19	2.70%	[0.0100]	mg/L
Ti 337.279†	72623.3	557.56	0.77%	[0.1000]	mg/L
Tl 190.801†	154.8	2.77	1.79%	[0.1000]	mg/L
V 292.402†	16457.5	64.44	0.39%	[0.1000]	mg/L
Zn 213.857†	9575.5	18.97	0.20%	[0.1000]	mg/L

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Sequence No.: 3                               Autosampler Location: 3
Sample ID: CAL3                               Date Collected: 10/6/2012 12:12:40 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:45 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Y 371.029	2520809.4	2520809.4	1.02 mg/L	12:14:49
1	Ag 328.068†	31486.3	29555.0	[0.2500] mg/L	12:14:51
1	Al 237.313†	19474.7	19263.8	[2.5000] mg/L	12:14:51
1	As 188.979†	413.6	403.4	[0.5000] mg/L	12:15:01
1	B 182.528†	257.1	250.0	[0.5000] mg/L	12:15:01
1	B 249.677†	856.9	837.9	[0.5000] mg/L	12:14:32
1	Ba 233.527†	36650.1	36067.7	[0.5000] mg/L	12:14:51
1	Be 313.107†	84614.7	83660.2	[0.0500] mg/L	12:14:51
1	Ca 315.887†	540649.7	531103.3	[5.0000] mg/L	12:14:49
1	Cd 228.802†	7190.1	7002.4	[0.2500] mg/L	12:15:01
1	Co 228.616†	20182.5	19896.7	[0.5000] mg/L	12:14:51
1	Cr 267.716†	46952.8	45728.6	[0.5000] mg/L	12:14:51
1	Cu 324.752†	92138.2	89303.9	[0.5000] mg/L	12:14:51
1	Fe 234.349†	2893.9	2849.3	[2.5000] mg/L	12:14:32
1	Fe 238.204†	300666.4	295285.1	[2.5000] mg/L	12:14:51
1	K 766.490†	46500.0	45523.2	[25.000] mg/L	12:14:22
1	Li 670.784†	16299.0	16191.2	[0.5000] mg/L	12:14:22
1	Mg 279.077†	58277.6	57130.0	[5.0000] mg/L	12:14:51
1	Mn 257.610†	290305.7	284092.9	[0.5000] mg/L	12:14:51
1	Mo 202.031†	9537.0	9344.2	[0.5000] mg/L	12:15:01
1	Na 589.592†	154175.9	151346.3	[25.000] mg/L	12:14:22
1	Ni 231.604†	14519.3	14285.8	[0.5000] mg/L	12:14:51
1	P 214.914†	8723.4	8229.1	[5.0000] mg/L	12:15:01
1	Pb 220.353†	6013.3	5850.7	[0.5000] mg/L	12:15:01
1	Sb 206.836†	638.8	590.9	[0.5000] mg/L	12:15:01
1	Se 196.026†	1046.7	1028.4	[1.0000] mg/L	12:15:01
1	Sn 189.927†	2269.2	2226.9	[0.5000] mg/L	12:15:01
1	Sr 407.771†	47681.5	46722.0	[0.0500] mg/L	12:14:22
1	Ti 337.279†	360412.0	354608.4	[0.5000] mg/L	12:14:51
1	Tl 190.801†	744.1	729.1	[0.5000] mg/L	12:15:01
1	V 292.402†	80875.1	80152.8	[0.5000] mg/L	12:14:51
1	Zn 213.857†	47874.3	46241.3	[0.5000] mg/L	12:14:51
2	Y 371.029	2528285.7	2528285.7	1.02 mg/L	12:15:04
2	Ag 328.068†	31864.0	29833.5	[0.2500] mg/L	12:15:06
2	Al 237.313†	19698.6	19426.5	[2.5000] mg/L	12:15:06
2	As 188.979†	404.2	393.0	[0.5000] mg/L	12:15:16
2	B 182.528†	256.5	248.7	[0.5000] mg/L	12:15:16
2	B 249.677†	854.6	833.1	[0.5000] mg/L	12:14:45
2	Ba 233.527†	37103.6	36405.5	[0.5000] mg/L	12:15:06
2	Be 313.107†	85761.7	84538.1	[0.0500] mg/L	12:15:06
2	Ca 315.887†	540012.6	528908.1	[5.0000] mg/L	12:15:04
2	Cd 228.802†	7191.5	6982.8	[0.2500] mg/L	12:15:16

2	Co 228.616†	20390.9	20042.2	[0.5000]	mg/L	12:15:06
2	Cr 267.716†	47707.3	46331.3	[0.5000]	mg/L	12:15:06
2	Cu 324.752†	93535.1	90404.8	[0.5000]	mg/L	12:15:06
2	Fe 234.349†	2876.5	2823.9	[2.5000]	mg/L	12:14:45
2	Fe 238.204†	304853.0	298513.1	[2.5000]	mg/L	12:15:06
2	K 766.490†	45822.7	44724.6	[25.000]	mg/L	12:14:35
2	Li 670.784†	16112.6	15961.3	[0.5000]	mg/L	12:14:35
2	Mg 279.077†	59320.0	57982.0	[5.0000]	mg/L	12:15:06
2	Mn 257.610†	293848.4	286720.3	[0.5000]	mg/L	12:15:06
2	Mo 202.031†	9519.8	9299.6	[0.5000]	mg/L	12:15:16
2	Na 589.592†	152050.6	148816.0	[25.000]	mg/L	12:14:35
2	Ni 231.604†	14653.3	14374.8	[0.5000]	mg/L	12:15:06
2	P 214.914†	8722.6	8203.0	[5.0000]	mg/L	12:15:16
2	Pb 220.353†	6026.8	5846.4	[0.5000]	mg/L	12:15:16
2	Sb 206.836†	647.5	597.5	[0.5000]	mg/L	12:15:16
2	Se 196.026†	1047.2	1025.9	[1.0000]	mg/L	12:15:16
2	Sn 189.927†	2272.4	2223.4	[0.5000]	mg/L	12:15:16
2	Sr 407.771†	46732.5	45653.7	[0.0500]	mg/L	12:14:35
2	Ti 337.279†	365962.6	358999.1	[0.5000]	mg/L	12:15:06
2	Tl 190.801†	738.6	721.6	[0.5000]	mg/L	12:15:16
2	V 292.402†	81949.9	80970.8	[0.5000]	mg/L	12:15:06
2	Zn 213.857†	48550.3	46764.4	[0.5000]	mg/L	12:15:06

Mean Data: CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Y 371.029	2524547.6	5286.49	0.21%	1.02	mg/L	
Ag 328.068†	29694.2	196.96	0.66%	[0.2500]	mg/L	
Al 237.313†	19345.2	115.10	0.59%	[2.5000]	mg/L	
As 188.979†	398.2	7.35	1.85%	[0.5000]	mg/L	
B 182.528†	249.3	0.91	0.37%	[0.5000]	mg/L	
B 249.677†	835.5	3.37	0.40%	[0.5000]	mg/L	
Ba 233.527†	36236.6	238.85	0.66%	[0.5000]	mg/L	
Be 313.107†	84099.2	620.74	0.74%	[0.0500]	mg/L	
Ca 315.887†	530005.7	1552.22	0.29%	[5.0000]	mg/L	
Cd 228.802†	6992.6	13.82	0.20%	[0.2500]	mg/L	
Co 228.616†	19969.5	102.90	0.52%	[0.5000]	mg/L	
Cr 267.716†	46029.9	426.19	0.93%	[0.5000]	mg/L	
Cu 324.752†	89854.4	778.44	0.87%	[0.5000]	mg/L	
Fe 234.349†	2836.6	17.99	0.63%	[2.5000]	mg/L	
Fe 238.204†	296899.1	2282.54	0.77%	[2.5000]	mg/L	
K 766.490†	45123.9	564.72	1.25%	[25.000]	mg/L	
Li 670.784†	16076.3	162.56	1.01%	[0.5000]	mg/L	
Mg 279.077†	57556.0	602.40	1.05%	[5.0000]	mg/L	
Mn 257.610†	285406.6	1857.80	0.65%	[0.5000]	mg/L	
Mo 202.031†	9321.9	31.51	0.34%	[0.5000]	mg/L	
Na 589.592†	150081.2	1789.15	1.19%	[25.000]	mg/L	
Ni 231.604†	14330.3	63.00	0.44%	[0.5000]	mg/L	
P 214.914†	8216.1	18.46	0.22%	[5.0000]	mg/L	
Pb 220.353†	5848.5	3.01	0.05%	[0.5000]	mg/L	
Sb 206.836†	594.2	4.69	0.79%	[0.5000]	mg/L	
Se 196.026†	1027.2	1.79	0.17%	[1.0000]	mg/L	
Sn 189.927†	2225.1	2.46	0.11%	[0.5000]	mg/L	
Sr 407.771†	46187.8	755.35	1.64%	[0.0500]	mg/L	
Ti 337.279†	356803.8	3104.73	0.87%	[0.5000]	mg/L	
Tl 190.801†	725.4	5.31	0.73%	[0.5000]	mg/L	
V 292.402†	80561.8	578.41	0.72%	[0.5000]	mg/L	
Zn 213.857†	46502.9	369.95	0.80%	[0.5000]	mg/L	

Sequence No.: 4

Sample ID: CAL4

Analyst:

Logged In Analyst (Original) : ICP3

Initial Sample Wt:

Dilution:

Autosampler Location: 4

Date Collected: 10/6/2012 12:16:55 PM

Data Type: Reprocessed on 10/6/2012 1:22:45 PM

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Analysis Time
1	Y 371.029	2446299.3	2446299.3	0.988	mg/L	12:18:47

1	Ag 328.068†	59505.2	58868.0	[0.5000]	mg/L	12:18:47
1	Al 237.313†	38234.3	38841.7	[5.0000]	mg/L	12:18:47
1	As 188.979†	792.0	798.9	[1.0000]	mg/L	12:18:58
1	B 182.528†	506.1	509.8	[1.0000]	mg/L	12:18:58
1	B 249.677†	1727.8	1745.3	[1.0000]	mg/L	12:18:37
1	Ba 233.527†	71559.4	72512.0	[1.0000]	mg/L	12:18:47
1	Be 313.107†	165441.3	168033.9	[0.1000]	mg/L	12:18:47
1	Ca 315.887†	1052931.6	1065996.6	[10.000]	mg/L	12:18:47
1	Cd 228.802†	13996.6	14109.4	[0.5000]	mg/L	12:18:58
1	Co 228.616†	39489.4	40050.0	[1.0000]	mg/L	12:18:47
1	Cr 267.716†	90341.6	91067.3	[1.0000]	mg/L	12:18:47
1	Cu 324.752†	177253.0	178244.7	[1.0000]	mg/L	12:18:47
1	Fe 234.349†	5841.3	5920.3	[5.0000]	mg/L	12:18:37
1	Fe 238.204†	586861.9	594071.6	[5.0000]	mg/L	12:18:47
1	K 766.490†	91257.9	92234.6	[50.000]	mg/L	12:18:35
1	Li 670.784†	32069.9	32647.9	[1.0000]	mg/L	12:18:37
1	Mg 279.077†	112545.2	113823.0	[10.000]	mg/L	12:18:47
1	Mn 257.610†	561621.6	567503.0	[1.0000]	mg/L	12:18:47
1	Mo 202.031†	18545.3	18751.0	[1.0000]	mg/L	12:18:58
1	Na 589.592†	299624.4	303234.8	[50.000]	mg/L	12:18:35
1	Ni 231.604†	27944.3	28313.9	[1.0000]	mg/L	12:18:47
1	P 214.914†	16897.7	16767.1	[10.000]	mg/L	12:18:58
1	Pb 220.353†	11524.9	11611.4	[1.0000]	mg/L	12:18:58
1	Sb 206.836†	1207.3	1185.6	[1.0000]	mg/L	12:18:58
1	Se 196.026†	2035.6	2061.0	[2.0000]	mg/L	12:18:58
1	Sn 189.927†	4364.7	4416.6	[1.0000]	mg/L	12:18:58
1	Sr 407.771†	93452.2	94494.3	[0.1000]	mg/L	12:18:35
1	Ti 337.279†	698796.6	708027.2	[1.0000]	mg/L	12:18:47
1	Tl 190.801†	1418.6	1434.4	[1.0000]	mg/L	12:18:58
1	V 292.402†	157335.3	159993.3	[1.0000]	mg/L	12:18:47
1	Zn 213.857†	92962.4	93328.1	[1.0000]	mg/L	12:18:47
2	Y 371.029	2436527.3	2436527.3	0.984	mg/L	12:19:01
2	Ag 328.068†	59273.4	58873.9	[0.5000]	mg/L	12:19:01
2	Al 237.313†	38035.0	38794.4	[5.0000]	mg/L	12:19:01
2	As 188.979†	792.7	802.9	[1.0000]	mg/L	12:19:12
2	B 182.528†	508.0	513.8	[1.0000]	mg/L	12:19:12
2	B 249.677†	1675.9	1699.6	[1.0000]	mg/L	12:18:42
2	Ba 233.527†	71052.9	72287.7	[1.0000]	mg/L	12:19:01
2	Be 313.107†	163952.9	167192.5	[0.1000]	mg/L	12:19:01
2	Ca 315.887†	1045181.4	1062393.5	[10.000]	mg/L	12:19:01
2	Cd 228.802†	14004.1	14173.9	[0.5000]	mg/L	12:19:12
2	Co 228.616†	39134.3	39849.4	[1.0000]	mg/L	12:19:01
2	Cr 267.716†	89681.5	90763.0	[1.0000]	mg/L	12:19:01
2	Cu 324.752†	175881.4	177570.2	[1.0000]	mg/L	12:19:01
2	Fe 234.349†	5659.5	5759.3	[5.0000]	mg/L	12:18:42
2	Fe 238.204†	582289.7	591806.8	[5.0000]	mg/L	12:19:01
2	K 766.490†	92543.5	93912.3	[50.000]	mg/L	12:18:40
2	Li 670.784†	31449.3	32147.2	[1.0000]	mg/L	12:18:42
2	Mg 279.077†	111598.8	113317.9	[10.000]	mg/L	12:19:01
2	Mn 257.610†	557594.1	565689.3	[1.0000]	mg/L	12:19:01
2	Mo 202.031†	18539.4	18820.3	[1.0000]	mg/L	12:19:12
2	Na 589.592†	304009.4	308909.4	[50.000]	mg/L	12:18:40
2	Ni 231.604†	27733.5	28213.0	[1.0000]	mg/L	12:19:01
2	P 214.914†	16956.0	16895.0	[10.000]	mg/L	12:19:12
2	Pb 220.353†	11502.8	11635.8	[1.0000]	mg/L	12:19:12
2	Sb 206.836†	1209.0	1192.3	[1.0000]	mg/L	12:19:12
2	Se 196.026†	2037.7	2071.5	[2.0000]	mg/L	12:19:12
2	Sn 189.927†	4379.1	4449.0	[1.0000]	mg/L	12:19:12
2	Sr 407.771†	94862.6	96307.6	[0.1000]	mg/L	12:18:40
2	Ti 337.279†	694171.6	706163.3	[1.0000]	mg/L	12:19:01
2	Tl 190.801†	1415.2	1436.7	[1.0000]	mg/L	12:19:12
2	V 292.402†	156221.4	159499.8	[1.0000]	mg/L	12:19:01
2	Zn 213.857†	92240.7	92971.9	[1.0000]	mg/L	12:19:01

Mean Data: CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	2441413.3	6909.85	0.28%	0.986	mg/L
Ag 328.068†	58870.9	4.23	0.01%	[0.5000]	mg/L
Al 237.313†	38818.1	33.47	0.09%	[5.0000]	mg/L
As 188.979†	800.9	2.81	0.35%	[1.0000]	mg/L
B 182.528†	511.8	2.84	0.55%	[1.0000]	mg/L

B 249.677†	1722.5	32.36	1.88%	[1.0000]	mg/L
Ba 233.527†	72399.9	158.59	0.22%	[1.0000]	mg/L
Be 313.107†	167613.2	594.93	0.35%	[0.1000]	mg/L
Ca 315.887†	1064195.1	2547.74	0.24%	[10.000]	mg/L
Cd 228.802†	14141.7	45.62	0.32%	[0.5000]	mg/L
Co 228.616†	39949.7	141.85	0.36%	[1.0000]	mg/L
Cr 267.716†	90915.1	215.12	0.24%	[1.0000]	mg/L
Cu 324.752†	177907.4	476.93	0.27%	[1.0000]	mg/L
Fe 234.349†	5839.8	113.91	1.95%	[5.0000]	mg/L
Fe 238.204†	592939.2	1601.51	0.27%	[5.0000]	mg/L
K 766.490†	93073.5	1186.26	1.27%	[50.000]	mg/L
Li 670.784†	32397.6	354.03	1.09%	[1.0000]	mg/L
Mg 279.077†	113570.5	357.20	0.31%	[10.000]	mg/L
Mn 257.610†	566596.2	1282.46	0.23%	[1.0000]	mg/L
Mo 202.031†	18785.7	49.01	0.26%	[1.0000]	mg/L
Na 589.592†	306072.1	4012.52	1.31%	[50.000]	mg/L
Ni 231.604†	28263.5	71.32	0.25%	[1.0000]	mg/L
P 214.914†	16831.1	90.43	0.54%	[10.000]	mg/L
Pb 220.353†	11623.6	17.21	0.15%	[1.0000]	mg/L
Sb 206.836†	1189.0	4.73	0.40%	[1.0000]	mg/L
Se 196.026†	2066.3	7.40	0.36%	[2.0000]	mg/L
Sn 189.927†	4432.8	22.86	0.52%	[1.0000]	mg/L
Sr 407.771†	95401.0	1282.19	1.34%	[0.1000]	mg/L
Ti 337.279†	707095.2	1318.03	0.19%	[1.0000]	mg/L
Tl 190.801†	1435.6	1.65	0.12%	[1.0000]	mg/L
V 292.402†	159746.6	348.93	0.22%	[1.0000]	mg/L
Zn 213.857†	93150.0	251.87	0.27%	[1.0000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	179.1	117500	0.00000	0.999983	
Al 237.313	3	Lin, Calc Int	60.1	7746	0.00000	0.999988	
As 188.979	3	Lin, Calc Int	-1.3	801.5	0.00000	0.999995	
B 182.528	3	Lin, Calc Int	-2.7	512.4	0.00000	0.999908	
B 249.677	3	Lin, Calc Int	-4.5	1718	0.00000	0.999865	
Ba 233.527	3	Lin, Calc Int	137.8	72260	0.00000	0.999992	
Be 313.107	3	Lin, Calc Int	272.3	1674000	0.00000	0.999996	
Ca 315.887	3	Lin, Calc Int	1722.2	106200	0.00000	0.999985	
Cd 228.802	3	Lin, Calc Int	0.9	28220	0.00000	0.999974	
Co 228.616	3	Lin, Calc Int	109.0	39830	0.00000	0.999981	
Cr 267.716	3	Lin, Calc Int	291.1	90810	0.00000	0.999976	
Cu 324.752	3	Lin, Calc Int	590.1	177600	0.00000	0.999980	
Fe 234.349	3	Lin, Calc Int	-21.5	1167	0.00000	0.999888	
Fe 238.204	3	Lin, Calc Int	1385.3	118300	0.00000	0.999989	
K 766.490	3	Lin, Calc Int	-366.6	1859	0.00000	0.999873	
Li 670.784	3	Lin, Calc Int	-18.9	32370	0.00000	0.999991	
Mg 279.077	3	Lin, Calc Int	428.5	11340	0.00000	0.999969	
Mn 257.610	3	Lin, Calc Int	1628.0	565600	0.00000	0.999986	
Mo 202.031	3	Lin, Calc Int	4.4	18760	0.00000	0.999987	
Na 589.592	3	Lin, Calc Int	-619.2	6113	0.00000	0.999946	
Ni 231.604	3	Lin, Calc Int	106.7	28220	0.00000	0.999968	
P 214.914	3	Lin, Calc Int	-46.7	1681	0.00000	0.999921	
Pb 220.353	3	Lin, Calc Int	45.1	11590	0.00000	0.999975	
Sb 206.836	3	Lin, Calc Int	1.4	1187	0.00000	0.999996	
Se 196.026	3	Lin, Calc Int	1.6	1031	0.00000	0.999988	
Sn 189.927	3	Lin, Calc Int	11.9	4423	0.00000	0.999988	
Sr 407.771	3	Lin, Calc Int	-434.4	953200	0.00000	0.999863	
Ti 337.279	3	Lin, Calc Int	1452.8	706700	0.00000	0.999988	
Tl 190.801	3	Lin, Calc Int	6.4	1431	0.00000	0.999967	
V 292.402	3	Lin, Calc Int	341.9	159600	0.00000	0.999989	
Zn 213.857	3	Lin, Calc Int	102.2	93010	0.00000	0.999995	

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Sequence No.: 5	Autosampler Location: 3
Sample ID: ICV1	Date Collected: 10/6/2012 12:20:50 PM
Analyst:	Data Type: Reprocessed on 10/6/2012 1:22:46 PM
Logged In Analyst (Original) : ICP3	
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: ICV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 371.029	2517339.0	2517339.0	1.02	mg/L			12:23:00
1	Ag 328.068†	32043.6	30146.0	0.2552	mg/L	0.2552	mg/L	12:23:02
1	Al 237.313†	19978.6	19786.0	2.552	mg/L	2.552	mg/L	12:23:02
1	As 188.979†	411.4	401.9	0.5032	mg/L	0.5032	mg/L	12:23:12
1	B 182.528†	260.6	253.8	0.5006	mg/L	0.5006	mg/L	12:23:12
1	B 249.677†	866.5	848.5	0.4956	mg/L	0.4956	mg/L	12:22:43
1	Ba 233.527†	37422.6	36877.4	0.5081	mg/L	0.5081	mg/L	12:23:02
1	Be 313.107†	86270.9	85404.5	0.0509	mg/L	0.0509	mg/L	12:23:02
1	Ca 315.887†	543117.4	534263.8	5.019	mg/L	5.019	mg/L	12:23:00
1	Cd 228.802†	7185.6	7007.7	0.2460	mg/L	0.2460	mg/L	12:23:12
1	Co 228.616†	20659.6	20393.5	0.5086	mg/L	0.5086	mg/L	12:23:02
1	Cr 267.716†	47806.7	46632.4	0.5109	mg/L	0.5109	mg/L	12:23:02
1	Cu 324.752†	94225.8	91482.8	0.5122	mg/L	0.5122	mg/L	12:23:02
1	Fe 234.349†	2873.5	2833.2	2.435	mg/L	2.435	mg/L	12:22:43
1	Fe 238.204†	307326.4	302245.7	2.544	mg/L	2.544	mg/L	12:23:02
1	K 766.490†	46264.9	45354.9	24.59	mg/L	24.59	mg/L	12:22:33
1	Li 670.784†	16151.8	16068.5	0.4969	mg/L	0.4969	mg/L	12:22:33
1	Mg 279.077†	59708.8	58617.2	5.134	mg/L	5.134	mg/L	12:23:02
1	Mn 257.610†	296772.0	290848.9	0.5115	mg/L	0.5115	mg/L	12:23:02
1	Mo 202.031†	9518.1	9338.5	0.4965	mg/L	0.4965	mg/L	12:23:12
1	Na 589.592†	152825.6	150226.4	24.67	mg/L	24.67	mg/L	12:22:33
1	Ni 231.604†	14760.4	14542.7	0.5124	mg/L	0.5124	mg/L	12:23:02
1	P 214.914†	8681.8	8200.0	4.899	mg/L	4.899	mg/L	12:23:12
1	Pb 220.353†	5993.1	5838.9	0.4983	mg/L	0.4983	mg/L	12:23:12
1	Sb 206.836†	641.5	594.4	0.4989	mg/L	0.4989	mg/L	12:23:12
1	Se 196.026†	1039.1	1022.3	0.9909	mg/L	0.9909	mg/L	12:23:12
1	Sn 189.927†	2253.9	2214.9	0.5052	mg/L	0.5052	mg/L	12:23:12
1	Sr 407.771†	47119.0	46233.1	0.0490	mg/L	0.0490	mg/L	12:22:33
1	Ti 337.279†	368440.1	362996.1	0.5116	mg/L	0.5116	mg/L	12:23:02
1	Tl 190.801†	735.3	721.5	0.4944	mg/L	0.4944	mg/L	12:23:12
1	V 292.402†	82519.6	81880.6	0.5166	mg/L	0.5166	mg/L	12:23:02
1	Zn 213.857†	49050.1	47463.1	0.5055	mg/L	0.5055	mg/L	12:23:02
2	Y 371.029	2547366.5	2547366.5	1.03	mg/L			12:23:15
2	Ag 328.068†	31516.8	29262.1	0.2477	mg/L	0.2477	mg/L	12:23:17
2	Al 237.313†	19635.5	19220.7	2.479	mg/L	2.479	mg/L	12:23:17
2	As 188.979†	403.1	388.9	0.4870	mg/L	0.4870	mg/L	12:23:27
2	B 182.528†	260.4	250.6	0.4943	mg/L	0.4943	mg/L	12:23:27
2	B 249.677†	849.8	822.1	0.4803	mg/L	0.4803	mg/L	12:22:56
2	Ba 233.527†	37022.9	36054.7	0.4968	mg/L	0.4968	mg/L	12:23:17
2	Be 313.107†	85177.5	83340.7	0.0497	mg/L	0.0497	mg/L	12:23:17
2	Ca 315.887†	551776.8	536384.5	5.039	mg/L	5.039	mg/L	12:23:15
2	Cd 228.802†	7244.8	6981.9	0.2452	mg/L	0.2452	mg/L	12:23:27
2	Co 228.616†	20287.5	19792.0	0.4935	mg/L	0.4935	mg/L	12:23:17
2	Cr 267.716†	47204.0	45491.8	0.4984	mg/L	0.4984	mg/L	12:23:17
2	Cu 324.752†	92356.8	88572.6	0.4958	mg/L	0.4958	mg/L	12:23:17
2	Fe 234.349†	2833.1	2760.6	2.373	mg/L	2.373	mg/L	12:22:56
2	Fe 238.204†	303034.8	294508.0	2.478	mg/L	2.478	mg/L	12:23:17
2	K 766.490†	45641.2	44211.8	23.98	mg/L	23.98	mg/L	12:22:46
2	Li 670.784†	15930.4	15665.8	0.4845	mg/L	0.4845	mg/L	12:22:46
2	Mg 279.077†	58789.3	57030.6	4.994	mg/L	4.994	mg/L	12:23:17
2	Mn 257.610†	292508.8	283261.2	0.4981	mg/L	0.4981	mg/L	12:23:17
2	Mo 202.031†	9593.3	9301.2	0.4946	mg/L	0.4946	mg/L	12:23:27
2	Na 589.592†	151004.4	146683.0	24.09	mg/L	24.09	mg/L	12:22:46
2	Ni 231.604†	14501.0	14119.3	0.4974	mg/L	0.4974	mg/L	12:23:17
2	P 214.914†	8763.6	8178.9	4.887	mg/L	4.887	mg/L	12:23:27
2	Pb 220.353†	6056.0	5830.6	0.4976	mg/L	0.4976	mg/L	12:23:27
2	Sb 206.836†	633.4	579.1	0.4860	mg/L	0.4860	mg/L	12:23:27
2	Se 196.026†	1056.8	1027.6	0.9960	mg/L	0.9960	mg/L	12:23:27
2	Sn 189.927†	2291.9	2225.8	0.5075	mg/L	0.5075	mg/L	12:23:27
2	Sr 407.771†	46584.7	45167.1	0.0478	mg/L	0.0478	mg/L	12:22:46
2	Ti 337.279†	362147.4	352603.7	0.4969	mg/L	0.4969	mg/L	12:23:17
2	Tl 190.801†	746.5	723.9	0.4962	mg/L	0.4962	mg/L	12:23:27
2	V 292.402†	81478.8	79911.4	0.5042	mg/L	0.5042	mg/L	12:23:17
2	Zn 213.857†	48262.5	46128.3	0.4912	mg/L	0.4912	mg/L	12:23:17

Mean Data: ICV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2532352.8	1.02	mg/L	0.009				0.84%

Ag	328.068†	29704.1	0.2515 mg/L	0.00532	0.2515 mg/L	0.00532	2.12%
	QC value within limits for Ag	328.068	Recovery =	100.59%			
Al	237.313†	19503.3	2.515 mg/L	0.0517	2.515 mg/L	0.0517	2.06%
	QC value within limits for Al	237.313	Recovery =	100.61%			
As	188.979†	395.4	0.4951 mg/L	0.01141	0.4951 mg/L	0.01141	2.30%
	QC value within limits for As	188.979	Recovery =	99.02%			
B	182.528†	252.2	0.4975 mg/L	0.00448	0.4975 mg/L	0.00448	0.90%
	QC value within limits for B	182.528	Recovery =	99.50%			
B	249.677†	835.3	0.4879 mg/L	0.01081	0.4879 mg/L	0.01081	2.21%
	QC value within limits for B	249.677	Recovery =	97.59%			
Ba	233.527†	36466.0	0.5025 mg/L	0.00805	0.5025 mg/L	0.00805	1.60%
	QC value within limits for Ba	233.527	Recovery =	100.49%			
Be	313.107†	84372.6	0.0503 mg/L	0.00087	0.0503 mg/L	0.00087	1.74%
	QC value within limits for Be	313.107	Recovery =	100.57%			
Ca	315.887†	535324.2	5.029 mg/L	0.0141	5.029 mg/L	0.0141	0.28%
	QC value within limits for Ca	315.887	Recovery =	100.59%			
Cd	228.802†	6994.8	0.2456 mg/L	0.00060	0.2456 mg/L	0.00060	0.24%
	QC value within limits for Cd	228.802	Recovery =	98.23%			
Co	228.616†	20092.7	0.5010 mg/L	0.01066	0.5010 mg/L	0.01066	2.13%
	QC value within limits for Co	228.616	Recovery =	100.21%			
Cr	267.716†	46062.1	0.5047 mg/L	0.00888	0.5047 mg/L	0.00888	1.76%
	QC value within limits for Cr	267.716	Recovery =	100.93%			
Cu	324.752†	90027.7	0.5040 mg/L	0.01160	0.5040 mg/L	0.01160	2.30%
	QC value within limits for Cu	324.752	Recovery =	100.80%			
Fe	234.349†	2796.9	2.404 mg/L	0.0439	2.404 mg/L	0.0439	1.82%
	QC value within limits for Fe	234.349	Recovery =	96.17%			
Fe	238.204†	298376.9	2.511 mg/L	0.0463	2.511 mg/L	0.0463	1.84%
	QC value within limits for Fe	238.204	Recovery =	100.43%			
K	766.490†	44783.3	24.28 mg/L	0.435	24.28 mg/L	0.435	1.79%
	QC value within limits for K	766.490	Recovery =	97.14%			
Li	670.784†	15867.2	0.4907 mg/L	0.00880	0.4907 mg/L	0.00880	1.79%
	QC value within limits for Li	670.784	Recovery =	98.14%			
Mg	279.077†	57823.9	5.064 mg/L	0.0990	5.064 mg/L	0.0990	1.95%
	QC value within limits for Mg	279.077	Recovery =	101.27%			
Mn	257.610†	287055.0	0.5048 mg/L	0.00949	0.5048 mg/L	0.00949	1.88%
	QC value within limits for Mn	257.610	Recovery =	100.96%			
Mo	202.031†	9319.8	0.4955 mg/L	0.00138	0.4955 mg/L	0.00138	0.28%
	QC value within limits for Mo	202.031	Recovery =	99.11%			
Na	589.592†	148454.7	24.38 mg/L	0.410	24.38 mg/L	0.410	1.68%
	QC value within limits for Na	589.592	Recovery =	97.54%			
Ni	231.604†	14331.0	0.5049 mg/L	0.01061	0.5049 mg/L	0.01061	2.10%
	QC value within limits for Ni	231.604	Recovery =	100.97%			
P	214.914†	8189.4	4.893 mg/L	0.0088	4.893 mg/L	0.0088	0.18%
	QC value within limits for P	214.914	Recovery =	97.86%			
Pb	220.353†	5834.8	0.4980 mg/L	0.00047	0.4980 mg/L	0.00047	0.09%
	QC value within limits for Pb	220.353	Recovery =	99.59%			
Sb	206.836†	586.8	0.4924 mg/L	0.00909	0.4924 mg/L	0.00909	1.85%
	QC value within limits for Sb	206.836	Recovery =	98.49%			
Se	196.026†	1025.0	0.9935 mg/L	0.00357	0.9935 mg/L	0.00357	0.36%
	QC value within limits for Se	196.026	Recovery =	99.35%			
Sn	189.927†	2220.3	0.5064 mg/L	0.00161	0.5064 mg/L	0.00161	0.32%
	QC value within limits for Sn	189.927	Recovery =	101.27%			
Sr	407.771†	45700.1	0.0484 mg/L	0.00079	0.0484 mg/L	0.00079	1.63%
	QC value within limits for Sr	407.771	Recovery =	96.79%			
Ti	337.279†	357799.9	0.5042 mg/L	0.01040	0.5042 mg/L	0.01040	2.06%
	QC value within limits for Ti	337.279	Recovery =	100.85%			
Tl	190.801†	722.7	0.4953 mg/L	0.00128	0.4953 mg/L	0.00128	0.26%
	QC value within limits for Tl	190.801	Recovery =	99.06%			
V	292.402†	80896.0	0.5104 mg/L	0.00877	0.5104 mg/L	0.00877	1.72%
	QC value within limits for V	292.402	Recovery =	102.08%			
Zn	213.857†	46795.7	0.4983 mg/L	0.01007	0.4983 mg/L	0.01007	2.02%
	QC value within limits for Zn	213.857	Recovery =	99.67%			
All analyte(s) passed QC.							

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Sequence No.: 6                               Autosampler Location: 5
Sample ID: SCV1                               Date Collected: 10/6/2012 12:25:06 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:47 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 371.029	2518983.9	2518983.9	1.02	mg/L			12:27:16
1	Ag 328.068†	32002.2	30084.6	0.2547	mg/L	0.2547	mg/L	12:27:18
1	Al 237.313†	19273.1	19079.4	2.461	mg/L	2.461	mg/L	12:27:18
1	As 188.979†	396.0	386.4	0.4840	mg/L	0.4840	mg/L	12:27:28
1	B 182.528†	258.1	251.2	0.4955	mg/L	0.4955	mg/L	12:27:28
1	B 249.677†	875.1	856.4	0.5002	mg/L	0.5002	mg/L	12:26:59
1	Ba 233.527†	37581.6	37009.7	0.5100	mg/L	0.5100	mg/L	12:27:18
1	Be 313.107†	86540.9	85614.5	0.0510	mg/L	0.0510	mg/L	12:27:18
1	Ca 315.887†	533323.0	524283.6	4.925	mg/L	4.925	mg/L	12:27:16
1	Cd 228.802†	7201.0	7018.2	0.2465	mg/L	0.2465	mg/L	12:27:28
1	Co 228.616†	20632.8	20353.9	0.5077	mg/L	0.5077	mg/L	12:27:18
1	Cr 267.716†	48095.3	46885.5	0.5137	mg/L	0.5137	mg/L	12:27:18
1	Cu 324.752†	94304.4	91499.7	0.5123	mg/L	0.5123	mg/L	12:27:18
1	Fe 234.349†	2919.0	2876.1	2.472	mg/L	2.472	mg/L	12:26:59
1	Fe 238.204†	306470.9	301206.9	2.535	mg/L	2.535	mg/L	12:27:18
1	K 766.490†	46157.7	45219.7	24.52	mg/L	24.52	mg/L	12:26:49
1	Li 670.784†	16270.9	16175.2	0.5002	mg/L	0.5002	mg/L	12:26:49
1	Mg 279.077†	59027.4	57908.8	5.071	mg/L	5.071	mg/L	12:27:18
1	Mn 257.610†	297663.2	291534.5	0.5127	mg/L	0.5127	mg/L	12:27:18
1	Mo 202.031†	9422.5	9238.4	0.4912	mg/L	0.4912	mg/L	12:27:28
1	Na 589.592†	152025.3	149341.2	24.53	mg/L	24.53	mg/L	12:26:49
1	Ni 231.604†	14819.3	14591.2	0.5141	mg/L	0.5141	mg/L	12:27:18
1	P 214.914†	8592.4	8106.5	4.844	mg/L	4.844	mg/L	12:27:28
1	Pb 220.353†	5966.7	5809.1	0.4957	mg/L	0.4957	mg/L	12:27:28
1	Sb 206.836†	613.5	566.5	0.4753	mg/L	0.4753	mg/L	12:27:28
1	Se 196.026†	1044.4	1026.9	0.9954	mg/L	0.9954	mg/L	12:27:28
1	Sn 189.927†	2305.1	2263.8	0.5164	mg/L	0.5164	mg/L	12:27:28
1	Sr 407.771†	46354.2	45450.8	0.0481	mg/L	0.0481	mg/L	12:26:49
1	Ti 337.279†	336676.0	331524.6	0.4671	mg/L	0.4671	mg/L	12:27:18
1	Tl 190.801†	745.5	731.1	0.5011	mg/L	0.5011	mg/L	12:27:28
1	V 292.402†	82115.0	81429.6	0.5138	mg/L	0.5138	mg/L	12:27:18
1	Zn 213.857†	49149.2	47529.0	0.5062	mg/L	0.5062	mg/L	12:27:18
2	Y 371.029	2483530.1	2483530.1	1.00	mg/L			12:27:31
2	Ag 328.068†	31641.8	30174.5	0.2555	mg/L	0.2555	mg/L	12:27:33
2	Al 237.313†	19005.3	19082.9	2.461	mg/L	2.461	mg/L	12:27:33
2	As 188.979†	396.4	392.3	0.4913	mg/L	0.4913	mg/L	12:27:43
2	B 182.528†	258.1	254.8	0.5026	mg/L	0.5026	mg/L	12:27:43
2	B 249.677†	883.9	877.4	0.5124	mg/L	0.5124	mg/L	12:27:12
2	Ba 233.527†	37120.8	37077.7	0.5109	mg/L	0.5109	mg/L	12:27:33
2	Be 313.107†	85153.2	85445.4	0.0509	mg/L	0.0509	mg/L	12:27:33
2	Ca 315.887†	523288.1	521761.7	4.902	mg/L	4.902	mg/L	12:27:31
2	Cd 228.802†	7248.6	7166.8	0.2517	mg/L	0.2517	mg/L	12:27:43
2	Co 228.616†	20361.7	20373.1	0.5082	mg/L	0.5082	mg/L	12:27:33
2	Cr 267.716†	47505.2	46972.0	0.5147	mg/L	0.5147	mg/L	12:27:33
2	Cu 324.752†	92970.6	91493.2	0.5122	mg/L	0.5122	mg/L	12:27:33
2	Fe 234.349†	2971.6	2969.5	2.552	mg/L	2.552	mg/L	12:27:12
2	Fe 238.204†	302586.7	301635.1	2.538	mg/L	2.538	mg/L	12:27:33
2	K 766.490†	46516.8	46225.9	25.06	mg/L	25.06	mg/L	12:27:02
2	Li 670.784†	16528.9	16661.0	0.5152	mg/L	0.5152	mg/L	12:27:02
2	Mg 279.077†	58232.3	57944.4	5.074	mg/L	5.074	mg/L	12:27:33
2	Mn 257.610†	293887.0	291946.8	0.5134	mg/L	0.5134	mg/L	12:27:33
2	Mo 202.031†	9549.9	9497.7	0.5050	mg/L	0.5050	mg/L	12:27:43
2	Na 589.592†	153860.6	153305.8	25.18	mg/L	25.18	mg/L	12:27:02
2	Ni 231.604†	14594.9	14575.4	0.5135	mg/L	0.5135	mg/L	12:27:33
2	P 214.914†	8665.1	8299.7	4.959	mg/L	4.959	mg/L	12:27:43
2	Pb 220.353†	6024.3	5950.4	0.5079	mg/L	0.5079	mg/L	12:27:43
2	Sb 206.836†	619.7	581.2	0.4877	mg/L	0.4877	mg/L	12:27:43
2	Se 196.026†	1055.3	1052.5	1.020	mg/L	1.020	mg/L	12:27:43
2	Sn 189.927†	2318.5	2309.6	0.5270	mg/L	0.5270	mg/L	12:27:43
2	Sr 407.771†	46863.0	46608.9	0.0494	mg/L	0.0494	mg/L	12:27:02
2	Ti 337.279†	333666.5	333249.1	0.4695	mg/L	0.4695	mg/L	12:27:33
2	Tl 190.801†	761.5	757.5	0.5195	mg/L	0.5195	mg/L	12:27:43
2	V 292.402†	81075.0	81545.1	0.5146	mg/L	0.5146	mg/L	12:27:33
2	Zn 213.857†	48593.4	47664.6	0.5076	mg/L	0.5076	mg/L	12:27:33

Mean Data: SCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2501257.0	1.01	mg/L	0.010				1.00%

Ag	328.068†	30129.5	0.2551 mg/L	0.00054	0.2551 mg/L	0.00054	0.21%
	QC value within limits for Ag	328.068	Recovery =	102.04%			
Al	237.313†	19081.1	2.461 mg/L	0.0003	2.461 mg/L	0.0003	0.01%
	QC value within limits for Al	237.313	Recovery =	98.44%			
As	188.979†	389.4	0.4877 mg/L	0.00521	0.4877 mg/L	0.00521	1.07%
	QC value within limits for As	188.979	Recovery =	97.53%			
B	182.528†	253.0	0.4991 mg/L	0.00502	0.4991 mg/L	0.00502	1.01%
	QC value within limits for B	182.528	Recovery =	99.81%			
B	249.677†	866.9	0.5063 mg/L	0.00866	0.5063 mg/L	0.00866	1.71%
	QC value within limits for B	249.677	Recovery =	101.26%			
Ba	233.527†	37043.7	0.5104 mg/L	0.00066	0.5104 mg/L	0.00066	0.13%
	QC value within limits for Ba	233.527	Recovery =	102.09%			
Be	313.107†	85530.0	0.0510 mg/L	0.00007	0.0510 mg/L	0.00007	0.14%
	QC value within limits for Be	313.107	Recovery =	101.95%			
Ca	315.887†	523022.7	4.913 mg/L	0.0168	4.913 mg/L	0.0168	0.34%
	QC value within limits for Ca	315.887	Recovery =	98.27%			
Cd	228.802†	7092.5	0.2491 mg/L	0.00370	0.2491 mg/L	0.00370	1.49%
	QC value within limits for Cd	228.802	Recovery =	99.63%			
Co	228.616†	20363.5	0.5079 mg/L	0.00034	0.5079 mg/L	0.00034	0.07%
	QC value within limits for Co	228.616	Recovery =	101.58%			
Cr	267.716†	46928.7	0.5142 mg/L	0.00069	0.5142 mg/L	0.00069	0.13%
	QC value within limits for Cr	267.716	Recovery =	102.84%			
Cu	324.752†	91496.4	0.5123 mg/L	0.00002	0.5123 mg/L	0.00002	0.00%
	QC value within limits for Cu	324.752	Recovery =	102.45%			
Fe	234.349†	2922.8	2.512 mg/L	0.0566	2.512 mg/L	0.0566	2.25%
	QC value within limits for Fe	234.349	Recovery =	100.49%			
Fe	238.204†	301421.0	2.537 mg/L	0.0026	2.537 mg/L	0.0026	0.10%
	QC value within limits for Fe	238.204	Recovery =	101.46%			
K	766.490†	45722.8	24.79 mg/L	0.383	24.79 mg/L	0.383	1.54%
	QC value within limits for K	766.490	Recovery =	99.16%			
Li	670.784†	16418.1	0.5077 mg/L	0.01061	0.5077 mg/L	0.01061	2.09%
	QC value within limits for Li	670.784	Recovery =	101.55%			
Mg	279.077†	57926.6	5.073 mg/L	0.0022	5.073 mg/L	0.0022	0.04%
	QC value within limits for Mg	279.077	Recovery =	101.46%			
Mn	257.610†	291740.6	0.5131 mg/L	0.00052	0.5131 mg/L	0.00052	0.10%
	QC value within limits for Mn	257.610	Recovery =	102.62%			
Mo	202.031†	9368.0	0.4981 mg/L	0.00976	0.4981 mg/L	0.00976	1.96%
	QC value within limits for Mo	202.031	Recovery =	99.62%			
Na	589.592†	151323.5	24.85 mg/L	0.459	24.85 mg/L	0.459	1.85%
	QC value within limits for Na	589.592	Recovery =	99.42%			
Ni	231.604†	14583.3	0.5138 mg/L	0.00038	0.5138 mg/L	0.00038	0.07%
	QC value within limits for Ni	231.604	Recovery =	102.76%			
P	214.914†	8203.1	4.901 mg/L	0.0813	4.901 mg/L	0.0813	1.66%
	QC value within limits for P	214.914	Recovery =	98.02%			
Pb	220.353†	5879.7	0.5018 mg/L	0.00862	0.5018 mg/L	0.00862	1.72%
	QC value within limits for Pb	220.353	Recovery =	100.37%			
Sb	206.836†	573.9	0.4815 mg/L	0.00876	0.4815 mg/L	0.00876	1.82%
	QC value within limits for Sb	206.836	Recovery =	96.30%			
Se	196.026†	1039.7	1.008 mg/L	0.0175	1.008 mg/L	0.0175	1.74%
	QC value within limits for Se	196.026	Recovery =	100.78%			
Sn	189.927†	2286.7	0.5217 mg/L	0.00749	0.5217 mg/L	0.00749	1.44%
	QC value within limits for Sn	189.927	Recovery =	104.34%			
Sr	407.771†	46029.8	0.0487 mg/L	0.00086	0.0487 mg/L	0.00086	1.76%
	QC value within limits for Sr	407.771	Recovery =	97.49%			
Ti	337.279†	332386.9	0.4683 mg/L	0.00173	0.4683 mg/L	0.00173	0.37%
	QC value within limits for Ti	337.279	Recovery =	93.66%			
Tl	190.801†	744.3	0.5103 mg/L	0.01301	0.5103 mg/L	0.01301	2.55%
	QC value within limits for Tl	190.801	Recovery =	102.06%			
V	292.402†	81487.4	0.5142 mg/L	0.00057	0.5142 mg/L	0.00057	0.11%
	QC value within limits for V	292.402	Recovery =	102.84%			
Zn	213.857†	47596.8	0.5069 mg/L	0.00103	0.5069 mg/L	0.00103	0.20%
	QC value within limits for Zn	213.857	Recovery =	101.38%			
All analyte(s) passed QC.							

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Sequence No.: 7                               Autosampler Location: 1
Sample ID: ICB1                               Date Collected: 10/6/2012 12:29:23 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:47 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: ICB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2505975.9	2505975.9	1.01	mg/L			12:31:46
1	Ag 328.068†	1347.6	-52.2	-0.0020	mg/L	-0.0020	mg/L	12:31:49
1	Al 237.313†	-119.3	9.6	-0.0066	mg/L	-0.0066	mg/L	12:31:59
1	As 188.979†	-1.1	-4.1	-0.0035	mg/L	-0.0035	mg/L	12:31:59
1	B 182.528†	3.7	1.1	0.0074	mg/L	0.0074	mg/L	12:31:59
1	B 249.677†	14.9	10.5	0.0088	mg/L	0.0088	mg/L	12:31:22
1	Ba 233.527†	-42.9	12.0	-0.0017	mg/L	-0.0017	mg/L	12:31:59
1	Be 313.107†	-480.2	41.2	-0.0001	mg/L	-0.0001	mg/L	12:31:49
1	Ca 315.887†	205.8	51.6	-0.0157	mg/L	-0.0157	mg/L	12:31:49
1	Cd 228.802†	66.7	3.1	0.0001	mg/L	0.0001	mg/L	12:31:59
1	Co 228.616†	-71.1	-5.4	-0.0029	mg/L	-0.0029	mg/L	12:31:59
1	Cr 267.716†	440.7	27.2	-0.0029	mg/L	-0.0029	mg/L	12:31:49
1	Cu 324.752†	1213.2	-34.1	-0.0035	mg/L	-0.0035	mg/L	12:31:49
1	Fe 234.349†	-7.0	-1.2	0.0175	mg/L	0.0175	mg/L	12:31:22
1	Fe 238.204†	181.6	22.8	-0.0115	mg/L	-0.0115	mg/L	12:31:59
1	K 766.490†	225.9	54.6	0.2266	mg/L	0.2266	mg/L	12:31:12
1	Li 670.784†	-127.1	49.9	0.0021	mg/L	0.0021	mg/L	12:31:12
1	Mg 279.077†	152.7	16.0	-0.0364	mg/L	-0.0364	mg/L	12:31:49
1	Mn 257.610†	500.2	-673.8	-0.0041	mg/L	-0.0041	mg/L	12:31:59
1	Mo 202.031†	29.6	2.1	-0.0001	mg/L	-0.0001	mg/L	12:31:59
1	Na 589.592†	200.3	47.4	0.1090	mg/L	0.1090	mg/L	12:31:12
1	Ni 231.604†	-16.4	2.6	-0.0037	mg/L	-0.0037	mg/L	12:31:59
1	P 214.914†	358.7	11.8	0.0349	mg/L	0.0349	mg/L	12:31:59
1	Pb 220.353†	58.9	0.1	-0.0039	mg/L	-0.0039	mg/L	12:31:59
1	Sb 206.836†	38.4	1.2	-0.0002	mg/L	-0.0002	mg/L	12:31:59
1	Se 196.026†	1.2	1.1	-0.0005	mg/L	-0.0005	mg/L	12:31:59
1	Sn 189.927†	12.0	9.0	-0.0006	mg/L	-0.0006	mg/L	12:31:59
1	Sr 407.771†	135.1	2.6	0.0005	mg/L	0.0005	mg/L	12:31:12
1	Ti 337.279†	-378.8	84.7	-0.0019	mg/L	-0.0019	mg/L	12:31:49
1	Tl 190.801†	2.2	0.2	-0.0043	mg/L	-0.0043	mg/L	12:31:59
1	V 292.402†	-539.4	149.9	-0.0012	mg/L	-0.0012	mg/L	12:31:49
1	Zn 213.857†	806.0	-4.4	-0.0011	mg/L	-0.0011	mg/L	12:31:59
2	Y 371.029	2478194.0	2478194.0	1.00	mg/L			12:32:01
2	Ag 328.068†	1413.8	29.0	-0.0013	mg/L	-0.0013	mg/L	12:32:03
2	Al 237.313†	-136.3	-8.8	-0.0089	mg/L	-0.0089	mg/L	12:32:14
2	As 188.979†	4.9	1.9	0.0039	mg/L	0.0039	mg/L	12:32:14
2	B 182.528†	7.0	4.4	0.0139	mg/L	0.0139	mg/L	12:32:14
2	B 249.677†	17.4	13.2	0.0103	mg/L	0.0103	mg/L	12:31:43
2	Ba 233.527†	-54.6	-0.1	-0.0019	mg/L	-0.0019	mg/L	12:32:14
2	Be 313.107†	-518.5	-2.4	-0.0002	mg/L	-0.0002	mg/L	12:32:03
2	Ca 315.887†	127.2	-24.6	-0.0165	mg/L	-0.0165	mg/L	12:32:03
2	Cd 228.802†	65.7	2.8	0.0001	mg/L	0.0001	mg/L	12:32:14
2	Co 228.616†	-47.7	17.2	-0.0023	mg/L	-0.0023	mg/L	12:32:14
2	Cr 267.716†	454.7	46.1	-0.0027	mg/L	-0.0027	mg/L	12:32:03
2	Cu 324.752†	1273.0	39.1	-0.0031	mg/L	-0.0031	mg/L	12:32:03
2	Fe 234.349†	-5.9	-0.2	0.0183	mg/L	0.0183	mg/L	12:31:43
2	Fe 238.204†	166.6	9.8	-0.0116	mg/L	-0.0116	mg/L	12:32:14
2	K 766.490†	220.1	51.3	0.2248	mg/L	0.2248	mg/L	12:31:33
2	Li 670.784†	-161.3	14.3	0.0010	mg/L	0.0010	mg/L	12:31:33
2	Mg 279.077†	158.7	23.7	-0.0357	mg/L	-0.0357	mg/L	12:32:03
2	Mn 257.610†	507.3	-661.2	-0.0040	mg/L	-0.0040	mg/L	12:32:14
2	Mo 202.031†	30.3	3.1	-0.0001	mg/L	-0.0001	mg/L	12:32:14
2	Na 589.592†	199.3	48.6	0.1092	mg/L	0.1092	mg/L	12:31:33
2	Ni 231.604†	-24.0	-5.2	-0.0040	mg/L	-0.0040	mg/L	12:32:14
2	P 214.914†	322.8	-20.1	0.0159	mg/L	0.0159	mg/L	12:32:14
2	Pb 220.353†	42.7	-15.5	-0.0052	mg/L	-0.0052	mg/L	12:32:14
2	Sb 206.836†	34.4	-2.4	-0.0032	mg/L	-0.0032	mg/L	12:32:14
2	Se 196.026†	4.6	4.5	0.0029	mg/L	0.0029	mg/L	12:32:14
2	Sn 189.927†	8.8	5.9	-0.0013	mg/L	-0.0013	mg/L	12:32:14
2	Sr 407.771†	127.1	-3.9	0.0005	mg/L	0.0005	mg/L	12:31:33
2	Ti 337.279†	-319.2	140.1	-0.0019	mg/L	-0.0019	mg/L	12:32:03
2	Tl 190.801†	7.6	5.6	-0.0005	mg/L	-0.0005	mg/L	12:32:14
2	V 292.402†	-644.3	39.1	-0.0019	mg/L	-0.0019	mg/L	12:32:03
2	Zn 213.857†	813.9	12.3	-0.0009	mg/L	-0.0009	mg/L	12:32:14

Mean Data: ICB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2492085.0	1.01 mg/L	0.008			0.79%

Ag	328.068†	-11.6	-0.0016 mg/L	0.00049	-0.0016 mg/L	0.00049	30.10%
	QC value within limits for Ag 328.068 Recovery = Not calculated						
Al	237.313†	0.4	-0.0077 mg/L	0.00168	-0.0077 mg/L	0.00168	21.66%
	QC value within limits for Al 237.313 Recovery = Not calculated						
As	188.979†	-1.1	0.0002 mg/L	0.00527	0.0002 mg/L	0.00527	>999.9%
	QC value within limits for As 188.979 Recovery = Not calculated						
B	182.528†	2.7	0.0107 mg/L	0.00459	0.0107 mg/L	0.00459	43.06%
	QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B	249.677†	11.9	0.0096 mg/L	0.00111	0.0096 mg/L	0.00111	11.61%
	QC value within limits for B 249.677 Recovery = Not calculated						
Ba	233.527†	5.9	-0.0018 mg/L	0.00012	-0.0018 mg/L	0.00012	6.48%
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Be	313.107†	19.4	-0.0002 mg/L	0.00002	-0.0002 mg/L	0.00002	12.17%
	QC value within limits for Be 313.107 Recovery = Not calculated						
Ca	315.887†	13.5	-0.0161 mg/L	0.00051	-0.0161 mg/L	0.00051	3.18%
	QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd	228.802†	2.9	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	41.57%
	QC value within limits for Cd 228.802 Recovery = Not calculated						
Co	228.616†	5.9	-0.0026 mg/L	0.00040	-0.0026 mg/L	0.00040	15.55%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr	267.716†	36.6	-0.0028 mg/L	0.00015	-0.0028 mg/L	0.00015	5.25%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu	324.752†	2.5	-0.0033 mg/L	0.00029	-0.0033 mg/L	0.00029	8.81%
	QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe	234.349†	-0.7	0.0179 mg/L	0.00059	0.0179 mg/L	0.00059	3.29%
	QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated						
Fe	238.204†	16.3	-0.0116 mg/L	0.00008	-0.0116 mg/L	0.00008	0.68%
	QC value within limits for Fe 238.204 Recovery = Not calculated						
K	766.490†	52.9	0.2257 mg/L	0.00124	0.2257 mg/L	0.00124	0.55%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li	670.784†	32.1	0.0016 mg/L	0.00078	0.0016 mg/L	0.00078	49.45%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	19.8	-0.0361 mg/L	0.00048	-0.0361 mg/L	0.00048	1.33%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn	257.610†	-667.5	-0.0041 mg/L	0.00002	-0.0041 mg/L	0.00002	0.39%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	2.6	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	38.01%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na	589.592†	48.0	0.1091 mg/L	0.00013	0.1091 mg/L	0.00013	0.12%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	-1.3	-0.0038 mg/L	0.00019	-0.0038 mg/L	0.00019	5.06%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-4.1	0.0254 mg/L	0.01342	0.0254 mg/L	0.01342	52.80%
	QC value greater than the upper limit for P 214.914 Recovery = Not calculated						
Pb	220.353†	-7.7	-0.0045 mg/L	0.00095	-0.0045 mg/L	0.00095	20.94%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-0.6	-0.0017 mg/L	0.00215	-0.0017 mg/L	0.00215	125.90%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	2.8	0.0012 mg/L	0.00234	0.0012 mg/L	0.00234	194.80%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	7.4	-0.0010 mg/L	0.00049	-0.0010 mg/L	0.00049	51.21%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	-0.7	0.0005 mg/L	0.00000	0.0005 mg/L	0.00000	1.07%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	112.4	-0.0019 mg/L	0.00006	-0.0019 mg/L	0.00006	2.92%
	QC value less than the lower limit for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	2.9	-0.0024 mg/L	0.00270	-0.0024 mg/L	0.00270	111.42%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	94.5	-0.0016 mg/L	0.00049	-0.0016 mg/L	0.00049	31.21%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	3.9	-0.0010 mg/L	0.00013	-0.0010 mg/L	0.00013	12.43%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

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Sequence No.: 8                               Autosampler Location: 6
Sample ID: CRL1                               Date Collected: 10/6/2012 12:33:51 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:48 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 371.029	2576421.8	2576421.8	1.04	mg/L			12:35:58
1	Ag 328.068†	4474.8	2918.0	0.0233	mg/L	0.0233	mg/L	12:36:00
1	Al 237.313†	1929.8	1982.8	0.2487	mg/L	0.2487	mg/L	12:36:11
1	As 188.979†	42.1	37.5	0.0484	mg/L	0.0484	mg/L	12:36:11
1	B 182.528†	28.0	24.3	0.0528	mg/L	0.0528	mg/L	12:36:11
1	B 249.677†	96.7	88.8	0.0542	mg/L	0.0542	mg/L	12:35:42
1	Ba 233.527†	3767.0	3676.0	0.0489	mg/L	0.0489	mg/L	12:36:11
1	Be 313.107†	8138.4	8340.2	0.0048	mg/L	0.0048	mg/L	12:36:00
1	Ca 315.887†	56116.2	53799.1	0.4908	mg/L	0.4908	mg/L	12:36:00
1	Cd 228.802†	793.6	700.2	0.0246	mg/L	0.0246	mg/L	12:36:11
1	Co 228.616†	2068.6	2053.7	0.0488	mg/L	0.0488	mg/L	12:36:11
1	Cr 267.716†	5122.6	4516.6	0.0466	mg/L	0.0466	mg/L	12:36:00
1	Cu 324.752†	10689.5	9043.8	0.0476	mg/L	0.0476	mg/L	12:36:00
1	Fe 234.349†	285.0	279.7	0.2571	mg/L	0.2571	mg/L	12:35:42
1	Fe 238.204†	31693.5	30313.9	0.2446	mg/L	0.2446	mg/L	12:36:00
1	K 766.490†	4821.7	4466.9	2.600	mg/L	2.600	mg/L	12:35:32
1	Li 670.784†	1502.8	1620.2	0.0506	mg/L	0.0506	mg/L	12:35:32
1	Mg 279.077†	6204.5	5830.1	0.4766	mg/L	0.4766	mg/L	12:36:00
1	Mn 257.610†	30856.7	28497.8	0.0475	mg/L	0.0475	mg/L	12:36:00
1	Mo 202.031†	984.5	919.4	0.0487	mg/L	0.0487	mg/L	12:36:11
1	Na 589.592†	15993.0	15225.3	2.592	mg/L	2.592	mg/L	12:35:32
1	Ni 231.604†	1495.8	1456.9	0.0479	mg/L	0.0479	mg/L	12:36:11
1	P 214.914†	1179.6	791.4	0.4980	mg/L	0.4980	mg/L	12:36:11
1	Pb 220.353†	663.3	579.6	0.0460	mg/L	0.0460	mg/L	12:36:11
1	Sb 206.836†	101.6	60.9	0.0501	mg/L	0.0501	mg/L	12:36:11
1	Se 196.026†	111.7	107.3	0.1026	mg/L	0.1026	mg/L	12:36:11
1	Sn 189.927†	228.5	216.8	0.0471	mg/L	0.0471	mg/L	12:36:11
1	Sr 407.771†	4882.4	4563.0	0.0052	mg/L	0.0052	mg/L	12:35:32
1	Ti 337.279†	36100.3	35166.4	0.0477	mg/L	0.0477	mg/L	12:36:00
1	Tl 190.801†	82.7	77.5	0.0492	mg/L	0.0492	mg/L	12:36:11
1	V 292.402†	7523.9	7916.7	0.0480	mg/L	0.0480	mg/L	12:36:00
1	Zn 213.857†	5654.0	4634.7	0.0484	mg/L	0.0484	mg/L	12:36:11
2	Y 371.029	2606184.6	2606184.6	1.05	mg/L			12:36:13
2	Ag 328.068†	4506.7	2899.2	0.0232	mg/L	0.0232	mg/L	12:36:15
2	Al 237.313†	1916.4	1949.0	0.2443	mg/L	0.2443	mg/L	12:36:25
2	As 188.979†	43.0	37.9	0.0489	mg/L	0.0489	mg/L	12:36:25
2	B 182.528†	27.8	23.8	0.0518	mg/L	0.0518	mg/L	12:36:25
2	B 249.677†	94.1	85.3	0.0522	mg/L	0.0522	mg/L	12:35:54
2	Ba 233.527†	3708.4	3579.0	0.0476	mg/L	0.0476	mg/L	12:36:25
2	Be 313.107†	8210.0	8318.9	0.0048	mg/L	0.0048	mg/L	12:36:15
2	Ca 315.887†	56182.2	53245.7	0.4856	mg/L	0.4856	mg/L	12:36:15
2	Cd 228.802†	793.9	691.7	0.0243	mg/L	0.0243	mg/L	12:36:25
2	Co 228.616†	2062.6	2025.3	0.0480	mg/L	0.0480	mg/L	12:36:25
2	Cr 267.716†	5230.6	4563.0	0.0471	mg/L	0.0471	mg/L	12:36:15
2	Cu 324.752†	10678.0	8915.5	0.0469	mg/L	0.0469	mg/L	12:36:15
2	Fe 234.349†	293.4	284.6	0.2613	mg/L	0.2613	mg/L	12:35:54
2	Fe 238.204†	31666.8	29940.5	0.2414	mg/L	0.2414	mg/L	12:36:15
2	K 766.490†	4834.7	4426.4	2.578	mg/L	2.578	mg/L	12:35:44
2	Li 670.784†	1506.7	1607.5	0.0502	mg/L	0.0502	mg/L	12:35:44
2	Mg 279.077†	6177.4	5736.3	0.4683	mg/L	0.4683	mg/L	12:36:15
2	Mn 257.610†	30843.5	28146.5	0.0469	mg/L	0.0469	mg/L	12:36:15
2	Mo 202.031†	975.2	899.7	0.0476	mg/L	0.0476	mg/L	12:36:25
2	Na 589.592†	15984.9	15042.0	2.562	mg/L	2.562	mg/L	12:35:44
2	Ni 231.604†	1472.2	1418.1	0.0465	mg/L	0.0465	mg/L	12:36:25
2	P 214.914†	1181.2	779.9	0.4912	mg/L	0.4912	mg/L	12:36:25
2	Pb 220.353†	678.8	587.0	0.0466	mg/L	0.0466	mg/L	12:36:25
2	Sb 206.836†	103.5	61.5	0.0506	mg/L	0.0506	mg/L	12:36:25
2	Se 196.026†	114.6	108.9	0.1042	mg/L	0.1042	mg/L	12:36:25
2	Sn 189.927†	230.2	215.9	0.0469	mg/L	0.0469	mg/L	12:36:25
2	Sr 407.771†	4957.7	4581.0	0.0053	mg/L	0.0053	mg/L	12:35:44
2	Ti 337.279†	35983.8	34659.4	0.0470	mg/L	0.0470	mg/L	12:36:15
2	Tl 190.801†	81.6	75.6	0.0478	mg/L	0.0478	mg/L	12:36:25
2	V 292.402†	7642.2	7946.5	0.0482	mg/L	0.0482	mg/L	12:36:15
2	Zn 213.857†	5619.3	4539.7	0.0474	mg/L	0.0474	mg/L	12:36:25

Mean Data: CRL1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2591303.2	1.05	mg/L	0.008				0.81%

Ag	328.068†	2908.6	0.0233 mg/L	0.00011	0.0233 mg/L	0.00011	0.49%
	QC value within limits for Ag	328.068	Recovery =	93.00%			
Al	237.313†	1965.9	0.2465 mg/L	0.00309	0.2465 mg/L	0.00309	1.25%
	QC value within limits for Al	237.313	Recovery =	98.61%			
As	188.979†	37.7	0.0487 mg/L	0.00039	0.0487 mg/L	0.00039	0.81%
	QC value within limits for As	188.979	Recovery =	97.31%			
B	182.528†	24.0	0.0523 mg/L	0.00071	0.0523 mg/L	0.00071	1.36%
	QC value within limits for B	182.528	Recovery =	104.53%			
B	249.677†	87.1	0.0532 mg/L	0.00143	0.0532 mg/L	0.00143	2.69%
	QC value within limits for B	249.677	Recovery =	106.43%			
Ba	233.527†	3627.5	0.0483 mg/L	0.00095	0.0483 mg/L	0.00095	1.97%
	QC value within limits for Ba	233.527	Recovery =	96.53%			
Be	313.107†	8329.5	0.0048 mg/L	0.00001	0.0048 mg/L	0.00001	0.19%
	QC value within limits for Be	313.107	Recovery =	96.34%			
Ca	315.887†	53522.4	0.4882 mg/L	0.00368	0.4882 mg/L	0.00368	0.75%
	QC value within limits for Ca	315.887	Recovery =	97.64%			
Cd	228.802†	696.0	0.0244 mg/L	0.00021	0.0244 mg/L	0.00021	0.87%
	QC value within limits for Cd	228.802	Recovery =	97.64%			
Co	228.616†	2039.5	0.0484 mg/L	0.00050	0.0484 mg/L	0.00050	1.04%
	QC value within limits for Co	228.616	Recovery =	96.81%			
Cr	267.716†	4539.8	0.0468 mg/L	0.00036	0.0468 mg/L	0.00036	0.77%
	QC value within limits for Cr	267.716	Recovery =	93.70%			
Cu	324.752†	8979.7	0.0473 mg/L	0.00051	0.0473 mg/L	0.00051	1.08%
	QC value within limits for Cu	324.752	Recovery =	94.56%			
Fe	234.349†	282.2	0.2592 mg/L	0.00299	0.2592 mg/L	0.00299	1.15%
	QC value within limits for Fe	234.349	Recovery =	103.69%			
Fe	238.204†	30127.2	0.2430 mg/L	0.00223	0.2430 mg/L	0.00223	0.92%
	QC value within limits for Fe	238.204	Recovery =	97.19%			
K	766.490†	4446.6	2.589 mg/L	0.0154	2.589 mg/L	0.0154	0.60%
	QC value within limits for K	766.490	Recovery =	103.56%			
Li	670.784†	1613.8	0.0504 mg/L	0.00028	0.0504 mg/L	0.00028	0.55%
	QC value within limits for Li	670.784	Recovery =	100.87%			
Mg	279.077†	5783.2	0.4724 mg/L	0.00585	0.4724 mg/L	0.00585	1.24%
	QC value within limits for Mg	279.077	Recovery =	94.48%			
Mn	257.610†	28322.2	0.0472 mg/L	0.00044	0.0472 mg/L	0.00044	0.93%
	QC value within limits for Mn	257.610	Recovery =	94.42%			
Mo	202.031†	909.6	0.0481 mg/L	0.00074	0.0481 mg/L	0.00074	1.54%
	QC value within limits for Mo	202.031	Recovery =	96.29%			
Na	589.592†	15133.6	2.577 mg/L	0.0212	2.577 mg/L	0.0212	0.82%
	QC value within limits for Na	589.592	Recovery =	103.07%			
Ni	231.604†	1437.5	0.0472 mg/L	0.00097	0.0472 mg/L	0.00097	2.06%
	QC value within limits for Ni	231.604	Recovery =	94.47%			
P	214.914†	785.6	0.4946 mg/L	0.00480	0.4946 mg/L	0.00480	0.97%
	QC value within limits for P	214.914	Recovery =	98.92%			
Pb	220.353†	583.3	0.0463 mg/L	0.00046	0.0463 mg/L	0.00046	0.98%
	QC value within limits for Pb	220.353	Recovery =	92.57%			
Sb	206.836†	61.2	0.0503 mg/L	0.00037	0.0503 mg/L	0.00037	0.74%
	QC value within limits for Sb	206.836	Recovery =	100.66%			
Se	196.026†	108.1	0.1034 mg/L	0.00111	0.1034 mg/L	0.00111	1.07%
	QC value within limits for Se	196.026	Recovery =	103.42%			
Sn	189.927†	216.4	0.0470 mg/L	0.00014	0.0470 mg/L	0.00014	0.30%
	QC value within limits for Sn	189.927	Recovery =	93.97%			
Sr	407.771†	4572.0	0.0053 mg/L	0.00001	0.0053 mg/L	0.00001	0.25%
	QC value within limits for Sr	407.771	Recovery =	105.04%			
Ti	337.279†	34912.9	0.0473 mg/L	0.00051	0.0473 mg/L	0.00051	1.07%
	QC value within limits for Ti	337.279	Recovery =	94.69%			
Tl	190.801†	76.5	0.0485 mg/L	0.00095	0.0485 mg/L	0.00095	1.96%
	QC value within limits for Tl	190.801	Recovery =	97.00%			
V	292.402†	7931.6	0.0481 mg/L	0.00013	0.0481 mg/L	0.00013	0.27%
	QC value within limits for V	292.402	Recovery =	96.18%			
Zn	213.857†	4587.2	0.0479 mg/L	0.00072	0.0479 mg/L	0.00072	1.50%
	QC value within limits for Zn	213.857	Recovery =	95.75%			
All analyte(s) passed QC.							

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Sequence No.: 9                               Autosampler Location: 7
Sample ID: CRL2                               Date Collected: 10/6/2012 12:38:06 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:48 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CRL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2504801.2	2504801.2	1.01	mg/L			12:40:31
1	Ag 328.068†	2622.2	1208.9	0.0088	mg/L	0.0088	mg/L	12:40:33
1	Al 237.313†	689.1	808.9	0.0969	mg/L	0.0969	mg/L	12:40:43
1	As 188.979†	16.6	13.5	0.0184	mg/L	0.0184	mg/L	12:40:43
1	B 182.528†	9.0	6.3	0.0176	mg/L	0.0176	mg/L	12:40:43
1	B 249.677†	41.6	37.0	0.0241	mg/L	0.0241	mg/L	12:40:07
1	Ba 233.527†	1527.5	1564.9	0.0197	mg/L	0.0197	mg/L	12:40:43
1	Be 313.107†	3083.0	3564.6	0.0020	mg/L	0.0020	mg/L	12:40:33
1	Ca 315.887†	23382.8	22971.6	0.2003	mg/L	0.2003	mg/L	12:40:33
1	Cd 228.802†	375.4	308.4	0.0108	mg/L	0.0108	mg/L	12:40:43
1	Co 228.616†	824.1	879.9	0.0193	mg/L	0.0193	mg/L	12:40:43
1	Cr 267.716†	2358.3	1923.8	0.0180	mg/L	0.0180	mg/L	12:40:33
1	Cu 324.752†	5058.8	3769.5	0.0179	mg/L	0.0179	mg/L	12:40:33
1	Fe 234.349†	108.0	112.5	0.1145	mg/L	0.1145	mg/L	12:40:07
1	Fe 238.204†	13088.4	12786.4	0.0964	mg/L	0.0964	mg/L	12:40:33
1	K 766.490†	2144.0	1951.5	1.247	mg/L	1.247	mg/L	12:39:57
1	Li 670.784†	532.6	702.2	0.0223	mg/L	0.0223	mg/L	12:39:57
1	Mg 279.077†	2672.0	2507.5	0.1834	mg/L	0.1834	mg/L	12:40:33
1	Mn 257.610†	13072.4	11759.1	0.0179	mg/L	0.0179	mg/L	12:40:33
1	Mo 202.031†	420.0	388.2	0.0204	mg/L	0.0204	mg/L	12:40:43
1	Na 589.592†	6733.4	6508.1	1.166	mg/L	1.166	mg/L	12:39:57
1	Ni 231.604†	583.3	595.6	0.0174	mg/L	0.0174	mg/L	12:40:43
1	P 214.914†	678.5	328.3	0.2229	mg/L	0.2229	mg/L	12:40:43
1	Pb 220.353†	319.3	257.6	0.0183	mg/L	0.0183	mg/L	12:40:43
1	Sb 206.836†	53.3	15.9	0.0122	mg/L	0.0122	mg/L	12:40:43
1	Se 196.026†	44.6	44.0	0.0412	mg/L	0.0412	mg/L	12:40:43
1	Sn 189.927†	90.4	86.6	0.0172	mg/L	0.0172	mg/L	12:40:43
1	Sr 407.771†	2046.4	1892.7	0.0024	mg/L	0.0024	mg/L	12:39:57
1	Ti 337.279†	14670.3	14966.7	0.0191	mg/L	0.0191	mg/L	12:40:33
1	Tl 190.801†	34.5	32.1	0.0178	mg/L	0.0178	mg/L	12:40:43
1	V 292.402†	2757.7	3410.2	0.0194	mg/L	0.0194	mg/L	12:40:33
1	Zn 213.857†	2808.6	1976.3	0.0200	mg/L	0.0200	mg/L	12:40:43
2	Y 371.029	2493460.9	2493460.9	1.01	mg/L			12:40:45
2	Ag 328.068†	2627.4	1225.8	0.0089	mg/L	0.0089	mg/L	12:40:48
2	Al 237.313†	701.7	824.6	0.0989	mg/L	0.0989	mg/L	12:40:58
2	As 188.979†	14.1	11.0	0.0153	mg/L	0.0153	mg/L	12:40:58
2	B 182.528†	12.9	10.2	0.0252	mg/L	0.0252	mg/L	12:40:58
2	B 249.677†	43.1	38.7	0.0251	mg/L	0.0251	mg/L	12:40:27
2	Ba 233.527†	1510.6	1555.0	0.0196	mg/L	0.0196	mg/L	12:40:58
2	Be 313.107†	3080.7	3576.2	0.0020	mg/L	0.0020	mg/L	12:40:48
2	Ca 315.887†	23084.8	22780.7	0.1985	mg/L	0.1985	mg/L	12:40:48
2	Cd 228.802†	365.6	300.4	0.0105	mg/L	0.0105	mg/L	12:40:58
2	Co 228.616†	817.2	876.7	0.0192	mg/L	0.0192	mg/L	12:40:58
2	Cr 267.716†	2344.5	1920.6	0.0180	mg/L	0.0180	mg/L	12:40:48
2	Cu 324.752†	5060.4	3793.8	0.0181	mg/L	0.0181	mg/L	12:40:48
2	Fe 234.349†	107.9	112.9	0.1148	mg/L	0.1148	mg/L	12:40:27
2	Fe 238.204†	13090.4	12847.4	0.0969	mg/L	0.0969	mg/L	12:40:48
2	K 766.490†	2077.3	1894.9	1.216	mg/L	1.216	mg/L	12:40:17
2	Li 670.784†	491.7	663.9	0.0211	mg/L	0.0211	mg/L	12:40:17
2	Mg 279.077†	2606.5	2454.4	0.1787	mg/L	0.1787	mg/L	12:40:48
2	Mn 257.610†	12989.3	11735.4	0.0179	mg/L	0.0179	mg/L	12:40:48
2	Mo 202.031†	417.1	387.3	0.0204	mg/L	0.0204	mg/L	12:40:58
2	Na 589.592†	6672.1	6477.5	1.161	mg/L	1.161	mg/L	12:40:17
2	Ni 231.604†	607.6	622.4	0.0183	mg/L	0.0183	mg/L	12:40:58
2	P 214.914†	685.7	338.5	0.2289	mg/L	0.2289	mg/L	12:40:58
2	Pb 220.353†	340.8	280.4	0.0202	mg/L	0.0202	mg/L	12:40:58
2	Sb 206.836†	59.9	22.7	0.0179	mg/L	0.0179	mg/L	12:40:58
2	Se 196.026†	42.9	42.6	0.0398	mg/L	0.0398	mg/L	12:40:58
2	Sn 189.927†	85.5	82.1	0.0162	mg/L	0.0162	mg/L	12:40:58
2	Sr 407.771†	2090.0	1945.3	0.0025	mg/L	0.0025	mg/L	12:40:17
2	Ti 337.279†	14565.2	14928.2	0.0191	mg/L	0.0191	mg/L	12:40:48
2	Tl 190.801†	35.8	33.5	0.0188	mg/L	0.0188	mg/L	12:40:58
2	V 292.402†	2666.6	3332.0	0.0190	mg/L	0.0190	mg/L	12:40:48
2	Zn 213.857†	2781.0	1961.5	0.0199	mg/L	0.0199	mg/L	12:40:58

Mean Data: CRL2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2499131.1	1.01 mg/L	0.003			0.32%

Ag	328.068†	1217.4	0.0088 mg/L	0.00010	0.0088 mg/L	0.00010	1.15%
	QC value within limits for Ag 328.068 Recovery = 88.46%						
Al	237.313†	816.8	0.0979 mg/L	0.00143	0.0979 mg/L	0.00143	1.46%
	QC value within limits for Al 237.313 Recovery = 97.87%						
As	188.979†	12.2	0.0169 mg/L	0.00219	0.0169 mg/L	0.00219	12.96%
	QC value within limits for As 188.979 Recovery = 84.38%						
B	182.528†	8.2	0.0214 mg/L	0.00538	0.0214 mg/L	0.00538	25.11%
	QC value within limits for B 182.528 Recovery = 107.12%						
B	249.677†	37.8	0.0246 mg/L	0.00068	0.0246 mg/L	0.00068	2.78%
	QC value greater than the upper limit for B 249.677 Recovery = 123.09%						
Ba	233.527†	1560.0	0.0197 mg/L	0.00010	0.0197 mg/L	0.00010	0.49%
	QC value within limits for Ba 233.527 Recovery = 98.35%						
Be	313.107†	3570.4	0.0020 mg/L	0.00000	0.0020 mg/L	0.00000	0.25%
	QC value within limits for Be 313.107 Recovery = 98.59%						
Ca	315.887†	22876.1	0.1994 mg/L	0.00127	0.1994 mg/L	0.00127	0.64%
	QC value within limits for Ca 315.887 Recovery = 99.69%						
Cd	228.802†	304.4	0.0107 mg/L	0.00019	0.0107 mg/L	0.00019	1.80%
	QC value within limits for Cd 228.802 Recovery = 106.80%						
Co	228.616†	878.3	0.0193 mg/L	0.00006	0.0193 mg/L	0.00006	0.29%
	QC value within limits for Co 228.616 Recovery = 96.45%						
Cr	267.716†	1922.2	0.0180 mg/L	0.00002	0.0180 mg/L	0.00002	0.14%
	QC value within limits for Cr 267.716 Recovery = 89.94%						
Cu	324.752†	3781.6	0.0180 mg/L	0.00010	0.0180 mg/L	0.00010	0.54%
	QC value within limits for Cu 324.752 Recovery = 89.93%						
Fe	234.349†	112.7	0.1146 mg/L	0.00025	0.1146 mg/L	0.00025	0.22%
	QC value within limits for Fe 234.349 Recovery = 114.64%						
Fe	238.204†	12816.9	0.0966 mg/L	0.00036	0.0966 mg/L	0.00036	0.38%
	QC value within limits for Fe 238.204 Recovery = 96.64%						
K	766.490†	1923.2	1.232 mg/L	0.0215	1.232 mg/L	0.0215	1.75%
	QC value greater than the upper limit for K 766.490 Recovery = 123.16%						
Li	670.784†	683.1	0.0217 mg/L	0.00084	0.0217 mg/L	0.00084	3.85%
	QC value within limits for Li 670.784 Recovery = 108.41%						
Mg	279.077†	2480.9	0.1811 mg/L	0.00331	0.1811 mg/L	0.00331	1.83%
	QC value within limits for Mg 279.077 Recovery = 90.54%						
Mn	257.610†	11747.2	0.0179 mg/L	0.00003	0.0179 mg/L	0.00003	0.17%
	QC value within limits for Mn 257.610 Recovery = 89.48%						
Mo	202.031†	387.7	0.0204 mg/L	0.00004	0.0204 mg/L	0.00004	0.18%
	QC value within limits for Mo 202.031 Recovery = 101.94%						
Na	589.592†	6492.8	1.163 mg/L	0.0035	1.163 mg/L	0.0035	0.30%
	QC value within limits for Na 589.592 Recovery = 116.33%						
Ni	231.604†	609.0	0.0178 mg/L	0.00067	0.0178 mg/L	0.00067	3.76%
	QC value within limits for Ni 231.604 Recovery = 89.17%						
P	214.914†	333.4	0.2259 mg/L	0.00431	0.2259 mg/L	0.00431	1.91%
	QC value within limits for P 214.914 Recovery = 112.95%						
Pb	220.353†	269.0	0.0193 mg/L	0.00139	0.0193 mg/L	0.00139	7.23%
	QC value within limits for Pb 220.353 Recovery = 96.31%						
Sb	206.836†	19.3	0.0150 mg/L	0.00407	0.0150 mg/L	0.00407	27.05%
	QC value less than the lower limit for Sb 206.836 Recovery = 75.20%						
Se	196.026†	43.3	0.0405 mg/L	0.00099	0.0405 mg/L	0.00099	2.45%
	QC value within limits for Se 196.026 Recovery = 101.35%						
Sn	189.927†	84.3	0.0167 mg/L	0.00071	0.0167 mg/L	0.00071	4.26%
	QC value within limits for Sn 189.927 Recovery = 83.52%						
Sr	407.771†	1919.0	0.0025 mg/L	0.00004	0.0025 mg/L	0.00004	1.58%
	QC value greater than the upper limit for Sr 407.771 Recovery = 123.44%						
Ti	337.279†	14947.5	0.0191 mg/L	0.00004	0.0191 mg/L	0.00004	0.20%
	QC value within limits for Ti 337.279 Recovery = 95.48%						
Tl	190.801†	32.8	0.0183 mg/L	0.00071	0.0183 mg/L	0.00071	3.87%
	QC value within limits for Tl 190.801 Recovery = 91.33%						
V	292.402†	3371.1	0.0192 mg/L	0.00035	0.0192 mg/L	0.00035	1.80%
	QC value within limits for V 292.402 Recovery = 95.98%						
Zn	213.857†	1968.9	0.0199 mg/L	0.00012	0.0199 mg/L	0.00012	0.58%
	QC value within limits for Zn 213.857 Recovery = 99.70%						
QC Failed. Continue with analysis.							

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Sequence No.: 10                               Autosampler Location: 8
Sample ID: CRL3                               Date Collected: 10/6/2012 12:42:38 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:49 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CRL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2493945.6	2493945.6	1.01	mg/L			12:45:03
1	Ag 328.068†	1905.9	508.8	0.0028	mg/L	0.0028	mg/L	12:45:06
1	Al 237.313†	318.0	443.3	0.0495	mg/L	0.0495	mg/L	12:45:16
1	As 188.979†	5.8	2.8	0.0051	mg/L	0.0051	mg/L	12:45:16
1	B 182.528†	4.9	2.2	0.0097	mg/L	0.0097	mg/L	12:45:16
1	B 249.677†	25.0	20.7	0.0147	mg/L	0.0147	mg/L	12:44:39
1	Ba 233.527†	721.1	770.6	0.0088	mg/L	0.0088	mg/L	12:45:16
1	Be 313.107†	1246.8	1754.1	0.0009	mg/L	0.0009	mg/L	12:45:06
1	Ca 315.887†	11507.3	11277.4	0.0900	mg/L	0.0900	mg/L	12:45:06
1	Cd 228.802†	219.3	155.0	0.0054	mg/L	0.0054	mg/L	12:45:16
1	Co 228.616†	368.5	430.9	0.0081	mg/L	0.0081	mg/L	12:45:16
1	Cr 267.716†	1353.8	936.3	0.0071	mg/L	0.0071	mg/L	12:45:06
1	Cu 324.752†	3105.7	1851.4	0.0071	mg/L	0.0071	mg/L	12:45:06
1	Fe 234.349†	44.4	49.8	0.0610	mg/L	0.0610	mg/L	12:44:39
1	Fe 238.204†	6464.2	6263.6	0.0412	mg/L	0.0412	mg/L	12:45:06
1	K 766.490†	1147.8	971.3	0.7196	mg/L	0.7196	mg/L	12:44:29
1	Li 670.784†	154.3	328.7	0.0107	mg/L	0.0107	mg/L	12:44:29
1	Mg 279.077†	1328.6	1184.6	0.0667	mg/L	0.0667	mg/L	12:45:06
1	Mn 257.610†	6700.1	5486.4	0.0068	mg/L	0.0068	mg/L	12:45:06
1	Mo 202.031†	231.0	202.4	0.0105	mg/L	0.0105	mg/L	12:45:16
1	Na 589.592†	3411.0	3237.3	0.6308	mg/L	0.6308	mg/L	12:44:29
1	Ni 231.604†	288.5	305.3	0.0071	mg/L	0.0071	mg/L	12:45:16
1	P 214.914†	531.0	184.7	0.1376	mg/L	0.1376	mg/L	12:45:16
1	Pb 220.353†	187.7	128.3	0.0072	mg/L	0.0072	mg/L	12:45:16
1	Sb 206.836†	45.1	8.0	0.0055	mg/L	0.0055	mg/L	12:45:16
1	Se 196.026†	24.2	23.9	0.0217	mg/L	0.0217	mg/L	12:45:16
1	Sn 189.927†	61.8	58.5	0.0107	mg/L	0.0107	mg/L	12:45:16
1	Sr 407.771†	1082.7	944.4	0.0014	mg/L	0.0014	mg/L	12:44:29
1	Ti 337.279†	6974.2	7386.0	0.0084	mg/L	0.0084	mg/L	12:45:06
1	Tl 190.801†	15.9	13.8	0.0051	mg/L	0.0051	mg/L	12:45:16
1	V 292.402†	961.3	1637.8	0.0082	mg/L	0.0082	mg/L	12:45:06
1	Zn 213.857†	1807.3	993.9	0.0095	mg/L	0.0095	mg/L	12:45:16
2	Y 371.029	2511126.9	2511126.9	1.01	mg/L			12:45:18
2	Ag 328.068†	1923.1	512.8	0.0028	mg/L	0.0028	mg/L	12:45:20
2	Al 237.313†	289.8	413.3	0.0457	mg/L	0.0457	mg/L	12:45:31
2	As 188.979†	5.1	2.1	0.0042	mg/L	0.0042	mg/L	12:45:31
2	B 182.528†	4.5	1.8	0.0089	mg/L	0.0089	mg/L	12:45:31
2	B 249.677†	20.2	15.7	0.0118	mg/L	0.0118	mg/L	12:45:00
2	Ba 233.527†	718.9	763.6	0.0087	mg/L	0.0087	mg/L	12:45:31
2	Be 313.107†	1288.5	1786.8	0.0009	mg/L	0.0009	mg/L	12:45:20
2	Ca 315.887†	11819.2	11506.8	0.0922	mg/L	0.0922	mg/L	12:45:20
2	Cd 228.802†	213.0	147.3	0.0052	mg/L	0.0052	mg/L	12:45:31
2	Co 228.616†	375.8	435.5	0.0082	mg/L	0.0082	mg/L	12:45:31
2	Cr 267.716†	1351.9	925.2	0.0070	mg/L	0.0070	mg/L	12:45:20
2	Cu 324.752†	3059.1	1784.3	0.0067	mg/L	0.0067	mg/L	12:45:20
2	Fe 234.349†	52.3	57.4	0.0675	mg/L	0.0675	mg/L	12:45:00
2	Fe 238.204†	6556.9	6311.1	0.0416	mg/L	0.0416	mg/L	12:45:20
2	K 766.490†	1167.9	983.3	0.7261	mg/L	0.7261	mg/L	12:44:50
2	Li 670.784†	187.6	360.5	0.0117	mg/L	0.0117	mg/L	12:44:50
2	Mg 279.077†	1391.1	1237.3	0.0713	mg/L	0.0713	mg/L	12:45:20
2	Mn 257.610†	6755.1	5495.1	0.0068	mg/L	0.0068	mg/L	12:45:20
2	Mo 202.031†	221.2	191.0	0.0099	mg/L	0.0099	mg/L	12:45:31
2	Na 589.592†	3430.0	3232.8	0.6301	mg/L	0.6301	mg/L	12:44:50
2	Ni 231.604†	280.9	295.9	0.0067	mg/L	0.0067	mg/L	12:45:31
2	P 214.914†	510.5	160.9	0.1235	mg/L	0.1235	mg/L	12:45:31
2	Pb 220.353†	180.1	119.6	0.0064	mg/L	0.0064	mg/L	12:45:31
2	Sb 206.836†	40.9	3.5	0.0018	mg/L	0.0018	mg/L	12:45:31
2	Se 196.026†	26.8	26.3	0.0241	mg/L	0.0241	mg/L	12:45:31
2	Sn 189.927†	52.2	48.6	0.0085	mg/L	0.0085	mg/L	12:45:31
2	Sr 407.771†	1126.0	979.7	0.0015	mg/L	0.0015	mg/L	12:44:50
2	Ti 337.279†	6969.1	7333.6	0.0083	mg/L	0.0083	mg/L	12:45:20
2	Tl 190.801†	17.8	15.6	0.0063	mg/L	0.0063	mg/L	12:45:31
2	V 292.402†	960.2	1630.2	0.0082	mg/L	0.0082	mg/L	12:45:20
2	Zn 213.857†	1814.9	989.1	0.0095	mg/L	0.0095	mg/L	12:45:31

Mean Data: CRL3

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2502536.2	1.01 mg/L	0.005			0.49%

Ag	328.068†	510.8	0.0028 mg/L	0.00002	0.0028 mg/L	0.00002	0.87%
	QC value	less than the lower limit for Ag 328.068		Recovery =	56.57%		
Al	237.313†	428.3	0.0476 mg/L	0.00274	0.0476 mg/L	0.00274	5.75%
	QC value	within limits for Al 237.313		Recovery =	95.22%		
As	188.979†	2.4	0.0046 mg/L	0.00059	0.0046 mg/L	0.00059	12.77%
	QC value	less than the lower limit for As 188.979		Recovery =	46.42%		
B	182.528†	2.0	0.0093 mg/L	0.00057	0.0093 mg/L	0.00057	6.09%
	QC value	within limits for B 182.528		Recovery =	92.79%		
B	249.677†	18.2	0.0132 mg/L	0.00203	0.0132 mg/L	0.00203	15.39%
	QC value	greater than the upper limit for B 249.677		Recovery =	132.14%		
Ba	233.527†	767.1	0.0087 mg/L	0.00007	0.0087 mg/L	0.00007	0.79%
	QC value	within limits for Ba 233.527		Recovery =	87.04%		
Be	313.107†	1770.5	0.0009 mg/L	0.00001	0.0009 mg/L	0.00001	1.54%
	QC value	within limits for Be 313.107		Recovery =	89.56%		
Ca	315.887†	11392.1	0.0911 mg/L	0.00153	0.0911 mg/L	0.00153	1.68%
	QC value	within limits for Ca 315.887		Recovery =	91.13%		
Cd	228.802†	151.2	0.0053 mg/L	0.00019	0.0053 mg/L	0.00019	3.60%
	QC value	within limits for Cd 228.802		Recovery =	106.09%		
Co	228.616†	433.2	0.0081 mg/L	0.00008	0.0081 mg/L	0.00008	1.02%
	QC value	within limits for Co 228.616		Recovery =	81.31%		
Cr	267.716†	930.7	0.0071 mg/L	0.00009	0.0071 mg/L	0.00009	1.23%
	QC value	less than the lower limit for Cr 267.716		Recovery =	70.57%		
Cu	324.752†	1817.8	0.0069 mg/L	0.00027	0.0069 mg/L	0.00027	3.86%
	QC value	less than the lower limit for Cu 324.752		Recovery =	69.20%		
Fe	234.349†	53.6	0.0642 mg/L	0.00459	0.0642 mg/L	0.00459	7.14%
	QC value	greater than the upper limit for Fe 234.349		Recovery =	128.42%		
Fe	238.204†	6287.4	0.0414 mg/L	0.00028	0.0414 mg/L	0.00028	0.69%
	QC value	within limits for Fe 238.204		Recovery =	82.88%		
K	766.490†	977.3	0.7229 mg/L	0.00458	0.7229 mg/L	0.00458	0.63%
	QC value	greater than the upper limit for K 766.490		Recovery =	144.57%		
Li	670.784†	344.6	0.0112 mg/L	0.00069	0.0112 mg/L	0.00069	6.19%
	QC value	within limits for Li 670.784		Recovery =	112.27%		
Mg	279.077†	1210.9	0.0690 mg/L	0.00328	0.0690 mg/L	0.00328	4.75%
	QC value	less than the lower limit for Mg 279.077		Recovery =	69.03%		
Mn	257.610†	5490.7	0.0068 mg/L	0.00001	0.0068 mg/L	0.00001	0.16%
	QC value	less than the lower limit for Mn 257.610		Recovery =	68.32%		
Mo	202.031†	196.7	0.0102 mg/L	0.00043	0.0102 mg/L	0.00043	4.18%
	QC value	within limits for Mo 202.031		Recovery =	102.26%		
Na	589.592†	3235.0	0.6304 mg/L	0.00052	0.6304 mg/L	0.00052	0.08%
	QC value	greater than the upper limit for Na 589.592		Recovery =	126.09%		
Ni	231.604†	300.6	0.0069 mg/L	0.00024	0.0069 mg/L	0.00024	3.43%
	QC value	less than the lower limit for Ni 231.604		Recovery =	68.89%		
P	214.914†	172.8	0.1305 mg/L	0.00999	0.1305 mg/L	0.00999	7.66%
	QC value	greater than the upper limit for P 214.914		Recovery =	130.52%		
Pb	220.353†	123.9	0.0068 mg/L	0.00053	0.0068 mg/L	0.00053	7.87%
	QC value	less than the lower limit for Pb 220.353		Recovery =	67.77%		
Sb	206.836†	5.7	0.0037 mg/L	0.00264	0.0037 mg/L	0.00264	72.26%
	QC value	less than the lower limit for Sb 206.836		Recovery =	36.51%		
Se	196.026†	25.1	0.0229 mg/L	0.00165	0.0229 mg/L	0.00165	7.19%
	QC value	within limits for Se 196.026		Recovery =	114.45%		
Sn	189.927†	53.5	0.0096 mg/L	0.00157	0.0096 mg/L	0.00157	16.35%
	QC value	within limits for Sn 189.927		Recovery =	95.97%		
Sr	407.771†	962.1	0.0015 mg/L	0.00003	0.0015 mg/L	0.00003	1.79%
	QC value	greater than the upper limit for Sr 407.771		Recovery =	146.49%		
Ti	337.279†	7359.8	0.0084 mg/L	0.00005	0.0084 mg/L	0.00005	0.63%
	QC value	within limits for Ti 337.279		Recovery =	83.59%		
Tl	190.801†	14.7	0.0057 mg/L	0.00086	0.0057 mg/L	0.00086	15.02%
	QC value	less than the lower limit for Tl 190.801		Recovery =	57.21%		
V	292.402†	1634.0	0.0082 mg/L	0.00004	0.0082 mg/L	0.00004	0.47%
	QC value	within limits for V 292.402		Recovery =	81.92%		
Zn	213.857†	991.5	0.0095 mg/L	0.00003	0.0095 mg/L	0.00003	0.36%
	QC value	within limits for Zn 213.857		Recovery =	95.11%		
QC Failed. Continue with analysis.							

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Sequence No.: 11                               Autosampler Location: 160
Sample ID: IFA                                 Date Collected: 10/6/2012 12:47:11 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:50 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: IFA

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2329600.1	2329600.1	0.940	mg/L			12:49:24
1	Ag 328.068†	494.1	-858.9	-0.0018	mg/L	-0.0018	mg/L	12:49:26
1	Al 237.313†	1779402.0	1892121.5	244.3	mg/L	244.3	mg/L	12:49:24
1	As 188.979†	-26.0	-30.6	0.0019	mg/L	0.0019	mg/L	12:49:36
1	B 182.528†	15.6	14.0	0.0326	mg/L	0.0326	mg/L	12:49:36
1	B 249.677†	-9.2	-13.9	-0.0055	mg/L	-0.0055	mg/L	12:49:02
1	Ba 233.527†	184.2	250.3	0.0015	mg/L	0.0015	mg/L	12:49:36
1	Be 313.107†	72.7	593.2	0.0002	mg/L	0.0002	mg/L	12:49:26
1	Ca 315.887†	23295447.6	24769319.8	233.3	mg/L	233.3	mg/L	12:49:21
1	Cd 228.802†	89.1	31.9	0.0013	mg/L	0.0013	mg/L	12:49:36
1	Co 228.616†	590.7	693.0	-0.0047	mg/L	-0.0047	mg/L	12:49:36
1	Cr 267.716†	794.6	436.6	0.0016	mg/L	0.0016	mg/L	12:49:36
1	Cu 324.752†	49.6	-1180.5	-0.0022	mg/L	-0.0022	mg/L	12:49:36
1	Fe 234.349†	100733.6	107113.3	91.63	mg/L	91.63	mg/L	12:48:52
1	Fe 238.204†	9050301.0	9622803.9	81.32	mg/L	81.32	mg/L	12:49:21
1	K 766.490†	165.4	7.2	0.2011	mg/L	0.2011	mg/L	12:49:02
1	Li 670.784†	-79.4	91.0	0.0034	mg/L	0.0034	mg/L	12:49:02
1	Mg 279.077†	2516905.5	2676028.3	236.0	mg/L	236.0	mg/L	12:49:24
1	Mn 257.610†	1682.2	620.4	-0.0018	mg/L	-0.0018	mg/L	12:49:26
1	Mo 202.031†	278.2	268.7	-0.0145	mg/L	-0.0145	mg/L	12:49:36
1	Na 589.592†	246.0	110.9	0.1194	mg/L	0.1194	mg/L	12:49:02
1	Ni 231.604†	-6.8	11.6	-0.0033	mg/L	-0.0033	mg/L	12:49:36
1	P 214.914†	-112.2	-462.0	-0.0305	mg/L	-0.0305	mg/L	12:49:36
1	Pb 220.353†	837.5	832.3	0.0008	mg/L	0.0008	mg/L	12:49:36
1	Sb 206.836†	86.6	55.3	0.0046	mg/L	0.0046	mg/L	12:49:36
1	Se 196.026†	-38.8	-41.3	-0.0024	mg/L	-0.0024	mg/L	12:49:36
1	Sn 189.927†	-588.2	-628.2	0.1237	mg/L	0.1237	mg/L	12:49:36
1	Sr 407.771†	24169.6	25568.0	0.0273	mg/L	0.0273	mg/L	12:48:52
1	Ti 337.279†	6568676.8	6984770.3	9.882	mg/L	9.882	mg/L	12:49:24
1	Tl 190.801†	65.4	67.6	-0.0233	mg/L	-0.0233	mg/L	12:49:36
1	V 292.402†	2955.3	3825.4	-0.0036	mg/L	-0.0036	mg/L	12:49:36
1	Zn 213.857†	1599.1	899.1	0.0086	mg/L	0.0086	mg/L	12:49:36
2	Y 371.029	2304777.9	2304777.9	0.930	mg/L			12:49:44
2	Ag 328.068†	548.7	-794.5	-0.0012	mg/L	-0.0012	mg/L	12:49:46
2	Al 237.313†	1764957.8	1896974.5	244.9	mg/L	244.9	mg/L	12:49:44
2	As 188.979†	-21.1	-25.6	0.0080	mg/L	0.0080	mg/L	12:49:56
2	B 182.528†	22.3	21.4	0.0470	mg/L	0.0470	mg/L	12:49:56
2	B 249.677†	-7.9	-12.6	-0.0047	mg/L	-0.0047	mg/L	12:49:14
2	Ba 233.527†	186.7	255.1	0.0016	mg/L	0.0016	mg/L	12:49:56
2	Be 313.107†	9.0	525.6	0.0002	mg/L	0.0002	mg/L	12:49:46
2	Ca 315.887†	23260622.3	24998656.6	235.5	mg/L	235.5	mg/L	12:49:41
2	Cd 228.802†	92.7	36.8	0.0014	mg/L	0.0014	mg/L	12:49:56
2	Co 228.616†	594.2	703.5	-0.0045	mg/L	-0.0045	mg/L	12:49:56
2	Cr 267.716†	773.6	423.0	0.0015	mg/L	0.0015	mg/L	12:49:56
2	Cu 324.752†	60.6	-1168.1	-0.0021	mg/L	-0.0021	mg/L	12:49:56
2	Fe 234.349†	99237.8	106659.2	91.24	mg/L	91.24	mg/L	12:49:04
2	Fe 238.204†	9045138.5	9720893.8	82.15	mg/L	82.15	mg/L	12:49:41
2	K 766.490†	203.7	50.2	0.2242	mg/L	0.2242	mg/L	12:49:14
2	Li 670.784†	-70.8	99.3	0.0037	mg/L	0.0037	mg/L	12:49:14
2	Mg 279.077†	2486821.1	2672517.7	235.7	mg/L	235.7	mg/L	12:49:44
2	Mn 257.610†	1570.9	520.1	-0.0020	mg/L	-0.0020	mg/L	12:49:46
2	Mo 202.031†	299.8	295.1	-0.0129	mg/L	-0.0129	mg/L	12:49:56
2	Na 589.592†	257.2	125.8	0.1219	mg/L	0.1219	mg/L	12:49:14
2	Ni 231.604†	-30.5	-13.9	-0.0042	mg/L	-0.0042	mg/L	12:49:56
2	P 214.914†	-105.7	-456.3	-0.0280	mg/L	-0.0280	mg/L	12:49:56
2	Pb 220.353†	796.1	797.4	-0.0024	mg/L	-0.0024	mg/L	12:49:56
2	Sb 206.836†	83.4	52.8	0.0027	mg/L	0.0027	mg/L	12:49:56
2	Se 196.026†	-40.3	-43.4	-0.0047	mg/L	-0.0047	mg/L	12:49:56
2	Sn 189.927†	-578.9	-625.0	0.1233	mg/L	0.1233	mg/L	12:49:56
2	Sr 407.771†	23810.9	25459.3	0.0272	mg/L	0.0272	mg/L	12:49:04
2	Ti 337.279†	6515103.0	7002413.3	9.907	mg/L	9.907	mg/L	12:49:44
2	Tl 190.801†	62.1	64.8	-0.0251	mg/L	-0.0251	mg/L	12:49:56
2	V 292.402†	2984.0	3890.1	-0.0031	mg/L	-0.0031	mg/L	12:49:56
2	Zn 213.857†	1586.8	904.2	0.0087	mg/L	0.0087	mg/L	12:49:56

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2317189.0	0.935 mg/L	0.0071			0.76%

Ag	328.068†	-826.7	-0.0015 mg/L	0.00037	-0.0015 mg/L	0.00037	24.46%
	QC value within limits for Ag 328.068 Recovery = Not calculated						
Al	237.313†	1894548.0	244.6 mg/L	0.44	244.6 mg/L	0.44	0.18%
	QC value within limits for Al 237.313 Recovery = 97.83%						
As	188.979†	-28.1	0.0049 mg/L	0.00429	0.0049 mg/L	0.00429	86.77%
	QC value within limits for As 188.979 Recovery = Not calculated						
B	182.528†	17.7	0.0398 mg/L	0.01019	0.0398 mg/L	0.01019	25.59%
	QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B	249.677†	-13.3	-0.0051 mg/L	0.00054	-0.0051 mg/L	0.00054	10.64%
	QC value within limits for B 249.677 Recovery = Not calculated						
Ba	233.527†	252.7	0.0016 mg/L	0.00005	0.0016 mg/L	0.00005	2.97%
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Be	313.107†	559.4	0.0002 mg/L	0.00003	0.0002 mg/L	0.00003	16.64%
	QC value within limits for Be 313.107 Recovery = Not calculated						
Ca	315.887†	24883988.2	234.4 mg/L	1.53	234.4 mg/L	1.53	0.65%
	QC value within limits for Ca 315.887 Recovery = 93.76%						
Cd	228.802†	34.3	0.0013 mg/L	0.00010	0.0013 mg/L	0.00010	7.69%
	QC value greater than the upper limit for Cd 228.802 Recovery = Not calculated						
Co	228.616†	698.3	-0.0046 mg/L	0.00015	-0.0046 mg/L	0.00015	3.31%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr	267.716†	429.8	0.0015 mg/L	0.00010	0.0015 mg/L	0.00010	6.75%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu	324.752†	-1174.3	-0.0021 mg/L	0.00006	-0.0021 mg/L	0.00006	2.96%
	QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe	234.349†	106886.3	91.43 mg/L	0.277	91.43 mg/L	0.277	0.30%
	QC value within limits for Fe 234.349 Recovery = 91.43%						
Fe	238.204†	9671848.8	81.73 mg/L	0.586	81.73 mg/L	0.586	0.72%
	QC value within limits for Fe 238.204 Recovery = 81.73%						
K	766.490†	28.7	0.2126 mg/L	0.01638	0.2126 mg/L	0.01638	7.70%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li	670.784†	95.2	0.0035 mg/L	0.00018	0.0035 mg/L	0.00018	5.13%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	2674273.0	235.8 mg/L	0.22	235.8 mg/L	0.22	0.09%
	QC value within limits for Mg 279.077 Recovery = 94.33%						
Mn	257.610†	570.2	-0.0019 mg/L	0.00013	-0.0019 mg/L	0.00013	6.72%
	QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	281.9	-0.0137 mg/L	0.00108	-0.0137 mg/L	0.00108	7.91%
	QC value less than the lower limit for Mo 202.031 Recovery = Not calculated						
Na	589.592†	118.4	0.1206 mg/L	0.00172	0.1206 mg/L	0.00172	1.43%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	-1.2	-0.0038 mg/L	0.00064	-0.0038 mg/L	0.00064	16.77%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-459.1	-0.0293 mg/L	0.00174	-0.0293 mg/L	0.00174	5.96%
	QC value less than the lower limit for P 214.914 Recovery = Not calculated						
Pb	220.353†	814.9	-0.0008 mg/L	0.00225	-0.0008 mg/L	0.00225	286.91%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	54.0	0.0037 mg/L	0.00134	0.0037 mg/L	0.00134	36.54%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	-42.4	-0.0036 mg/L	0.00156	-0.0036 mg/L	0.00156	43.94%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	-626.6	0.1235 mg/L	0.00029	0.1235 mg/L	0.00029	0.23%
	QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	25513.6	0.0272 mg/L	0.00008	0.0272 mg/L	0.00008	0.30%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	6993591.8	9.894 mg/L	0.0177	9.894 mg/L	0.0177	0.18%
	QC value within limits for Ti 337.279 Recovery = 98.94%						
Tl	190.801†	66.2	-0.0242 mg/L	0.00125	-0.0242 mg/L	0.00125	5.14%
	QC value less than the lower limit for Tl 190.801 Recovery = Not calculated						
V	292.402†	3857.8	-0.0034 mg/L	0.00033	-0.0034 mg/L	0.00033	9.81%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	901.7	0.0086 mg/L	0.00004	0.0086 mg/L	0.00004	0.48%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

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Sequence No.: 12                               Autosampler Location: 159
Sample ID: IFB                                 Date Collected: 10/6/2012 1:15:33 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:50 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2317529.1	2317529.1	0.936	mg/L			13:17:47
1	Ag 328.068†	55792.6	58247.6	0.5015	mg/L	0.5015	mg/L	13:17:50
1	Al 237.313†	1836166.2	1962646.3	253.4	mg/L	253.4	mg/L	13:17:47
1	As 188.979†	-24.9	-29.6	0.0050	mg/L	0.0050	mg/L	13:18:00
1	B 182.528†	13.3	11.6	0.0279	mg/L	0.0279	mg/L	13:18:00
1	B 249.677†	-5.9	-10.4	-0.0040	mg/L	-0.0040	mg/L	13:17:25
1	Ba 233.527†	15919.6	17069.5	0.2342	mg/L	0.2342	mg/L	13:17:50
1	Be 313.107†	375661.2	402027.6	0.2400	mg/L	0.2400	mg/L	13:17:47
1	Ca 315.887†	24102352.2	25760763.1	242.7	mg/L	242.7	mg/L	13:17:44
1	Cd 228.802†	12480.3	13276.3	0.4705	mg/L	0.4705	mg/L	13:17:50
1	Co 228.616†	8001.8	8617.3	0.2136	mg/L	0.2136	mg/L	13:18:00
1	Cr 267.716†	20464.0	21463.8	0.2332	mg/L	0.2332	mg/L	13:17:50
1	Cu 324.752†	41532.7	43157.5	0.2397	mg/L	0.2397	mg/L	13:17:50
1	Fe 234.349†	105756.1	113039.3	96.69	mg/L	96.69	mg/L	13:17:15
1	Fe 238.204†	9333818.7	9975952.9	84.30	mg/L	84.30	mg/L	13:17:44
1	K 766.490†	166.0	8.7	0.2019	mg/L	0.2019	mg/L	13:17:25
1	Li 670.784†	-110.2	57.7	0.0024	mg/L	0.0024	mg/L	13:17:25
1	Mg 279.077†	2575467.4	2752558.9	242.7	mg/L	242.7	mg/L	13:17:47
1	Mn 257.610†	122046.5	129276.7	0.2258	mg/L	0.2258	mg/L	13:17:50
1	Mo 202.031†	304.2	298.0	-0.0147	mg/L	-0.0147	mg/L	13:18:00
1	Na 589.592†	270.5	138.6	0.1239	mg/L	0.1239	mg/L	13:17:25
1	Ni 231.604†	11157.1	11943.6	0.4195	mg/L	0.4195	mg/L	13:17:50
1	P 214.914†	-82.4	-430.8	-0.0043	mg/L	-0.0043	mg/L	13:18:00
1	Pb 220.353†	5661.1	5992.5	0.4429	mg/L	0.4429	mg/L	13:18:00
1	Sb 206.836†	74.4	42.7	-0.0080	mg/L	-0.0080	mg/L	13:18:00
1	Se 196.026†	-42.2	-45.1	-0.0040	mg/L	-0.0040	mg/L	13:18:00
1	Sn 189.927†	-595.0	-638.8	0.1361	mg/L	0.1361	mg/L	13:18:00
1	Sr 407.771†	25116.2	26713.6	0.0285	mg/L	0.0285	mg/L	13:17:15
1	Ti 337.279†	223.5	698.0	-0.0011	mg/L	-0.0011	mg/L	13:17:50
1	Tl 190.801†	48.7	50.1	-0.0258	mg/L	-0.0258	mg/L	13:18:00
1	V 292.402†	38039.1	41339.8	0.2400	mg/L	0.2400	mg/L	13:17:50
1	Zn 213.857†	42565.0	44692.8	0.4767	mg/L	0.4767	mg/L	13:17:50
2	Y 371.029	2310054.9	2310054.9	0.933	mg/L			13:18:07
2	Ag 328.068†	54984.1	57573.6	0.4959	mg/L	0.4959	mg/L	13:18:10
2	Al 237.313†	1844015.2	1977412.4	255.3	mg/L	255.3	mg/L	13:18:07
2	As 188.979†	-27.9	-32.9	0.0011	mg/L	0.0011	mg/L	13:18:20
2	B 182.528†	11.7	9.9	0.0246	mg/L	0.0246	mg/L	13:18:20
2	B 249.677†	-9.2	-14.0	-0.0061	mg/L	-0.0061	mg/L	13:17:38
2	Ba 233.527†	15696.3	16885.1	0.2316	mg/L	0.2316	mg/L	13:18:10
2	Be 313.107†	378098.0	405939.6	0.2423	mg/L	0.2423	mg/L	13:18:07
2	Ca 315.887†	24083436.2	25823830.4	243.2	mg/L	243.2	mg/L	13:18:04
2	Cd 228.802†	12283.0	13107.9	0.4645	mg/L	0.4645	mg/L	13:18:10
2	Co 228.616†	7849.9	8482.1	0.2102	mg/L	0.2102	mg/L	13:18:20
2	Cr 267.716†	20137.8	21184.9	0.2301	mg/L	0.2301	mg/L	13:18:10
2	Cu 324.752†	40981.9	42710.5	0.2372	mg/L	0.2372	mg/L	13:18:10
2	Fe 234.349†	106143.3	113820.1	97.36	mg/L	97.36	mg/L	13:17:28
2	Fe 238.204†	9325754.7	9999584.3	84.50	mg/L	84.50	mg/L	13:18:04
2	K 766.490†	150.8	-7.1	0.1934	mg/L	0.1934	mg/L	13:17:38
2	Li 670.784†	-106.7	61.1	0.0025	mg/L	0.0025	mg/L	13:17:38
2	Mg 279.077†	2587428.1	2774290.5	244.6	mg/L	244.6	mg/L	13:18:07
2	Mn 257.610†	120691.3	128245.6	0.2239	mg/L	0.2239	mg/L	13:18:10
2	Mo 202.031†	298.1	292.5	-0.0152	mg/L	-0.0152	mg/L	13:18:20
2	Na 589.592†	244.7	111.7	0.1196	mg/L	0.1196	mg/L	13:17:38
2	Ni 231.604†	10988.1	11801.0	0.4144	mg/L	0.4144	mg/L	13:18:10
2	P 214.914†	-42.8	-388.6	0.0225	mg/L	0.0225	mg/L	13:18:20
2	Pb 220.353†	5525.1	5866.2	0.4314	mg/L	0.4314	mg/L	13:18:20
2	Sb 206.836†	82.5	51.6	-0.0008	mg/L	-0.0008	mg/L	13:18:20
2	Se 196.026†	-36.0	-38.6	0.0026	mg/L	0.0026	mg/L	13:18:20
2	Sn 189.927†	-581.7	-626.6	0.1409	mg/L	0.1409	mg/L	13:18:20
2	Sr 407.771†	25331.4	27031.2	0.0288	mg/L	0.0288	mg/L	13:17:28
2	Ti 337.279†	-191.0	254.3	-0.0017	mg/L	-0.0017	mg/L	13:18:10
2	Tl 190.801†	57.8	60.0	-0.0193	mg/L	-0.0193	mg/L	13:18:20
2	V 292.402†	37546.8	40943.4	0.2374	mg/L	0.2374	mg/L	13:18:10
2	Zn 213.857†	41887.2	44113.3	0.4705	mg/L	0.4705	mg/L	13:18:10

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2313792.0	0.934 mg/L	0.0021			0.23%

Ag	328.068†	57910.6	0.4987 mg/L	0.00402	0.4987 mg/L	0.00402	0.81%
	QC value	within limits	for Ag 328.068	Recovery = 99.74%			
Al	237.313†	1970029.4	254.3 mg/L	1.35	254.3 mg/L	1.35	0.53%
	QC value	within limits	for Al 237.313	Recovery = 101.73%			
As	188.979†	-31.2	0.0031 mg/L	0.00276	0.0031 mg/L	0.00276	90.15%
	QC value	within limits	for As 188.979	Recovery = Not calculated			
B	182.528†	10.7	0.0263 mg/L	0.00232	0.0263 mg/L	0.00232	8.83%
	QC value	within limits	for B 182.528	Recovery = Not calculated			
B	249.677†	-12.2	-0.0050 mg/L	0.00147	-0.0050 mg/L	0.00147	29.23%
	QC value	within limits	for B 249.677	Recovery = Not calculated			
Ba	233.527†	16977.3	0.2329 mg/L	0.00180	0.2329 mg/L	0.00180	0.77%
	QC value	within limits	for Ba 233.527	Recovery = 93.16%			
Be	313.107†	403983.6	0.2412 mg/L	0.00165	0.2412 mg/L	0.00165	0.69%
	QC value	within limits	for Be 313.107	Recovery = 96.46%			
Ca	315.887†	25792296.8	243.0 mg/L	0.42	243.0 mg/L	0.42	0.17%
	QC value	within limits	for Ca 315.887	Recovery = 97.18%			
Cd	228.802†	13192.1	0.4675 mg/L	0.00420	0.4675 mg/L	0.00420	0.90%
	QC value	within limits	for Cd 228.802	Recovery = 93.50%			
Co	228.616†	8549.7	0.2119 mg/L	0.00240	0.2119 mg/L	0.00240	1.13%
	QC value	within limits	for Co 228.616	Recovery = 84.78%			
Cr	267.716†	21324.3	0.2316 mg/L	0.00217	0.2316 mg/L	0.00217	0.94%
	QC value	within limits	for Cr 267.716	Recovery = 92.66%			
Cu	324.752†	42934.0	0.2384 mg/L	0.00178	0.2384 mg/L	0.00178	0.75%
	QC value	within limits	for Cu 324.752	Recovery = 95.37%			
Fe	234.349†	113429.7	97.03 mg/L	0.473	97.03 mg/L	0.473	0.49%
	QC value	within limits	for Fe 234.349	Recovery = 97.03%			
Fe	238.204†	9987768.6	84.40 mg/L	0.141	84.40 mg/L	0.141	0.17%
	QC value	within limits	for Fe 238.204	Recovery = 84.40%			
K	766.490†	0.8	0.1977 mg/L	0.00600	0.1977 mg/L	0.00600	3.03%
	QC value	within limits	for K 766.490	Recovery = Not calculated			
Li	670.784†	59.4	0.0024 mg/L	0.00007	0.0024 mg/L	0.00007	3.08%
	QC value	within limits	for Li 670.784	Recovery = Not calculated			
Mg	279.077†	2763424.7	243.7 mg/L	1.36	243.7 mg/L	1.36	0.56%
	QC value	within limits	for Mg 279.077	Recovery = 97.47%			
Mn	257.610†	128761.1	0.2248 mg/L	0.00129	0.2248 mg/L	0.00129	0.57%
	QC value	within limits	for Mn 257.610	Recovery = 89.94%			
Mo	202.031†	295.2	-0.0149 mg/L	0.00035	-0.0149 mg/L	0.00035	2.36%
	QC value	within limits	for Mo 202.031	Recovery = Not calculated			
Na	589.592†	125.2	0.1218 mg/L	0.00310	0.1218 mg/L	0.00310	2.55%
	QC value	within limits	for Na 589.592	Recovery = Not calculated			
Ni	231.604†	11872.3	0.4170 mg/L	0.00357	0.4170 mg/L	0.00357	0.86%
	QC value	within limits	for Ni 231.604	Recovery = 83.39%			
P	214.914†	-409.7	0.0091 mg/L	0.01892	0.0091 mg/L	0.01892	207.59%
	QC value	within limits	for P 214.914	Recovery = Not calculated			
Pb	220.353†	5929.4	0.4371 mg/L	0.00807	0.4371 mg/L	0.00807	1.85%
	QC value	within limits	for Pb 220.353	Recovery = 87.43%			
Sb	206.836†	47.2	-0.0044 mg/L	0.00509	-0.0044 mg/L	0.00509	116.86%
	QC value	within limits	for Sb 206.836	Recovery = Not calculated			
Se	196.026†	-41.9	-0.0007 mg/L	0.00465	-0.0007 mg/L	0.00465	668.42%
	QC value	within limits	for Se 196.026	Recovery = Not calculated			
Sn	189.927†	-632.7	0.1385 mg/L	0.00333	0.1385 mg/L	0.00333	2.41%
	QC value	greater than the upper limit	for Sn 189.927	Recovery = Not calculated			
Sr	407.771†	26872.4	0.0286 mg/L	0.00024	0.0286 mg/L	0.00024	0.82%
	QC value	within limits	for Sr 407.771	Recovery = Not calculated			
Ti	337.279†	476.2	-0.0014 mg/L	0.00044	-0.0014 mg/L	0.00044	32.13%
	QC value	within limits	for Ti 337.279	Recovery = Not calculated			
Tl	190.801†	55.0	-0.0226 mg/L	0.00465	-0.0226 mg/L	0.00465	20.62%
	QC value	within limits	for Tl 190.801	Recovery = Not calculated			
V	292.402†	41141.6	0.2387 mg/L	0.00186	0.2387 mg/L	0.00186	0.78%
	QC value	within limits	for V 292.402	Recovery = 95.49%			
Zn	213.857†	44403.1	0.4736 mg/L	0.00438	0.4736 mg/L	0.00438	0.93%
	QC value	within limits	for Zn 213.857	Recovery = 94.71%			
QC Failed. Continue with analysis.							

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Sequence No.: 13                               Autosampler Location: 0
Sample ID: WASH                               Date Collected: 10/6/2012 12:55:57 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:51 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
=====

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Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2460414.7	2460414.7	0.993	mg/L			12:58:12
1	Ag 328.068†	1342.9	-32.2	-0.0018	mg/L	-0.0018	mg/L	12:58:14
1	Al 237.313†	576.5	707.9	0.0836	mg/L	0.0836	mg/L	12:58:25
1	As 188.979†	0.2	-2.7	-0.0018	mg/L	-0.0018	mg/L	12:58:25
1	B 182.528†	-0.0	-2.6	0.0002	mg/L	0.0002	mg/L	12:58:25
1	B 249.677†	0.5	-3.6	0.0005	mg/L	0.0005	mg/L	12:57:48
1	Ba 233.527†	-19.1	35.1	-0.0014	mg/L	-0.0014	mg/L	12:58:25
1	Be 313.107†	-377.0	136.3	-0.0001	mg/L	-0.0001	mg/L	12:58:14
1	Ca 315.887†	10469.4	10388.3	0.0816	mg/L	0.0816	mg/L	12:58:14
1	Cd 228.802†	75.6	13.3	0.0004	mg/L	0.0004	mg/L	12:58:25
1	Co 228.616†	-50.6	13.9	-0.0024	mg/L	-0.0024	mg/L	12:58:25
1	Cr 267.716†	424.4	18.9	-0.0030	mg/L	-0.0030	mg/L	12:58:14
1	Cu 324.752†	1225.3	0.3	-0.0033	mg/L	-0.0033	mg/L	12:58:14
1	Fe 234.349†	52.8	58.9	0.0689	mg/L	0.0689	mg/L	12:57:48
1	Fe 238.204†	5012.7	4889.8	0.0296	mg/L	0.0296	mg/L	12:58:14
1	K 766.490†	209.9	42.6	0.2201	mg/L	0.2201	mg/L	12:57:38
1	Li 670.784†	-153.1	21.3	0.0012	mg/L	0.0012	mg/L	12:57:38
1	Mg 279.077†	1234.4	1107.8	0.0599	mg/L	0.0599	mg/L	12:58:14
1	Mn 257.610†	912.5	-249.6	-0.0033	mg/L	-0.0033	mg/L	12:58:25
1	Mo 202.031†	31.1	4.2	0.0000	mg/L	0.0000	mg/L	12:58:25
1	Na 589.592†	221.2	72.1	0.1131	mg/L	0.1131	mg/L	12:57:38
1	Ni 231.604†	-18.4	0.3	-0.0038	mg/L	-0.0038	mg/L	12:58:25
1	P 214.914†	359.3	19.1	0.0393	mg/L	0.0393	mg/L	12:58:25
1	Pb 220.353†	88.5	31.0	-0.0012	mg/L	-0.0012	mg/L	12:58:25
1	Sb 206.836†	38.9	2.4	0.0008	mg/L	0.0008	mg/L	12:58:25
1	Se 196.026†	3.5	3.5	0.0019	mg/L	0.0019	mg/L	12:58:25
1	Sn 189.927†	0.1	-2.8	-0.0031	mg/L	-0.0031	mg/L	12:58:25
1	Sr 407.771†	184.7	55.0	0.0005	mg/L	0.0005	mg/L	12:57:38
1	Ti 337.279†	1085.9	1552.4	0.0001	mg/L	0.0001	mg/L	12:58:14
1	Tl 190.801†	3.9	1.9	-0.0031	mg/L	-0.0031	mg/L	12:58:25
1	V 292.402†	-532.4	147.1	-0.0013	mg/L	-0.0013	mg/L	12:58:14
1	Zn 213.857†	842.8	47.4	-0.0006	mg/L	-0.0006	mg/L	12:58:25
2	Y 371.029	2492235.4	2492235.4	1.01	mg/L			12:58:27
2	Ag 328.068†	1373.6	-19.0	-0.0017	mg/L	-0.0017	mg/L	12:58:29
2	Al 237.313†	411.7	536.7	0.0615	mg/L	0.0615	mg/L	12:58:39
2	As 188.979†	0.9	-2.1	-0.0010	mg/L	-0.0010	mg/L	12:58:39
2	B 182.528†	-4.0	-6.6	-0.0076	mg/L	-0.0076	mg/L	12:58:39
2	B 249.677†	-4.4	-8.5	-0.0023	mg/L	-0.0023	mg/L	12:58:09
2	Ba 233.527†	-38.8	15.8	-0.0017	mg/L	-0.0017	mg/L	12:58:39
2	Be 313.107†	-397.1	121.2	-0.0001	mg/L	-0.0001	mg/L	12:58:29
2	Ca 315.887†	8562.4	8358.4	0.0625	mg/L	0.0625	mg/L	12:58:29
2	Cd 228.802†	70.1	6.8	0.0002	mg/L	0.0002	mg/L	12:58:39
2	Co 228.616†	-46.1	19.1	-0.0023	mg/L	-0.0023	mg/L	12:58:39
2	Cr 267.716†	452.3	41.2	-0.0028	mg/L	-0.0028	mg/L	12:58:29
2	Cu 324.752†	1227.7	-13.0	-0.0034	mg/L	-0.0034	mg/L	12:58:29
2	Fe 234.349†	51.7	57.1	0.0674	mg/L	0.0674	mg/L	12:58:09
2	Fe 238.204†	4052.6	3871.2	0.0210	mg/L	0.0210	mg/L	12:58:29
2	K 766.490†	189.4	19.6	0.2077	mg/L	0.2077	mg/L	12:57:58
2	Li 670.784†	-159.8	16.6	0.0011	mg/L	0.0011	mg/L	12:57:58
2	Mg 279.077†	1028.8	887.6	0.0405	mg/L	0.0405	mg/L	12:58:29
2	Mn 257.610†	962.1	-212.0	-0.0033	mg/L	-0.0033	mg/L	12:58:39
2	Mo 202.031†	39.4	12.1	0.0004	mg/L	0.0004	mg/L	12:58:39
2	Na 589.592†	206.2	54.4	0.1102	mg/L	0.1102	mg/L	12:57:58
2	Ni 231.604†	-17.0	1.9	-0.0037	mg/L	-0.0037	mg/L	12:58:39
2	P 214.914†	327.2	-17.5	0.0176	mg/L	0.0176	mg/L	12:58:39
2	Pb 220.353†	58.1	-0.4	-0.0039	mg/L	-0.0039	mg/L	12:58:39
2	Sb 206.836†	37.2	0.2	-0.0010	mg/L	-0.0010	mg/L	12:58:39
2	Se 196.026†	3.2	3.1	0.0015	mg/L	0.0015	mg/L	12:58:39
2	Sn 189.927†	-0.8	-3.6	-0.0033	mg/L	-0.0033	mg/L	12:58:39
2	Sr 407.771†	189.3	57.2	0.0005	mg/L	0.0005	mg/L	12:57:58
2	Ti 337.279†	558.1	1013.9	-0.0006	mg/L	-0.0006	mg/L	12:58:29
2	Tl 190.801†	6.4	4.3	-0.0015	mg/L	-0.0015	mg/L	12:58:39
2	V 292.402†	-559.4	127.1	-0.0014	mg/L	-0.0014	mg/L	12:58:29
2	Zn 213.857†	830.4	24.1	-0.0008	mg/L	-0.0008	mg/L	12:58:39

Mean Data: WASH

Analyte	Mean Intensity	Corrected Intensity	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2476325.0		1.000 mg/L	0.0091				0.91%

Element	Value	Unit	Conc.	Unit	Conc.	Unit	Conc.	Unit
Ag 328.068†	-25.6	-0.0017	mg/L	0.00008	-0.0017	mg/L	0.00008	4.57%
Al 237.313†	622.3	0.0725	mg/L	0.01563	0.0725	mg/L	0.01563	21.55%
As 188.979†	-2.4	-0.0014	mg/L	0.00059	-0.0014	mg/L	0.00059	42.86%
B 182.528†	-4.6	-0.0037	mg/L	0.00546	-0.0037	mg/L	0.00546	147.74%
B 249.677†	-6.1	-0.0009	mg/L	0.00201	-0.0009	mg/L	0.00201	224.07%
Ba 233.527†	25.5	-0.0016	mg/L	0.00019	-0.0016	mg/L	0.00019	12.16%
Be 313.107†	128.8	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	7.38%
Ca 315.887†	9373.3	0.0721	mg/L	0.01352	0.0721	mg/L	0.01352	18.76%
Cd 228.802†	10.1	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	49.30%
Co 228.616†	16.5	-0.0023	mg/L	0.00009	-0.0023	mg/L	0.00009	3.97%
Cr 267.716†	30.0	-0.0029	mg/L	0.00017	-0.0029	mg/L	0.00017	6.04%
Cu 324.752†	-6.3	-0.0034	mg/L	0.00005	-0.0034	mg/L	0.00005	1.59%
Fe 234.349†	58.0	0.0682	mg/L	0.00105	0.0682	mg/L	0.00105	1.54%
Fe 238.204†	4380.5	0.0253	mg/L	0.00609	0.0253	mg/L	0.00609	24.05%
K 766.490†	31.1	0.2139	mg/L	0.00877	0.2139	mg/L	0.00877	4.10%
Li 670.784†	19.0	0.0012	mg/L	0.00010	0.0012	mg/L	0.00010	8.86%
Mg 279.077†	997.7	0.0502	mg/L	0.01373	0.0502	mg/L	0.01373	27.36%
Mn 257.610†	-230.8	-0.0033	mg/L	0.00005	-0.0033	mg/L	0.00005	1.43%
Mo 202.031†	8.2	0.0002	mg/L	0.00030	0.0002	mg/L	0.00030	165.29%
Na 589.592†	63.3	0.1116	mg/L	0.00206	0.1116	mg/L	0.00206	1.84%
Ni 231.604†	1.1	-0.0037	mg/L	0.00004	-0.0037	mg/L	0.00004	1.11%
P 214.914†	0.8	0.0284	mg/L	0.01538	0.0284	mg/L	0.01538	54.05%
Pb 220.353†	15.3	-0.0026	mg/L	0.00191	-0.0026	mg/L	0.00191	73.82%
Sb 206.836†	1.3	-0.0001	mg/L	0.00130	-0.0001	mg/L	0.00130	>999.9%
Se 196.026†	3.3	0.0017	mg/L	0.00026	0.0017	mg/L	0.00026	15.08%
Sn 189.927†	-3.2	-0.0032	mg/L	0.00013	-0.0032	mg/L	0.00013	4.09%
Sr 407.771†	56.1	0.0005	mg/L	0.00000	0.0005	mg/L	0.00000	0.31%
Ti 337.279†	1283.1	-0.0002	mg/L	0.00054	-0.0002	mg/L	0.00054	224.39%
Tl 190.801†	3.1	-0.0023	mg/L	0.00118	-0.0023	mg/L	0.00118	51.57%
V 292.402†	137.1	-0.0013	mg/L	0.00008	-0.0013	mg/L	0.00008	6.44%
Zn 213.857†	35.8	-0.0007	mg/L	0.00018	-0.0007	mg/L	0.00018	25.72%

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Analysis Begun

Start Time: 10/6/2012 3:28:29 PM Plasma On Time: 10/6/2012 11:46:03 AM
Logged In Analyst: ICP3 Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\100612NA.sif
Batch ID:
Results Data Set: 100612NADREP
Results Library: C:\pe\ICP3\Results\Results.mdb

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Sequence No.: 1 Autosampler Location: 3
Sample ID: CCV1 Date Collected: 10/6/2012 3:28:29 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	851.4	833.1	0.4867	mg/L	0.4867	mg/L	15:30:21
1	Fe 234.349†	3007.3	2963.3	2.547	mg/L	2.547	mg/L	15:30:21
1	K 766.490†	45564.9	44643.0	24.21	mg/L	24.21	mg/L	15:30:11
1	Li 670.784†	16333.8	16239.3	0.5022	mg/L	0.5022	mg/L	15:30:11
1	Na 589.592†	152130.4	149464.9	24.55	mg/L	24.55	mg/L	15:30:11
1	Sr 407.771†	47155.0	46244.5	0.0490	mg/L	0.0490	mg/L	15:30:11
1	Y 371.029	2518642.0	2518642.0	1.02	mg/L			15:30:38
1	Ag 328.068†	30530.8	28641.8	0.2424	mg/L	0.2424	mg/L	15:30:40
1	Al 237.313†	19433.4	19239.6	2.481	mg/L	2.481	mg/L	15:30:40
1	As 188.979†	378.9	369.6	0.4630	mg/L	0.4630	mg/L	15:30:50
1	B 182.528†	243.5	236.9	0.4676	mg/L	0.4676	mg/L	15:30:50
1	Ba 233.527†	35788.5	35251.3	0.4856	mg/L	0.4856	mg/L	15:30:40
1	Be 313.107†	84974.1	84085.2	0.0501	mg/L	0.0501	mg/L	15:30:40
1	Ca 315.887†	536608.8	527586.3	4.956	mg/L	4.956	mg/L	15:30:38
1	Cd 228.802†	7345.6	7161.4	0.2516	mg/L	0.2516	mg/L	15:30:50
1	Co 228.616†	20200.3	19931.2	0.4970	mg/L	0.4970	mg/L	15:30:40
1	Cr 267.716†	45569.0	44407.3	0.4864	mg/L	0.4864	mg/L	15:30:40
1	Cu 324.752†	90595.9	87865.0	0.4918	mg/L	0.4918	mg/L	15:30:40

1	Fe 238.204†	296969.7	291903.8	2.456 mg/L	2.456 mg/L	15:30:40
1	Mg 279.077†	57661.1	56572.9	4.953 mg/L	4.953 mg/L	15:30:40
1	Mn 257.610†	291794.0	285802.1	0.5026 mg/L	0.5026 mg/L	15:30:40
1	Mo 202.031†	9429.3	9246.3	0.4916 mg/L	0.4916 mg/L	15:30:50
1	Ni 231.604†	14180.8	13965.2	0.4919 mg/L	0.4919 mg/L	15:30:40
1	P 214.914†	8505.0	8021.7	4.794 mg/L	4.794 mg/L	15:30:50
1	Pb 220.353†	5857.6	5702.6	0.4866 mg/L	0.4866 mg/L	15:30:50
1	Sb 206.836†	611.9	565.0	0.4740 mg/L	0.4740 mg/L	15:30:50
1	Se 196.026†	1008.6	991.8	0.9614 mg/L	0.9614 mg/L	15:30:50
1	Sn 189.927†	2265.5	2225.2	0.5079 mg/L	0.5079 mg/L	15:30:50
1	Ti 337.279†	354099.4	348704.9	0.4914 mg/L	0.4914 mg/L	15:30:40
1	Tl 190.801†	734.5	720.3	0.4936 mg/L	0.4936 mg/L	15:30:50
1	V 292.402†	80095.6	79454.6	0.5012 mg/L	0.5012 mg/L	15:30:40
1	Zn 213.857†	48178.7	46581.1	0.4961 mg/L	0.4961 mg/L	15:30:40
2	B 249.677†	873.8	852.6	0.4980 mg/L	0.4980 mg/L	15:30:34
2	Fe 234.349†	3051.6	2997.8	2.577 mg/L	2.577 mg/L	15:30:34
2	K 766.490†	45739.7	44678.1	24.23 mg/L	24.23 mg/L	15:30:24
2	Li 670.784†	16315.9	16172.9	0.5002 mg/L	0.5002 mg/L	15:30:24
2	Na 589.592†	152429.4	149303.3	24.52 mg/L	24.52 mg/L	15:30:24
2	Sr 407.771†	47247.4	46194.1	0.0489 mg/L	0.0489 mg/L	15:30:24
2	Y 371.029	2526322.0	2526322.0	1.02 mg/L		15:30:53
2	Ag 328.068†	30692.6	28709.2	0.2430 mg/L	0.2430 mg/L	15:30:55
2	Al 237.313†	19526.9	19273.2	2.486 mg/L	2.486 mg/L	15:30:55
2	As 188.979†	379.6	369.2	0.4626 mg/L	0.4626 mg/L	15:31:05
2	B 182.528†	248.9	241.4	0.4764 mg/L	0.4764 mg/L	15:31:05
2	Ba 233.527†	36078.1	35428.3	0.4881 mg/L	0.4881 mg/L	15:30:55
2	Be 313.107†	85684.7	84527.9	0.0504 mg/L	0.0504 mg/L	15:30:55
2	Ca 315.887†	530701.2	520189.7	4.887 mg/L	4.887 mg/L	15:30:53
2	Cd 228.802†	7333.6	7127.6	0.2504 mg/L	0.2504 mg/L	15:31:05
2	Co 228.616†	20344.1	20011.8	0.4990 mg/L	0.4990 mg/L	15:30:55
2	Cr 267.716†	46041.1	44734.0	0.4900 mg/L	0.4900 mg/L	15:30:55
2	Cu 324.752†	91410.5	88392.8	0.4948 mg/L	0.4948 mg/L	15:30:55
2	Fe 238.204†	299629.2	293623.5	2.471 mg/L	2.471 mg/L	15:30:55
2	Mg 279.077†	58278.3	57005.7	4.992 mg/L	4.992 mg/L	15:30:55
2	Mn 257.610†	294220.7	287309.0	0.5052 mg/L	0.5052 mg/L	15:30:55
2	Mo 202.031†	9435.9	9224.6	0.4904 mg/L	0.4904 mg/L	15:31:05
2	Ni 231.604†	14275.1	14015.3	0.4937 mg/L	0.4937 mg/L	15:30:55
2	P 214.914†	8514.5	8005.6	4.784 mg/L	4.784 mg/L	15:31:05
2	Pb 220.353†	5845.7	5673.5	0.4841 mg/L	0.4841 mg/L	15:31:05
2	Sb 206.836†	613.1	564.3	0.4735 mg/L	0.4735 mg/L	15:31:05
2	Se 196.026†	1018.7	998.8	0.9681 mg/L	0.9681 mg/L	15:31:05
2	Sn 189.927†	2259.6	2212.6	0.5051 mg/L	0.5051 mg/L	15:31:05
2	Ti 337.279†	357500.6	350981.0	0.4946 mg/L	0.4946 mg/L	15:30:55
2	Tl 190.801†	735.1	718.8	0.4925 mg/L	0.4925 mg/L	15:31:05
2	V 292.402†	80786.1	79892.2	0.5039 mg/L	0.5039 mg/L	15:30:55
2	Zn 213.857†	48544.4	46795.6	0.4984 mg/L	0.4984 mg/L	15:30:55

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2522482.0	1.02 mg/L	0.002			0.22%
Ag 328.068†	28675.5	0.2427 mg/L	0.00041	0.2427 mg/L	0.00041	0.17%
QC value within limits for Ag 328.068 Recovery = 97.09%						
Al 237.313†	19256.4	2.483 mg/L	0.0031	2.483 mg/L	0.0031	0.12%
QC value within limits for Al 237.313 Recovery = 99.33%						
As 188.979†	369.4	0.4628 mg/L	0.00034	0.4628 mg/L	0.00034	0.07%
QC value within limits for As 188.979 Recovery = 92.56%						
B 182.528†	239.1	0.4720 mg/L	0.00619	0.4720 mg/L	0.00619	1.31%
QC value within limits for B 182.528 Recovery = 94.40%						
B 249.677†	842.8	0.4923 mg/L	0.00798	0.4923 mg/L	0.00798	1.62%
QC value within limits for B 249.677 Recovery = 98.47%						
Ba 233.527†	35339.8	0.4869 mg/L	0.00173	0.4869 mg/L	0.00173	0.36%
QC value within limits for Ba 233.527 Recovery = 97.37%						
Be 313.107†	84306.6	0.0502 mg/L	0.00019	0.0502 mg/L	0.00019	0.37%
QC value within limits for Be 313.107 Recovery = 100.48%						
Ca 315.887†	523888.0	4.922 mg/L	0.0493	4.922 mg/L	0.0493	1.00%
QC value within limits for Ca 315.887 Recovery = 98.43%						
Cd 228.802†	7144.5	0.2510 mg/L	0.00085	0.2510 mg/L	0.00085	0.34%
QC value within limits for Cd 228.802 Recovery = 100.41%						
Co 228.616†	19971.5	0.4980 mg/L	0.00143	0.4980 mg/L	0.00143	0.29%
QC value within limits for Co 228.616 Recovery = 99.60%						
Cr 267.716†	44570.6	0.4882 mg/L	0.00254	0.4882 mg/L	0.00254	0.52%

QC value within limits for Cr 267.716	Recovery = 97.65%						
Cu 324.752†	88128.9	0.4933 mg/L	0.00210	0.4933 mg/L	0.00210	0.43%	
QC value within limits for Cu 324.752	Recovery = 98.66%						
Fe 234.349†	2980.6	2.562 mg/L	0.0209	2.562 mg/L	0.0209	0.82%	
QC value within limits for Fe 234.349	Recovery = 102.48%						
Fe 238.204†	292763.6	2.463 mg/L	0.0103	2.463 mg/L	0.0103	0.42%	
QC value within limits for Fe 238.204	Recovery = 98.53%						
K 766.490†	44660.5	24.22 mg/L	0.013	24.22 mg/L	0.013	0.06%	
QC value within limits for K 766.490	Recovery = 96.87%						
Li 670.784†	16206.1	0.5012 mg/L	0.00145	0.5012 mg/L	0.00145	0.29%	
QC value within limits for Li 670.784	Recovery = 100.24%						
Mg 279.077†	56789.3	4.972 mg/L	0.0270	4.972 mg/L	0.0270	0.54%	
QC value within limits for Mg 279.077	Recovery = 99.45%						
Mn 257.610†	286555.6	0.5039 mg/L	0.00188	0.5039 mg/L	0.00188	0.37%	
QC value within limits for Mn 257.610	Recovery = 100.78%						
Mo 202.031†	9235.5	0.4910 mg/L	0.00083	0.4910 mg/L	0.00083	0.17%	
QC value within limits for Mo 202.031	Recovery = 98.20%						
Na 589.592†	149384.1	24.54 mg/L	0.019	24.54 mg/L	0.019	0.08%	
QC value within limits for Na 589.592	Recovery = 98.15%						
Ni 231.604†	13990.2	0.4928 mg/L	0.00125	0.4928 mg/L	0.00125	0.25%	
QC value within limits for Ni 231.604	Recovery = 98.56%						
P 214.914†	8013.6	4.789 mg/L	0.0068	4.789 mg/L	0.0068	0.14%	
QC value within limits for P 214.914	Recovery = 95.78%						
Pb 220.353†	5688.0	0.4853 mg/L	0.00178	0.4853 mg/L	0.00178	0.37%	
QC value within limits for Pb 220.353	Recovery = 97.06%						
Sb 206.836†	564.7	0.4737 mg/L	0.00038	0.4737 mg/L	0.00038	0.08%	
QC value within limits for Sb 206.836	Recovery = 94.75%						
Se 196.026†	995.3	0.9648 mg/L	0.00477	0.9648 mg/L	0.00477	0.49%	
QC value within limits for Se 196.026	Recovery = 96.48%						
Sn 189.927†	2218.9	0.5065 mg/L	0.00195	0.5065 mg/L	0.00195	0.38%	
QC value within limits for Sn 189.927	Recovery = 101.30%						
Sr 407.771†	46219.3	0.0489 mg/L	0.00004	0.0489 mg/L	0.00004	0.08%	
QC value within limits for Sr 407.771	Recovery = 97.88%						
Ti 337.279†	349842.9	0.4930 mg/L	0.00228	0.4930 mg/L	0.00228	0.46%	
QC value within limits for Ti 337.279	Recovery = 98.60%						
Tl 190.801†	719.5	0.4930 mg/L	0.00079	0.4930 mg/L	0.00079	0.16%	
QC value within limits for Tl 190.801	Recovery = 98.61%						
V 292.402†	79673.4	0.5026 mg/L	0.00194	0.5026 mg/L	0.00194	0.39%	
QC value within limits for V 292.402	Recovery = 100.52%						
Zn 213.857†	46688.4	0.4973 mg/L	0.00162	0.4973 mg/L	0.00162	0.33%	
QC value within limits for Zn 213.857	Recovery = 99.45%						

All analyte(s) passed QC.

Sequence No.: 2	Autosampler Location: 1
Sample ID: CCB1	Date Collected: 10/6/2012 3:32:43 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1.9	-2.3	0.0013 mg/L	0.0013 mg/L	15:34:42
1	Fe 234.349†	-12.3	-6.8	0.0126 mg/L	0.0126 mg/L	15:34:42
1	K 766.490†	176.4	12.1	0.2037 mg/L	0.2037 mg/L	15:34:32
1	Li 670.784†	-156.0	15.5	0.0011 mg/L	0.0011 mg/L	15:34:32
1	Na 589.592†	85.1	-63.3	0.0909 mg/L	0.0909 mg/L	15:34:32
1	Sr 407.771†	136.5	9.0	0.0005 mg/L	0.0005 mg/L	15:34:32
1	Y 371.029	2416278.6	2416278.6	0.975 mg/L		15:35:06
1	Ag 328.068†	1319.1	-32.0	-0.0018 mg/L	-0.0018 mg/L	15:35:09
1	Al 237.313†	-98.9	26.1	-0.0044 mg/L	-0.0044 mg/L	15:35:19
1	As 188.979†	-1.3	-4.3	-0.0037 mg/L	-0.0037 mg/L	15:35:19
1	B 182.528†	1.4	-1.2	0.0030 mg/L	0.0030 mg/L	15:35:19
1	Ba 233.527†	-46.0	7.3	-0.0018 mg/L	-0.0018 mg/L	15:35:19
1	Be 313.107†	-459.1	45.2	-0.0001 mg/L	-0.0001 mg/L	15:35:09
1	Ca 315.887†	178.8	31.5	-0.0159 mg/L	-0.0159 mg/L	15:35:09
1	Cd 228.802†	66.3	5.1	0.0002 mg/L	0.0002 mg/L	15:35:19
1	Co 228.616†	-58.0	5.5	-0.0026 mg/L	-0.0026 mg/L	15:35:19
1	Cr 267.716†	381.8	-16.9	-0.0034 mg/L	-0.0034 mg/L	15:35:09
1	Cu 324.752†	1166.6	-37.4	-0.0035 mg/L	-0.0035 mg/L	15:35:09
1	Fe 238.204†	165.5	13.0	-0.0116 mg/L	-0.0116 mg/L	15:35:19

1	Mg	279.077†	170.3	39.7	-0.0343	mg/L	-0.0343	mg/L	15:35:09
1	Mn	257.610†	377.1	-781.6	-0.0043	mg/L	-0.0043	mg/L	15:35:19
1	Mo	202.031†	21.5	-5.1	-0.0005	mg/L	-0.0005	mg/L	15:35:19
1	Ni	231.604†	-15.5	2.9	-0.0037	mg/L	-0.0037	mg/L	15:35:19
1	P	214.914†	346.3	12.3	0.0352	mg/L	0.0352	mg/L	15:35:19
1	Pb	220.353†	107.1	51.7	0.0006	mg/L	0.0006	mg/L	15:35:19
1	Sb	206.836†	36.6	0.7	-0.0005	mg/L	-0.0005	mg/L	15:35:19
1	Se	196.026†	-1.3	-1.4	-0.0028	mg/L	-0.0028	mg/L	15:35:19
1	Sn	189.927†	-5.0	-8.0	-0.0045	mg/L	-0.0045	mg/L	15:35:19
1	Ti	337.279†	-380.4	69.2	-0.0020	mg/L	-0.0020	mg/L	15:35:09
1	Tl	190.801†	-0.6	-2.7	-0.0063	mg/L	-0.0063	mg/L	15:35:19
1	V	292.402†	-598.9	69.1	-0.0017	mg/L	-0.0017	mg/L	15:35:09
1	Zn	213.857†	812.6	31.9	-0.0007	mg/L	-0.0007	mg/L	15:35:19
2	B	249.677†	-2.1	-6.2	-0.0010	mg/L	-0.0010	mg/L	15:35:03
2	Fe	234.349†	-10.7	-5.0	0.0142	mg/L	0.0142	mg/L	15:35:03
2	K	766.490†	153.1	-14.4	0.1895	mg/L	0.1895	mg/L	15:34:53
2	Li	670.784†	-151.9	22.3	0.0013	mg/L	0.0013	mg/L	15:34:53
2	Na	589.592†	45.9	-104.3	0.0842	mg/L	0.0842	mg/L	15:34:53
2	Sr	407.771†	140.6	10.8	0.0005	mg/L	0.0005	mg/L	15:34:53
2	Y	371.029	2456614.0	2456614.0	0.992	mg/L			15:35:21
2	Ag	328.068†	1318.9	-54.4	-0.0020	mg/L	-0.0020	mg/L	15:35:23
2	Al	237.313†	-136.7	-10.4	-0.0091	mg/L	-0.0091	mg/L	15:35:34
2	As	188.979†	-2.3	-5.3	-0.0050	mg/L	-0.0050	mg/L	15:35:34
2	B	182.528†	-0.7	-3.3	-0.0012	mg/L	-0.0012	mg/L	15:35:34
2	Ba	233.527†	-57.4	-3.4	-0.0020	mg/L	-0.0020	mg/L	15:35:34
2	Be	313.107†	-437.4	74.8	-0.0001	mg/L	-0.0001	mg/L	15:35:23
2	Ca	315.887†	109.6	-41.2	-0.0166	mg/L	-0.0166	mg/L	15:35:23
2	Cd	228.802†	66.2	3.9	0.0001	mg/L	0.0001	mg/L	15:35:34
2	Co	228.616†	-61.1	3.2	-0.0027	mg/L	-0.0027	mg/L	15:35:34
2	Cr	267.716†	392.6	-12.5	-0.0033	mg/L	-0.0033	mg/L	15:35:23
2	Cu	324.752†	1244.1	21.2	-0.0032	mg/L	-0.0032	mg/L	15:35:23
2	Fe	238.204†	212.1	57.2	-0.0112	mg/L	-0.0112	mg/L	15:35:34
2	Mg	279.077†	148.3	14.7	-0.0365	mg/L	-0.0365	mg/L	15:35:23
2	Mn	257.610†	440.8	-723.8	-0.0042	mg/L	-0.0042	mg/L	15:35:34
2	Mo	202.031†	23.3	-3.6	-0.0004	mg/L	-0.0004	mg/L	15:35:34
2	Ni	231.604†	-15.8	2.9	-0.0037	mg/L	-0.0037	mg/L	15:35:34
2	P	214.914†	361.7	22.0	0.0409	mg/L	0.0409	mg/L	15:35:34
2	Pb	220.353†	64.9	7.3	-0.0033	mg/L	-0.0033	mg/L	15:35:34
2	Sb	206.836†	37.3	0.8	-0.0005	mg/L	-0.0005	mg/L	15:35:34
2	Se	196.026†	-1.9	-1.9	-0.0034	mg/L	-0.0034	mg/L	15:35:34
2	Sn	189.927†	0.7	-2.2	-0.0032	mg/L	-0.0032	mg/L	15:35:34
2	Ti	337.279†	-236.6	220.5	-0.0017	mg/L	-0.0017	mg/L	15:35:23
2	Tl	190.801†	7.8	5.8	-0.0004	mg/L	-0.0004	mg/L	15:35:34
2	V	292.402†	-632.9	45.0	-0.0019	mg/L	-0.0019	mg/L	15:35:23
2	Zn	213.857†	812.1	17.7	-0.0009	mg/L	-0.0009	mg/L	15:35:34

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2436446.3	0.984	mg/L	0.0115				1.17%
Ag 328.068†	-43.2	-0.0019	mg/L	0.00013	-0.0019	mg/L	0.00013	7.11%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 237.313†	7.9	-0.0068	mg/L	0.00333	-0.0068	mg/L	0.00333	49.13%
QC value within limits for Al 237.313 Recovery = Not calculated								
As 188.979†	-4.8	-0.0043	mg/L	0.00088	-0.0043	mg/L	0.00088	20.35%
QC value within limits for As 188.979 Recovery = Not calculated								
B 182.528†	-2.3	0.0009	mg/L	0.00298	0.0009	mg/L	0.00298	329.48%
QC value within limits for B 182.528 Recovery = Not calculated								
B 249.677†	-4.3	0.0002	mg/L	0.00164	0.0002	mg/L	0.00164	>999.9%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	1.9	-0.0019	mg/L	0.00010	-0.0019	mg/L	0.00010	5.57%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	60.0	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	9.84%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 315.887†	-4.9	-0.0163	mg/L	0.00049	-0.0163	mg/L	0.00049	2.98%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 228.802†	4.5	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	16.81%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	4.3	-0.0026	mg/L	0.00004	-0.0026	mg/L	0.00004	1.52%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-14.7	-0.0034	mg/L	0.00003	-0.0034	mg/L	0.00003	1.03%
QC value within limits for Cr 267.716 Recovery = Not calculated								

Cu 324.752†	-8.1	-0.0034 mg/L	0.00023	-0.0034 mg/L	0.00023	6.92%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	-5.9	0.0134 mg/L	0.00112	0.0134 mg/L	0.00112	8.35%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	35.1	-0.0114 mg/L	0.00026	-0.0114 mg/L	0.00026	2.31%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	-1.1	0.1966 mg/L	0.01006	0.1966 mg/L	0.01006	5.12%
QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li 670.784†	18.9	0.0012 mg/L	0.00015	0.0012 mg/L	0.00015	12.67%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	27.2	-0.0354 mg/L	0.00156	-0.0354 mg/L	0.00156	4.40%
QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	-752.7	-0.0042 mg/L	0.00007	-0.0042 mg/L	0.00007	1.72%
QC value less than the lower limit for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	-4.4	-0.0005 mg/L	0.00006	-0.0005 mg/L	0.00006	12.11%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-83.8	0.0876 mg/L	0.00474	0.0876 mg/L	0.00474	5.41%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	2.9	-0.0037 mg/L	0.00000	-0.0037 mg/L	0.00000	0.01%
QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P 214.914†	17.2	0.0381 mg/L	0.00407	0.0381 mg/L	0.00407	10.70%
QC value greater than the upper limit for P 214.914 Recovery = Not calculated						
Pb 220.353†	29.5	-0.0013 mg/L	0.00271	-0.0013 mg/L	0.00271	202.16%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	0.8	-0.0005 mg/L	0.00005	-0.0005 mg/L	0.00005	10.09%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-1.6	-0.0031 mg/L	0.00040	-0.0031 mg/L	0.00040	12.88%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-5.1	-0.0038 mg/L	0.00093	-0.0038 mg/L	0.00093	24.38%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	9.9	0.0005 mg/L	0.00000	0.0005 mg/L	0.00000	0.29%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	144.9	-0.0019 mg/L	0.00015	-0.0019 mg/L	0.00015	8.18%
QC value less than the lower limit for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	1.6	-0.0033 mg/L	0.00420	-0.0033 mg/L	0.00420	125.70%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	57.0	-0.0018 mg/L	0.00011	-0.0018 mg/L	0.00011	5.89%
QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn 213.857†	24.8	-0.0008 mg/L	0.00011	-0.0008 mg/L	0.00011	13.45%
QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

Sequence No.: 3 Autosampler Location: 9
Sample ID: CJ20523-BLK1 Date Collected: 10/6/2012 3:37:11 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CJ20523-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-3.2	-7.4	-0.0017 mg/L	-0.0017 mg/L	15:39:09
1	Fe 234.349†	11.4	17.2	0.0332 mg/L	0.0332 mg/L	15:39:09
1	K 766.490†	202.4	34.4	0.2157 mg/L	0.2157 mg/L	15:38:59
1	Li 670.784†	-214.8	-40.1	-0.0007 mg/L	-0.0007 mg/L	15:38:59
1	Na 589.592†	207.7	57.9	0.1108 mg/L	0.1108 mg/L	15:38:59
1	Sr 407.771†	197.0	66.8	0.0005 mg/L	0.0005 mg/L	15:38:59
1	Y 371.029	2467343.9	2467343.9	0.996 mg/L		15:39:33
1	Ag 328.068†	1290.7	-88.4	-0.0023 mg/L	-0.0023 mg/L	15:39:36
1	Al 237.313†	28.5	156.1	0.0124 mg/L	0.0124 mg/L	15:39:46
1	As 188.979†	-0.0	-3.0	-0.0021 mg/L	-0.0021 mg/L	15:39:46
1	B 182.528†	-0.4	-3.1	-0.0006 mg/L	-0.0006 mg/L	15:39:46
1	Ba 233.527†	-14.9	39.4	-0.0014 mg/L	-0.0014 mg/L	15:39:46
1	Be 313.107†	-454.9	59.2	-0.0001 mg/L	-0.0001 mg/L	15:39:36
1	Ca 315.887†	7177.9	7054.2	0.0502 mg/L	0.0502 mg/L	15:39:36
1	Cd 228.802†	68.2	5.6	0.0002 mg/L	0.0002 mg/L	15:39:46
1	Co 228.616†	-68.3	-3.7	-0.0028 mg/L	-0.0028 mg/L	15:39:46
1	Cr 267.716†	428.8	22.1	-0.0030 mg/L	-0.0030 mg/L	15:39:46
1	Cu 324.752†	1578.7	351.6	-0.0013 mg/L	-0.0013 mg/L	15:39:36
1	Fe 238.204†	2535.2	2388.4	0.0085 mg/L	0.0085 mg/L	15:39:46
1	Mg 279.077†	190.0	55.8	-0.0329 mg/L	-0.0329 mg/L	15:39:36

1	Mn 257.610†	1901.8	741.0	-0.0016	mg/L	-0.0016	mg/L	15:39:46
1	Mo 202.031†	30.8	3.8	0.0000	mg/L	0.0000	mg/L	15:39:46
1	Ni 231.604†	-16.6	2.1	-0.0037	mg/L	-0.0037	mg/L	15:39:46
1	P 214.914†	416.1	75.0	0.0725	mg/L	0.0725	mg/L	15:39:46
1	Pb 220.353†	78.6	20.8	-0.0021	mg/L	-0.0021	mg/L	15:39:46
1	Sb 206.836†	42.4	5.8	0.0037	mg/L	0.0037	mg/L	15:39:46
1	Se 196.026†	5.2	5.2	0.0035	mg/L	0.0035	mg/L	15:39:46
1	Sn 189.927†	81.7	79.1	0.0153	mg/L	0.0153	mg/L	15:39:46
1	Ti 337.279†	305.2	765.5	-0.0010	mg/L	-0.0010	mg/L	15:39:36
1	Tl 190.801†	2.9	0.9	-0.0038	mg/L	-0.0038	mg/L	15:39:46
1	V 292.402†	-637.0	43.6	-0.0019	mg/L	-0.0019	mg/L	15:39:36
1	Zn 213.857†	1014.4	217.3	0.0013	mg/L	0.0013	mg/L	15:39:46
2	B 249.677†	-3.3	-7.5	-0.0017	mg/L	-0.0017	mg/L	15:39:30
2	Fe 234.349†	14.2	19.9	0.0355	mg/L	0.0355	mg/L	15:39:30
2	K 766.490†	213.1	42.4	0.2200	mg/L	0.2200	mg/L	15:39:20
2	Li 670.784†	-180.9	-3.7	0.0005	mg/L	0.0005	mg/L	15:39:20
2	Na 589.592†	183.3	30.9	0.1063	mg/L	0.1063	mg/L	15:39:20
2	Sr 407.771†	210.3	77.4	0.0005	mg/L	0.0005	mg/L	15:39:20
2	Y 371.029	2500565.8	2500565.8	1.01	mg/L			15:39:48
2	Ag 328.068†	1271.2	-124.9	-0.0026	mg/L	-0.0026	mg/L	15:39:50
2	Al 237.313†	-3.1	124.4	0.0083	mg/L	0.0083	mg/L	15:40:01
2	As 188.979†	5.1	2.0	0.0042	mg/L	0.0042	mg/L	15:40:01
2	B 182.528†	-2.9	-5.5	-0.0055	mg/L	-0.0055	mg/L	15:40:01
2	Ba 233.527†	-9.0	45.5	-0.0013	mg/L	-0.0013	mg/L	15:40:01
2	Be 313.107†	-471.1	49.2	-0.0001	mg/L	-0.0001	mg/L	15:39:50
2	Ca 315.887†	7333.8	7112.9	0.0508	mg/L	0.0508	mg/L	15:39:50
2	Cd 228.802†	76.8	13.3	0.0004	mg/L	0.0004	mg/L	15:40:01
2	Co 228.616†	-65.7	-0.2	-0.0027	mg/L	-0.0027	mg/L	15:40:01
2	Cr 267.716†	423.5	11.1	-0.0031	mg/L	-0.0031	mg/L	15:40:01
2	Cu 324.752†	1532.8	285.2	-0.0017	mg/L	-0.0017	mg/L	15:39:50
2	Fe 238.204†	2521.5	2341.1	0.0081	mg/L	0.0081	mg/L	15:40:01
2	Mg 279.077†	231.5	94.4	-0.0295	mg/L	-0.0295	mg/L	15:39:50
2	Mn 257.610†	1902.8	716.7	-0.0016	mg/L	-0.0016	mg/L	15:40:01
2	Mo 202.031†	28.5	1.1	-0.0002	mg/L	-0.0002	mg/L	15:40:01
2	Ni 231.604†	-10.2	8.7	-0.0035	mg/L	-0.0035	mg/L	15:40:01
2	P 214.914†	396.4	49.9	0.0576	mg/L	0.0576	mg/L	15:40:01
2	Pb 220.353†	71.4	12.6	-0.0028	mg/L	-0.0028	mg/L	15:40:01
2	Sb 206.836†	34.9	-2.2	-0.0030	mg/L	-0.0030	mg/L	15:40:01
2	Se 196.026†	6.4	6.3	0.0046	mg/L	0.0046	mg/L	15:40:01
2	Sn 189.927†	92.5	88.8	0.0175	mg/L	0.0175	mg/L	15:40:01
2	Ti 337.279†	367.2	822.9	-0.0009	mg/L	-0.0009	mg/L	15:39:50
2	Tl 190.801†	1.2	-0.8	-0.0050	mg/L	-0.0050	mg/L	15:40:01
2	V 292.402†	-574.1	114.4	-0.0015	mg/L	-0.0015	mg/L	15:39:50
2	Zn 213.857†	1026.4	215.5	0.0012	mg/L	0.0012	mg/L	15:40:01

Mean Data: CJ20523-BLK1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2483954.8	1.00	mg/L	0.009				0.95%
Ag 328.068†	-106.7	-0.0024	mg/L	0.00022	-0.0024	mg/L	0.00022	9.03%
Al 237.313†	140.3	0.0103	mg/L	0.00289	0.0103	mg/L	0.00289	28.02%
As 188.979†	-0.5	0.0010	mg/L	0.00444	0.0010	mg/L	0.00444	435.16%
B 182.528†	-4.3	-0.0030	mg/L	0.00340	-0.0030	mg/L	0.00340	111.37%
B 249.677†	-7.4	-0.0017	mg/L	0.00003	-0.0017	mg/L	0.00003	1.88%
Ba 233.527†	42.5	-0.0013	mg/L	0.00006	-0.0013	mg/L	0.00006	4.50%
Be 313.107†	54.2	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	3.25%
Ca 315.887†	7083.6	0.0505	mg/L	0.00039	0.0505	mg/L	0.00039	0.78%
Cd 228.802†	9.5	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	57.40%
Co 228.616†	-2.0	-0.0028	mg/L	0.00006	-0.0028	mg/L	0.00006	2.25%
Cr 267.716†	16.6	-0.0030	mg/L	0.00009	-0.0030	mg/L	0.00009	2.84%
Cu 324.752†	318.4	-0.0015	mg/L	0.00026	-0.0015	mg/L	0.00026	17.29%
Fe 234.349†	18.5	0.0343	mg/L	0.00160	0.0343	mg/L	0.00160	4.66%
Fe 238.204†	2364.7	0.0083	mg/L	0.00028	0.0083	mg/L	0.00028	3.41%
K 766.490†	38.4	0.2179	mg/L	0.00302	0.2179	mg/L	0.00302	1.38%
Li 670.784†	-21.9	-0.0001	mg/L	0.00080	-0.0001	mg/L	0.00080	834.98%
Mg 279.077†	75.1	-0.0312	mg/L	0.00241	-0.0312	mg/L	0.00241	7.72%
Mn 257.610†	728.8	-0.0016	mg/L	0.00003	-0.0016	mg/L	0.00003	1.91%
Mo 202.031†	2.4	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	87.58%
Na 589.592†	44.4	0.1086	mg/L	0.00312	0.1086	mg/L	0.00312	2.88%
Ni 231.604†	5.4	-0.0036	mg/L	0.00017	-0.0036	mg/L	0.00017	4.61%
P 214.914†	62.5	0.0650	mg/L	0.01053	0.0650	mg/L	0.01053	16.19%
Pb 220.353†	16.7	-0.0025	mg/L	0.00050	-0.0025	mg/L	0.00050	20.44%

Sb 206.836†	1.8	0.0003 mg/L	0.00475	0.0003 mg/L	0.00475	>999.9%
Se 196.026†	5.7	0.0041 mg/L	0.00072	0.0041 mg/L	0.00072	17.78%
Sn 189.927†	83.9	0.0164 mg/L	0.00154	0.0164 mg/L	0.00154	9.41%
Sr 407.771†	72.1	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	1.48%
Ti 337.279†	794.2	-0.0009 mg/L	0.00006	-0.0009 mg/L	0.00006	6.16%
Tl 190.801†	0.1	-0.0044 mg/L	0.00086	-0.0044 mg/L	0.00086	19.56%
V 292.402†	79.0	-0.0017 mg/L	0.00031	-0.0017 mg/L	0.00031	18.65%
Zn 213.857†	216.4	0.0013 mg/L	0.00001	0.0013 mg/L	0.00001	1.09%

Sequence No.: 4
Sample ID: CJ20523-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 10/6/2012 3:41:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Analysis Time
1	B 249.677†	740.3	710.8	0.4150	mg/L	0.4150 mg/L	15:43:19
1	Fe 234.349†	84322.7	81446.8	69.80	mg/L	69.80 mg/L	15:43:17
1	K 766.490†	29306.6	28136.3	15.33	mg/L	15.33 mg/L	15:43:19
1	Li 670.784†	1200.1	1334.5	0.0418	mg/L	0.0418 mg/L	15:43:19
1	Na 589.592†	10779.8	10260.8	1.780	mg/L	1.780 mg/L	15:43:19
1	Sr 407.771†	609850.2	588878.1	0.6182	mg/L	0.6182 mg/L	15:43:17
1	Y 371.029	2564651.1	2564651.1	1.04	mg/L		15:43:32
1	Ag 328.068†	23815.2	21617.1	0.1878	mg/L	0.1878 mg/L	15:43:32
1	Al 237.313†	400565.2	387003.7	49.96	mg/L	49.96 mg/L	15:43:32
1	As 188.979†	605.2	581.5	0.7557	mg/L	0.7557 mg/L	15:43:42
1	B 182.528†	194.4	185.1	0.3665	mg/L	0.3665 mg/L	15:43:42
1	Ba 233.527†	71206.0	68827.0	0.9503	mg/L	0.9503 mg/L	15:43:32
1	Be 313.107†	857920.0	829117.0	0.4951	mg/L	0.4951 mg/L	15:43:32
1	Ca 315.887†	3614074.8	3490414.6	32.87	mg/L	32.87 mg/L	15:43:28
1	Cd 228.802†	13453.1	12930.5	0.4549	mg/L	0.4549 mg/L	15:43:42
1	Co 228.616†	25009.0	24219.2	0.6030	mg/L	0.6030 mg/L	15:43:42
1	Cr 267.716†	51216.8	49058.1	0.5374	mg/L	0.5374 mg/L	15:43:32
1	Cu 324.752†	99432.9	94801.6	0.5315	mg/L	0.5315 mg/L	15:43:32
1	Fe 238.204†	7727660.8	7463416.7	63.07	mg/L	63.07 mg/L	15:43:28
1	Mg 279.077†	157714.3	152189.6	13.39	mg/L	13.39 mg/L	15:43:32
1	Mn 257.610†	945340.5	911865.9	1.609	mg/L	1.609 mg/L	15:43:32
1	Mo 202.031†	5947.2	5716.9	0.2825	mg/L	0.2825 mg/L	15:43:42
1	Ni 231.604†	9402.9	9100.4	0.3192	mg/L	0.3192 mg/L	15:43:42
1	P 214.914†	4470.1	3974.7	2.545	mg/L	2.545 mg/L	15:43:42
1	Pb 220.353†	4578.2	4363.6	0.3570	mg/L	0.3570 mg/L	15:43:42
1	Sb 206.836†	886.8	819.7	0.6586	mg/L	0.6586 mg/L	15:43:42
1	Se 196.026†	557.3	538.2	0.5502	mg/L	0.5502 mg/L	15:43:42
1	Sn 189.927†	3032.4	2925.9	0.8629	mg/L	0.8629 mg/L	15:43:42
1	Ti 337.279†	960504.9	928139.4	1.311	mg/L	1.311 mg/L	15:43:32
1	Tl 190.801†	1420.7	1370.2	0.9080	mg/L	0.9080 mg/L	15:43:42
1	V 292.402†	71575.9	69813.0	0.4264	mg/L	0.4264 mg/L	15:43:32
1	Zn 213.857†	120510.6	115591.1	1.239	mg/L	1.239 mg/L	15:43:32
2	B 249.677†	752.1	717.3	0.4188	mg/L	0.4188 mg/L	15:43:23
2	Fe 234.349†	84686.3	81247.6	69.63	mg/L	69.63 mg/L	15:43:21
2	K 766.490†	29115.9	27762.9	15.13	mg/L	15.13 mg/L	15:43:23
2	Li 670.784†	1207.6	1333.9	0.0418	mg/L	0.0418 mg/L	15:43:23
2	Na 589.592†	10718.0	10131.4	1.759	mg/L	1.759 mg/L	15:43:23
2	Sr 407.771†	611871.9	586854.2	0.6161	mg/L	0.6161 mg/L	15:43:21
2	Y 371.029	2582025.1	2582025.1	1.04	mg/L		15:43:48
2	Ag 328.068†	24063.0	21700.1	0.1885	mg/L	0.1885 mg/L	15:43:48
2	Al 237.313†	403134.3	386865.0	49.94	mg/L	49.94 mg/L	15:43:48
2	As 188.979†	591.2	564.1	0.7340	mg/L	0.7340 mg/L	15:43:59
2	B 182.528†	202.5	191.6	0.3793	mg/L	0.3793 mg/L	15:43:59
2	Ba 233.527†	71546.5	68690.9	0.9484	mg/L	0.9484 mg/L	15:43:48
2	Be 313.107†	860212.9	825741.2	0.4931	mg/L	0.4931 mg/L	15:43:48
2	Ca 315.887†	3594016.8	3447685.1	32.46	mg/L	32.46 mg/L	15:43:45
2	Cd 228.802†	13413.8	12805.4	0.4505	mg/L	0.4505 mg/L	15:43:59
2	Co 228.616†	24891.1	23943.6	0.5960	mg/L	0.5960 mg/L	15:43:59
2	Cr 267.716†	51403.1	48904.0	0.5357	mg/L	0.5357 mg/L	15:43:48
2	Cu 324.752†	100229.9	94920.0	0.5322	mg/L	0.5322 mg/L	15:43:48
2	Fe 238.204†	7688499.3	7375627.1	62.33	mg/L	62.33 mg/L	15:43:45
2	Mg 279.077†	158376.2	151799.6	13.36	mg/L	13.36 mg/L	15:43:48
2	Mn 257.610†	949582.6	909791.8	1.606	mg/L	1.606 mg/L	15:43:48

2	Mo 202.031†	5917.5	5649.7	0.2789 mg/L	0.2789 mg/L	15:43:59
2	Ni 231.604†	9397.1	9033.7	0.3168 mg/L	0.3168 mg/L	15:43:59
2	P 214.914†	4442.9	3919.5	2.512 mg/L	2.512 mg/L	15:43:59
2	Pb 220.353†	4515.9	4274.0	0.3493 mg/L	0.3493 mg/L	15:43:59
2	Sb 206.836†	887.9	815.0	0.6547 mg/L	0.6547 mg/L	15:43:59
2	Se 196.026†	556.4	533.8	0.5458 mg/L	0.5458 mg/L	15:43:59
2	Sn 189.927†	3016.9	2891.4	0.8546 mg/L	0.8546 mg/L	15:43:59
2	Ti 337.279†	966788.4	927925.2	1.311 mg/L	1.311 mg/L	15:43:48
2	Tl 190.801†	1408.8	1349.5	0.8937 mg/L	0.8937 mg/L	15:43:59
2	V 292.402†	72158.2	69906.3	0.4269 mg/L	0.4269 mg/L	15:43:48
2	Zn 213.857†	121211.6	115480.4	1.238 mg/L	1.238 mg/L	15:43:48

Mean Data: CJ20523-BS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2573338.1	1.04	mg/L	0.005			0.48%
Ag 328.068†	21658.6	0.1882	mg/L	0.00049	0.1882 mg/L	0.00049	0.26%
Al 237.313†	386934.3	49.95	mg/L	0.013	49.95 mg/L	0.013	0.03%
As 188.979†	572.8	0.7449	mg/L	0.01538	0.7449 mg/L	0.01538	2.06%
B 182.528†	188.3	0.3729	mg/L	0.00898	0.3729 mg/L	0.00898	2.41%
B 249.677†	714.1	0.4169	mg/L	0.00269	0.4169 mg/L	0.00269	0.64%
Ba 233.527†	68758.9	0.9494	mg/L	0.00133	0.9494 mg/L	0.00133	0.14%
Be 313.107†	827429.1	0.4941	mg/L	0.00143	0.4941 mg/L	0.00143	0.29%
Ca 315.887†	3469049.9	32.67	mg/L	0.285	32.67 mg/L	0.285	0.87%
Cd 228.802†	12867.9	0.4527	mg/L	0.00307	0.4527 mg/L	0.00307	0.68%
Co 228.616†	24081.4	0.5995	mg/L	0.00490	0.5995 mg/L	0.00490	0.82%
Cr 267.716†	48981.1	0.5366	mg/L	0.00120	0.5366 mg/L	0.00120	0.22%
Cu 324.752†	94860.8	0.5319	mg/L	0.00047	0.5319 mg/L	0.00047	0.09%
Fe 234.349†	81347.2	69.72	mg/L	0.120	69.72 mg/L	0.120	0.17%
Fe 238.204†	7419521.9	62.70	mg/L	0.525	62.70 mg/L	0.525	0.84%
K 766.490†	27949.6	15.23	mg/L	0.142	15.23 mg/L	0.142	0.93%
Li 670.784†	1334.2	0.0418	mg/L	0.00001	0.0418 mg/L	0.00001	0.03%
Mg 279.077†	151994.6	13.37	mg/L	0.024	13.37 mg/L	0.024	0.18%
Mn 257.610†	910828.9	1.608	mg/L	0.0026	1.608 mg/L	0.0026	0.16%
Mo 202.031†	5683.3	0.2807	mg/L	0.00250	0.2807 mg/L	0.00250	0.89%
Na 589.592†	10196.1	1.769	mg/L	0.0150	1.769 mg/L	0.0150	0.85%
Ni 231.604†	9067.0	0.3180	mg/L	0.00168	0.3180 mg/L	0.00168	0.53%
P 214.914†	3947.1	2.529	mg/L	0.0235	2.529 mg/L	0.0235	0.93%
Pb 220.353†	4318.8	0.3532	mg/L	0.00546	0.3532 mg/L	0.00546	1.55%
Sb 206.836†	817.3	0.6567	mg/L	0.00272	0.6567 mg/L	0.00272	0.41%
Se 196.026†	536.0	0.5480	mg/L	0.00311	0.5480 mg/L	0.00311	0.57%
Sn 189.927†	2908.6	0.8588	mg/L	0.00587	0.8588 mg/L	0.00587	0.68%
Sr 407.771†	587866.1	0.6172	mg/L	0.00150	0.6172 mg/L	0.00150	0.24%
Ti 337.279†	928032.3	1.311	mg/L	0.0002	1.311 mg/L	0.0002	0.02%
Tl 190.801†	1359.9	0.9009	mg/L	0.01012	0.9009 mg/L	0.01012	1.12%
V 292.402†	69859.7	0.4266	mg/L	0.00041	0.4266 mg/L	0.00041	0.10%
Zn 213.857†	115535.8	1.238	mg/L	0.0008	1.238 mg/L	0.0008	0.07%

Sequence No.: 5

Sample ID: CJ20523-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 11

Date Collected: 10/6/2012 3:45:36 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20523-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	824.6	806.7	0.4707 mg/L	0.4707 mg/L	15:47:17
1	Fe 234.349†	90940.6	89437.3	76.65 mg/L	76.65 mg/L	15:47:15
1	K 766.490†	32749.7	32037.5	17.43 mg/L	17.43 mg/L	15:47:17
1	Li 670.784†	1421.5	1573.4	0.0492 mg/L	0.0492 mg/L	15:47:17
1	Na 589.592†	11502.6	11161.2	1.927 mg/L	1.927 mg/L	15:47:17
1	Sr 407.771†	661202.5	650099.4	0.6824 mg/L	0.6824 mg/L	15:47:15
1	Y 371.029	2518803.5	2518803.5	1.02 mg/L		15:47:31
1	Ag 328.068†	25551.5	23743.3	0.2065 mg/L	0.2065 mg/L	15:47:31
1	Al 237.313†	449347.0	442017.9	57.06 mg/L	57.06 mg/L	15:47:31
1	As 188.979†	653.0	639.2	0.8305 mg/L	0.8305 mg/L	15:47:41
1	B 182.528†	218.0	211.7	0.4185 mg/L	0.4185 mg/L	15:47:41
1	Ba 233.527†	78582.6	77333.0	1.068 mg/L	1.068 mg/L	15:47:31
1	Be 313.107†	944798.5	929636.2	0.5552 mg/L	0.5552 mg/L	15:47:31

1	Ca	315.887†	3992835.7	3926426.0	36.97	mg/L	36.97	mg/L	15:47:27
1	Cd	228.802†	14906.9	14596.7	0.5136	mg/L	0.5136	mg/L	15:47:41
1	Co	228.616†	27755.4	27359.6	0.6814	mg/L	0.6814	mg/L	15:47:41
1	Cr	267.716†	57069.6	55714.2	0.6108	mg/L	0.6108	mg/L	15:47:31
1	Cu	324.752†	112508.7	109408.5	0.6140	mg/L	0.6140	mg/L	15:47:31
1	Fe	238.204†	8626375.6	8483071.1	71.69	mg/L	71.69	mg/L	15:47:27
1	Mg	279.077†	175313.9	172269.8	15.16	mg/L	15.16	mg/L	15:47:31
1	Mn	257.610†	1055922.3	1037231.9	1.831	mg/L	1.831	mg/L	15:47:31
1	Mo	202.031†	6579.9	6443.6	0.3190	mg/L	0.3190	mg/L	15:47:41
1	Ni	231.604†	10478.5	10323.4	0.3626	mg/L	0.3626	mg/L	15:47:41
1	P	214.914†	4563.4	4145.0	2.661	mg/L	2.661	mg/L	15:47:41
1	Pb	220.353†	4822.9	4684.7	0.3825	mg/L	0.3825	mg/L	15:47:41
1	Sb	206.836†	990.8	937.6	0.7549	mg/L	0.7549	mg/L	15:47:41
1	Se	196.026†	622.4	612.0	0.6247	mg/L	0.6247	mg/L	15:47:41
1	Sn	189.927†	3194.1	3138.3	0.9310	mg/L	0.9310	mg/L	15:47:41
1	Ti	337.279†	1115832.8	1097775.6	1.551	mg/L	1.551	mg/L	15:47:31
1	Tl	190.801†	1541.0	1513.4	1.003	mg/L	1.003	mg/L	15:47:41
1	V	292.402†	80030.7	79385.8	0.4856	mg/L	0.4856	mg/L	15:47:31
1	Zn	213.857†	133771.3	130750.3	1.402	mg/L	1.402	mg/L	15:47:31
2	B	249.677†	793.1	774.7	0.4520	mg/L	0.4520	mg/L	15:47:22
2	Fe	234.349†	91718.5	90079.3	77.20	mg/L	77.20	mg/L	15:47:20
2	K	766.490†	32156.4	31411.0	17.09	mg/L	17.09	mg/L	15:47:22
2	Li	670.784†	1419.3	1569.3	0.0491	mg/L	0.0491	mg/L	15:47:22
2	Na	589.592†	11259.5	10906.9	1.885	mg/L	1.885	mg/L	15:47:22
2	Sr	407.771†	666856.3	654765.1	0.6873	mg/L	0.6873	mg/L	15:47:20
2	Y	371.029	2522243.2	2522243.2	1.02	mg/L	1.02	mg/L	15:47:47
2	Ag	328.068†	25686.9	23842.0	0.2074	mg/L	0.2074	mg/L	15:47:47
2	Al	237.313†	450495.9	442543.7	57.13	mg/L	57.13	mg/L	15:47:47
2	As	188.979†	651.1	636.5	0.8273	mg/L	0.8273	mg/L	15:47:58
2	B	182.528†	221.4	214.7	0.4244	mg/L	0.4244	mg/L	15:47:58
2	Ba	233.527†	78749.4	77391.4	1.069	mg/L	1.069	mg/L	15:47:47
2	Be	313.107†	945836.4	929388.4	0.5550	mg/L	0.5550	mg/L	15:47:47
2	Ca	315.887†	4022881.4	3950578.0	37.20	mg/L	37.20	mg/L	15:47:44
2	Cd	228.802†	15004.4	14672.4	0.5163	mg/L	0.5163	mg/L	15:47:58
2	Co	228.616†	28001.8	27564.5	0.6865	mg/L	0.6865	mg/L	15:47:58
2	Cr	267.716†	56995.9	55565.3	0.6091	mg/L	0.6091	mg/L	15:47:47
2	Cu	324.752†	112494.5	109243.7	0.6130	mg/L	0.6130	mg/L	15:47:47
2	Fe	238.204†	8676069.2	8520304.6	72.00	mg/L	72.00	mg/L	15:47:44
2	Mg	279.077†	175510.0	172227.3	15.16	mg/L	15.16	mg/L	15:47:47
2	Mn	257.610†	1057363.9	1037231.5	1.831	mg/L	1.831	mg/L	15:47:47
2	Mo	202.031†	6612.0	6466.3	0.3201	mg/L	0.3201	mg/L	15:47:58
2	Ni	231.604†	10533.8	10363.7	0.3640	mg/L	0.3640	mg/L	15:47:58
2	P	214.914†	4593.0	4167.9	2.676	mg/L	2.676	mg/L	15:47:58
2	Pb	220.353†	4906.8	4760.6	0.3891	mg/L	0.3891	mg/L	15:47:58
2	Sb	206.836†	1000.1	945.3	0.7612	mg/L	0.7612	mg/L	15:47:58
2	Se	196.026†	631.3	619.9	0.6326	mg/L	0.6326	mg/L	15:47:58
2	Sn	189.927†	3219.6	3159.0	0.9373	mg/L	0.9373	mg/L	15:47:58
2	Ti	337.279†	1117539.6	1097955.3	1.552	mg/L	1.552	mg/L	15:47:47
2	Tl	190.801†	1557.6	1527.7	1.013	mg/L	1.013	mg/L	15:47:58
2	V	292.402†	80030.7	79278.5	0.4848	mg/L	0.4848	mg/L	15:47:47
2	Zn	213.857†	133976.3	130772.2	1.402	mg/L	1.402	mg/L	15:47:47

Mean Data: CJ20523-BSD1

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	2520523.3	1.02	mg/L	0.001				
Ag 328.068†	23792.6	0.2069	mg/L	0.00062	0.2069	mg/L	0.00062	0.30%
Al 237.313†	442280.8	57.10	mg/L	0.048	57.10	mg/L	0.048	0.08%
As 188.979†	637.8	0.8289	mg/L	0.00225	0.8289	mg/L	0.00225	0.27%
B 182.528†	213.2	0.4215	mg/L	0.00415	0.4215	mg/L	0.00415	0.99%
B 249.677†	790.7	0.4613	mg/L	0.01317	0.4613	mg/L	0.01317	2.86%
Ba 233.527†	77362.2	1.068	mg/L	0.0006	1.068	mg/L	0.0006	0.05%
Be 313.107†	929512.3	0.5551	mg/L	0.00010	0.5551	mg/L	0.00010	0.02%
Ca 315.887†	3938502.0	37.09	mg/L	0.161	37.09	mg/L	0.161	0.43%
Cd 228.802†	14634.6	0.5149	mg/L	0.00191	0.5149	mg/L	0.00191	0.37%
Co 228.616†	27462.1	0.6839	mg/L	0.00364	0.6839	mg/L	0.00364	0.53%
Cr 267.716†	55639.8	0.6100	mg/L	0.00116	0.6100	mg/L	0.00116	0.19%
Cu 324.752†	109326.1	0.6135	mg/L	0.00066	0.6135	mg/L	0.00066	0.11%
Fe 234.349†	89758.3	76.92	mg/L	0.389	76.92	mg/L	0.389	0.51%
Fe 238.204†	8501687.9	71.84	mg/L	0.223	71.84	mg/L	0.223	0.31%
K 766.490†	31724.2	17.26	mg/L	0.238	17.26	mg/L	0.238	1.38%
Li 670.784†	1571.4	0.0491	mg/L	0.00009	0.0491	mg/L	0.00009	0.18%

Mg 279.077†	172248.5	15.16 mg/L	0.0003	15.16 mg/L	0.0003	0.02%
Mn 257.610†	1037231.7	1.831 mg/L	0.0000	1.831 mg/L	0.0000	0.00%
Mo 202.031†	6454.9	0.3195 mg/L	0.00074	0.3195 mg/L	0.00074	0.23%
Na 589.592†	11034.0	1.906 mg/L	0.0294	1.906 mg/L	0.0294	1.54%
Ni 231.604†	10343.6	0.3633 mg/L	0.00101	0.3633 mg/L	0.00101	0.28%
P 214.914†	4156.4	2.669 mg/L	0.0106	2.669 mg/L	0.0106	0.40%
Pb 220.353†	4722.7	0.3858 mg/L	0.00462	0.3858 mg/L	0.00462	1.20%
Sb 206.836†	941.5	0.7580 mg/L	0.00444	0.7580 mg/L	0.00444	0.59%
Se 196.026†	616.0	0.6286 mg/L	0.00559	0.6286 mg/L	0.00559	0.89%
Sn 189.927†	3148.6	0.9341 mg/L	0.00445	0.9341 mg/L	0.00445	0.48%
Sr 407.771†	652432.3	0.6849 mg/L	0.00346	0.6849 mg/L	0.00346	0.51%
Ti 337.279†	1097865.4	1.551 mg/L	0.0002	1.551 mg/L	0.0002	0.01%
Tl 190.801†	1520.5	1.008 mg/L	0.0068	1.008 mg/L	0.0068	0.68%
V 292.402†	79332.1	0.4852 mg/L	0.00055	0.4852 mg/L	0.00055	0.11%
Zn 213.857†	130761.3	1.402 mg/L	0.0002	1.402 mg/L	0.0002	0.01%

Sequence No.: 6
Sample ID: 1210010-01 @20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 10/6/2012 3:49:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210010-01 @20

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	11.9	7.2	0.0068 mg/L	0.0068 mg/L	15:51:27
1	Fe 234.349†	16108.0	15391.4	13.20 mg/L	13.20 mg/L	15:51:17
1	K 766.490†	1411.7	1179.7	0.8317 mg/L	0.8317 mg/L	15:51:17
1	Li 670.784†	-102.3	77.8	0.0030 mg/L	0.0030 mg/L	15:51:17
1	Na 589.592†	28550.0	27119.1	4.537 mg/L	4.537 mg/L	15:51:17
1	Sr 407.771†	88353.2	84260.0	0.0888 mg/L	0.0888 mg/L	15:51:17
1	Y 371.029	2593304.4	2593304.4	1.05 mg/L	1.05 mg/L	15:51:45
1	Ag 328.068†	1507.5	55.7	0.0000 mg/L	0.0000 mg/L	15:51:47
1	Al 237.313†	80953.7	77450.8	9.992 mg/L	9.992 mg/L	15:51:47
1	As 188.979†	1.9	-1.2	0.0057 mg/L	0.0057 mg/L	15:51:57
1	B 182.528†	-4.3	-6.8	-0.0079 mg/L	-0.0079 mg/L	15:51:57
1	Ba 233.527†	37823.0	36181.2	0.4988 mg/L	0.4988 mg/L	15:51:47
1	Be 313.107†	-35.1	482.3	0.0001 mg/L	0.0001 mg/L	15:51:47
1	Ca 315.887†	997148.2	952278.7	8.954 mg/L	8.954 mg/L	15:51:45
1	Cd 228.802†	92.1	25.2	0.0009 mg/L	0.0009 mg/L	15:51:57
1	Co 228.616†	6.4	71.0	-0.0012 mg/L	-0.0012 mg/L	15:51:57
1	Cr 267.716†	18442.2	17206.8	0.1863 mg/L	0.1863 mg/L	15:51:47
1	Cu 324.752†	4413239.0	4214091.3	23.73 mg/L	23.73 mg/L	15:51:45
1	Fe 238.204†	1557963.4	1487938.9	12.56 mg/L	12.56 mg/L	15:51:45
1	Mg 279.077†	17805.7	16872.3	1.451 mg/L	1.451 mg/L	15:51:47
1	Mn 257.610†	52441.9	48921.9	0.0836 mg/L	0.0836 mg/L	15:51:47
1	Mo 202.031†	57.1	27.4	-0.0194 mg/L	-0.0194 mg/L	15:51:57
1	Ni 231.604†	800.0	782.9	0.0240 mg/L	0.0240 mg/L	15:51:57
1	P 214.914†	38907.5	36820.0	21.52 mg/L	21.52 mg/L	15:51:47
1	Pb 220.353†	1525.8	1399.3	0.0867 mg/L	0.0867 mg/L	15:51:57
1	Sb 206.836†	41.6	2.9	-0.0046 mg/L	-0.0046 mg/L	15:51:57
1	Se 196.026†	0.5	0.5	0.0046 mg/L	0.0046 mg/L	15:51:57
1	Sn 189.927†	166.8	156.4	0.0713 mg/L	0.0713 mg/L	15:51:57
1	Ti 337.279†	82960.5	79699.2	0.1107 mg/L	0.1107 mg/L	15:51:47
1	Tl 190.801†	11.2	8.7	-0.0060 mg/L	-0.0060 mg/L	15:51:57
1	V 292.402†	1227.1	1855.2	0.0080 mg/L	0.0080 mg/L	15:51:47
1	Zn 213.857†	924832.7	882556.9	9.444 mg/L	9.444 mg/L	15:51:45
2	B 249.677†	11.4	6.7	0.0065 mg/L	0.0065 mg/L	15:51:40
2	Fe 234.349†	16058.8	15229.0	13.06 mg/L	13.06 mg/L	15:51:30
2	K 766.490†	1444.8	1200.9	0.8431 mg/L	0.8431 mg/L	15:51:30
2	Li 670.784†	-117.0	64.5	0.0026 mg/L	0.0026 mg/L	15:51:30
2	Na 589.592†	28486.4	26853.6	4.494 mg/L	4.494 mg/L	15:51:30
2	Sr 407.771†	87976.4	83267.8	0.0878 mg/L	0.0878 mg/L	15:51:30
2	Y 371.029	2612966.0	2612966.0	1.05 mg/L	1.05 mg/L	15:52:00
2	Ag 328.068†	1515.6	52.5	-0.0001 mg/L	-0.0001 mg/L	15:52:03
2	Al 237.313†	79594.5	75580.4	9.751 mg/L	9.751 mg/L	15:52:03
2	As 188.979†	8.6	5.1	0.0135 mg/L	0.0135 mg/L	15:52:13
2	B 182.528†	-2.2	-4.7	-0.0039 mg/L	-0.0039 mg/L	15:52:13
2	Ba 233.527†	37175.5	35295.6	0.4865 mg/L	0.4865 mg/L	15:52:03
2	Be 313.107†	-100.4	420.6	0.0001 mg/L	0.0001 mg/L	15:52:03
2	Ca 315.887†	1004262.9	951856.5	8.950 mg/L	8.950 mg/L	15:52:00

2	Cd	228.802†	97.8	29.9	0.0010	mg/L	0.0010	mg/L	15:52:13
2	Co	228.616†	7.4	71.9	-0.0011	mg/L	-0.0011	mg/L	15:52:13
2	Cr	267.716†	18177.8	16823.6	0.1821	mg/L	0.1821	mg/L	15:52:03
2	Cu	324.752†	4446624.1	4214020.5	23.73	mg/L	23.73	mg/L	15:52:00
2	Fe	238.204†	1568133.3	1486382.2	12.55	mg/L	12.55	mg/L	15:52:00
2	Mg	279.077†	17579.8	16530.1	1.420	mg/L	1.420	mg/L	15:52:03
2	Mn	257.610†	51710.4	47851.5	0.0817	mg/L	0.0817	mg/L	15:52:03
2	Mo	202.031†	48.4	18.8	-0.0198	mg/L	-0.0198	mg/L	15:52:13
2	Ni	231.604†	783.2	761.2	0.0232	mg/L	0.0232	mg/L	15:52:13
2	P	214.914†	38196.7	35866.5	20.95	mg/L	20.95	mg/L	15:52:03
2	Pb	220.353†	1546.3	1407.7	0.0875	mg/L	0.0875	mg/L	15:52:13
2	Sb	206.836†	40.6	1.7	-0.0055	mg/L	-0.0055	mg/L	15:52:13
2	Se	196.026†	-4.4	-4.2	0.0000	mg/L	0.0000	mg/L	15:52:13
2	Sn	189.927†	144.8	134.4	0.0659	mg/L	0.0659	mg/L	15:52:13
2	Ti	337.279†	81647.6	77858.4	0.1081	mg/L	0.1081	mg/L	15:52:03
2	Tl	190.801†	11.0	8.4	-0.0062	mg/L	-0.0062	mg/L	15:52:13
2	V	292.402†	1128.6	1753.0	0.0074	mg/L	0.0074	mg/L	15:52:03
2	Zn	213.857†	930876.5	881639.2	9.434	mg/L	9.434	mg/L	15:52:00

Mean Data: 1210010-01 @20

Analyte	Mean Corrected Intensity	Conc.	Units	Calib	Std.Dev.	Conc.	Units	Sample Std.Dev.	RSD
Y 371.029	2603135.2	1.05	mg/L		0.006				0.53%
Ag 328.068†	54.1	0.0000	mg/L		0.00003	0.0000	mg/L	0.00003	54.44%
Al 237.313†	76515.6	9.872	mg/L		0.1708	9.872	mg/L	0.1708	1.73%
As 188.979†	2.0	0.0096	mg/L		0.00554	0.0096	mg/L	0.00554	57.90%
B 182.528†	-5.8	-0.0059	mg/L		0.00281	-0.0059	mg/L	0.00281	47.70%
B 249.677†	6.9	0.0067	mg/L		0.00021	0.0067	mg/L	0.00021	3.22%
Ba 233.527†	35738.4	0.4926	mg/L		0.00867	0.4926	mg/L	0.00867	1.76%
Be 313.107†	451.5	0.0001	mg/L		0.00003	0.0001	mg/L	0.00003	21.00%
Ca 315.887†	952067.6	8.952	mg/L		0.0028	8.952	mg/L	0.0028	0.03%
Cd 228.802†	27.5	0.0009	mg/L		0.00009	0.0009	mg/L	0.00009	10.05%
Co 228.616†	71.4	-0.0012	mg/L		0.00002	-0.0012	mg/L	0.00002	1.65%
Cr 267.716†	17015.2	0.1842	mg/L		0.00298	0.1842	mg/L	0.00298	1.62%
Cu 324.752†	4214055.9	23.73	mg/L		0.000	23.73	mg/L	0.000	0.00%
Fe 234.349†	15310.2	13.13	mg/L		0.098	13.13	mg/L	0.098	0.75%
Fe 238.204†	1487160.5	12.56	mg/L		0.009	12.56	mg/L	0.009	0.07%
K 766.490†	1190.3	0.8374	mg/L		0.00806	0.8374	mg/L	0.00806	0.96%
Li 670.784†	71.2	0.0028	mg/L		0.00029	0.0028	mg/L	0.00029	10.40%
Mg 279.077†	16701.2	1.435	mg/L		0.0213	1.435	mg/L	0.0213	1.49%
Mn 257.610†	48386.7	0.0827	mg/L		0.00134	0.0827	mg/L	0.00134	1.62%
Mo 202.031†	23.1	-0.0196	mg/L		0.00029	-0.0196	mg/L	0.00029	1.50%
Na 589.592†	26986.3	4.516	mg/L		0.0307	4.516	mg/L	0.0307	0.68%
Ni 231.604†	772.1	0.0236	mg/L		0.00054	0.0236	mg/L	0.00054	2.31%
P 214.914†	36343.3	21.23	mg/L		0.401	21.23	mg/L	0.401	1.89%
Pb 220.353†	1403.5	0.0871	mg/L		0.00057	0.0871	mg/L	0.00057	0.66%
Sb 206.836†	2.3	-0.0050	mg/L		0.00068	-0.0050	mg/L	0.00068	13.44%
Se 196.026†	-1.9	0.0023	mg/L		0.00324	0.0023	mg/L	0.00324	142.93%
Sn 189.927†	145.4	0.0686	mg/L		0.00382	0.0686	mg/L	0.00382	5.57%
Sr 407.771†	83763.9	0.0883	mg/L		0.00074	0.0883	mg/L	0.00074	0.83%
Ti 337.279†	78778.8	0.1094	mg/L		0.00184	0.1094	mg/L	0.00184	1.68%
Tl 190.801†	8.6	-0.0061	mg/L		0.00009	-0.0061	mg/L	0.00009	1.43%
V 292.402†	1804.1	0.0077	mg/L		0.00045	0.0077	mg/L	0.00045	5.88%
Zn 213.857†	882098.0	9.439	mg/L		0.0070	9.439	mg/L	0.0070	0.07%

Sequence No.: 7

Sample ID: 1210010-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 13

Date Collected: 10/6/2012 3:53:50 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210010-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Calib.	Conc.	Units	Sample	Analysis Time
1	B 249.677†	151.6	156.5	0.0937	mg/L		0.0937	mg/L		15:55:34
1	Fe 234.349†	263985.5	279829.6	239.7	mg/L		239.7	mg/L		15:55:32
1	K 766.490†	23728.7	24983.6	13.64	mg/L		13.64	mg/L		15:55:34
1	Li 670.784†	1375.5	1633.5	0.0510	mg/L		0.0510	mg/L		15:55:34
1	Na 589.592†	511315.5	541842.3	88.73	mg/L		88.73	mg/L		15:55:32
1	Sr 407.771†	1532960.7	1624802.8	1.705	mg/L		1.705	mg/L		15:55:32

1	Y 371.029	2336804.7	2336804.7	0.943	mg/L			15:55:49
1	Ag 328.068†	4532.3	3420.0	0.0461	mg/L	0.0461	mg/L	15:55:52
1	Al 237.313†	1421255.8	1506654.4	194.5	mg/L	194.5	mg/L	15:55:49
1	As 188.979†	114.3	118.2	0.2494	mg/L	0.2494	mg/L	15:56:02
1	B 182.528†	-27.2	-31.5	-0.0561	mg/L	-0.0561	mg/L	15:56:02
1	Ba 233.527†	634358.7	672472.8	9.304	mg/L	9.304	mg/L	15:55:49
1	Be 313.107†	5334.4	6170.3	0.0039	mg/L	0.0039	mg/L	15:55:52
1	Ca 315.887†	17120780.5	18147824.1	170.9	mg/L	170.9	mg/L	15:55:46
1	Cd 228.802†	462.6	427.6	0.0144	mg/L	0.0144	mg/L	15:56:02
1	Co 228.616†	1098.0	1228.7	0.0239	mg/L	0.0239	mg/L	15:56:02
1	Cr 267.716†	303645.7	321455.2	3.537	mg/L	3.537	mg/L	15:55:52
1	Cu 324.752†	Saturated3	Saturated3					15:56:02
Saturated in preshot (code 3)								
1	Fe 238.204†	21895256.1	23208749.0	196.1	mg/L	196.1	mg/L	15:55:46
1	Mg 279.077†	284438.2	301368.7	26.55	mg/L	26.55	mg/L	15:55:52
1	Mn 257.610†	854280.0	904366.0	1.596	mg/L	1.596	mg/L	15:55:49
1	Mo 202.031†	791.4	811.7	-0.0316	mg/L	-0.0316	mg/L	15:56:02
1	Ni 231.604†	13042.2	13843.5	0.4869	mg/L	0.4869	mg/L	15:56:02
1	P 214.914†	660228.5	699497.5	416.7	mg/L	416.7	mg/L	15:55:49
1	Pb 220.353†	24001.9	25383.8	2.030	mg/L	2.030	mg/L	15:56:02
1	Sb 206.836†	94.4	63.3	-0.0541	mg/L	-0.0541	mg/L	15:56:02
1	Se 196.026†	-66.2	-70.3	0.0325	mg/L	0.0325	mg/L	15:56:02
1	Sn 189.927†	4076.1	4317.8	1.675	mg/L	1.675	mg/L	15:56:02
1	Ti 337.279†	1447514.1	1534819.8	2.170	mg/L	2.170	mg/L	15:55:49
1	Tl 190.801†	72.5	74.8	-0.0918	mg/L	-0.0918	mg/L	15:56:02
1	V 292.402†	31522.9	34097.3	0.1859	mg/L	0.1859	mg/L	15:55:52
1	Zn 213.857†	7906522.9	8380089.4	90.09	mg/L	90.09	mg/L	15:55:49
2	B 249.677†	145.2	150.5	0.0902	mg/L	0.0902	mg/L	15:55:39
2	Fe 234.349†	267131.7	284525.1	243.8	mg/L	243.8	mg/L	15:55:37
2	K 766.490†	23228.4	24571.6	13.41	mg/L	13.41	mg/L	15:55:39
2	Li 670.784†	1316.6	1577.7	0.0493	mg/L	0.0493	mg/L	15:55:39
2	Na 589.592†	517038.4	550541.9	90.16	mg/L	90.16	mg/L	15:55:37
2	Sr 407.771†	1549813.1	1650559.8	1.732	mg/L	1.732	mg/L	15:55:37
2	Y 371.029	2325630.3	2325630.3	0.939	mg/L			15:56:10
2	Ag 328.068†	4523.3	3433.5	0.0465	mg/L	0.0465	mg/L	15:56:12
2	Al 237.313†	1407450.2	1499188.9	193.6	mg/L	193.6	mg/L	15:56:10
2	As 188.979†	110.0	114.2	0.2462	mg/L	0.2462	mg/L	15:56:23
2	B 182.528†	-25.6	-29.9	-0.0531	mg/L	-0.0531	mg/L	15:56:23
2	Ba 233.527†	628560.7	669528.3	9.263	mg/L	9.263	mg/L	15:56:10
2	Be 313.107†	5250.9	6108.5	0.0038	mg/L	0.0038	mg/L	15:56:12
2	Ca 315.887†	17133538.0	18248611.1	171.9	mg/L	171.9	mg/L	15:56:07
2	Cd 228.802†	459.8	426.9	0.0144	mg/L	0.0144	mg/L	15:56:23
2	Co 228.616†	1107.4	1244.4	0.0243	mg/L	0.0243	mg/L	15:56:23
2	Cr 267.716†	302524.9	321807.9	3.541	mg/L	3.541	mg/L	15:56:12
2	Cu 324.752†	Saturated3	Saturated3					15:56:23
Saturated in preshot (code 3)								
2	Fe 238.204†	21896493.6	23321583.3	197.1	mg/L	197.1	mg/L	15:56:07
2	Mg 279.077†	283558.0	301879.9	26.59	mg/L	26.59	mg/L	15:56:12
2	Mn 257.610†	845907.2	899799.2	1.588	mg/L	1.588	mg/L	15:56:10
2	Mo 202.031†	770.9	794.0	-0.0338	mg/L	-0.0338	mg/L	15:56:23
2	Ni 231.604†	12989.4	13853.7	0.4872	mg/L	0.4872	mg/L	15:56:23
2	P 214.914†	650756.7	692771.9	412.7	mg/L	412.7	mg/L	15:56:10
2	Pb 220.353†	23753.5	25241.5	2.018	mg/L	2.018	mg/L	15:56:23
2	Sb 206.836†	88.3	57.2	-0.0611	mg/L	-0.0611	mg/L	15:56:23
2	Se 196.026†	-69.7	-74.3	0.0303	mg/L	0.0303	mg/L	15:56:23
2	Sn 189.927†	4051.6	4312.4	1.685	mg/L	1.685	mg/L	15:56:23
2	Ti 337.279†	1438504.2	1532595.8	2.167	mg/L	2.167	mg/L	15:56:10
2	Tl 190.801†	67.9	70.3	-0.0972	mg/L	-0.0972	mg/L	15:56:23
2	V 292.402†	31446.2	34176.2	0.1856	mg/L	0.1856	mg/L	15:56:12
2	Zn 213.857†	7865597.9	8376769.8	90.06	mg/L	90.06	mg/L	15:56:10

Mean Data: 1210010-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2331217.5	0.941 mg/L	0.0032			0.34%
Ag 328.068†	3426.8	0.0463 mg/L	0.00030	0.0463 mg/L	0.00030	0.65%
Al 237.313†	1502921.6	194.0 mg/L	0.68	194.0 mg/L	0.68	0.35%
As 188.979†	116.2	0.2478 mg/L	0.00228	0.2478 mg/L	0.00228	0.92%
B 182.528†	-30.7	-0.0546 mg/L	0.00212	-0.0546 mg/L	0.00212	3.88%
B 249.677†	153.5	0.0920 mg/L	0.00248	0.0920 mg/L	0.00248	2.69%
Ba 233.527†	671000.5	9.284 mg/L	0.0288	9.284 mg/L	0.0288	0.31%
Be 313.107†	6139.4	0.0039 mg/L	0.00003	0.0039 mg/L	0.00003	0.67%

Ca	315.887†	18198217.6	171.4 mg/L	0.67	171.4 mg/L	0.67	0.39%
Cd	228.802†	427.2	0.0144 mg/L	0.00000	0.0144 mg/L	0.00000	0.02%
Co	228.616†	1236.6	0.0241 mg/L	0.00028	0.0241 mg/L	0.00028	1.17%
Cr	267.716†	321631.6	3.539 mg/L	0.0027	3.539 mg/L	0.0027	0.08%
Cu	324.752†	Saturated3					
Fe	234.349†	282177.3	241.7 mg/L	2.85	241.7 mg/L	2.85	1.18%
Fe	238.204†	23265166.2	196.6 mg/L	0.67	196.6 mg/L	0.67	0.34%
K	766.490†	24777.6	13.52 mg/L	0.157	13.52 mg/L	0.157	1.16%
Li	670.784†	1605.6	0.0502 mg/L	0.00122	0.0502 mg/L	0.00122	2.43%
Mg	279.077†	301624.3	26.57 mg/L	0.032	26.57 mg/L	0.032	0.12%
Mn	257.610†	902082.6	1.592 mg/L	0.0057	1.592 mg/L	0.0057	0.36%
Mo	202.031†	802.8	-0.0327 mg/L	0.00155	-0.0327 mg/L	0.00155	4.76%
Na	589.592†	546192.1	89.44 mg/L	1.006	89.44 mg/L	1.006	1.12%
Ni	231.604†	13848.6	0.4870 mg/L	0.00025	0.4870 mg/L	0.00025	0.05%
P	214.914†	696134.7	414.7 mg/L	2.82	414.7 mg/L	2.82	0.68%
Pb	220.353†	25312.7	2.024 mg/L	0.0085	2.024 mg/L	0.0085	0.42%
Sb	206.836†	60.3	-0.0576 mg/L	0.00489	-0.0576 mg/L	0.00489	8.49%
Se	196.026†	-72.3	0.0314 mg/L	0.00155	0.0314 mg/L	0.00155	4.94%
Sn	189.927†	4315.1	1.680 mg/L	0.0075	1.680 mg/L	0.0075	0.44%
Sr	407.771†	1637681.3	1.718 mg/L	0.0191	1.718 mg/L	0.0191	1.11%
Ti	337.279†	1533707.8	2.168 mg/L	0.0022	2.168 mg/L	0.0022	0.10%
Tl	190.801†	72.6	-0.0945 mg/L	0.00383	-0.0945 mg/L	0.00383	4.06%
V	292.402†	34136.7	0.1857 mg/L	0.00018	0.1857 mg/L	0.00018	0.09%
Zn	213.857†	8378429.6	90.07 mg/L	0.025	90.07 mg/L	0.025	0.03%

Sequence No.: 8
Sample ID: 1210152-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 10/6/2012 3:59:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210152-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-10.2	-13.5	-0.0053 mg/L	-0.0053 mg/L	16:01:24
1	Fe 234.349†	141003.4	129621.5	111.1 mg/L	111.1 mg/L	16:01:14
1	K 766.490†	24176.6	22055.3	12.06 mg/L	12.06 mg/L	16:01:14
1	Li 670.784†	2492.9	2467.1	0.0768 mg/L	0.0768 mg/L	16:01:24
1	Na 589.592†	5347.6	4765.1	0.8807 mg/L	0.8807 mg/L	16:01:24
1	Sr 407.771†	105406.1	96762.4	0.1020 mg/L	0.1020 mg/L	16:01:14
1	Y 371.029	2694629.7	2694629.7	1.09 mg/L		16:01:44
1	Ag 328.068†	186.5	-1212.8	-0.0033 mg/L	-0.0033 mg/L	16:01:47
1	Al 237.313†	480377.8	441709.0	57.02 mg/L	57.02 mg/L	16:01:44
1	As 188.979†	28.2	22.9	0.0766 mg/L	0.0766 mg/L	16:01:57
1	B 182.528†	6.4	3.3	0.0117 mg/L	0.0117 mg/L	16:01:57
1	Ba 233.527†	22592.3	20822.1	0.2861 mg/L	0.2861 mg/L	16:01:47
1	Be 313.107†	7701.7	7595.6	0.0044 mg/L	0.0044 mg/L	16:01:47
1	Ca 315.887†	2365559.2	2174360.1	20.47 mg/L	20.47 mg/L	16:01:44
1	Cd 228.802†	119.0	46.6	0.0015 mg/L	0.0015 mg/L	16:01:57
1	Co 228.616†	1832.5	1749.4	0.0303 mg/L	0.0303 mg/L	16:01:57
1	Cr 267.716†	9278.4	8120.7	0.0862 mg/L	0.0862 mg/L	16:01:47
1	Cu 324.752†	23210.5	20102.8	0.1142 mg/L	0.1142 mg/L	16:01:47
1	Fe 238.204†	12270084.2	11278970.7	95.32 mg/L	95.32 mg/L	16:01:42
1	Mg 279.077†	225247.5	206921.1	18.22 mg/L	18.22 mg/L	16:01:47
1	Mn 257.610†	1230032.2	1129524.1	1.994 mg/L	1.994 mg/L	16:01:44
1	Mo 202.031†	203.8	160.2	-0.0263 mg/L	-0.0263 mg/L	16:01:57
1	Ni 231.604†	1784.6	1659.2	0.0550 mg/L	0.0550 mg/L	16:01:57
1	P 214.914†	9406.0	8303.6	5.228 mg/L	5.228 mg/L	16:01:57
1	Pb 220.353†	1549.7	1366.4	0.0980 mg/L	0.0980 mg/L	16:01:57
1	Sb 206.836†	56.5	15.1	-0.0376 mg/L	-0.0376 mg/L	16:01:57
1	Se 196.026†	-36.7	-33.8	0.0130 mg/L	0.0130 mg/L	16:01:57
1	Sn 189.927†	-140.7	-132.2	0.2923 mg/L	0.2923 mg/L	16:01:57
1	Ti 337.279†	4259539.8	3915989.9	5.539 mg/L	5.539 mg/L	16:01:42
1	Tl 190.801†	9.2	6.5	-0.0713 mg/L	-0.0713 mg/L	16:01:57
1	V 292.402†	27966.5	26391.0	0.1382 mg/L	0.1382 mg/L	16:01:47
1	Zn 213.857†	26647.8	23694.5	0.2531 mg/L	0.2531 mg/L	16:01:47
2	B 249.677†	-6.4	-10.1	-0.0033 mg/L	-0.0033 mg/L	16:01:37
2	Fe 234.349†	138746.6	127410.0	109.2 mg/L	109.2 mg/L	16:01:27
2	K 766.490†	23994.7	21864.5	11.96 mg/L	11.96 mg/L	16:01:27
2	Li 670.784†	2459.5	2433.9	0.0758 mg/L	0.0758 mg/L	16:01:37
2	Na 589.592†	5302.1	4718.0	0.8730 mg/L	0.8730 mg/L	16:01:37

2	Sr 407.771†	103966.3	95336.2	0.1005	mg/L	0.1005	mg/L	16:01:27
2	Y 371.029	2697526.2	2697526.2	1.09	mg/L			16:02:03
2	Ag 328.068†	240.6	-1163.3	-0.0030	mg/L	-0.0030	mg/L	16:02:05
2	Al 237.313†	481433.7	442204.5	57.08	mg/L	57.08	mg/L	16:02:03
2	As 188.979†	34.1	28.3	0.0826	mg/L	0.0826	mg/L	16:02:15
2	B 182.528†	12.0	8.4	0.0217	mg/L	0.0217	mg/L	16:02:15
2	Ba 233.527†	22755.4	20949.6	0.2879	mg/L	0.2879	mg/L	16:02:05
2	Be 313.107†	7680.1	7568.1	0.0044	mg/L	0.0044	mg/L	16:02:05
2	Ca 315.887†	2368010.7	2174276.3	20.47	mg/L	20.47	mg/L	16:02:03
2	Cd 228.802†	120.1	47.4	0.0015	mg/L	0.0015	mg/L	16:02:15
2	Co 228.616†	1841.7	1756.0	0.0305	mg/L	0.0305	mg/L	16:02:15
2	Cr 267.716†	9393.7	8217.4	0.0873	mg/L	0.0873	mg/L	16:02:05
2	Cu 324.752†	22386.5	19323.2	0.1098	mg/L	0.1098	mg/L	16:02:05
2	Fe 238.204†	12241128.6	11240271.3	94.99	mg/L	94.99	mg/L	16:02:00
2	Mg 279.077†	226718.4	208049.5	18.32	mg/L	18.32	mg/L	16:02:05
2	Mn 257.610†	1233724.5	1131700.5	1.998	mg/L	1.998	mg/L	16:02:03
2	Mo 202.031†	196.8	153.6	-0.0261	mg/L	-0.0261	mg/L	16:02:15
2	Ni 231.604†	1794.7	1666.8	0.0553	mg/L	0.0553	mg/L	16:02:15
2	P 214.914†	9352.0	8244.7	5.188	mg/L	5.188	mg/L	16:02:15
2	Pb 220.353†	1540.3	1356.2	0.0971	mg/L	0.0971	mg/L	16:02:15
2	Sb 206.836†	60.8	19.1	-0.0334	mg/L	-0.0334	mg/L	16:02:15
2	Se 196.026†	-35.3	-32.5	0.0135	mg/L	0.0135	mg/L	16:02:15
2	Sn 189.927†	-150.6	-141.2	0.2847	mg/L	0.2847	mg/L	16:02:15
2	Ti 337.279†	4252063.3	3904920.4	5.524	mg/L	5.524	mg/L	16:02:00
2	Tl 190.801†	12.4	9.4	-0.0681	mg/L	-0.0681	mg/L	16:02:15
2	V 292.402†	27845.4	26252.1	0.1377	mg/L	0.1377	mg/L	16:02:05
2	Zn 213.857†	26676.3	23694.4	0.2532	mg/L	0.2532	mg/L	16:02:05

Mean Data: 1210152-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2696078.0	1.09	mg/L	0.001				0.08%
Ag 328.068†	-1188.1	-0.0031	mg/L	0.00019	-0.0031	mg/L	0.00019	6.23%
Al 237.313†	441956.8	57.05	mg/L	0.045	57.05	mg/L	0.045	0.08%
As 188.979†	25.6	0.0796	mg/L	0.00423	0.0796	mg/L	0.00423	5.31%
B 182.528†	5.8	0.0167	mg/L	0.00702	0.0167	mg/L	0.00702	42.00%
B 249.677†	-11.8	-0.0043	mg/L	0.00141	-0.0043	mg/L	0.00141	32.43%
Ba 233.527†	20885.8	0.2870	mg/L	0.00125	0.2870	mg/L	0.00125	0.43%
Be 313.107†	7581.9	0.0044	mg/L	0.00001	0.0044	mg/L	0.00001	0.26%
Ca 315.887†	2174318.2	20.47	mg/L	0.001	20.47	mg/L	0.001	0.00%
Cd 228.802†	47.0	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.01%
Co 228.616†	1752.7	0.0304	mg/L	0.00014	0.0304	mg/L	0.00014	0.46%
Cr 267.716†	8169.1	0.0868	mg/L	0.00075	0.0868	mg/L	0.00075	0.87%
Cu 324.752†	19713.0	0.1120	mg/L	0.00311	0.1120	mg/L	0.00311	2.78%
Fe 234.349†	128515.7	110.2	mg/L	1.34	110.2	mg/L	1.34	1.22%
Fe 238.204†	11259621.0	95.15	mg/L	0.231	95.15	mg/L	0.231	0.24%
K 766.490†	21959.9	12.01	mg/L	0.073	12.01	mg/L	0.073	0.60%
Li 670.784†	2450.5	0.0763	mg/L	0.00072	0.0763	mg/L	0.00072	0.95%
Mg 279.077†	207485.3	18.27	mg/L	0.070	18.27	mg/L	0.070	0.39%
Mn 257.610†	1130612.3	1.996	mg/L	0.0027	1.996	mg/L	0.0027	0.14%
Mo 202.031†	156.9	-0.0262	mg/L	0.00017	-0.0262	mg/L	0.00017	0.65%
Na 589.592†	4741.6	0.8769	mg/L	0.00545	0.8769	mg/L	0.00545	0.62%
Ni 231.604†	1663.0	0.0552	mg/L	0.00019	0.0552	mg/L	0.00019	0.34%
P 214.914†	8274.2	5.208	mg/L	0.0279	5.208	mg/L	0.0279	0.54%
Pb 220.353†	1361.3	0.0975	mg/L	0.00063	0.0975	mg/L	0.00063	0.65%
Sb 206.836†	17.1	-0.0355	mg/L	0.00296	-0.0355	mg/L	0.00296	8.32%
Se 196.026†	-33.1	0.0133	mg/L	0.00035	0.0133	mg/L	0.00035	2.66%
Sn 189.927†	-136.7	0.2885	mg/L	0.00536	0.2885	mg/L	0.00536	1.86%
Sr 407.771†	96049.3	0.1012	mg/L	0.00106	0.1012	mg/L	0.00106	1.05%
Ti 337.279†	3910455.1	5.531	mg/L	0.0111	5.531	mg/L	0.0111	0.20%
Tl 190.801†	7.9	-0.0697	mg/L	0.00223	-0.0697	mg/L	0.00223	3.19%
V 292.402†	26321.5	0.1379	mg/L	0.00035	0.1379	mg/L	0.00035	0.25%
Zn 213.857†	23694.5	0.2531	mg/L	0.00000	0.2531	mg/L	0.00000	0.00%

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Sequence No.: 9
Sample ID: CJ20523-DUP2
Analyst:
Initial Sample Wt:
Dilution:

=====
Autosampler Location: 15
Date Collected: 10/6/2012 4:03:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	-3.3	-7.1	-0.0016	mg/L	-0.0016	mg/L	16:05:44
1	Fe 234.349†	109793.0	99654.3	85.42	mg/L	85.42	mg/L	16:05:34
1	K 766.490†	20739.6	18654.6	10.23	mg/L	10.23	mg/L	16:05:34
1	Li 670.784†	2048.1	2034.3	0.0634	mg/L	0.0634	mg/L	16:05:44
1	Na 589.592†	4737.7	4149.4	0.7800	mg/L	0.7800	mg/L	16:05:44
1	Sr 407.771†	92722.4	84024.2	0.0886	mg/L	0.0886	mg/L	16:05:34
1	Y 371.029	2729170.8	2729170.8	1.10	mg/L			16:06:04
1	Ag 328.068†	417.6	-1005.2	-0.0035	mg/L	-0.0035	mg/L	16:06:06
1	Al 237.313†	431608.8	391857.3	50.58	mg/L	50.58	mg/L	16:06:04
1	As 188.979†	22.1	17.1	0.0586	mg/L	0.0586	mg/L	16:06:17
1	B 182.528†	2.9	0.0	0.0054	mg/L	0.0054	mg/L	16:06:17
1	Ba 233.527†	20830.2	18960.0	0.2604	mg/L	0.2604	mg/L	16:06:06
1	Be 313.107†	7553.2	7371.2	0.0042	mg/L	0.0042	mg/L	16:06:06
1	Ca 315.887†	2148021.3	1949400.6	18.35	mg/L	18.35	mg/L	16:06:04
1	Cd 228.802†	105.8	33.2	0.0010	mg/L	0.0010	mg/L	16:06:17
1	Co 228.616†	1633.4	1547.3	0.0263	mg/L	0.0263	mg/L	16:06:17
1	Cr 267.716†	9008.4	7767.7	0.0823	mg/L	0.0823	mg/L	16:06:06
1	Cu 324.752†	18385.2	15453.2	0.0876	mg/L	0.0876	mg/L	16:06:06
1	Fe 238.204†	10466944.7	9499682.7	80.28	mg/L	80.28	mg/L	16:06:01
1	Mg 279.077†	189627.7	171971.9	15.14	mg/L	15.14	mg/L	16:06:04
1	Mn 257.610†	1198009.2	1086149.6	1.918	mg/L	1.918	mg/L	16:06:04
1	Mo 202.031†	148.7	107.8	-0.0211	mg/L	-0.0211	mg/L	16:06:06
1	Ni 231.604†	1573.4	1446.8	0.0475	mg/L	0.0475	mg/L	16:06:17
1	P 214.914†	8252.1	7146.9	4.479	mg/L	4.479	mg/L	16:06:06
1	Pb 220.353†	1346.9	1164.3	0.0824	mg/L	0.0824	mg/L	16:06:17
1	Sb 206.836†	70.0	26.7	-0.0165	mg/L	-0.0165	mg/L	16:06:17
1	Se 196.026†	-20.2	-18.4	0.0170	mg/L	0.0170	mg/L	16:06:17
1	Sn 189.927†	-138.0	-128.1	0.2181	mg/L	0.2181	mg/L	16:06:17
1	Ti 337.279†	3898393.4	3538656.0	5.005	mg/L	5.005	mg/L	16:06:04
1	Tl 190.801†	9.5	6.6	-0.0558	mg/L	-0.0558	mg/L	16:06:17
1	V 292.402†	21539.3	20232.2	0.1048	mg/L	0.1048	mg/L	16:06:06
1	Zn 213.857†	24248.4	21206.8	0.2265	mg/L	0.2265	mg/L	16:06:06
2	B 249.677†	-2.4	-6.3	-0.0011	mg/L	-0.0011	mg/L	16:05:57
2	Fe 234.349†	111463.8	102404.3	87.78	mg/L	87.78	mg/L	16:05:47
2	K 766.490†	21059.1	19177.7	10.51	mg/L	10.51	mg/L	16:05:47
2	Li 670.784†	2060.7	2068.5	0.0645	mg/L	0.0645	mg/L	16:05:57
2	Na 589.592†	4683.4	4151.9	0.7804	mg/L	0.7804	mg/L	16:05:57
2	Sr 407.771†	94056.8	86276.3	0.0910	mg/L	0.0910	mg/L	16:05:47
2	Y 371.029	2696292.8	2696292.8	1.09	mg/L			16:06:22
2	Ag 328.068†	407.4	-1009.9	-0.0033	mg/L	-0.0033	mg/L	16:06:24
2	Al 237.313†	426062.2	391538.5	50.54	mg/L	50.54	mg/L	16:06:22
2	As 188.979†	29.3	23.9	0.0681	mg/L	0.0681	mg/L	16:06:35
2	B 182.528†	6.2	3.1	0.0113	mg/L	0.0113	mg/L	16:06:35
2	Ba 233.527†	20673.0	19046.1	0.2616	mg/L	0.2616	mg/L	16:06:24
2	Be 313.107†	7421.3	7333.6	0.0042	mg/L	0.0042	mg/L	16:06:24
2	Ca 315.887†	2116359.5	1944086.4	18.30	mg/L	18.30	mg/L	16:06:22
2	Cd 228.802†	107.4	35.9	0.0011	mg/L	0.0011	mg/L	16:06:35
2	Co 228.616†	1647.3	1578.2	0.0271	mg/L	0.0271	mg/L	16:06:35
2	Cr 267.716†	8824.3	7698.3	0.0816	mg/L	0.0816	mg/L	16:06:24
2	Cu 324.752†	17969.1	15274.5	0.0866	mg/L	0.0866	mg/L	16:06:24
2	Fe 238.204†	10340935.4	9499760.8	80.28	mg/L	80.28	mg/L	16:06:19
2	Mg 279.077†	186726.8	171405.5	15.09	mg/L	15.09	mg/L	16:06:22
2	Mn 257.610†	1184091.7	1086622.5	1.918	mg/L	1.918	mg/L	16:06:22
2	Mo 202.031†	134.6	96.6	-0.0225	mg/L	-0.0225	mg/L	16:06:24
2	Ni 231.604†	1554.4	1446.8	0.0475	mg/L	0.0475	mg/L	16:06:35
2	P 214.914†	8189.2	7180.4	4.505	mg/L	4.505	mg/L	16:06:24
2	Pb 220.353†	1396.3	1224.6	0.0876	mg/L	0.0876	mg/L	16:06:35
2	Sb 206.836†	49.3	8.5	-0.0329	mg/L	-0.0329	mg/L	16:06:35
2	Se 196.026†	-28.0	-25.8	0.0109	mg/L	0.0109	mg/L	16:06:35
2	Sn 189.927†	-125.5	-118.2	0.2272	mg/L	0.2272	mg/L	16:06:35
2	Ti 337.279†	3855225.6	3542143.1	5.010	mg/L	5.010	mg/L	16:06:22
2	Tl 190.801†	21.0	17.3	-0.0496	mg/L	-0.0496	mg/L	16:06:35
2	V 292.402†	21338.0	20285.6	0.1047	mg/L	0.1047	mg/L	16:06:24
2	Zn 213.857†	23949.3	21200.3	0.2264	mg/L	0.2264	mg/L	16:06:24

Mean Data: CJ20523-DUP2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2712731.8	1.10 mg/L	0.009			0.86%

Ag 328.068†	-1007.6	-0.0034 mg/L	0.00010	-0.0034 mg/L	0.00010	2.92%
Al 237.313†	391697.9	50.56 mg/L	0.029	50.56 mg/L	0.029	0.06%
As 188.979†	20.5	0.0634 mg/L	0.00675	0.0634 mg/L	0.00675	10.66%
B 182.528†	1.5	0.0083 mg/L	0.00420	0.0083 mg/L	0.00420	50.48%
B 249.677†	-6.7	-0.0014 mg/L	0.00033	-0.0014 mg/L	0.00033	24.15%
Ba 233.527†	19003.1	0.2610 mg/L	0.00084	0.2610 mg/L	0.00084	0.32%
Be 313.107†	7352.4	0.0042 mg/L	0.00002	0.0042 mg/L	0.00002	0.38%
Ca 315.887†	1946743.5	18.32 mg/L	0.035	18.32 mg/L	0.035	0.19%
Cd 228.802†	34.6	0.0011 mg/L	0.00004	0.0011 mg/L	0.00004	3.70%
Co 228.616†	1562.8	0.0267 mg/L	0.00054	0.0267 mg/L	0.00054	2.03%
Cr 267.716†	7733.0	0.0820 mg/L	0.00054	0.0820 mg/L	0.00054	0.66%
Cu 324.752†	15363.9	0.0871 mg/L	0.00071	0.0871 mg/L	0.00071	0.81%
Fe 234.349†	101029.3	86.60 mg/L	1.667	86.60 mg/L	1.667	1.92%
Fe 238.204†	9499721.8	80.28 mg/L	0.000	80.28 mg/L	0.000	0.00%
K 766.490†	18916.1	10.37 mg/L	0.199	10.37 mg/L	0.199	1.92%
Li 670.784†	2051.4	0.0639 mg/L	0.00075	0.0639 mg/L	0.00075	1.17%
Mg 279.077†	171688.7	15.11 mg/L	0.035	15.11 mg/L	0.035	0.23%
Mn 257.610†	1086386.0	1.918 mg/L	0.0006	1.918 mg/L	0.0006	0.03%
Mo 202.031†	102.2	-0.0218 mg/L	0.00094	-0.0218 mg/L	0.00094	4.33%
Na 589.592†	4150.6	0.7802 mg/L	0.00029	0.7802 mg/L	0.00029	0.04%
Ni 231.604†	1446.8	0.0475 mg/L	0.00000	0.0475 mg/L	0.00000	0.01%
P 214.914†	7163.7	4.492 mg/L	0.0181	4.492 mg/L	0.0181	0.40%
Pb 220.353†	1194.5	0.0850 mg/L	0.00369	0.0850 mg/L	0.00369	4.34%
Sb 206.836†	17.6	-0.0247 mg/L	0.01160	-0.0247 mg/L	0.01160	46.97%
Se 196.026†	-22.1	0.0140 mg/L	0.00434	0.0140 mg/L	0.00434	31.09%
Sn 189.927†	-123.1	0.2227 mg/L	0.00646	0.2227 mg/L	0.00646	2.90%
Sr 407.771†	85150.3	0.0898 mg/L	0.00167	0.0898 mg/L	0.00167	1.86%
Ti 337.279†	3540399.6	5.008 mg/L	0.0035	5.008 mg/L	0.0035	0.07%
Tl 190.801†	11.9	-0.0527 mg/L	0.00433	-0.0527 mg/L	0.00433	8.21%
V 292.402†	20258.9	0.1048 mg/L	0.00009	0.1048 mg/L	0.00009	0.08%
Zn 213.857†	21203.6	0.2265 mg/L	0.00005	0.2265 mg/L	0.00005	0.02%

Sequence No.: 10
Sample ID: CJ20523-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 10/6/2012 4:08:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	722.4	641.3	0.3751 mg/L	0.3751 mg/L	16:09:59
1	Fe 234.349†	138551.3	123803.1	106.1 mg/L	106.1 mg/L	16:09:57
1	K 766.490†	65684.8	58521.5	31.67 mg/L	31.67 mg/L	16:09:57
1	Li 670.784†	17450.7	15767.9	0.4876 mg/L	0.4876 mg/L	16:09:59
1	Na 589.592†	143937.0	128459.0	21.11 mg/L	21.11 mg/L	16:09:57
1	Sr 407.771†	149297.5	133268.3	0.1403 mg/L	0.1403 mg/L	16:09:57
1	Y 371.029	2772211.1	2772211.1	1.12 mg/L		16:10:11
1	Ag 328.068†	26370.0	22177.8	0.1954 mg/L	0.1954 mg/L	16:10:14
1	Al 237.313†	545638.2	487662.2	62.95 mg/L	62.95 mg/L	16:10:11
1	As 188.979†	352.4	311.9	0.4345 mg/L	0.4345 mg/L	16:10:24
1	B 182.528†	214.4	188.9	0.3740 mg/L	0.3740 mg/L	16:10:24
1	Ba 233.527†	54981.3	49180.9	0.6784 mg/L	0.6784 mg/L	16:10:14
1	Be 313.107†	83286.8	74933.7	0.0446 mg/L	0.0446 mg/L	16:10:14
1	Ca 315.887†	2875302.5	2568967.7	24.19 mg/L	24.19 mg/L	16:10:11
1	Cd 228.802†	6390.9	5647.5	0.1983 mg/L	0.1983 mg/L	16:10:24
1	Co 228.616†	19147.9	17173.8	0.4184 mg/L	0.4184 mg/L	16:10:14
1	Cr 267.716†	49881.0	44161.0	0.4836 mg/L	0.4836 mg/L	16:10:14
1	Cu 324.752†	97103.7	85530.1	0.4824 mg/L	0.4824 mg/L	16:10:14
1	Fe 238.204†	12241887.8	10938126.1	92.44 mg/L	92.44 mg/L	16:10:09
1	Mg 279.077†	284115.7	253726.1	22.35 mg/L	22.35 mg/L	16:10:11
1	Mn 257.610†	1614689.7	1441577.6	2.546 mg/L	2.546 mg/L	16:10:11
1	Mo 202.031†	8197.6	7297.6	0.3555 mg/L	0.3555 mg/L	16:10:24
1	Ni 231.604†	13902.1	12440.5	0.4377 mg/L	0.4377 mg/L	16:10:14
1	P 214.914†	16800.9	14669.1	8.994 mg/L	8.994 mg/L	16:10:24
1	Pb 220.353†	6640.4	5875.1	0.4847 mg/L	0.4847 mg/L	16:10:24
1	Sb 206.836†	440.9	357.2	0.2530 mg/L	0.2530 mg/L	16:10:24
1	Se 196.026†	825.1	737.2	0.7586 mg/L	0.7586 mg/L	16:10:24
1	Sn 189.927†	1872.2	1670.0	0.6851 mg/L	0.6851 mg/L	16:10:24
1	Ti 337.279†	4149086.7	3707721.0	5.245 mg/L	5.245 mg/L	16:10:09
1	Tl 190.801†	635.3	565.6	0.3203 mg/L	0.3203 mg/L	16:10:24

1	V 292.402†	95546.2	86054.8	0.5183	mg/L	0.5183	mg/L	16:10:14
1	Zn 213.857†	69722.8	61497.1	0.6568	mg/L	0.6568	mg/L	16:10:14
2	B 249.677†	732.4	660.0	0.3860	mg/L	0.3860	mg/L	16:10:04
2	Fe 234.349†	136250.8	123551.9	105.9	mg/L	105.9	mg/L	16:10:02
2	K 766.490†	64607.4	58414.4	31.62	mg/L	31.62	mg/L	16:10:02
2	Li 670.784†	17361.1	15917.8	0.4923	mg/L	0.4923	mg/L	16:10:04
2	Na 589.592†	141904.9	128522.5	21.12	mg/L	21.12	mg/L	16:10:02
2	Sr 407.771†	147134.9	133284.4	0.1403	mg/L	0.1403	mg/L	16:10:02
2	Y 371.029	2731723.6	2731723.6	1.10	mg/L			16:10:30
2	Ag 328.068†	26396.9	22551.3	0.1986	mg/L	0.1986	mg/L	16:10:32
2	Al 237.313†	536538.1	486636.5	62.82	mg/L	62.82	mg/L	16:10:30
2	As 188.979†	348.3	312.8	0.4355	mg/L	0.4355	mg/L	16:10:42
2	B 182.528†	217.3	194.4	0.3848	mg/L	0.3848	mg/L	16:10:42
2	Ba 233.527†	55056.5	49977.2	0.6894	mg/L	0.6894	mg/L	16:10:32
2	Be 313.107†	83648.6	76364.7	0.0455	mg/L	0.0455	mg/L	16:10:32
2	Ca 315.887†	2826804.4	2563069.3	24.13	mg/L	24.13	mg/L	16:10:30
2	Cd 228.802†	6408.6	5748.2	0.2019	mg/L	0.2019	mg/L	16:10:42
2	Co 228.616†	19252.2	17522.0	0.4269	mg/L	0.4269	mg/L	16:10:32
2	Cr 267.716†	50064.4	44987.8	0.4927	mg/L	0.4927	mg/L	16:10:32
2	Cu 324.752†	97569.4	87238.4	0.4921	mg/L	0.4921	mg/L	16:10:32
2	Fe 238.204†	12323327.1	11174090.4	94.43	mg/L	94.43	mg/L	16:10:27
2	Mg 279.077†	279046.6	252892.2	22.27	mg/L	22.27	mg/L	16:10:30
2	Mn 257.610†	1588614.2	1439316.8	2.542	mg/L	2.542	mg/L	16:10:30
2	Mo 202.031†	8200.8	7409.0	0.3615	mg/L	0.3615	mg/L	16:10:42
2	Ni 231.604†	14018.7	12730.3	0.4480	mg/L	0.4480	mg/L	16:10:32
2	P 214.914†	16840.8	14927.8	9.147	mg/L	9.147	mg/L	16:10:42
2	Pb 220.353†	6647.1	5969.2	0.4928	mg/L	0.4928	mg/L	16:10:42
2	Sb 206.836†	437.7	360.0	0.2556	mg/L	0.2556	mg/L	16:10:42
2	Se 196.026†	826.7	749.6	0.7705	mg/L	0.7705	mg/L	16:10:42
2	Sn 189.927†	1884.9	1706.2	0.6927	mg/L	0.6927	mg/L	16:10:42
2	Ti 337.279†	4171500.7	3782991.2	5.351	mg/L	5.351	mg/L	16:10:27
2	Tl 190.801†	628.2	567.6	0.3216	mg/L	0.3216	mg/L	16:10:42
2	V 292.402†	96026.0	87755.2	0.5290	mg/L	0.5290	mg/L	16:10:32
2	Zn 213.857†	69982.0	62655.4	0.6692	mg/L	0.6692	mg/L	16:10:32

Mean Data: CJ20523-MS2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2751967.4	1.11	mg/L	0.012				1.04%
Ag 328.068†	22364.5	0.1970	mg/L	0.00224	0.1970	mg/L	0.00224	1.14%
Al 237.313†	487149.3	62.89	mg/L	0.094	62.89	mg/L	0.094	0.15%
As 188.979†	312.4	0.4350	mg/L	0.00073	0.4350	mg/L	0.00073	0.17%
B 182.528†	191.7	0.3794	mg/L	0.00758	0.3794	mg/L	0.00758	2.00%
B 249.677†	650.6	0.3805	mg/L	0.00769	0.3805	mg/L	0.00769	2.02%
Ba 233.527†	49579.1	0.6839	mg/L	0.00779	0.6839	mg/L	0.00779	1.14%
Be 313.107†	75649.2	0.0451	mg/L	0.00061	0.0451	mg/L	0.00061	1.34%
Ca 315.887†	2566018.5	24.16	mg/L	0.039	24.16	mg/L	0.039	0.16%
Cd 228.802†	5697.9	0.2001	mg/L	0.00252	0.2001	mg/L	0.00252	1.26%
Co 228.616†	17347.9	0.4227	mg/L	0.00604	0.4227	mg/L	0.00604	1.43%
Cr 267.716†	44574.4	0.4882	mg/L	0.00644	0.4882	mg/L	0.00644	1.32%
Cu 324.752†	86384.3	0.4873	mg/L	0.00686	0.4873	mg/L	0.00686	1.41%
Fe 234.349†	123677.5	106.0	mg/L	0.15	106.0	mg/L	0.15	0.14%
Fe 238.204†	11056108.3	93.43	mg/L	1.410	93.43	mg/L	1.410	1.51%
K 766.490†	58468.0	31.65	mg/L	0.041	31.65	mg/L	0.041	0.13%
Li 670.784†	15842.8	0.4900	mg/L	0.00327	0.4900	mg/L	0.00327	0.67%
Mg 279.077†	253309.1	22.31	mg/L	0.052	22.31	mg/L	0.052	0.23%
Mn 257.610†	1440447.2	2.544	mg/L	0.0028	2.544	mg/L	0.0028	0.11%
Mo 202.031†	7353.3	0.3585	mg/L	0.00424	0.3585	mg/L	0.00424	1.18%
Na 589.592†	128490.7	21.12	mg/L	0.007	21.12	mg/L	0.007	0.03%
Ni 231.604†	12585.4	0.4428	mg/L	0.00727	0.4428	mg/L	0.00727	1.64%
P 214.914†	14798.4	9.070	mg/L	0.1083	9.070	mg/L	0.1083	1.19%
Pb 220.353†	5922.2	0.4887	mg/L	0.00575	0.4887	mg/L	0.00575	1.18%
Sb 206.836†	358.6	0.2543	mg/L	0.00180	0.2543	mg/L	0.00180	0.71%
Se 196.026†	743.4	0.7645	mg/L	0.00845	0.7645	mg/L	0.00845	1.11%
Sn 189.927†	1688.1	0.6889	mg/L	0.00536	0.6889	mg/L	0.00536	0.78%
Sr 407.771†	133276.3	0.1403	mg/L	0.00001	0.1403	mg/L	0.00001	0.01%
Ti 337.279†	3745356.1	5.298	mg/L	0.0753	5.298	mg/L	0.0753	1.42%
Tl 190.801†	566.6	0.3209	mg/L	0.00093	0.3209	mg/L	0.00093	0.29%
V 292.402†	86905.0	0.5236	mg/L	0.00757	0.5236	mg/L	0.00757	1.45%
Zn 213.857†	62076.3	0.6630	mg/L	0.00875	0.6630	mg/L	0.00875	1.32%

Sequence No.: 11
 Sample ID: CJ20523-SD2 @5
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 17
 Date Collected: 10/6/2012 4:12:20PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

 Replicate Data: CJ20523-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	4.7	0.2	0.0027	mg/L	0.0027	mg/L	16:14:11
1	Fe 234.349†	32935.8	30786.3	26.40	mg/L	26.40	mg/L	16:14:01
1	K 766.490†	5874.3	5321.1	3.059	mg/L	3.059	mg/L	16:14:01
1	Li 670.784†	485.3	629.0	0.0200	mg/L	0.0200	mg/L	16:14:01
1	Na 589.592†	1264.2	1030.9	0.2699	mg/L	0.2699	mg/L	16:14:01
1	Sr 407.771†	24497.5	22763.5	0.0243	mg/L	0.0243	mg/L	16:14:01
1	Y 371.029	2650444.8	2650444.8	1.07	mg/L			16:14:28
1	Ag 328.068†	1005.3	-444.7	-0.0033	mg/L	-0.0033	mg/L	16:14:30
1	Al 237.313†	113280.4	105995.1	13.68	mg/L	13.68	mg/L	16:14:30
1	As 188.979†	0.1	-2.9	0.0091	mg/L	0.0091	mg/L	16:14:41
1	B 182.528†	5.0	2.0	0.0093	mg/L	0.0093	mg/L	16:14:41
1	Ba 233.527†	5397.2	5098.5	0.0686	mg/L	0.0686	mg/L	16:14:30
1	Be 313.107†	1491.0	1909.3	0.0010	mg/L	0.0010	mg/L	16:14:30
1	Ca 315.887†	555058.7	518585.2	4.869	mg/L	4.869	mg/L	16:14:28
1	Cd 228.802†	81.0	12.9	0.0004	mg/L	0.0004	mg/L	16:14:41
1	Co 228.616†	380.1	420.1	0.0052	mg/L	0.0052	mg/L	16:14:41
1	Cr 267.716†	2518.9	1945.7	0.0182	mg/L	0.0182	mg/L	16:14:30
1	Cu 324.752†	5605.7	4005.6	0.0203	mg/L	0.0203	mg/L	16:14:30
1	Fe 238.204†	3126638.5	2921882.0	24.68	mg/L	24.68	mg/L	16:14:28
1	Mg 279.077†	54890.3	51163.5	4.476	mg/L	4.476	mg/L	16:14:30
1	Mn 257.610†	295969.0	275433.3	0.4841	mg/L	0.4841	mg/L	16:14:28
1	Mo 202.031†	69.4	37.7	-0.0065	mg/L	-0.0065	mg/L	16:14:41
1	Ni 231.604†	406.4	398.6	0.0103	mg/L	0.0103	mg/L	16:14:41
1	P 214.914†	2428.9	1927.3	1.236	mg/L	1.236	mg/L	16:14:41
1	Pb 220.353†	414.2	329.0	0.0206	mg/L	0.0206	mg/L	16:14:41
1	Sb 206.836†	36.7	-2.5	-0.0150	mg/L	-0.0150	mg/L	16:14:41
1	Se 196.026†	-6.7	-6.4	0.0036	mg/L	0.0036	mg/L	16:14:41
1	Sn 189.927†	-43.7	-43.7	0.0646	mg/L	0.0646	mg/L	16:14:41
1	Ti 337.279†	1007044.9	941605.4	1.330	mg/L	1.330	mg/L	16:14:28
1	Tl 190.801†	6.1	3.7	-0.0188	mg/L	-0.0188	mg/L	16:14:41
1	V 292.402†	6197.9	6475.4	0.0325	mg/L	0.0325	mg/L	16:14:30
1	Zn 213.857†	8640.0	7273.5	0.0770	mg/L	0.0770	mg/L	16:14:30
2	B 249.677†	0.2	-3.9	0.0003	mg/L	0.0003	mg/L	16:14:24
2	Fe 234.349†	32180.5	30522.9	26.18	mg/L	26.18	mg/L	16:14:14
2	K 766.490†	5718.5	5254.2	3.023	mg/L	3.023	mg/L	16:14:14
2	Li 670.784†	397.8	552.7	0.0177	mg/L	0.0177	mg/L	16:14:14
2	Na 589.592†	1306.4	1088.3	0.2793	mg/L	0.2793	mg/L	16:14:14
2	Sr 407.771†	24004.4	22632.7	0.0242	mg/L	0.0242	mg/L	16:14:14
2	Y 371.029	2612019.4	2612019.4	1.05	mg/L			16:14:43
2	Ag 328.068†	1038.7	-399.2	-0.0029	mg/L	-0.0029	mg/L	16:14:45
2	Al 237.313†	112337.3	106658.2	13.76	mg/L	13.76	mg/L	16:14:45
2	As 188.979†	7.1	3.7	0.0172	mg/L	0.0172	mg/L	16:14:56
2	B 182.528†	3.5	0.6	0.0066	mg/L	0.0066	mg/L	16:14:56
2	Ba 233.527†	5321.3	5100.6	0.0687	mg/L	0.0687	mg/L	16:14:45
2	Be 313.107†	1475.0	1914.6	0.0010	mg/L	0.0010	mg/L	16:14:45
2	Ca 315.887†	540403.9	512319.1	4.810	mg/L	4.810	mg/L	16:14:43
2	Cd 228.802†	73.9	7.3	0.0002	mg/L	0.0002	mg/L	16:14:56
2	Co 228.616†	397.6	442.0	0.0058	mg/L	0.0058	mg/L	16:14:56
2	Cr 267.716†	2479.6	1943.0	0.0182	mg/L	0.0182	mg/L	16:14:45
2	Cu 324.752†	5574.9	4053.5	0.0205	mg/L	0.0205	mg/L	16:14:45
2	Fe 238.204†	3047136.5	2889475.5	24.41	mg/L	24.41	mg/L	16:14:43
2	Mg 279.077†	54350.1	51405.9	4.498	mg/L	4.498	mg/L	16:14:45
2	Mn 257.610†	288223.8	272157.5	0.4783	mg/L	0.4783	mg/L	16:14:43
2	Mo 202.031†	93.6	61.6	-0.0051	mg/L	-0.0051	mg/L	16:14:56
2	Ni 231.604†	411.5	409.0	0.0107	mg/L	0.0107	mg/L	16:14:56
2	P 214.914†	2417.3	1949.6	1.249	mg/L	1.249	mg/L	16:14:56
2	Pb 220.353†	386.0	307.9	0.0188	mg/L	0.0188	mg/L	16:14:56
2	Sb 206.836†	38.8	0.0	-0.0128	mg/L	-0.0128	mg/L	16:14:56
2	Se 196.026†	-5.9	-5.7	0.0042	mg/L	0.0042	mg/L	16:14:56
2	Sn 189.927†	-48.0	-48.4	0.0629	mg/L	0.0629	mg/L	16:14:56
2	Ti 337.279†	979561.1	929387.5	1.313	mg/L	1.313	mg/L	16:14:43
2	Tl 190.801†	5.9	3.6	-0.0187	mg/L	-0.0187	mg/L	16:14:56
2	V 292.402†	6201.4	6563.9	0.0331	mg/L	0.0331	mg/L	16:14:45

Mean Data: CJ20523-SD2 @5

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	2631232.1	1.06	mg/L	0.011				1.03%
Ag 328.068†	-421.9	-0.0031	mg/L	0.00026	-0.0031	mg/L	0.00026	8.49%
Al 237.313†	106326.6	13.72	mg/L	0.061	13.72	mg/L	0.061	0.44%
As 188.979†	0.4	0.0131	mg/L	0.00573	0.0131	mg/L	0.00573	43.63%
B 182.528†	1.3	0.0080	mg/L	0.00192	0.0080	mg/L	0.00192	24.15%
B 249.677†	-1.9	0.0015	mg/L	0.00171	0.0015	mg/L	0.00171	112.32%
Ba 233.527†	5099.5	0.0686	mg/L	0.00002	0.0686	mg/L	0.00002	0.03%
Be 313.107†	1911.9	0.0010	mg/L	0.00000	0.0010	mg/L	0.00000	0.23%
Ca 315.887†	515452.2	4.840	mg/L	0.0417	4.840	mg/L	0.0417	0.86%
Cd 228.802†	10.1	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	52.84%
Co 228.616†	431.0	0.0055	mg/L	0.00041	0.0055	mg/L	0.00041	7.52%
Cr 267.716†	1944.4	0.0182	mg/L	0.00002	0.0182	mg/L	0.00002	0.11%
Cu 324.752†	4029.5	0.0204	mg/L	0.00018	0.0204	mg/L	0.00018	0.89%
Fe 234.349†	30654.6	26.29	mg/L	0.160	26.29	mg/L	0.160	0.61%
Fe 238.204†	2905678.8	24.55	mg/L	0.194	24.55	mg/L	0.194	0.79%
K 766.490†	5287.7	3.041	mg/L	0.0254	3.041	mg/L	0.0254	0.84%
Li 670.784†	590.8	0.0188	mg/L	0.00167	0.0188	mg/L	0.00167	8.85%
Mg 279.077†	51284.7	4.487	mg/L	0.0151	4.487	mg/L	0.0151	0.34%
Mn 257.610†	273795.4	0.4812	mg/L	0.00410	0.4812	mg/L	0.00410	0.85%
Mo 202.031†	49.7	-0.0058	mg/L	0.00095	-0.0058	mg/L	0.00095	16.44%
Na 589.592†	1059.6	0.2746	mg/L	0.00664	0.2746	mg/L	0.00664	2.42%
Ni 231.604†	403.8	0.0105	mg/L	0.00026	0.0105	mg/L	0.00026	2.50%
P 214.914†	1938.4	1.243	mg/L	0.0090	1.243	mg/L	0.0090	0.73%
Pb 220.353†	318.4	0.0197	mg/L	0.00130	0.0197	mg/L	0.00130	6.61%
Sb 206.836†	-1.3	-0.0139	mg/L	0.00159	-0.0139	mg/L	0.00159	11.45%
Se 196.026†	-6.0	0.0039	mg/L	0.00042	0.0039	mg/L	0.00042	10.76%
Sn 189.927†	-46.0	0.0638	mg/L	0.00122	0.0638	mg/L	0.00122	1.92%
Sr 407.771†	22698.1	0.0243	mg/L	0.00010	0.0243	mg/L	0.00010	0.40%
Ti 337.279†	935496.5	1.322	mg/L	0.0122	1.322	mg/L	0.0122	0.92%
Tl 190.801†	3.7	-0.0188	mg/L	0.00006	-0.0188	mg/L	0.00006	0.34%
V 292.402†	6519.7	0.0328	mg/L	0.00044	0.0328	mg/L	0.00044	1.34%
Zn 213.857†	7292.9	0.0772	mg/L	0.00029	0.0772	mg/L	0.00029	0.38%

Sequence No.: 12

Sample ID: CJ20523-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 18

Date Collected: 10/6/2012 4:16:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20523-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	824.6	734.7	0.4294	mg/L	0.4294	mg/L	16:18:17
1	Fe 234.349†	134453.1	120492.1	103.3	mg/L	103.3	mg/L	16:18:15
1	K 766.490†	68081.8	60840.8	32.92	mg/L	32.92	mg/L	16:18:15
1	Li 670.784†	18736.3	16965.4	0.5246	mg/L	0.5246	mg/L	16:18:17
1	Na 589.592†	153686.7	137571.4	22.60	mg/L	22.60	mg/L	16:18:15
1	Sr 407.771†	144763.5	129594.7	0.1364	mg/L	0.1364	mg/L	16:18:15
1	Y 371.029	2764140.6	2764140.6	1.12	mg/L			16:18:30
1	Ag 328.068†	29206.4	24788.3	0.2174	mg/L	0.2174	mg/L	16:18:32
1	Al 237.313†	502485.4	450415.5	58.15	mg/L	58.15	mg/L	16:18:30
1	As 188.979†	387.1	343.9	0.4731	mg/L	0.4731	mg/L	16:18:42
1	B 182.528†	239.5	212.0	0.4190	mg/L	0.4190	mg/L	16:18:42
1	Ba 233.527†	58111.3	52129.2	0.7191	mg/L	0.7191	mg/L	16:18:32
1	Be 313.107†	90709.1	81802.2	0.0487	mg/L	0.0487	mg/L	16:18:32
1	Ca 315.887†	2894555.4	2593721.7	24.42	mg/L	24.42	mg/L	16:18:30
1	Cd 228.802†	6942.7	6158.7	0.2162	mg/L	0.2162	mg/L	16:18:42
1	Co 228.616†	20981.9	18867.2	0.4596	mg/L	0.4596	mg/L	16:18:32
1	Cr 267.716†	54140.2	48107.9	0.5271	mg/L	0.5271	mg/L	16:18:32
1	Cu 324.752†	103995.4	91959.2	0.5192	mg/L	0.5192	mg/L	16:18:32
1	Fe 238.204†	12383724.5	11097165.7	93.78	mg/L	93.78	mg/L	16:18:27
1	Mg 279.077†	278788.0	249693.1	21.99	mg/L	21.99	mg/L	16:18:30
1	Mn 257.610†	1507467.6	1349705.9	2.384	mg/L	2.384	mg/L	16:18:30
1	Mo 202.031†	9264.6	8275.1	0.4084	mg/L	0.4084	mg/L	16:18:42
1	Ni 231.604†	15245.1	13680.3	0.4817	mg/L	0.4817	mg/L	16:18:32

1	P 214.914†	16860.1	14766.0	9.044 mg/L	9.044 mg/L	16:18:42
1	Pb 220.353†	6887.1	6113.5	0.5065 mg/L	0.5065 mg/L	16:18:42
1	Sb 206.836†	595.1	496.5	0.3717 mg/L	0.3717 mg/L	16:18:42
1	Se 196.026†	919.8	824.2	0.8417 mg/L	0.8417 mg/L	16:18:42
1	Sn 189.927†	2116.2	1893.5	0.7274 mg/L	0.7274 mg/L	16:18:42
1	Ti 337.279†	4675989.8	4190714.4	5.928 mg/L	5.928 mg/L	16:18:27
1	Tl 190.801†	693.7	619.6	0.3583 mg/L	0.3583 mg/L	16:18:42
1	V 292.402†	108757.6	98143.1	0.5946 mg/L	0.5946 mg/L	16:18:32
1	Zn 213.857†	71271.0	63066.3	0.6734 mg/L	0.6734 mg/L	16:18:32
2	B 249.677†	838.1	760.8	0.4446 mg/L	0.4446 mg/L	16:18:22
2	Fe 234.349†	135696.4	123869.2	106.2 mg/L	106.2 mg/L	16:18:20
2	K 766.490†	68290.0	62166.3	33.63 mg/L	33.63 mg/L	16:18:20
2	Li 670.784†	18824.3	17358.3	0.5368 mg/L	0.5368 mg/L	16:18:22
2	Na 589.592†	154648.3	141012.1	23.17 mg/L	23.17 mg/L	16:18:20
2	Sr 407.771†	145880.0	133028.1	0.1400 mg/L	0.1400 mg/L	16:18:20
2	Y 371.029	2713640.1	2713640.1	1.10 mg/L	1.10 mg/L	16:18:48
2	Ag 328.068†	28706.5	24819.0	0.2179 mg/L	0.2179 mg/L	16:18:50
2	Al 237.313†	493912.7	450970.2	58.22 mg/L	58.22 mg/L	16:18:48
2	As 188.979†	390.4	353.4	0.4861 mg/L	0.4861 mg/L	16:19:00
2	B 182.528†	236.4	213.2	0.4213 mg/L	0.4213 mg/L	16:19:00
2	Ba 233.527†	57462.0	52505.7	0.7244 mg/L	0.7244 mg/L	16:18:50
2	Be 313.107†	89237.4	81971.6	0.0489 mg/L	0.0489 mg/L	16:18:50
2	Ca 315.887†	2839684.9	2591907.7	24.40 mg/L	24.40 mg/L	16:18:48
2	Cd 228.802†	6919.4	6253.2	0.2195 mg/L	0.2195 mg/L	16:19:00
2	Co 228.616†	20618.0	18884.9	0.4599 mg/L	0.4599 mg/L	16:18:50
2	Cr 267.716†	53414.7	48348.5	0.5298 mg/L	0.5298 mg/L	16:18:50
2	Cu 324.752†	102345.9	92187.9	0.5205 mg/L	0.5205 mg/L	16:18:50
2	Fe 238.204†	12291575.4	11219572.1	94.82 mg/L	94.82 mg/L	16:18:45
2	Mg 279.077†	273459.2	249478.2	21.97 mg/L	21.97 mg/L	16:18:48
2	Mn 257.610†	1482115.7	1351704.4	2.387 mg/L	2.387 mg/L	16:18:48
2	Mo 202.031†	9288.5	8451.4	0.4169 mg/L	0.4169 mg/L	16:19:00
2	Ni 231.604†	14949.7	13664.8	0.4812 mg/L	0.4812 mg/L	16:18:50
2	P 214.914†	16812.4	15003.6	9.192 mg/L	9.192 mg/L	16:19:00
2	Pb 220.353†	6922.1	6260.4	0.5192 mg/L	0.5192 mg/L	16:19:00
2	Sb 206.836†	599.2	510.2	0.3819 mg/L	0.3819 mg/L	16:19:00
2	Se 196.026†	919.7	839.4	0.8577 mg/L	0.8577 mg/L	16:19:00
2	Sn 189.927†	2110.5	1923.6	0.7426 mg/L	0.7426 mg/L	16:19:00
2	Ti 337.279†	4632215.9	4228737.9	5.982 mg/L	5.982 mg/L	16:18:45
2	Tl 190.801†	687.9	625.9	0.3610 mg/L	0.3610 mg/L	16:19:00
2	V 292.402†	106974.9	98329.6	0.5953 mg/L	0.5953 mg/L	16:18:50
2	Zn 213.857†	69940.8	63040.7	0.6731 mg/L	0.6731 mg/L	16:18:50

Mean Data: CJ20523-PDS2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2738890.3	1.11	mg/L	0.014				1.30%
Ag 328.068†	24803.7	0.2177	mg/L	0.00034	0.2177	mg/L	0.00034	0.16%
Al 237.313†	450692.8	58.18	mg/L	0.051	58.18	mg/L	0.051	0.09%
As 188.979†	348.7	0.4796	mg/L	0.00924	0.4796	mg/L	0.00924	1.93%
B 182.528†	212.6	0.4202	mg/L	0.00167	0.4202	mg/L	0.00167	0.40%
B 249.677†	747.8	0.4370	mg/L	0.01074	0.4370	mg/L	0.01074	2.46%
Ba 233.527†	52317.4	0.7217	mg/L	0.00368	0.7217	mg/L	0.00368	0.51%
Be 313.107†	81886.9	0.0488	mg/L	0.00007	0.0488	mg/L	0.00007	0.15%
Ca 315.887†	2592814.7	24.41	mg/L	0.012	24.41	mg/L	0.012	0.05%
Cd 228.802†	6205.9	0.2179	mg/L	0.00233	0.2179	mg/L	0.00233	1.07%
Co 228.616†	18876.1	0.4598	mg/L	0.00024	0.4598	mg/L	0.00024	0.05%
Cr 267.716†	48228.2	0.5285	mg/L	0.00188	0.5285	mg/L	0.00188	0.36%
Cu 324.752†	92073.6	0.5198	mg/L	0.00094	0.5198	mg/L	0.00094	0.18%
Fe 234.349†	122180.6	104.7	mg/L	2.05	104.7	mg/L	2.05	1.95%
Fe 238.204†	11158368.9	94.30	mg/L	0.732	94.30	mg/L	0.732	0.78%
K 766.490†	61503.5	33.28	mg/L	0.504	33.28	mg/L	0.504	1.51%
Li 670.784†	17161.8	0.5307	mg/L	0.00858	0.5307	mg/L	0.00858	1.62%
Mg 279.077†	249585.6	21.98	mg/L	0.013	21.98	mg/L	0.013	0.06%
Mn 257.610†	1350705.2	2.385	mg/L	0.0025	2.385	mg/L	0.0025	0.10%
Mo 202.031†	8363.3	0.4127	mg/L	0.00601	0.4127	mg/L	0.00601	1.46%
Na 589.592†	139291.7	22.89	mg/L	0.398	22.89	mg/L	0.398	1.74%
Ni 231.604†	13672.5	0.4814	mg/L	0.00038	0.4814	mg/L	0.00038	0.08%
P 214.914†	14884.8	9.118	mg/L	0.1047	9.118	mg/L	0.1047	1.15%
Pb 220.353†	6186.9	0.5128	mg/L	0.00895	0.5128	mg/L	0.00895	1.74%
Sb 206.836†	503.3	0.3768	mg/L	0.00726	0.3768	mg/L	0.00726	1.93%
Se 196.026†	831.8	0.8497	mg/L	0.01132	0.8497	mg/L	0.01132	1.33%
Sn 189.927†	1908.5	0.7350	mg/L	0.01079	0.7350	mg/L	0.01079	1.47%

Sr 407.771†	131311.4	0.1382 mg/L	0.00255	0.1382 mg/L	0.00255	1.84%
Ti 337.279†	4209726.1	5.955 mg/L	0.0380	5.955 mg/L	0.0380	0.64%
Tl 190.801†	622.8	0.3596 mg/L	0.00190	0.3596 mg/L	0.00190	0.53%
V 292.402†	98236.4	0.5949 mg/L	0.00047	0.5949 mg/L	0.00047	0.08%
Zn 213.857†	63053.5	0.6732 mg/L	0.00019	0.6732 mg/L	0.00019	0.03%

Sequence No.: 13
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/6/2012 4:20:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	861.4	962.9	0.5620 mg/L	0.5620 mg/L	0.5620 mg/L	16:22:32
1	Fe 234.349†	3029.0	3406.3	2.925 mg/L	2.925 mg/L	2.925 mg/L	16:22:32
1	K 766.490†	45785.9	51233.6	27.75 mg/L	27.75 mg/L	27.75 mg/L	16:22:22
1	Li 670.784†	16305.7	18481.3	0.5715 mg/L	0.5715 mg/L	0.5715 mg/L	16:22:22
1	Na 589.592†	152174.7	170690.9	28.02 mg/L	28.02 mg/L	28.02 mg/L	16:22:22
1	Sr 407.771†	47150.2	52803.0	0.0558 mg/L	0.0558 mg/L	0.0558 mg/L	16:22:22
1	Y 371.029	2206359.3	2206359.3	0.891 mg/L	0.891 mg/L	0.891 mg/L	16:22:49
1	Ag 328.068†	32048.6	34595.7	0.2931 mg/L	0.2931 mg/L	0.2931 mg/L	16:22:51
1	Al 237.313†	20302.4	22920.4	2.957 mg/L	2.957 mg/L	2.957 mg/L	16:22:51
1	As 188.979†	382.9	426.9	0.5345 mg/L	0.5345 mg/L	0.5345 mg/L	16:23:01
1	B 182.528†	246.8	274.4	0.5409 mg/L	0.5409 mg/L	0.5409 mg/L	16:23:01
1	Ba 233.527†	37652.0	42325.0	0.5835 mg/L	0.5835 mg/L	0.5835 mg/L	16:22:51
1	Be 313.107†	89666.3	101181.3	0.0603 mg/L	0.0603 mg/L	0.0603 mg/L	16:22:51
1	Ca 315.887†	552464.9	620082.1	5.828 mg/L	5.828 mg/L	5.828 mg/L	16:22:49
1	Cd 228.802†	7372.5	8214.0	0.2886 mg/L	0.2886 mg/L	0.2886 mg/L	16:23:01
1	Co 228.616†	21221.4	23889.4	0.5962 mg/L	0.5962 mg/L	0.5962 mg/L	16:22:51
1	Cr 267.716†	48066.1	53553.9	0.5873 mg/L	0.5873 mg/L	0.5873 mg/L	16:22:51
1	Cu 324.752†	96324.0	106906.5	0.5991 mg/L	0.5991 mg/L	0.5991 mg/L	16:22:51
1	Fe 238.204†	313288.4	351561.8	2.960 mg/L	2.960 mg/L	2.960 mg/L	16:22:51
1	Mg 279.077†	60703.3	68014.7	5.963 mg/L	5.963 mg/L	5.963 mg/L	16:22:51
1	Mn 257.610†	308260.0	344905.0	0.6071 mg/L	0.6071 mg/L	0.6071 mg/L	16:22:51
1	Mo 202.031†	9527.1	10668.7	0.5672 mg/L	0.5672 mg/L	0.5672 mg/L	16:23:01
1	Ni 231.604†	14934.5	16785.3	0.5920 mg/L	0.5920 mg/L	0.5920 mg/L	16:22:51
1	P 214.914†	8535.8	9240.1	5.517 mg/L	5.517 mg/L	5.517 mg/L	16:23:01
1	Pb 220.353†	5903.4	6569.4	0.5610 mg/L	0.5610 mg/L	0.5610 mg/L	16:23:01
1	Sb 206.836†	619.6	658.9	0.5530 mg/L	0.5530 mg/L	0.5530 mg/L	16:23:01
1	Se 196.026†	1031.5	1157.9	1.123 mg/L	1.123 mg/L	1.123 mg/L	16:23:01
1	Sn 189.927†	2301.8	2581.3	0.5895 mg/L	0.5895 mg/L	0.5895 mg/L	16:23:01
1	Ti 337.279†	375222.7	421709.1	0.5947 mg/L	0.5947 mg/L	0.5947 mg/L	16:22:51
1	Tl 190.801†	740.6	829.4	0.5688 mg/L	0.5688 mg/L	0.5688 mg/L	16:23:01
1	V 292.402†	84780.8	95863.6	0.6050 mg/L	0.6050 mg/L	0.6050 mg/L	16:22:51
1	Zn 213.857†	50884.0	56324.7	0.6001 mg/L	0.6001 mg/L	0.6001 mg/L	16:22:51
2	B 249.677†	862.5	830.7	0.4853 mg/L	0.4853 mg/L	0.4853 mg/L	16:22:45
2	Fe 234.349†	3020.4	2929.6	2.518 mg/L	2.518 mg/L	2.518 mg/L	16:22:45
2	K 766.490†	45473.2	43851.2	23.78 mg/L	23.78 mg/L	23.78 mg/L	16:22:35
2	Li 670.784†	16091.9	15753.1	0.4872 mg/L	0.4872 mg/L	0.4872 mg/L	16:22:35
2	Na 589.592†	151132.0	146151.2	24.01 mg/L	24.01 mg/L	24.01 mg/L	16:22:35
2	Sr 407.771†	46722.3	45098.1	0.0478 mg/L	0.0478 mg/L	0.0478 mg/L	16:22:35
2	Y 371.029	2558784.7	2558784.7	1.03 mg/L	1.03 mg/L	1.03 mg/L	16:23:04
2	Ag 328.068†	31000.5	28625.5	0.2423 mg/L	0.2423 mg/L	0.2423 mg/L	16:23:06
2	Al 237.313†	19829.8	19323.5	2.492 mg/L	2.492 mg/L	2.492 mg/L	16:23:06
2	As 188.979†	394.2	378.6	0.4742 mg/L	0.4742 mg/L	0.4742 mg/L	16:23:16
2	B 182.528†	246.9	236.4	0.4667 mg/L	0.4667 mg/L	0.4667 mg/L	16:23:16
2	Ba 233.527†	36203.1	35100.4	0.4836 mg/L	0.4836 mg/L	0.4836 mg/L	16:23:06
2	Be 313.107†	86351.1	84107.2	0.0501 mg/L	0.0501 mg/L	0.0501 mg/L	16:23:06
2	Ca 315.887†	540735.3	523301.6	4.916 mg/L	4.916 mg/L	4.916 mg/L	16:23:04
2	Cd 228.802†	7441.9	7141.2	0.2509 mg/L	0.2509 mg/L	0.2509 mg/L	16:23:16
2	Co 228.616†	20517.2	19926.4	0.4969 mg/L	0.4969 mg/L	0.4969 mg/L	16:23:06
2	Cr 267.716†	46261.8	44374.9	0.4861 mg/L	0.4861 mg/L	0.4861 mg/L	16:23:06
2	Cu 324.752†	92926.5	88723.4	0.4967 mg/L	0.4967 mg/L	0.4967 mg/L	16:23:06
2	Fe 238.204†	301189.3	291406.6	2.452 mg/L	2.452 mg/L	2.452 mg/L	16:23:06
2	Mg 279.077†	58561.8	56555.3	4.952 mg/L	4.952 mg/L	4.952 mg/L	16:23:06
2	Mn 257.610†	296461.7	285818.6	0.5026 mg/L	0.5026 mg/L	0.5026 mg/L	16:23:06
2	Mo 202.031†	9584.3	9250.9	0.4918 mg/L	0.4918 mg/L	0.4918 mg/L	16:23:16
2	Ni 231.604†	14383.4	13942.5	0.4911 mg/L	0.4911 mg/L	0.4911 mg/L	16:23:06
2	P 214.914†	8657.1	8037.8	4.803 mg/L	4.803 mg/L	4.803 mg/L	16:23:16

2	Pb 220.353†	5915.8	5668.6	0.4836 mg/L	0.4836 mg/L	16:23:16
2	Sb 206.836†	610.6	554.3	0.4650 mg/L	0.4650 mg/L	16:23:16
2	Se 196.026†	1043.1	1009.6	0.9787 mg/L	0.9787 mg/L	16:23:16
2	Sn 189.927†	2330.1	2252.7	0.5140 mg/L	0.5140 mg/L	16:23:16
2	Ti 337.279†	360824.9	349752.0	0.4929 mg/L	0.4929 mg/L	16:23:06
2	Tl 190.801†	747.8	721.9	0.4947 mg/L	0.4947 mg/L	16:23:16
2	V 292.402†	81596.3	79671.6	0.5026 mg/L	0.5026 mg/L	16:23:06
2	Zn 213.857†	49126.7	46755.5	0.4980 mg/L	0.4980 mg/L	16:23:06

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2382572.0	0.962 mg/L		0.1006			10.46%
Ag 328.068†	31610.6	0.2677 mg/L		0.03595	0.2677 mg/L	0.03595	13.43%
QC value within limits for Ag 328.068			Recovery =	107.09%			
Al 237.313†	21122.0	2.725 mg/L		0.3291	2.725 mg/L	0.3291	12.08%
QC value within limits for Al 237.313			Recovery =	108.99%			
As 188.979†	402.8	0.5044 mg/L		0.04262	0.5044 mg/L	0.04262	8.45%
QC value within limits for As 188.979			Recovery =	100.87%			
B 182.528†	255.4	0.5038 mg/L		0.05245	0.5038 mg/L	0.05245	10.41%
QC value within limits for B 182.528			Recovery =	100.76%			
B 249.677†	896.8	0.5237 mg/L		0.05424	0.5237 mg/L	0.05424	10.36%
QC value within limits for B 249.677			Recovery =	104.73%			
Ba 233.527†	38712.7	0.5335 mg/L		0.07066	0.5335 mg/L	0.07066	13.24%
QC value within limits for Ba 233.527			Recovery =	106.70%			
Be 313.107†	92644.2	0.0552 mg/L		0.00722	0.0552 mg/L	0.00722	13.07%
QC value greater than the upper limit for Be 313.107			Recovery =	110.45%			
Ca 315.887†	571691.9	5.372 mg/L		0.6451	5.372 mg/L	0.6451	12.01%
QC value within limits for Ca 315.887			Recovery =	107.44%			
Cd 228.802†	7677.6	0.2697 mg/L		0.02668	0.2697 mg/L	0.02668	9.89%
QC value within limits for Cd 228.802			Recovery =	107.89%			
Co 228.616†	21907.9	0.5466 mg/L		0.07025	0.5466 mg/L	0.07025	12.85%
QC value within limits for Co 228.616			Recovery =	109.31%			
Cr 267.716†	48964.4	0.5367 mg/L		0.07154	0.5367 mg/L	0.07154	13.33%
QC value within limits for Cr 267.716			Recovery =	107.33%			
Cu 324.752†	97815.0	0.5479 mg/L		0.07246	0.5479 mg/L	0.07246	13.22%
QC value within limits for Cu 324.752			Recovery =	109.58%			
Fe 234.349†	3168.0	2.722 mg/L		0.2874	2.722 mg/L	0.2874	10.56%
QC value within limits for Fe 234.349			Recovery =	108.86%			
Fe 238.204†	321484.2	2.706 mg/L		0.3596	2.706 mg/L	0.3596	13.29%
QC value within limits for Fe 238.204			Recovery =	108.25%			
K 766.490†	47542.4	25.77 mg/L		2.808	25.77 mg/L	2.808	10.90%
QC value within limits for K 766.490			Recovery =	103.07%			
Li 670.784†	17117.2	0.5293 mg/L		0.05959	0.5293 mg/L	0.05959	11.26%
QC value within limits for Li 670.784			Recovery =	105.86%			
Mg 279.077†	62285.0	5.457 mg/L		0.7149	5.457 mg/L	0.7149	13.10%
QC value within limits for Mg 279.077			Recovery =	109.15%			
Mn 257.610†	315361.8	0.5548 mg/L		0.07389	0.5548 mg/L	0.07389	13.32%
QC value greater than the upper limit for Mn 257.610			Recovery =	110.97%			
Mo 202.031†	9959.8	0.5295 mg/L		0.05331	0.5295 mg/L	0.05331	10.07%
QC value within limits for Mo 202.031			Recovery =	105.91%			
Na 589.592†	158421.0	26.01 mg/L		2.838	26.01 mg/L	2.838	10.91%
QC value within limits for Na 589.592			Recovery =	104.06%			
Ni 231.604†	15363.9	0.5415 mg/L		0.07132	0.5415 mg/L	0.07132	13.17%
QC value within limits for Ni 231.604			Recovery =	108.30%			
P 214.914†	8639.0	5.160 mg/L		0.5048	5.160 mg/L	0.5048	9.78%
QC value within limits for P 214.914			Recovery =	103.20%			
Pb 220.353†	6119.0	0.5223 mg/L		0.05473	0.5223 mg/L	0.05473	10.48%
QC value within limits for Pb 220.353			Recovery =	104.47%			
Sb 206.836†	606.6	0.5090 mg/L		0.06219	0.5090 mg/L	0.06219	12.22%
QC value within limits for Sb 206.836			Recovery =	101.80%			
Se 196.026†	1083.8	1.051 mg/L		0.1018	1.051 mg/L	0.1018	9.69%
QC value within limits for Se 196.026			Recovery =	105.06%			
Sn 189.927†	2417.0	0.5518 mg/L		0.05337	0.5518 mg/L	0.05337	9.67%
QC value greater than the upper limit for Sn 189.927			Recovery =	110.35%			
Sr 407.771†	48950.6	0.0518 mg/L		0.00572	0.0518 mg/L	0.00572	11.03%
QC value within limits for Sr 407.771			Recovery =	103.61%			
Ti 337.279†	385730.6	0.5438 mg/L		0.07200	0.5438 mg/L	0.07200	13.24%
QC value within limits for Ti 337.279			Recovery =	108.75%			
Tl 190.801†	775.7	0.5318 mg/L		0.05240	0.5318 mg/L	0.05240	9.85%
QC value within limits for Tl 190.801			Recovery =	106.35%			
V 292.402†	87767.6	0.5538 mg/L		0.07243	0.5538 mg/L	0.07243	13.08%

QC value greater than the upper limit for V 292.402 Recovery = 110.76%
 Zn 213.857† 51540.1 0.5491 mg/L 0.07223 0.5491 mg/L 0.07223 13.15%
 QC value within limits for Zn 213.857 Recovery = 109.81%
 QC Failed. Continue with analysis.

Sequence No.: 14 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/6/2012 4:24:54 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	2.3	-1.9	0.0015	mg/L	0.0015	mg/L	16:26:54
1	Fe 234.349†	-4.3	1.6	0.0199	mg/L	0.0199	mg/L	16:26:54
1	K 766.490†	178.5	4.9	0.1999	mg/L	0.1999	mg/L	16:26:44
1	Li 670.784†	-176.3	3.9	0.0007	mg/L	0.0007	mg/L	16:26:44
1	Na 589.592†	-46.6	-196.0	0.0692	mg/L	0.0692	mg/L	16:26:44
1	Sr 407.771†	146.6	11.7	0.0005	mg/L	0.0005	mg/L	16:26:44
1	Y 371.029	2546199.6	2546199.6	1.03	mg/L			16:27:18
1	Ag 328.068†	1238.0	-179.9	-0.0031	mg/L	-0.0031	mg/L	16:27:21
1	Al 237.313†	-132.8	-1.7	-0.0080	mg/L	-0.0080	mg/L	16:27:31
1	As 188.979†	0.6	-2.4	-0.0014	mg/L	-0.0014	mg/L	16:27:31
1	B 182.528†	-0.6	-3.2	-0.0009	mg/L	-0.0009	mg/L	16:27:31
1	Ba 233.527†	-38.8	16.7	-0.0017	mg/L	-0.0017	mg/L	16:27:31
1	Be 313.107†	-480.3	48.6	-0.0001	mg/L	-0.0001	mg/L	16:27:21
1	Ca 315.887†	482.8	318.0	-0.0132	mg/L	-0.0132	mg/L	16:27:21
1	Cd 228.802†	61.3	-3.2	-0.0001	mg/L	-0.0001	mg/L	16:27:31
1	Co 228.616†	-52.6	13.7	-0.0024	mg/L	-0.0024	mg/L	16:27:31
1	Cr 267.716†	402.9	-16.5	-0.0034	mg/L	-0.0034	mg/L	16:27:21
1	Cu 324.752†	1900.4	615.6	0.0001	mg/L	0.0001	mg/L	16:27:21
1	Fe 238.204†	562.1	390.1	-0.0084	mg/L	-0.0084	mg/L	16:27:31
1	Mg 279.077†	172.6	33.0	-0.0349	mg/L	-0.0349	mg/L	16:27:21
1	Mn 257.610†	449.3	-731.2	-0.0042	mg/L	-0.0042	mg/L	16:27:31
1	Mo 202.031†	16.8	-10.7	-0.0008	mg/L	-0.0008	mg/L	16:27:31
1	Ni 231.604†	-23.2	-3.8	-0.0039	mg/L	-0.0039	mg/L	16:27:31
1	P 214.914†	352.0	-0.3	0.0276	mg/L	0.0276	mg/L	16:27:31
1	Pb 220.353†	62.0	2.2	-0.0037	mg/L	-0.0037	mg/L	16:27:31
1	Sb 206.836†	39.7	1.8	0.0003	mg/L	0.0003	mg/L	16:27:31
1	Se 196.026†	4.2	4.0	0.0024	mg/L	0.0024	mg/L	16:27:31
1	Sn 189.927†	1.7	-1.2	-0.0029	mg/L	-0.0029	mg/L	16:27:31
1	Ti 337.279†	-191.0	273.3	-0.0017	mg/L	-0.0017	mg/L	16:27:21
1	Tl 190.801†	3.7	1.6	-0.0034	mg/L	-0.0034	mg/L	16:27:31
1	V 292.402†	-573.7	125.0	-0.0014	mg/L	-0.0014	mg/L	16:27:21
1	Zn 213.857†	948.1	121.2	0.0002	mg/L	0.0002	mg/L	16:27:31
2	B 249.677†	3.1	-1.1	0.0020	mg/L	0.0020	mg/L	16:27:15
2	Fe 234.349†	-4.3	1.6	0.0199	mg/L	0.0199	mg/L	16:27:15
2	K 766.490†	199.0	25.0	0.2106	mg/L	0.2106	mg/L	16:27:05
2	Li 670.784†	-173.4	6.8	0.0008	mg/L	0.0008	mg/L	16:27:05
2	Na 589.592†	-32.4	-182.1	0.0715	mg/L	0.0715	mg/L	16:27:05
2	Sr 407.771†	132.0	-2.5	0.0005	mg/L	0.0005	mg/L	16:27:05
2	Y 371.029	2545501.5	2545501.5	1.03	mg/L			16:27:33
2	Ag 328.068†	1220.3	-196.8	-0.0032	mg/L	-0.0032	mg/L	16:27:35
2	Al 237.313†	-91.8	38.2	-0.0029	mg/L	-0.0029	mg/L	16:27:46
2	As 188.979†	1.1	-1.9	-0.0008	mg/L	-0.0008	mg/L	16:27:46
2	B 182.528†	2.1	-0.6	0.0042	mg/L	0.0042	mg/L	16:27:46
2	Ba 233.527†	-44.3	11.3	-0.0017	mg/L	-0.0017	mg/L	16:27:46
2	Be 313.107†	-479.5	49.2	-0.0001	mg/L	-0.0001	mg/L	16:27:35
2	Ca 315.887†	346.9	185.8	-0.0145	mg/L	-0.0145	mg/L	16:27:35
2	Cd 228.802†	69.4	4.7	0.0001	mg/L	0.0001	mg/L	16:27:46
2	Co 228.616†	-53.6	12.7	-0.0024	mg/L	-0.0024	mg/L	16:27:46
2	Cr 267.716†	409.6	-9.8	-0.0033	mg/L	-0.0033	mg/L	16:27:35
2	Cu 324.752†	1776.2	495.1	-0.0005	mg/L	-0.0005	mg/L	16:27:35
2	Fe 238.204†	512.3	341.8	-0.0088	mg/L	-0.0088	mg/L	16:27:46
2	Mg 279.077†	166.8	27.4	-0.0354	mg/L	-0.0354	mg/L	16:27:35
2	Mn 257.610†	458.0	-722.6	-0.0042	mg/L	-0.0042	mg/L	16:27:46
2	Mo 202.031†	27.1	-0.7	-0.0003	mg/L	-0.0003	mg/L	16:27:46
2	Ni 231.604†	-18.1	1.1	-0.0037	mg/L	-0.0037	mg/L	16:27:46
2	P 214.914†	354.5	2.2	0.0291	mg/L	0.0291	mg/L	16:27:46
2	Pb 220.353†	61.2	1.4	-0.0038	mg/L	-0.0038	mg/L	16:27:46

2	Sb 206.836†	34.1	-3.6	-0.0042 mg/L	-0.0042 mg/L	16:27:46
2	Se 196.026†	2.6	2.5	0.0009 mg/L	0.0009 mg/L	16:27:46
2	Sn 189.927†	4.8	1.8	-0.0022 mg/L	-0.0022 mg/L	16:27:46
2	Ti 337.279†	89.2	546.0	-0.0013 mg/L	-0.0013 mg/L	16:27:35
2	Tl 190.801†	3.8	1.7	-0.0033 mg/L	-0.0033 mg/L	16:27:46
2	V 292.402†	-561.3	136.8	-0.0013 mg/L	-0.0013 mg/L	16:27:35
2	Zn 213.857†	943.8	117.3	0.0002 mg/L	0.0002 mg/L	16:27:46

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2545850.5	1.03 mg/L	0.000			0.02%
Ag 328.068†	-188.3	-0.0031 mg/L	0.00010	-0.0031 mg/L	0.00010	3.25%
QC value	less than the lower limit for Ag 328.068			Recovery = Not calculated		
Al 237.313†	18.3	-0.0054 mg/L	0.00364	-0.0054 mg/L	0.00364	67.00%
QC value	within limits for Al 237.313			Recovery = Not calculated		
As 188.979†	-2.2	-0.0011 mg/L	0.00045	-0.0011 mg/L	0.00045	40.87%
QC value	within limits for As 188.979			Recovery = Not calculated		
B 182.528†	-1.9	0.0016 mg/L	0.00361	0.0016 mg/L	0.00361	222.13%
QC value	within limits for B 182.528			Recovery = Not calculated		
B 249.677†	-1.5	0.0018 mg/L	0.00033	0.0018 mg/L	0.00033	18.77%
QC value	within limits for B 249.677			Recovery = Not calculated		
Ba 233.527†	14.0	-0.0017 mg/L	0.00005	-0.0017 mg/L	0.00005	3.09%
QC value	within limits for Ba 233.527			Recovery = Not calculated		
Be 313.107†	48.9	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	0.21%
QC value	within limits for Be 313.107			Recovery = Not calculated		
Ca 315.887†	251.9	-0.0139 mg/L	0.00088	-0.0139 mg/L	0.00088	6.36%
QC value	within limits for Ca 315.887			Recovery = Not calculated		
Cd 228.802†	0.8	0.0000 mg/L	0.00020	0.0000 mg/L	0.00020	>999.9%
QC value	within limits for Cd 228.802			Recovery = Not calculated		
Co 228.616†	13.2	-0.0024 mg/L	0.00002	-0.0024 mg/L	0.00002	0.73%
QC value	less than the lower limit for Co 228.616			Recovery = Not calculated		
Cr 267.716†	-13.1	-0.0034 mg/L	0.00005	-0.0034 mg/L	0.00005	1.57%
QC value	within limits for Cr 267.716			Recovery = Not calculated		
Cu 324.752†	555.3	-0.0002 mg/L	0.00048	-0.0002 mg/L	0.00048	243.50%
QC value	within limits for Cu 324.752			Recovery = Not calculated		
Fe 234.349†	1.6	0.0199 mg/L	0.00000	0.0199 mg/L	0.00000	0.01%
QC value	greater than the upper limit for Fe 234.349			Recovery = Not calculated		
Fe 238.204†	365.9	-0.0086 mg/L	0.00029	-0.0086 mg/L	0.00029	3.35%
QC value	within limits for Fe 238.204			Recovery = Not calculated		
K 766.490†	14.9	0.2052 mg/L	0.00762	0.2052 mg/L	0.00762	3.71%
QC value	greater than the upper limit for K 766.490			Recovery = Not calculated		
Li 670.784†	5.3	0.0007 mg/L	0.00006	0.0007 mg/L	0.00006	8.30%
QC value	within limits for Li 670.784			Recovery = Not calculated		
Mg 279.077†	30.2	-0.0351 mg/L	0.00035	-0.0351 mg/L	0.00035	0.99%
QC value	less than the lower limit for Mg 279.077			Recovery = Not calculated		
Mn 257.610†	-726.9	-0.0042 mg/L	0.00001	-0.0042 mg/L	0.00001	0.26%
QC value	less than the lower limit for Mn 257.610			Recovery = Not calculated		
Mo 202.031†	-5.7	-0.0005 mg/L	0.00038	-0.0005 mg/L	0.00038	69.13%
QC value	within limits for Mo 202.031			Recovery = Not calculated		
Na 589.592†	-189.1	0.0704 mg/L	0.00160	0.0704 mg/L	0.00160	2.27%
QC value	within limits for Na 589.592			Recovery = Not calculated		
Ni 231.604†	-1.3	-0.0038 mg/L	0.00012	-0.0038 mg/L	0.00012	3.25%
QC value	less than the lower limit for Ni 231.604			Recovery = Not calculated		
P 214.914†	0.9	0.0284 mg/L	0.00107	0.0284 mg/L	0.00107	3.77%
QC value	greater than the upper limit for P 214.914			Recovery = Not calculated		
Pb 220.353†	1.8	-0.0037 mg/L	0.00005	-0.0037 mg/L	0.00005	1.28%
QC value	within limits for Pb 220.353			Recovery = Not calculated		
Sb 206.836†	-0.9	-0.0019 mg/L	0.00319	-0.0019 mg/L	0.00319	164.32%
QC value	within limits for Sb 206.836			Recovery = Not calculated		
Se 196.026†	3.2	0.0016 mg/L	0.00108	0.0016 mg/L	0.00108	65.68%
QC value	within limits for Se 196.026			Recovery = Not calculated		
Sn 189.927†	0.3	-0.0026 mg/L	0.00049	-0.0026 mg/L	0.00049	19.18%
QC value	within limits for Sn 189.927			Recovery = Not calculated		
Sr 407.771†	4.6	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	2.29%
QC value	within limits for Sr 407.771			Recovery = Not calculated		
Ti 337.279†	409.6	-0.0015 mg/L	0.00027	-0.0015 mg/L	0.00027	18.48%
QC value	less than the lower limit for Ti 337.279			Recovery = Not calculated		
Tl 190.801†	1.6	-0.0033 mg/L	0.00005	-0.0033 mg/L	0.00005	1.45%
QC value	within limits for Tl 190.801			Recovery = Not calculated		
V 292.402†	130.9	-0.0013 mg/L	0.00006	-0.0013 mg/L	0.00006	4.11%
QC value	less than the lower limit for V 292.402			Recovery = Not calculated		

QC value within limits for Zn 213.857 Recovery= Not calculated

QC Failed. Continue with analysis.

User canceled analysis.

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Analysis Begun

Start Time: 10/6/2012 4:29:01 PM Plasma On Time: 10/6/2012 11:46:03 AM
Logged In Analyst: ICP3 Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\100612NA.sif

Batch ID:

Results Data Set: 100612NADREP

Results Library: C:\pe\ICP3\Results\Results.mdb

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Sequence No.: 13 Autosampler Location: 3
Sample ID: CCV1 Date Collected: 10/6/2012 4:29:01 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	891.7	869.4	0.5078 mg/L	0.5078 mg/L	16:30:51
1	Fe 234.349†	3159.1	3100.7	2.665 mg/L	2.665 mg/L	16:30:51
1	K 766.490†	47281.1	46153.0	25.02 mg/L	25.02 mg/L	16:30:41
1	Li 670.784†	16676.2	16513.3	0.5107 mg/L	0.5107 mg/L	16:30:41
1	Na 589.592†	156422.6	153097.9	25.14 mg/L	25.14 mg/L	16:30:41
1	Sr 407.771†	49147.1	48018.9	0.0508 mg/L	0.0508 mg/L	16:30:41
1	Y 371.029	2528309.2	2528309.2	1.02 mg/L		16:31:07
1	Ag 328.068†	31354.6	29334.1	0.2483 mg/L	0.2483 mg/L	16:31:10
1	Al 237.313†	19905.7	19629.3	2.532 mg/L	2.532 mg/L	16:31:10
1	As 188.979†	386.9	376.0	0.4711 mg/L	0.4711 mg/L	16:31:20
1	B 182.528†	255.0	247.2	0.4878 mg/L	0.4878 mg/L	16:31:20
1	Ba 233.527†	36878.6	36184.7	0.4986 mg/L	0.4986 mg/L	16:31:10
1	Be 313.107†	87756.1	86491.2	0.0515 mg/L	0.0515 mg/L	16:31:10
1	Ca 315.887†	542567.2	531405.9	4.992 mg/L	4.992 mg/L	16:31:07
1	Cd 228.802†	7512.3	7297.0	0.2564 mg/L	0.2564 mg/L	16:31:20
1	Co 228.616†	20902.9	20543.6	0.5124 mg/L	0.5124 mg/L	16:31:10
1	Cr 267.716†	46842.2	45483.4	0.4983 mg/L	0.4983 mg/L	16:31:10
1	Cu 324.752†	93897.5	90758.9	0.5081 mg/L	0.5081 mg/L	16:31:10
1	Fe 238.204†	306054.5	299687.5	2.522 mg/L	2.522 mg/L	16:31:10
1	Mg 279.077†	59515.1	58172.5	5.094 mg/L	5.094 mg/L	16:31:10
1	Mn 257.610†	301481.4	294195.6	0.5174 mg/L	0.5174 mg/L	16:31:10
1	Mo 202.031†	9660.4	9437.3	0.5017 mg/L	0.5017 mg/L	16:31:20
1	Ni 231.604†	14637.9	14359.6	0.5059 mg/L	0.5059 mg/L	16:31:10
1	P 214.914†	8752.4	8232.1	4.919 mg/L	4.919 mg/L	16:31:20
1	Pb 220.353†	6020.9	5840.6	0.4984 mg/L	0.4984 mg/L	16:31:20
1	Sb 206.836†	627.2	577.6	0.4846 mg/L	0.4846 mg/L	16:31:20
1	Se 196.026†	1054.6	1033.1	1.002 mg/L	1.002 mg/L	16:31:20
1	Sn 189.927†	2338.7	2288.4	0.5225 mg/L	0.5225 mg/L	16:31:20
1	Ti 337.279†	364728.5	357786.7	0.5042 mg/L	0.5042 mg/L	16:31:10
1	Tl 190.801†	747.8	730.6	0.5006 mg/L	0.5006 mg/L	16:31:20
1	V 292.402†	82720.8	81725.3	0.5155 mg/L	0.5155 mg/L	16:31:10
1	Zn 213.857†	49862.4	48049.5	0.5118 mg/L	0.5118 mg/L	16:31:10
2	B 249.677†	884.2	852.9	0.4982 mg/L	0.4982 mg/L	16:31:04
2	Fe 234.349†	3094.9	3006.0	2.584 mg/L	2.584 mg/L	16:31:04
2	K 766.490†	46953.5	45348.3	24.59 mg/L	24.59 mg/L	16:30:53
2	Li 670.784†	16744.5	16407.7	0.5074 mg/L	0.5074 mg/L	16:30:53
2	Na 589.592†	156221.1	151291.2	24.85 mg/L	24.85 mg/L	16:30:53
2	Sr 407.771†	48882.4	47255.9	0.0500 mg/L	0.0500 mg/L	16:30:53
2	Y 371.029	2555176.8	2555176.8	1.03 mg/L		16:31:22
2	Ag 328.068†	31319.1	28976.8	0.2453 mg/L	0.2453 mg/L	16:31:25
2	Al 237.313†	19983.4	19499.5	2.515 mg/L	2.515 mg/L	16:31:25
2	As 188.979†	397.0	381.9	0.4783 mg/L	0.4783 mg/L	16:31:35
2	B 182.528†	254.8	244.4	0.4823 mg/L	0.4823 mg/L	16:31:35
2	Ba 233.527†	37143.9	36061.9	0.4969 mg/L	0.4969 mg/L	16:31:25
2	Be 313.107†	88060.2	85882.0	0.0512 mg/L	0.0512 mg/L	16:31:25

2	Ca	315.887†	552443.7	535391.0	5.030 mg/L	5.030 mg/L	16:31:22
2	Cd	228.802†	7543.9	7250.2	0.2547 mg/L	0.2547 mg/L	16:31:35
2	Co	228.616†	20881.3	20307.3	0.5064 mg/L	0.5064 mg/L	16:31:25
2	Cr	267.716†	47033.4	45186.1	0.4950 mg/L	0.4950 mg/L	16:31:25
2	Cu	324.752†	93814.5	89711.2	0.5022 mg/L	0.5022 mg/L	16:31:25
2	Fe	238.204†	307783.7	298210.9	2.509 mg/L	2.509 mg/L	16:31:25
2	Mg	279.077†	59915.3	57947.3	5.075 mg/L	5.075 mg/L	16:31:25
2	Mn	257.610†	303009.2	292571.0	0.5145 mg/L	0.5145 mg/L	16:31:25
2	Mo	202.031†	9697.3	9373.5	0.4984 mg/L	0.4984 mg/L	16:31:35
2	Ni	231.604†	14761.8	14329.0	0.5048 mg/L	0.5048 mg/L	16:31:25
2	P	214.914†	8784.1	8172.7	4.884 mg/L	4.884 mg/L	16:31:35
2	Pb	220.353†	6009.7	5767.7	0.4922 mg/L	0.4922 mg/L	16:31:35
2	Sb	206.836†	627.5	571.5	0.4795 mg/L	0.4795 mg/L	16:31:35
2	Se	196.026†	1056.9	1024.5	0.9931 mg/L	0.9931 mg/L	16:31:35
2	Sn	189.927†	2360.0	2285.0	0.5215 mg/L	0.5215 mg/L	16:31:35
2	Ti	337.279†	365018.8	354310.9	0.4993 mg/L	0.4993 mg/L	16:31:25
2	Tl	190.801†	749.1	724.2	0.4962 mg/L	0.4962 mg/L	16:31:35
2	V	292.402†	82859.5	81007.6	0.5110 mg/L	0.5110 mg/L	16:31:25
2	Zn	213.857†	50100.7	47766.8	0.5088 mg/L	0.5088 mg/L	16:31:25

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2541743.0	1.03 mg/L	0.008			0.75%
Ag 328.068†	29155.4	0.2468 mg/L	0.00215	0.2468 mg/L	0.00215	0.87%
	QC value within limits for Ag 328.068 Recovery = 98.73%					
Al 237.313†	19564.4	2.523 mg/L	0.0119	2.523 mg/L	0.0119	0.47%
	QC value within limits for Al 237.313 Recovery = 100.93%					
As 188.979†	379.0	0.4747 mg/L	0.00514	0.4747 mg/L	0.00514	1.08%
	QC value within limits for As 188.979 Recovery = 94.94%					
B 182.528†	245.8	0.4850 mg/L	0.00388	0.4850 mg/L	0.00388	0.80%
	QC value within limits for B 182.528 Recovery = 97.01%					
B 249.677†	861.2	0.5030 mg/L	0.00678	0.5030 mg/L	0.00678	1.35%
	QC value within limits for B 249.677 Recovery = 100.60%					
Ba 233.527†	36123.3	0.4977 mg/L	0.00120	0.4977 mg/L	0.00120	0.24%
	QC value within limits for Ba 233.527 Recovery = 99.54%					
Be 313.107†	86186.6	0.0514 mg/L	0.00026	0.0514 mg/L	0.00026	0.50%
	QC value within limits for Be 313.107 Recovery = 102.73%					
Ca 315.887†	533398.4	5.011 mg/L	0.0265	5.011 mg/L	0.0265	0.53%
	QC value within limits for Ca 315.887 Recovery = 100.22%					
Cd 228.802†	7273.6	0.2556 mg/L	0.00119	0.2556 mg/L	0.00119	0.47%
	QC value within limits for Cd 228.802 Recovery = 102.22%					
Co 228.616†	20425.5	0.5094 mg/L	0.00419	0.5094 mg/L	0.00419	0.82%
	QC value within limits for Co 228.616 Recovery = 101.88%					
Cr 267.716†	45334.7	0.4967 mg/L	0.00232	0.4967 mg/L	0.00232	0.47%
	QC value within limits for Cr 267.716 Recovery = 99.33%					
Cu 324.752†	90235.1	0.5052 mg/L	0.00417	0.5052 mg/L	0.00417	0.83%
	QC value within limits for Cu 324.752 Recovery = 101.04%					
Fe 234.349†	3053.4	2.624 mg/L	0.0574	2.624 mg/L	0.0574	2.19%
	QC value within limits for Fe 234.349 Recovery = 104.97%					
Fe 238.204†	298949.2	2.516 mg/L	0.0088	2.516 mg/L	0.0088	0.35%
	QC value within limits for Fe 238.204 Recovery = 100.63%					
K 766.490†	45750.6	24.80 mg/L	0.306	24.80 mg/L	0.306	1.23%
	QC value within limits for K 766.490 Recovery = 99.22%					
Li 670.784†	16460.5	0.5090 mg/L	0.00231	0.5090 mg/L	0.00231	0.45%
	QC value within limits for Li 670.784 Recovery = 101.81%					
Mg 279.077†	58059.9	5.085 mg/L	0.0140	5.085 mg/L	0.0140	0.28%
	QC value within limits for Mg 279.077 Recovery = 101.69%					
Mn 257.610†	293383.3	0.5160 mg/L	0.00203	0.5160 mg/L	0.00203	0.39%
	QC value within limits for Mn 257.610 Recovery = 103.20%					
Mo 202.031†	9405.4	0.5000 mg/L	0.00238	0.5000 mg/L	0.00238	0.48%
	QC value within limits for Mo 202.031 Recovery = 100.01%					
Na 589.592†	152194.6	25.00 mg/L	0.209	25.00 mg/L	0.209	0.84%
	QC value within limits for Na 589.592 Recovery = 99.99%					
Ni 231.604†	14344.3	0.5053 mg/L	0.00077	0.5053 mg/L	0.00077	0.15%
	QC value within limits for Ni 231.604 Recovery = 101.07%					
P 214.914†	8202.4	4.901 mg/L	0.0250	4.901 mg/L	0.0250	0.51%
	QC value within limits for P 214.914 Recovery = 98.02%					
Pb 220.353†	5804.2	0.4953 mg/L	0.00444	0.4953 mg/L	0.00444	0.90%
	QC value within limits for Pb 220.353 Recovery = 99.06%					
Sb 206.836†	574.6	0.4821 mg/L	0.00361	0.4821 mg/L	0.00361	0.75%
	QC value within limits for Sb 206.836 Recovery = 96.41%					

Se 196.026†	1028.8	0.9973 mg/L	0.00595	0.9973 mg/L	0.00595	0.60%
QC value within limits for Se 196.026 Recovery = 99.73%						
Sn 189.927†	2286.7	0.5220 mg/L	0.00071	0.5220 mg/L	0.00071	0.14%
QC value within limits for Sn 189.927 Recovery = 104.40%						
Sr 407.771†	47637.4	0.0504 mg/L	0.00057	0.0504 mg/L	0.00057	1.12%
QC value within limits for Sr 407.771 Recovery = 100.86%						
Ti 337.279†	356048.8	0.5018 mg/L	0.00348	0.5018 mg/L	0.00348	0.69%
QC value within limits for Ti 337.279 Recovery = 100.35%						
Tl 190.801†	727.4	0.4984 mg/L	0.00312	0.4984 mg/L	0.00312	0.63%
QC value within limits for Tl 190.801 Recovery = 99.68%						
V 292.402†	81366.5	0.5133 mg/L	0.00320	0.5133 mg/L	0.00320	0.62%
QC value within limits for V 292.402 Recovery = 102.66%						
Zn 213.857†	47908.1	0.5103 mg/L	0.00214	0.5103 mg/L	0.00214	0.42%
QC value within limits for Zn 213.857 Recovery = 102.06%						

All analyte(s) passed QC.

Sequence No.: 14	Autosampler Location: 1
Sample ID: CCB1	Date Collected: 10/6/2012 4:33:13 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	7.7	3.3	0.0045 mg/L	0.0045 mg/L	16:35:12
1	Fe 234.349†	-4.9	1.1	0.0194 mg/L	0.0194 mg/L	16:35:12
1	K 766.490†	149.9	-24.3	0.1841 mg/L	0.1841 mg/L	16:35:02
1	Li 670.784†	-197.5	-14.9	0.0001 mg/L	0.0001 mg/L	16:35:02
1	Na 589.592†	9.4	-141.5	0.0781 mg/L	0.0781 mg/L	16:35:02
1	Sr 407.771†	131.7	-4.0	0.0005 mg/L	0.0005 mg/L	16:35:02
1	Y 371.029	2570419.3	2570419.3	1.04 mg/L		16:35:36
1	Ag 328.068†	1307.9	-123.8	-0.0026 mg/L	-0.0026 mg/L	16:35:39
1	Al 237.313†	-125.3	6.7	-0.0069 mg/L	-0.0069 mg/L	16:35:49
1	As 188.979†	-0.5	-3.5	-0.0027 mg/L	-0.0027 mg/L	16:35:49
1	B 182.528†	-1.0	-3.6	-0.0017 mg/L	-0.0017 mg/L	16:35:49
1	Ba 233.527†	-57.2	-0.7	-0.0019 mg/L	-0.0019 mg/L	16:35:49
1	Be 313.107†	-449.7	82.5	-0.0001 mg/L	-0.0001 mg/L	16:35:39
1	Ca 315.887†	346.8	182.5	-0.0145 mg/L	-0.0145 mg/L	16:35:39
1	Cd 228.802†	68.6	3.3	0.0001 mg/L	0.0001 mg/L	16:35:49
1	Co 228.616†	-52.1	14.6	-0.0024 mg/L	-0.0024 mg/L	16:35:49
1	Cr 267.716†	386.8	-35.6	-0.0036 mg/L	-0.0036 mg/L	16:35:39
1	Cu 324.752†	1733.7	437.4	-0.0009 mg/L	-0.0009 mg/L	16:35:39
1	Fe 238.204†	274.5	107.8	-0.0108 mg/L	-0.0108 mg/L	16:35:49
1	Mg 279.077†	152.4	12.0	-0.0368 mg/L	-0.0368 mg/L	16:35:39
1	Mn 257.610†	387.0	-795.3	-0.0043 mg/L	-0.0043 mg/L	16:35:49
1	Mo 202.031†	21.0	-6.9	-0.0006 mg/L	-0.0006 mg/L	16:35:49
1	Ni 231.604†	-25.8	-6.1	-0.0040 mg/L	-0.0040 mg/L	16:35:49
1	P 214.914†	365.3	9.3	0.0334 mg/L	0.0334 mg/L	16:35:49
1	Pb 220.353†	87.4	26.1	-0.0016 mg/L	-0.0016 mg/L	16:35:49
1	Sb 206.836†	37.6	-0.6	-0.0017 mg/L	-0.0017 mg/L	16:35:49
1	Se 196.026†	4.2	4.0	0.0024 mg/L	0.0024 mg/L	16:35:49
1	Sn 189.927†	20.8	17.2	0.0012 mg/L	0.0012 mg/L	16:35:49
1	Ti 337.279†	-233.2	234.4	-0.0017 mg/L	-0.0017 mg/L	16:35:39
1	Tl 190.801†	4.3	2.1	-0.0030 mg/L	-0.0030 mg/L	16:35:49
1	V 292.402†	-594.5	110.2	-0.0015 mg/L	-0.0015 mg/L	16:35:39
1	Zn 213.857†	935.9	100.7	0.0000 mg/L	0.0000 mg/L	16:35:49
2	B 249.677†	6.6	2.2	0.0039 mg/L	0.0039 mg/L	16:35:33
2	Fe 234.349†	-9.7	-3.6	0.0154 mg/L	0.0154 mg/L	16:35:33
2	K 766.490†	190.0	15.2	0.2054 mg/L	0.2054 mg/L	16:35:23
2	Li 670.784†	-170.3	10.5	0.0009 mg/L	0.0009 mg/L	16:35:23
2	Na 589.592†	-22.7	-172.6	0.0731 mg/L	0.0731 mg/L	16:35:23
2	Sr 407.771†	147.5	11.8	0.0005 mg/L	0.0005 mg/L	16:35:23
2	Y 371.029	2558599.7	2558599.7	1.03 mg/L		16:35:51
2	Ag 328.068†	1331.0	-95.7	-0.0023 mg/L	-0.0023 mg/L	16:35:53
2	Al 237.313†	-137.0	-5.1	-0.0085 mg/L	-0.0085 mg/L	16:36:04
2	As 188.979†	6.4	3.2	0.0056 mg/L	0.0056 mg/L	16:36:04
2	B 182.528†	7.5	4.7	0.0144 mg/L	0.0144 mg/L	16:36:04
2	Ba 233.527†	-42.5	13.3	-0.0017 mg/L	-0.0017 mg/L	16:36:04
2	Be 313.107†	-442.4	87.5	-0.0001 mg/L	-0.0001 mg/L	16:35:53
2	Ca 315.887†	323.9	161.8	-0.0147 mg/L	-0.0147 mg/L	16:35:53

2	Cd	228.802†	68.6	3.6	0.0001 mg/L	0.0001 mg/L	16:36:04
2	Co	228.616†	-53.6	13.0	-0.0024 mg/L	-0.0024 mg/L	16:36:04
2	Cr	267.716†	419.1	-2.6	-0.0032 mg/L	-0.0032 mg/L	16:35:53
2	Cu	324.752†	1721.3	433.1	-0.0009 mg/L	-0.0009 mg/L	16:35:53
2	Fe	238.204†	272.9	107.5	-0.0108 mg/L	-0.0108 mg/L	16:36:04
2	Mg	279.077†	128.6	-10.4	-0.0387 mg/L	-0.0387 mg/L	16:35:53
2	Mn	257.610†	378.1	-802.1	-0.0043 mg/L	-0.0043 mg/L	16:36:04
2	Mo	202.031†	9.8	-17.6	-0.0012 mg/L	-0.0012 mg/L	16:36:04
2	Ni	231.604†	-19.4	-0.0	-0.0038 mg/L	-0.0038 mg/L	16:36:04
2	P	214.914†	378.2	23.5	0.0418 mg/L	0.0418 mg/L	16:36:04
2	Pb	220.353†	64.8	4.6	-0.0035 mg/L	-0.0035 mg/L	16:36:04
2	Sb	206.836†	36.0	-2.0	-0.0028 mg/L	-0.0028 mg/L	16:36:04
2	Se	196.026†	4.3	4.1	0.0024 mg/L	0.0024 mg/L	16:36:04
2	Sn	189.927†	9.4	6.2	-0.0012 mg/L	-0.0012 mg/L	16:36:04
2	Ti	337.279†	-10.7	448.7	-0.0014 mg/L	-0.0014 mg/L	16:35:53
2	Tl	190.801†	5.1	2.9	-0.0024 mg/L	-0.0024 mg/L	16:36:04
2	V	292.402†	-722.4	-16.3	-0.0023 mg/L	-0.0023 mg/L	16:35:53
2	Zn	213.857†	949.5	118.1	0.0002 mg/L	0.0002 mg/L	16:36:04

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2564509.5	1.04 mg/L	0.003			0.33%
Ag 328.068†	-109.7	-0.0025 mg/L	0.00017	-0.0025 mg/L	0.00017	6.89%
QC value within limits for Ag 328.068						Recovery = Not calculated
Al 237.313†	0.8	-0.0077 mg/L	0.00108	-0.0077 mg/L	0.00108	14.02%
QC value within limits for Al 237.313						Recovery = Not calculated
As 188.979†	-0.2	0.0014 mg/L	0.00591	0.0014 mg/L	0.00591	412.55%
QC value within limits for As 188.979						Recovery = Not calculated
B 182.528†	0.5	0.0064 mg/L	0.01142	0.0064 mg/L	0.01142	179.70%
QC value within limits for B 182.528						Recovery = Not calculated
B 249.677†	2.8	0.0042 mg/L	0.00043	0.0042 mg/L	0.00043	10.24%
QC value within limits for B 249.677						Recovery = Not calculated
Ba 233.527†	6.3	-0.0018 mg/L	0.00014	-0.0018 mg/L	0.00014	7.57%
QC value within limits for Ba 233.527						Recovery = Not calculated
Be 313.107†	85.0	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	1.91%
QC value within limits for Be 313.107						Recovery = Not calculated
Ca 315.887†	172.2	-0.0146 mg/L	0.00014	-0.0146 mg/L	0.00014	0.96%
QC value within limits for Ca 315.887						Recovery = Not calculated
Cd 228.802†	3.5	0.0001 mg/L	0.00002	0.0001 mg/L	0.00002	21.43%
QC value within limits for Cd 228.802						Recovery = Not calculated
Co 228.616†	13.8	-0.0024 mg/L	0.00003	-0.0024 mg/L	0.00003	1.24%
QC value less than the lower limit for Co 228.616						Recovery = Not calculated
Cr 267.716†	-19.1	-0.0034 mg/L	0.00026	-0.0034 mg/L	0.00026	7.49%
QC value within limits for Cr 267.716						Recovery = Not calculated
Cu 324.752†	435.3	-0.0009 mg/L	0.00002	-0.0009 mg/L	0.00002	1.93%
QC value within limits for Cu 324.752						Recovery = Not calculated
Fe 234.349†	-1.3	0.0174 mg/L	0.00285	0.0174 mg/L	0.00285	16.40%
QC value greater than the upper limit for Fe 234.349						Recovery = Not calculated
Fe 238.204†	107.6	-0.0108 mg/L	0.00000	-0.0108 mg/L	0.00000	0.02%
QC value within limits for Fe 238.204						Recovery = Not calculated
K 766.490†	-4.5	0.1948 mg/L	0.01504	0.1948 mg/L	0.01504	7.72%
QC value greater than the upper limit for K 766.490						Recovery = Not calculated
Li 670.784†	-2.2	0.0005 mg/L	0.00056	0.0005 mg/L	0.00056	107.81%
QC value within limits for Li 670.784						Recovery = Not calculated
Mg 279.077†	0.8	-0.0377 mg/L	0.00140	-0.0377 mg/L	0.00140	3.70%
QC value less than the lower limit for Mg 279.077						Recovery = Not calculated
Mn 257.610†	-798.7	-0.0043 mg/L	0.00001	-0.0043 mg/L	0.00001	0.20%
QC value less than the lower limit for Mn 257.610						Recovery = Not calculated
Mo 202.031†	-12.3	-0.0009 mg/L	0.00040	-0.0009 mg/L	0.00040	45.12%
QC value within limits for Mo 202.031						Recovery = Not calculated
Na 589.592†	-157.0	0.0756 mg/L	0.00359	0.0756 mg/L	0.00359	4.75%
QC value within limits for Na 589.592						Recovery = Not calculated
Ni 231.604†	-3.0	-0.0039 mg/L	0.00015	-0.0039 mg/L	0.00015	3.87%
QC value less than the lower limit for Ni 231.604						Recovery = Not calculated
P 214.914†	16.4	0.0376 mg/L	0.00595	0.0376 mg/L	0.00595	15.83%
QC value greater than the upper limit for P 214.914						Recovery = Not calculated
Pb 220.353†	15.4	-0.0026 mg/L	0.00131	-0.0026 mg/L	0.00131	51.20%
QC value within limits for Pb 220.353						Recovery = Not calculated
Sb 206.836†	-1.3	-0.0023 mg/L	0.00084	-0.0023 mg/L	0.00084	37.54%
QC value within limits for Sb 206.836						Recovery = Not calculated
Se 196.026†	4.0	0.0024 mg/L	0.00006	0.0024 mg/L	0.00006	2.46%

QC value within limits for Se 196.026 Recovery = Not calculated
 Sn 189.927† 11.7 0.0000 mg/L 0.00176 0.0000 mg/L 0.00176 >999.9%
 QC value within limits for Sn 189.927 Recovery = Not calculated
 Sr 407.771† 3.9 0.0005 mg/L 0.00001 0.0005 mg/L 0.00001 2.56%
 QC value within limits for Sr 407.771 Recovery = Not calculated
 Ti 337.279† 341.6 -0.0016 mg/L 0.00021 -0.0016 mg/L 0.00021 13.64%
 QC value less than the lower limit for Ti 337.279 Recovery = Not calculated
 Tl 190.801† 2.5 -0.0027 mg/L 0.00041 -0.0027 mg/L 0.00041 15.31%
 QC value within limits for Tl 190.801 Recovery = Not calculated
 V 292.402† 46.9 -0.0019 mg/L 0.00056 -0.0019 mg/L 0.00056 29.91%
 QC value less than the lower limit for V 292.402 Recovery = Not calculated
 Zn 213.857† 109.4 0.0001 mg/L 0.00013 0.0001 mg/L 0.00013 130.10%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 15 Autosampler Location: 19
 Sample ID: 1210155-01 Date Collected: 10/6/2012 4:37:41 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: 1210155-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	103.5	92.4	0.0563 mg/L	0.0563 mg/L	16:39:24
1	Fe 234.349†	179587.7	167491.3	143.5 mg/L	143.5 mg/L	16:39:22
1	K 766.490†	31102.4	28837.8	15.71 mg/L	15.71 mg/L	16:39:24
1	Li 670.784†	3117.8	3083.1	0.0958 mg/L	0.0958 mg/L	16:39:24
1	Na 589.592†	6829.9	6219.1	1.119 mg/L	1.119 mg/L	16:39:24
1	Sr 407.771†	230360.8	214706.2	0.2257 mg/L	0.2257 mg/L	16:39:22
1	Y 371.029	2655989.7	2655989.7	1.07 mg/L	1.07 mg/L	16:39:38
1	Ag 328.068†	-25.4	-1407.9	-0.0024 mg/L	-0.0024 mg/L	16:39:40
1	Al 237.313†	683037.3	637135.8	82.25 mg/L	82.25 mg/L	16:39:38
1	As 188.979†	39.1	33.5	0.1033 mg/L	0.1033 mg/L	16:39:50
1	B 182.528†	27.6	23.1	0.0504 mg/L	0.0504 mg/L	16:39:50
1	Ba 233.527†	38886.1	36320.0	0.5006 mg/L	0.5006 mg/L	16:39:40
1	Be 313.107†	19956.7	19127.7	0.0113 mg/L	0.0113 mg/L	16:39:40
1	Ca 315.887†	5320085.1	4961419.7	46.72 mg/L	46.72 mg/L	16:39:38
1	Cd 228.802†	168.9	94.7	0.0031 mg/L	0.0031 mg/L	16:39:50
1	Co 228.616†	2086.8	2011.0	0.0405 mg/L	0.0405 mg/L	16:39:50
1	Cr 267.716†	11866.2	10658.2	0.1142 mg/L	0.1142 mg/L	16:39:40
1	Cu 324.752†	40351.9	36399.4	0.2046 mg/L	0.2046 mg/L	16:39:40
1	Fe 238.204†	15249914.7	14222086.1	120.2 mg/L	120.2 mg/L	16:39:34
1	Mg 279.077†	253410.4	236198.5	20.80 mg/L	20.80 mg/L	16:39:38
1	Mn 257.610†	1799647.0	1677202.9	2.963 mg/L	2.963 mg/L	16:39:38
1	Mo 202.031†	332.0	282.5	-0.0300 mg/L	-0.0300 mg/L	16:39:50
1	Ni 231.604†	2285.3	2150.1	0.0724 mg/L	0.0724 mg/L	16:39:50
1	P 214.914†	11928.1	10781.6	6.777 mg/L	6.777 mg/L	16:39:50
1	Pb 220.353†	8012.9	7414.8	0.6123 mg/L	0.6123 mg/L	16:39:50
1	Sb 206.836†	69.6	28.1	-0.0410 mg/L	-0.0410 mg/L	16:39:50
1	Se 196.026†	-44.0	-41.1	0.0198 mg/L	0.0198 mg/L	16:39:50
1	Sn 189.927†	-221.3	-209.2	0.3697 mg/L	0.3697 mg/L	16:39:50
1	Ti 337.279†	2821301.3	2631636.6	3.722 mg/L	3.722 mg/L	16:39:38
1	Tl 190.801†	12.4	9.6	-0.0851 mg/L	-0.0851 mg/L	16:39:50
1	V 292.402†	39942.1	37933.6	0.2061 mg/L	0.2061 mg/L	16:39:40
1	Zn 213.857†	78466.9	72377.9	0.7763 mg/L	0.7763 mg/L	16:39:40
2	B 249.677†	109.6	98.2	0.0597 mg/L	0.0597 mg/L	16:39:28
2	Fe 234.349†	180067.8	168283.1	144.2 mg/L	144.2 mg/L	16:39:26
2	K 766.490†	30707.3	28528.0	15.54 mg/L	15.54 mg/L	16:39:28
2	Li 670.784†	3141.3	3111.1	0.0967 mg/L	0.0967 mg/L	16:39:28
2	Na 589.592†	6810.1	6213.6	1.118 mg/L	1.118 mg/L	16:39:28
2	Sr 407.771†	230750.8	215510.8	0.2265 mg/L	0.2265 mg/L	16:39:26
2	Y 371.029	2650558.4	2650558.4	1.07 mg/L	1.07 mg/L	16:39:57
2	Ag 328.068†	-60.7	-1440.9	-0.0026 mg/L	-0.0026 mg/L	16:40:00
2	Al 237.313†	679460.4	635098.4	81.99 mg/L	81.99 mg/L	16:39:57
2	As 188.979†	41.7	36.0	0.1067 mg/L	0.1067 mg/L	16:40:10
2	B 182.528†	37.2	32.2	0.0681 mg/L	0.0681 mg/L	16:40:10
2	Ba 233.527†	38726.3	36245.0	0.4995 mg/L	0.4995 mg/L	16:40:00
2	Be 313.107†	19803.8	19022.9	0.0112 mg/L	0.0112 mg/L	16:40:00
2	Ca 315.887†	5283110.7	4937033.1	46.49 mg/L	46.49 mg/L	16:39:57
2	Cd 228.802†	173.4	99.3	0.0033 mg/L	0.0033 mg/L	16:40:10

2	Co	228.616†	2062.5	1992.3	0.0400	mg/L	0.0400	mg/L	16:40:10
2	Cr	267.716†	11857.9	10673.1	0.1144	mg/L	0.1144	mg/L	16:40:00
2	Cu	324.752†	40123.0	36262.6	0.2038	mg/L	0.2038	mg/L	16:40:00
2	Fe	238.204†	15107092.6	14117758.3	119.3	mg/L	119.3	mg/L	16:39:54
2	Mg	279.077†	252058.6	235419.5	20.73	mg/L	20.73	mg/L	16:39:57
2	Mn	257.610†	1789504.0	1671163.2	2.952	mg/L	2.952	mg/L	16:39:57
2	Mo	202.031†	338.4	289.2	-0.0298	mg/L	-0.0298	mg/L	16:40:10
2	Ni	231.604†	2275.9	2145.7	0.0723	mg/L	0.0723	mg/L	16:40:10
2	P	214.914†	11916.2	10793.3	6.785	mg/L	6.785	mg/L	16:40:10
2	Pb	220.353†	8056.0	7470.4	0.6172	mg/L	0.6172	mg/L	16:40:10
2	Sb	206.836†	82.4	40.2	-0.0311	mg/L	-0.0311	mg/L	16:40:10
2	Se	196.026†	-39.6	-37.1	0.0240	mg/L	0.0240	mg/L	16:40:10
2	Sn	189.927†	-233.8	-221.4	0.3689	mg/L	0.3689	mg/L	16:40:10
2	Ti	337.279†	2810637.9	2627063.0	3.715	mg/L	3.715	mg/L	16:39:57
2	Tl	190.801†	18.6	15.4	-0.0815	mg/L	-0.0815	mg/L	16:40:10
2	V	292.402†	39920.1	37989.3	0.2063	mg/L	0.2063	mg/L	16:40:00
2	Zn	213.857†	78218.2	72295.5	0.7754	mg/L	0.7754	mg/L	16:40:00

Mean Data: 1210155-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2653274.1	1.07 mg/L	0.002			0.14%
Ag 328.068†	-1424.4	-0.0025 mg/L	0.00016	-0.0025 mg/L	0.00016	6.41%
Al 237.313†	636117.1	82.12 mg/L	0.186	82.12 mg/L	0.186	0.23%
As 188.979†	34.7	0.1050 mg/L	0.00236	0.1050 mg/L	0.00236	2.25%
B 182.528†	27.6	0.0592 mg/L	0.01252	0.0592 mg/L	0.01252	21.13%
B 249.677†	95.3	0.0580 mg/L	0.00241	0.0580 mg/L	0.00241	4.16%
Ba 233.527†	36282.5	0.5001 mg/L	0.00073	0.5001 mg/L	0.00073	0.15%
Be 313.107†	19075.3	0.0112 mg/L	0.00004	0.0112 mg/L	0.00004	0.39%
Ca 315.887†	4949226.4	46.61 mg/L	0.162	46.61 mg/L	0.162	0.35%
Cd 228.802†	97.0	0.0032 mg/L	0.00010	0.0032 mg/L	0.00010	3.26%
Co 228.616†	2001.7	0.0402 mg/L	0.00032	0.0402 mg/L	0.00032	0.80%
Cr 267.716†	10665.7	0.1143 mg/L	0.00012	0.1143 mg/L	0.00012	0.10%
Cu 324.752†	36331.0	0.2042 mg/L	0.00055	0.2042 mg/L	0.00055	0.27%
Fe 234.349†	167887.2	143.9 mg/L	0.48	143.9 mg/L	0.48	0.33%
Fe 238.204†	14169922.2	119.8 mg/L	0.62	119.8 mg/L	0.62	0.52%
K 766.490†	28682.9	15.62 mg/L	0.118	15.62 mg/L	0.118	0.75%
Li 670.784†	3097.1	0.0963 mg/L	0.00061	0.0963 mg/L	0.00061	0.63%
Mg 279.077†	235809.0	20.77 mg/L	0.049	20.77 mg/L	0.049	0.23%
Mn 257.610†	1674183.0	2.957 mg/L	0.0076	2.957 mg/L	0.0076	0.26%
Mo 202.031†	285.8	-0.0299 mg/L	0.00010	-0.0299 mg/L	0.00010	0.34%
Na 589.592†	6216.3	1.118 mg/L	0.0006	1.118 mg/L	0.0006	0.06%
Ni 231.604†	2147.9	0.0724 mg/L	0.00011	0.0724 mg/L	0.00011	0.15%
P 214.914†	10787.4	6.781 mg/L	0.0060	6.781 mg/L	0.0060	0.09%
Pb 220.353†	7442.6	0.6148 mg/L	0.00344	0.6148 mg/L	0.00344	0.56%
Sb 206.836†	34.2	-0.0361 mg/L	0.00701	-0.0361 mg/L	0.00701	19.43%
Se 196.026†	-39.1	0.0219 mg/L	0.00294	0.0219 mg/L	0.00294	13.42%
Sn 189.927†	-215.3	0.3693 mg/L	0.00054	0.3693 mg/L	0.00054	0.15%
Sr 407.771†	215108.5	0.2261 mg/L	0.00060	0.2261 mg/L	0.00060	0.26%
Ti 337.279†	2629349.8	3.719 mg/L	0.0046	3.719 mg/L	0.0046	0.12%
Tl 190.801†	12.5	-0.0833 mg/L	0.00260	-0.0833 mg/L	0.00260	3.12%
V 292.402†	37961.4	0.2062 mg/L	0.00016	0.2062 mg/L	0.00016	0.08%
Zn 213.857†	72336.7	0.7758 mg/L	0.00063	0.7758 mg/L	0.00063	0.08%

Sequence No.: 16
Sample ID: 1210140-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 10/6/2012 4:41:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210140-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	56.9	49.0	0.0310 mg/L	0.0310 mg/L	16:43:40
1	Fe 234.349†	147691.3	138054.4	118.3 mg/L	118.3 mg/L	16:43:30
1	K 766.490†	29859.5	27741.3	15.12 mg/L	15.12 mg/L	16:43:30
1	Li 670.784†	3799.6	3727.0	0.1157 mg/L	0.1157 mg/L	16:43:40
1	Na 589.592†	5439.4	4933.7	0.9083 mg/L	0.9083 mg/L	16:43:40
1	Sr 407.771†	147792.1	138011.9	0.1452 mg/L	0.1452 mg/L	16:43:30
1	Y 371.029	2650024.4	2650024.4	1.07 mg/L		16:44:00

1	Ag	328.068†	213.8	-1184.4	-0.0025	mg/L	-0.0025	mg/L	16:44:03
1	Al	237.313†	707084.7	661047.0	85.34	mg/L	85.34	mg/L	16:44:00
1	As	188.979†	30.7	25.7	0.0831	mg/L	0.0831	mg/L	16:44:13
1	B	182.528†	22.0	17.9	0.0403	mg/L	0.0403	mg/L	16:44:13
1	Ba	233.527†	33714.2	31567.4	0.4348	mg/L	0.4348	mg/L	16:44:03
1	Be	313.107†	8368.4	8337.9	0.0048	mg/L	0.0048	mg/L	16:44:03
1	Ca	315.887†	3837527.0	3586825.5	33.77	mg/L	33.77	mg/L	16:43:58
1	Cd	228.802†	154.2	81.3	0.0027	mg/L	0.0027	mg/L	16:44:13
1	Co	228.616†	1837.4	1782.3	0.0331	mg/L	0.0331	mg/L	16:44:13
1	Cr	267.716†	9439.9	8415.2	0.0895	mg/L	0.0895	mg/L	16:44:03
1	Cu	324.752†	36987.3	33339.2	0.1880	mg/L	0.1880	mg/L	16:44:03
1	Fe	238.204†	13634319.5	12743986.6	107.7	mg/L	107.7	mg/L	16:43:58
1	Mg	279.077†	239666.8	223884.2	19.72	mg/L	19.72	mg/L	16:44:03
1	Mn	257.610†	1646843.0	1538153.4	2.717	mg/L	2.717	mg/L	16:44:00
1	Mo	202.031†	270.8	226.0	-0.0251	mg/L	-0.0251	mg/L	16:44:13
1	Ni	231.604†	2041.7	1927.2	0.0645	mg/L	0.0645	mg/L	16:44:13
1	P	214.914†	16721.2	15286.8	9.398	mg/L	9.398	mg/L	16:44:03
1	Pb	220.353†	7797.1	7229.9	0.5957	mg/L	0.5957	mg/L	16:44:13
1	Sb	206.836†	62.4	21.5	-0.0354	mg/L	-0.0354	mg/L	16:44:13
1	Se	196.026†	-40.3	-37.8	0.0123	mg/L	0.0123	mg/L	16:44:13
1	Sn	189.927†	-157.3	-149.9	0.3094	mg/L	0.3094	mg/L	16:44:13
1	Ti	337.279†	3421918.1	3198962.3	4.525	mg/L	4.525	mg/L	16:44:00
1	Tl	190.801†	10.7	8.0	-0.0729	mg/L	-0.0729	mg/L	16:44:13
1	V	292.402†	33355.5	31860.8	0.1720	mg/L	0.1720	mg/L	16:44:03
1	Zn	213.857†	69288.1	63963.1	0.6859	mg/L	0.6859	mg/L	16:44:03
2	B	249.677†	46.0	39.0	0.0252	mg/L	0.0252	mg/L	16:43:53
2	Fe	234.349†	147319.4	138186.9	118.4	mg/L	118.4	mg/L	16:43:43
2	K	766.490†	29780.7	27764.7	15.13	mg/L	15.13	mg/L	16:43:43
2	Li	670.784†	3875.1	3810.2	0.1183	mg/L	0.1183	mg/L	16:43:53
2	Na	589.592†	5423.8	4936.8	0.9088	mg/L	0.9088	mg/L	16:43:53
2	Sr	407.771†	147957.1	138648.4	0.1459	mg/L	0.1459	mg/L	16:43:43
2	Y	371.029	2640816.2	2640816.2	1.07	mg/L	1.07	mg/L	16:44:19
2	Ag	328.068†	200.1	-1196.6	-0.0025	mg/L	-0.0025	mg/L	16:44:21
2	Al	237.313†	705702.5	662055.2	85.47	mg/L	85.47	mg/L	16:44:19
2	As	188.979†	38.8	33.4	0.0927	mg/L	0.0927	mg/L	16:44:31
2	B	182.528†	18.9	15.1	0.0348	mg/L	0.0348	mg/L	16:44:31
2	Ba	233.527†	34407.5	32327.6	0.4453	mg/L	0.4453	mg/L	16:44:21
2	Be	313.107†	8530.0	8516.7	0.0049	mg/L	0.0049	mg/L	16:44:21
2	Ca	315.887†	3857508.8	3618075.2	34.07	mg/L	34.07	mg/L	16:44:16
2	Cd	228.802†	153.8	81.4	0.0026	mg/L	0.0026	mg/L	16:44:31
2	Co	228.616†	1844.1	1794.6	0.0334	mg/L	0.0334	mg/L	16:44:31
2	Cr	267.716†	9594.4	8590.9	0.0914	mg/L	0.0914	mg/L	16:44:21
2	Cu	324.752†	37626.0	34058.8	0.1920	mg/L	0.1920	mg/L	16:44:21
2	Fe	238.204†	13706769.1	12856379.7	108.6	mg/L	108.6	mg/L	16:44:16
2	Mg	279.077†	244082.3	228807.0	20.15	mg/L	20.15	mg/L	16:44:21
2	Mn	257.610†	1642666.0	1539603.0	2.719	mg/L	2.719	mg/L	16:44:19
2	Mo	202.031†	291.0	245.8	-0.0241	mg/L	-0.0241	mg/L	16:44:31
2	Ni	231.604†	2045.2	1937.1	0.0649	mg/L	0.0649	mg/L	16:44:31
2	P	214.914†	17045.6	15645.6	9.611	mg/L	9.611	mg/L	16:44:21
2	Pb	220.353†	7771.4	7231.2	0.5957	mg/L	0.5957	mg/L	16:44:31
2	Sb	206.836†	68.6	27.5	-0.0304	mg/L	-0.0304	mg/L	16:44:31
2	Se	196.026†	-44.1	-41.4	0.0088	mg/L	0.0088	mg/L	16:44:31
2	Sn	189.927†	-166.2	-158.7	0.3077	mg/L	0.3077	mg/L	16:44:31
2	Ti	337.279†	3417673.4	3206133.9	4.535	mg/L	4.535	mg/L	16:44:19
2	Tl	190.801†	18.8	15.7	-0.0677	mg/L	-0.0677	mg/L	16:44:31
2	V	292.402†	34079.0	32648.1	0.1769	mg/L	0.1769	mg/L	16:44:21
2	Zn	213.857†	70629.4	65447.1	0.7018	mg/L	0.7018	mg/L	16:44:21

Mean Data: 1210140-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2645420.3	1.07	mg/L	0.003				0.25%
Ag 328.068†	-1190.5	-0.0025	mg/L	0.00007	-0.0025	mg/L	0.00007	2.66%
Al 237.313†	661551.1	85.40	mg/L	0.092	85.40	mg/L	0.092	0.11%
As 188.979†	29.5	0.0879	mg/L	0.00682	0.0879	mg/L	0.00682	7.76%
B 182.528†	16.5	0.0375	mg/L	0.00392	0.0375	mg/L	0.00392	10.45%
B 249.677†	44.0	0.0281	mg/L	0.00411	0.0281	mg/L	0.00411	14.61%
Ba 233.527†	31947.5	0.4401	mg/L	0.00744	0.4401	mg/L	0.00744	1.69%
Be 313.107†	8427.3	0.0049	mg/L	0.00008	0.0049	mg/L	0.00008	1.55%
Ca 315.887†	3602450.4	33.92	mg/L	0.208	33.92	mg/L	0.208	0.61%
Cd 228.802†	81.3	0.0027	mg/L	0.00003	0.0027	mg/L	0.00003	1.03%
Co 228.616†	1788.5	0.0333	mg/L	0.00020	0.0333	mg/L	0.00020	0.61%

Cr 267.716†	8503.0	0.0904 mg/L	0.00137	0.0904 mg/L	0.00137	1.51%
Cu 324.752†	33699.0	0.1900 mg/L	0.00287	0.1900 mg/L	0.00287	1.51%
Fe 234.349†	138120.6	118.4 mg/L	0.08	118.4 mg/L	0.08	0.07%
Fe 238.204†	12800183.2	108.2 mg/L	0.67	108.2 mg/L	0.67	0.62%
K 766.490†	27753.0	15.12 mg/L	0.009	15.12 mg/L	0.009	0.06%
Li 670.784†	3768.6	0.1170 mg/L	0.00182	0.1170 mg/L	0.00182	1.55%
Mg 279.077†	226345.6	19.93 mg/L	0.307	19.93 mg/L	0.307	1.54%
Mn 257.610†	1538878.2	2.718 mg/L	0.0018	2.718 mg/L	0.0018	0.07%
Mo 202.031†	235.9	-0.0246 mg/L	0.00072	-0.0246 mg/L	0.00072	2.93%
Na 589.592†	4935.2	0.9086 mg/L	0.00036	0.9086 mg/L	0.00036	0.04%
Ni 231.604†	1932.1	0.0647 mg/L	0.00025	0.0647 mg/L	0.00025	0.39%
P 214.914†	15466.2	9.505 mg/L	0.1511	9.505 mg/L	0.1511	1.59%
Pb 220.353†	7230.6	0.5957 mg/L	0.00004	0.5957 mg/L	0.00004	0.01%
Sb 206.836†	24.5	-0.0329 mg/L	0.00354	-0.0329 mg/L	0.00354	10.77%
Se 196.026†	-39.6	0.0105 mg/L	0.00246	0.0105 mg/L	0.00246	23.36%
Sn 189.927†	-154.3	0.3085 mg/L	0.00118	0.3085 mg/L	0.00118	0.38%
Sr 407.771†	138330.1	0.1456 mg/L	0.00047	0.1456 mg/L	0.00047	0.32%
Ti 337.279†	3202548.1	4.530 mg/L	0.0072	4.530 mg/L	0.0072	0.16%
Tl 190.801†	11.8	-0.0703 mg/L	0.00370	-0.0703 mg/L	0.00370	5.27%
V 292.402†	32254.5	0.1744 mg/L	0.00348	0.1744 mg/L	0.00348	2.00%
Zn 213.857†	64705.1	0.6939 mg/L	0.01127	0.6939 mg/L	0.01127	1.62%

Sequence No.: 17
Sample ID: 1210140-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 10/6/2012 4:46:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210140-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	47.0	41.3	0.0266	mg/L	0.0266 mg/L	16:48:04
1	Fe 234.349†	133105.3	128732.7	110.3	mg/L	110.3 mg/L	16:47:54
1	K 766.490†	30551.2	29377.5	16.00	mg/L	16.00 mg/L	16:47:54
1	Li 670.784†	3290.5	3357.7	0.1043	mg/L	0.1043 mg/L	16:48:04
1	Na 589.592†	5259.4	4935.8	0.9086	mg/L	0.9086 mg/L	16:48:04
1	Sr 407.771†	133147.5	128636.9	0.1354	mg/L	0.1354 mg/L	16:47:54
1	Y 371.029	2561253.8	2561253.8	1.03	mg/L		16:48:24
1	Ag 328.068†	411.7	-986.1	-0.0014	mg/L	-0.0014 mg/L	16:48:27
1	Al 237.313†	561932.9	543576.6	70.17	mg/L	70.17 mg/L	16:48:24
1	As 188.979†	32.3	28.2	0.0829	mg/L	0.0829 mg/L	16:48:37
1	B 182.528†	14.7	11.6	0.0280	mg/L	0.0280 mg/L	16:48:37
1	Ba 233.527†	32335.4	31326.2	0.4315	mg/L	0.4315 mg/L	16:48:27
1	Be 313.107†	6381.4	6687.4	0.0038	mg/L	0.0038 mg/L	16:48:27
1	Ca 315.887†	3503758.8	3388357.2	31.90	mg/L	31.90 mg/L	16:48:22
1	Cd 228.802†	142.6	75.1	0.0025	mg/L	0.0025 mg/L	16:48:37
1	Co 228.616†	1821.4	1826.4	0.0356	mg/L	0.0356 mg/L	16:48:37
1	Cr 267.716†	9270.1	8556.8	0.0910	mg/L	0.0910 mg/L	16:48:27
1	Cu 324.752†	36304.1	33876.7	0.1905	mg/L	0.1905 mg/L	16:48:27
1	Fe 238.204†	11931811.0	11539179.0	97.52	mg/L	97.52 mg/L	16:48:22
1	Mg 279.077†	211462.2	204371.6	18.00	mg/L	18.00 mg/L	16:48:27
1	Mn 257.610†	1485884.1	1435840.4	2.536	mg/L	2.536 mg/L	16:48:24
1	Mo 202.031†	264.6	228.7	-0.0225	mg/L	-0.0225 mg/L	16:48:37
1	Ni 231.604†	1999.5	1952.5	0.0654	mg/L	0.0654 mg/L	16:48:37
1	P 214.914†	15197.5	14354.9	8.824	mg/L	8.824 mg/L	16:48:37
1	Pb 220.353†	7309.4	7010.8	0.5811	mg/L	0.5811 mg/L	16:48:37
1	Sb 206.836†	72.2	33.0	-0.0222	mg/L	-0.0222 mg/L	16:48:37
1	Se 196.026†	-30.4	-29.5	0.0169	mg/L	0.0169 mg/L	16:48:37
1	Sn 189.927†	-175.6	-172.7	0.2809	mg/L	0.2809 mg/L	16:48:37
1	Ti 337.279†	2808759.5	2716829.6	3.842	mg/L	3.842 mg/L	16:48:24
1	Tl 190.801†	17.0	14.4	-0.0629	mg/L	-0.0629 mg/L	16:48:37
1	V 292.402†	30447.8	30129.3	0.1632	mg/L	0.1632 mg/L	16:48:27
1	Zn 213.857†	55502.8	52876.0	0.5667	mg/L	0.5667 mg/L	16:48:27
2	B 249.677†	53.7	47.2	0.0300	mg/L	0.0300 mg/L	16:48:17
2	Fe 234.349†	132786.1	126988.9	108.8	mg/L	108.8 mg/L	16:48:07
2	K 766.490†	30564.8	29060.3	15.83	mg/L	15.83 mg/L	16:48:07
2	Li 670.784†	3330.4	3360.3	0.1044	mg/L	0.1044 mg/L	16:48:17
2	Na 589.592†	5245.6	4865.8	0.8972	mg/L	0.8972 mg/L	16:48:17
2	Sr 407.771†	132945.2	127004.3	0.1337	mg/L	0.1337 mg/L	16:48:07
2	Y 371.029	2590201.8	2590201.8	1.05	mg/L		16:48:43
2	Ag 328.068†	415.3	-987.1	-0.0015	mg/L	-0.0015 mg/L	16:48:45

2	Al	237.313†	569119.1	544375.2	70.27 mg/L	70.27 mg/L	16:48:43
2	As	188.979†	32.7	28.3	0.0823 mg/L	0.0823 mg/L	16:48:55
2	B	182.528†	16.2	12.9	0.0305 mg/L	0.0305 mg/L	16:48:55
2	Ba	233.527†	32268.1	30912.3	0.4258 mg/L	0.4258 mg/L	16:48:45
2	Be	313.107†	6410.8	6646.5	0.0038 mg/L	0.0038 mg/L	16:48:45
2	Ca	315.887†	3490770.3	3338066.4	31.43 mg/L	31.43 mg/L	16:48:40
2	Cd	228.802†	140.3	71.3	0.0023 mg/L	0.0023 mg/L	16:48:55
2	Co	228.616†	1823.9	1809.1	0.0352 mg/L	0.0352 mg/L	16:48:55
2	Cr	267.716†	9233.9	8422.0	0.0896 mg/L	0.0896 mg/L	16:48:45
2	Cu	324.752†	36111.1	33299.8	0.1872 mg/L	0.1872 mg/L	16:48:45
2	Fe	238.204†	11888659.3	11368949.7	96.08 mg/L	96.08 mg/L	16:48:40
2	Mg	279.077†	210480.8	201147.5	17.71 mg/L	17.71 mg/L	16:48:45
2	Mn	257.610†	1505252.4	1438302.4	2.540 mg/L	2.540 mg/L	16:48:43
2	Mo	202.031†	308.8	268.2	-0.0199 mg/L	-0.0199 mg/L	16:48:55
2	Ni	231.604†	1985.9	1917.9	0.0642 mg/L	0.0642 mg/L	16:48:55
2	P	214.914†	15156.0	14151.0	8.700 mg/L	8.700 mg/L	16:48:55
2	Pb	220.353†	7257.4	6882.2	0.5699 mg/L	0.5699 mg/L	16:48:55
2	Sb	206.836†	59.1	19.7	-0.0327 mg/L	-0.0327 mg/L	16:48:55
2	Se	196.026†	-33.9	-32.5	0.0133 mg/L	0.0133 mg/L	16:48:55
2	Sn	189.927†	-190.8	-185.3	0.2736 mg/L	0.2736 mg/L	16:48:55
2	Ti	337.279†	2838183.5	2714609.6	3.839 mg/L	3.839 mg/L	16:48:43
2	Tl	190.801†	12.3	9.8	-0.0653 mg/L	-0.0653 mg/L	16:48:55
2	V	292.402†	30376.8	29732.4	0.1610 mg/L	0.1610 mg/L	16:48:45
2	Zn	213.857†	55151.9	51940.5	0.5566 mg/L	0.5566 mg/L	16:48:45

Mean Data: 1210140-02

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2575727.8	1.04	mg/L	0.008				0.79%
Ag 328.068†	-986.6	-0.0014	mg/L	0.00009	-0.0014	mg/L	0.00009	6.09%
Al 237.313†	543975.9	70.22	mg/L	0.073	70.22	mg/L	0.073	0.10%
As 188.979†	28.3	0.0826	mg/L	0.00040	0.0826	mg/L	0.00040	0.49%
B 182.528†	12.2	0.0292	mg/L	0.00180	0.0292	mg/L	0.00180	6.15%
B 249.677†	44.3	0.0283	mg/L	0.00243	0.0283	mg/L	0.00243	8.59%
Ba 233.527†	31119.3	0.4286	mg/L	0.00405	0.4286	mg/L	0.00405	0.94%
Be 313.107†	6666.9	0.0038	mg/L	0.00002	0.0038	mg/L	0.00002	0.45%
Ca 315.887†	3363211.8	31.67	mg/L	0.335	31.67	mg/L	0.335	1.06%
Cd 228.802†	73.2	0.0024	mg/L	0.00009	0.0024	mg/L	0.00009	3.97%
Co 228.616†	1817.7	0.0354	mg/L	0.00030	0.0354	mg/L	0.00030	0.86%
Cr 267.716†	8489.4	0.0903	mg/L	0.00105	0.0903	mg/L	0.00105	1.16%
Cu 324.752†	33588.3	0.1888	mg/L	0.00230	0.1888	mg/L	0.00230	1.22%
Fe 234.349†	127860.8	109.6	mg/L	1.06	109.6	mg/L	1.06	0.96%
Fe 238.204†	11454064.3	96.80	mg/L	1.017	96.80	mg/L	1.017	1.05%
K 766.490†	29218.9	15.91	mg/L	0.121	15.91	mg/L	0.121	0.76%
Li 670.784†	3359.0	0.1043	mg/L	0.00006	0.1043	mg/L	0.00006	0.05%
Mg 279.077†	202759.6	17.85	mg/L	0.201	17.85	mg/L	0.201	1.13%
Mn 257.610†	1437071.4	2.538	mg/L	0.0031	2.538	mg/L	0.0031	0.12%
Mo 202.031†	248.5	-0.0212	mg/L	0.00182	-0.0212	mg/L	0.00182	8.57%
Na 589.592†	4900.8	0.9029	mg/L	0.00809	0.9029	mg/L	0.00809	0.90%
Ni 231.604†	1935.2	0.0648	mg/L	0.00086	0.0648	mg/L	0.00086	1.33%
P 214.914†	14252.9	8.762	mg/L	0.0882	8.762	mg/L	0.0882	1.01%
Pb 220.353†	6946.5	0.5755	mg/L	0.00786	0.5755	mg/L	0.00786	1.37%
Sb 206.836†	26.4	-0.0275	mg/L	0.00744	-0.0275	mg/L	0.00744	27.10%
Se 196.026†	-31.0	0.0151	mg/L	0.00254	0.0151	mg/L	0.00254	16.81%
Sn 189.927†	-179.0	0.2772	mg/L	0.00511	0.2772	mg/L	0.00511	1.84%
Sr 407.771†	127820.6	0.1345	mg/L	0.00121	0.1345	mg/L	0.00121	0.90%
Ti 337.279†	2715719.6	3.841	mg/L	0.0022	3.841	mg/L	0.0022	0.06%
Tl 190.801†	12.1	-0.0641	mg/L	0.00169	-0.0641	mg/L	0.00169	2.63%
V 292.402†	29930.8	0.1621	mg/L	0.00155	0.1621	mg/L	0.00155	0.96%
Zn 213.857†	52408.3	0.5617	mg/L	0.00710	0.5617	mg/L	0.00710	1.26%

Sequence No.: 18

Sample ID: 1210140-03

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 22

Date Collected: 10/6/2012 4:50:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210140-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
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1	B 249.677†	29.1	24.1	0.0165 mg/L	0.0165 mg/L	16:52:20
1	Fe 234.349†	403746.3	392253.2	336.2 mg/L	336.2 mg/L	16:52:17
1	K 766.490†	33589.0	32463.6	17.66 mg/L	17.66 mg/L	16:52:20
1	Li 670.784†	4681.2	4723.4	0.1465 mg/L	0.1465 mg/L	16:52:20
1	Na 589.592†	5987.1	5666.0	1.028 mg/L	1.028 mg/L	16:52:20
1	Sr 407.771†	143063.4	138857.9	0.1461 mg/L	0.1461 mg/L	16:52:17
1	Y 371.029	2549620.4	2549620.4	1.03 mg/L	1.03 mg/L	16:52:33
1	Ag 328.068†	-1119.9	-2472.2	0.0034 mg/L	0.0034 mg/L	16:52:35
1	Al 237.313†	737891.7	717003.7	92.56 mg/L	92.56 mg/L	16:52:33
1	As 188.979†	63.6	58.7	0.2156 mg/L	0.2156 mg/L	16:52:46
1	B 182.528†	27.3	23.8	0.0519 mg/L	0.0519 mg/L	16:52:46
1	Ba 233.527†	37794.3	36772.3	0.5068 mg/L	0.5068 mg/L	16:52:35
1	Be 313.107†	7644.0	7942.1	0.0046 mg/L	0.0046 mg/L	16:52:35
1	Ca 315.887†	3712385.0	3606502.7	33.96 mg/L	33.96 mg/L	16:52:33
1	Cd 228.802†	182.2	114.2	0.0037 mg/L	0.0037 mg/L	16:52:46
1	Co 228.616†	2772.5	2758.4	0.0575 mg/L	0.0575 mg/L	16:52:46
1	Cr 267.716†	13092.6	12311.3	0.1324 mg/L	0.1324 mg/L	16:52:35
1	Cu 324.752†	50031.9	47373.8	0.2671 mg/L	0.2671 mg/L	16:52:35
1	Fe 238.204†	29499013.7	28658711.0	242.2 mg/L	242.2 mg/L	16:52:30
1	Mg 279.077†	284770.5	276525.2	24.36 mg/L	24.36 mg/L	16:52:33
1	Mn 257.610†	1959347.4	1902376.1	3.361 mg/L	3.361 mg/L	16:52:33
1	Mo 202.031†	257.3	222.9	-0.0931 mg/L	-0.0931 mg/L	16:52:35
1	Ni 231.604†	3074.7	3005.9	0.1028 mg/L	0.1028 mg/L	16:52:46
1	P 214.914†	18532.8	17662.3	11.32 mg/L	11.32 mg/L	16:52:35
1	Pb 220.353†	8688.5	8383.0	0.6931 mg/L	0.6931 mg/L	16:52:46
1	Sb 206.836†	96.8	57.3	-0.1019 mg/L	-0.1019 mg/L	16:52:46
1	Se 196.026†	-86.0	-83.6	0.0606 mg/L	0.0606 mg/L	16:52:46
1	Sn 189.927†	-142.0	-140.8	0.9484 mg/L	0.9484 mg/L	16:52:46
1	Ti 337.279†	3365284.0	3269898.2	4.625 mg/L	4.625 mg/L	16:52:33
1	Tl 190.801†	-6.4	-8.2	-0.2083 mg/L	-0.2083 mg/L	16:52:46
1	V 292.402†	48395.4	47700.2	0.2302 mg/L	0.2302 mg/L	16:52:35
1	Zn 213.857†	68078.3	65338.3	0.7003 mg/L	0.7003 mg/L	16:52:35
2	B 249.677†	37.2	31.9	0.0210 mg/L	0.0210 mg/L	16:52:24
2	Fe 234.349†	409006.4	396772.5	340.1 mg/L	340.1 mg/L	16:52:22
2	K 766.490†	33263.5	32099.4	17.46 mg/L	17.46 mg/L	16:52:24
2	Li 670.784†	4609.3	4646.8	0.1441 mg/L	0.1441 mg/L	16:52:24
2	Na 589.592†	5945.9	5617.4	1.020 mg/L	1.020 mg/L	16:52:24
2	Sr 407.771†	144900.3	140433.2	0.1478 mg/L	0.1478 mg/L	16:52:22
2	Y 371.029	2553417.8	2553417.8	1.03 mg/L	1.03 mg/L	16:52:53
2	Ag 328.068†	-1134.1	-2484.4	0.0036 mg/L	0.0036 mg/L	16:52:55
2	Al 237.313†	752208.1	729825.6	94.21 mg/L	94.21 mg/L	16:52:53
2	As 188.979†	71.3	66.2	0.2265 mg/L	0.2265 mg/L	16:53:05
2	B 182.528†	21.4	18.1	0.0408 mg/L	0.0408 mg/L	16:53:05
2	Ba 233.527†	38331.0	37238.3	0.5132 mg/L	0.5132 mg/L	16:52:55
2	Be 313.107†	7679.6	7965.6	0.0046 mg/L	0.0046 mg/L	16:52:55
2	Ca 315.887†	3784495.0	3671091.1	34.57 mg/L	34.57 mg/L	16:52:53
2	Cd 228.802†	184.6	116.2	0.0037 mg/L	0.0037 mg/L	16:53:05
2	Co 228.616†	2757.2	2739.6	0.0568 mg/L	0.0568 mg/L	16:53:05
2	Cr 267.716†	13171.8	12369.3	0.1330 mg/L	0.1330 mg/L	16:52:55
2	Cu 324.752†	50464.3	47720.9	0.2691 mg/L	0.2691 mg/L	16:52:55
2	Fe 238.204†	30055764.2	29156179.9	246.4 mg/L	246.4 mg/L	16:52:49
2	Mg 279.077†	290842.7	282004.2	24.84 mg/L	24.84 mg/L	16:52:53
2	Mn 257.610†	1997325.7	1936386.9	3.421 mg/L	3.421 mg/L	16:52:53
2	Mo 202.031†	350.7	313.1	-0.0895 mg/L	-0.0895 mg/L	16:52:55
2	Ni 231.604†	3047.9	2975.5	0.1017 mg/L	0.1017 mg/L	16:53:05
2	P 214.914†	18688.8	17786.8	11.41 mg/L	11.41 mg/L	16:52:55
2	Pb 220.353†	8596.5	8281.1	0.6839 mg/L	0.6839 mg/L	16:53:05
2	Sb 206.836†	96.9	57.2	-0.1037 mg/L	-0.1037 mg/L	16:53:05
2	Se 196.026†	-88.5	-85.9	0.0600 mg/L	0.0600 mg/L	16:53:05
2	Sn 189.927†	-141.3	-139.9	0.9599 mg/L	0.9599 mg/L	16:53:05
2	Ti 337.279†	3428545.3	3326404.3	4.705 mg/L	4.705 mg/L	16:52:53
2	Tl 190.801†	-7.5	-9.3	-0.2113 mg/L	-0.2113 mg/L	16:53:05
2	V 292.402†	48877.9	48098.3	0.2319 mg/L	0.2319 mg/L	16:52:55
2	Zn 213.857†	68803.4	65943.3	0.7068 mg/L	0.7068 mg/L	16:52:55

Mean Data: 1210140-03

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2551519.1	1.03 mg/L	0.001			0.11%
Ag 328.068†	-2478.3	0.0035 mg/L	0.00014	0.0035 mg/L	0.00014	3.95%
Al 237.313†	723414.6	93.39 mg/L	1.170	93.39 mg/L	1.170	1.25%
As 188.979†	62.5	0.2211 mg/L	0.00768	0.2211 mg/L	0.00768	3.47%

B 182.528†	21.0	0.0463 mg/L	0.00786	0.0463 mg/L	0.00786	16.97%
B 249.677†	28.0	0.0187 mg/L	0.00322	0.0187 mg/L	0.00322	17.20%
Ba 233.527†	37005.3	0.5100 mg/L	0.00456	0.5100 mg/L	0.00456	0.89%
Be 313.107†	7953.9	0.0046 mg/L	0.00001	0.0046 mg/L	0.00001	0.22%
Ca 315.887†	3638796.9	34.26 mg/L	0.430	34.26 mg/L	0.430	1.26%
Cd 228.802†	115.2	0.0037 mg/L	0.00002	0.0037 mg/L	0.00002	0.57%
Co 228.616†	2749.0	0.0571 mg/L	0.00044	0.0571 mg/L	0.00044	0.78%
Cr 267.716†	12340.3	0.1327 mg/L	0.00046	0.1327 mg/L	0.00046	0.34%
Cu 324.752†	47547.3	0.2681 mg/L	0.00143	0.2681 mg/L	0.00143	0.53%
Fe 234.349†	394512.9	338.2 mg/L	2.74	338.2 mg/L	2.74	0.81%
Fe 238.204†	28907445.4	244.3 mg/L	2.97	244.3 mg/L	2.97	1.22%
K 766.490†	32281.5	17.56 mg/L	0.139	17.56 mg/L	0.139	0.79%
Li 670.784†	4685.1	0.1453 mg/L	0.00167	0.1453 mg/L	0.00167	1.15%
Mg 279.077†	279264.7	24.60 mg/L	0.342	24.60 mg/L	0.342	1.39%
Mn 257.610†	1919381.5	3.391 mg/L	0.0425	3.391 mg/L	0.0425	1.25%
Mo 202.031†	268.0	-0.0913 mg/L	0.00255	-0.0913 mg/L	0.00255	2.79%
Na 589.592†	5641.7	1.024 mg/L	0.0056	1.024 mg/L	0.0056	0.55%
Ni 231.604†	2990.7	0.1022 mg/L	0.00076	0.1022 mg/L	0.00076	0.74%
P 214.914†	17724.6	11.36 mg/L	0.059	11.36 mg/L	0.059	0.52%
Pb 220.353†	8332.0	0.6885 mg/L	0.00654	0.6885 mg/L	0.00654	0.95%
Sb 206.836†	57.3	-0.1028 mg/L	0.00123	-0.1028 mg/L	0.00123	1.20%
Se 196.026†	-84.8	0.0603 mg/L	0.00042	0.0603 mg/L	0.00042	0.69%
Sn 189.927†	-140.3	0.9541 mg/L	0.00814	0.9541 mg/L	0.00814	0.85%
Sr 407.771†	139645.5	0.1470 mg/L	0.00117	0.1470 mg/L	0.00117	0.80%
Ti 337.279†	3298151.2	4.665 mg/L	0.0565	4.665 mg/L	0.0565	1.21%
Tl 190.801†	-8.7	-0.2098 mg/L	0.00217	-0.2098 mg/L	0.00217	1.03%
V 292.402†	47899.3	0.2311 mg/L	0.00123	0.2311 mg/L	0.00123	0.53%
Zn 213.857†	65640.8	0.7036 mg/L	0.00460	0.7036 mg/L	0.00460	0.65%

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Sequence No.: 19                               Autosampler Location: 23
Sample ID: 1210140-04                         Date Collected: 10/6/2012 4:54:46 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
=====

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Replicate Data: 1210140-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	56.6	50.4	0.0318	mg/L	0.0318	mg/L	16:56:30
1	Fe 234.349†	186443.6	179629.3	154.0	mg/L	154.0	mg/L	16:56:28
1	K 766.490†	30717.4	29425.1	16.02	mg/L	16.02	mg/L	16:56:30
1	Li 670.784†	4421.9	4435.7	0.1376	mg/L	0.1376	mg/L	16:56:30
1	Na 589.592†	5887.9	5522.0	1.005	mg/L	1.005	mg/L	16:56:30
1	Sr 407.771†	152962.4	147236.1	0.1549	mg/L	0.1549	mg/L	16:56:28
1	Y 371.029	2571054.1	2571054.1	1.04	mg/L			16:56:43
1	Ag 328.068†	230.3	-1162.3	0.0005	mg/L	0.0005	mg/L	16:56:46
1	Al 237.313†	743126.8	716071.0	92.44	mg/L	92.44	mg/L	16:56:43
1	As 188.979†	54.2	49.3	0.1273	mg/L	0.1273	mg/L	16:56:56
1	B 182.528†	20.8	17.4	0.0392	mg/L	0.0392	mg/L	16:56:56
1	Ba 233.527†	39264.7	37882.8	0.5222	mg/L	0.5222	mg/L	16:56:46
1	Be 313.107†	8816.1	9009.5	0.0052	mg/L	0.0052	mg/L	16:56:46
1	Ca 315.887†	3710568.8	3574686.0	33.66	mg/L	33.66	mg/L	16:56:43
1	Cd 228.802†	164.8	96.0	0.0031	mg/L	0.0031	mg/L	16:56:56
1	Co 228.616†	2252.4	2234.9	0.0461	mg/L	0.0461	mg/L	16:56:56
1	Cr 267.716†	12939.1	12057.4	0.1296	mg/L	0.1296	mg/L	16:56:46
1	Cu 324.752†	51291.7	48182.3	0.2709	mg/L	0.2709	mg/L	16:56:46
1	Fe 238.204†	15932672.1	15349704.9	129.7	mg/L	129.7	mg/L	16:56:40
1	Mg 279.077†	245416.6	236304.4	20.81	mg/L	20.81	mg/L	16:56:43
1	Mn 257.610†	1853837.4	1784856.6	3.153	mg/L	3.153	mg/L	16:56:43
1	Mo 202.031†	313.5	274.9	-0.0337	mg/L	-0.0337	mg/L	16:56:56
1	Ni 231.604†	2962.2	2872.7	0.0980	mg/L	0.0980	mg/L	16:56:56
1	P 214.914†	22354.0	21193.6	12.99	mg/L	12.99	mg/L	16:56:46
1	Pb 220.353†	12056.6	11557.4	0.9670	mg/L	0.9670	mg/L	16:56:56
1	Sb 206.836†	79.6	39.9	-0.0357	mg/L	-0.0357	mg/L	16:56:56
1	Se 196.026†	-49.3	-47.5	0.0180	mg/L	0.0180	mg/L	16:56:56
1	Sn 189.927†	-101.1	-100.3	0.4248	mg/L	0.4248	mg/L	16:56:56
1	Ti 337.279†	2726627.6	2627347.8	3.716	mg/L	3.716	mg/L	16:56:43
1	Tl 190.801†	14.4	11.9	-0.0896	mg/L	-0.0896	mg/L	16:56:56
1	V 292.402†	47618.9	46560.1	0.2582	mg/L	0.2582	mg/L	16:56:46
1	Zn 213.857†	74101.7	70589.9	0.7568	mg/L	0.7568	mg/L	16:56:46
2	B 249.677†	39.0	33.4	0.0219	mg/L	0.0219	mg/L	16:56:34

2	Fe 234.349†	185826.7	178922.0	153.4 mg/L	153.4 mg/L	16:56:32
2	K 766.490†	30282.9	28988.0	15.79 mg/L	15.79 mg/L	16:56:34
2	Li 670.784†	4381.4	4394.0	0.1363 mg/L	0.1363 mg/L	16:56:34
2	Na 589.592†	5884.6	5515.1	1.003 mg/L	1.003 mg/L	16:56:34
2	Sr 407.771†	152452.3	146651.9	0.1543 mg/L	0.1543 mg/L	16:56:32
2	Y 371.029	2572678.7	2572678.7	1.04 mg/L		16:57:03
2	Ag 328.068†	136.1	-1253.1	-0.0003 mg/L	-0.0003 mg/L	16:57:05
2	Al 237.313†	746067.1	718449.8	92.75 mg/L	92.75 mg/L	16:57:03
2	As 188.979†	61.3	56.0	0.1355 mg/L	0.1355 mg/L	16:57:15
2	B 182.528†	18.5	15.2	0.0350 mg/L	0.0350 mg/L	16:57:15
2	Ba 233.527†	38497.5	37120.2	0.5116 mg/L	0.5116 mg/L	16:57:05
2	Be 313.107†	8778.6	8968.0	0.0052 mg/L	0.0052 mg/L	16:57:05
2	Ca 315.887†	3711070.1	3572911.2	33.64 mg/L	33.64 mg/L	16:57:03
2	Cd 228.802†	161.5	92.6	0.0029 mg/L	0.0029 mg/L	16:57:15
2	Co 228.616†	2244.5	2225.9	0.0458 mg/L	0.0458 mg/L	16:57:15
2	Cr 267.716†	12692.7	11812.3	0.1269 mg/L	0.1269 mg/L	16:57:05
2	Cu 324.752†	50590.2	47475.6	0.2669 mg/L	0.2669 mg/L	16:57:05
2	Fe 238.204†	16079916.9	15481780.5	130.8 mg/L	130.8 mg/L	16:57:00
2	Mg 279.077†	245509.3	236244.4	20.81 mg/L	20.81 mg/L	16:57:03
2	Mn 257.610†	1858323.4	1788047.9	3.159 mg/L	3.159 mg/L	16:57:03
2	Mo 202.031†	289.5	251.6	-0.0347 mg/L	-0.0347 mg/L	16:57:15
2	Ni 231.604†	2980.9	2888.8	0.0986 mg/L	0.0986 mg/L	16:57:15
2	P 214.914†	21914.2	20756.5	12.73 mg/L	12.73 mg/L	16:57:05
2	Pb 220.353†	12039.2	11533.4	0.9649 mg/L	0.9649 mg/L	16:57:15
2	Sb 206.836†	77.2	37.5	-0.0374 mg/L	-0.0374 mg/L	16:57:15
2	Se 196.026†	-41.8	-40.3	0.0247 mg/L	0.0247 mg/L	16:57:15
2	Sn 189.927†	-107.4	-106.2	0.4216 mg/L	0.4216 mg/L	16:57:15
2	Ti 337.279†	2736758.6	2635443.2	3.727 mg/L	3.727 mg/L	16:57:03
2	Tl 190.801†	9.0	6.7	-0.0928 mg/L	-0.0928 mg/L	16:57:15
2	V 292.402†	46667.7	45615.3	0.2524 mg/L	0.2524 mg/L	16:57:05
2	Zn 213.857†	72667.9	69164.3	0.7415 mg/L	0.7415 mg/L	16:57:05

Mean Data: 1210140-04

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2571866.4	1.04	mg/L	0.000				0.04%
Ag 328.068†	-1207.7	0.0001	mg/L	0.00058	0.0001	mg/L	0.00058	681.05%
Al 237.313†	717260.4	92.59	mg/L	0.217	92.59	mg/L	0.217	0.23%
As 188.979†	52.6	0.1314	mg/L	0.00579	0.1314	mg/L	0.00579	4.40%
B 182.528†	16.3	0.0371	mg/L	0.00295	0.0371	mg/L	0.00295	7.95%
B 249.677†	41.9	0.0269	mg/L	0.00701	0.0269	mg/L	0.00701	26.10%
Ba 233.527†	37501.5	0.5169	mg/L	0.00746	0.5169	mg/L	0.00746	1.44%
Be 313.107†	8988.7	0.0052	mg/L	0.00002	0.0052	mg/L	0.00002	0.34%
Ca 315.887†	3573798.6	33.65	mg/L	0.012	33.65	mg/L	0.012	0.04%
Cd 228.802†	94.3	0.0030	mg/L	0.00011	0.0030	mg/L	0.00011	3.65%
Co 228.616†	2230.4	0.0460	mg/L	0.00018	0.0460	mg/L	0.00018	0.38%
Cr 267.716†	11934.9	0.1282	mg/L	0.00191	0.1282	mg/L	0.00191	1.49%
Cu 324.752†	47828.9	0.2689	mg/L	0.00281	0.2689	mg/L	0.00281	1.04%
Fe 234.349†	179275.7	153.7	mg/L	0.43	153.7	mg/L	0.43	0.28%
Fe 238.204†	15415742.7	130.3	mg/L	0.79	130.3	mg/L	0.79	0.61%
K 766.490†	29206.5	15.91	mg/L	0.166	15.91	mg/L	0.166	1.05%
Li 670.784†	4414.8	0.1370	mg/L	0.00091	0.1370	mg/L	0.00091	0.66%
Mg 279.077†	236274.4	20.81	mg/L	0.004	20.81	mg/L	0.004	0.02%
Mn 257.610†	1786452.3	3.156	mg/L	0.0040	3.156	mg/L	0.0040	0.13%
Mo 202.031†	263.3	-0.0342	mg/L	0.00074	-0.0342	mg/L	0.00074	2.18%
Na 589.592†	5518.6	1.004	mg/L	0.0008	1.004	mg/L	0.0008	0.08%
Ni 231.604†	2880.7	0.0983	mg/L	0.00040	0.0983	mg/L	0.00040	0.41%
P 214.914†	20975.0	12.86	mg/L	0.185	12.86	mg/L	0.185	1.44%
Pb 220.353†	11545.4	0.9660	mg/L	0.00151	0.9660	mg/L	0.00151	0.16%
Sb 206.836†	38.7	-0.0365	mg/L	0.00123	-0.0365	mg/L	0.00123	3.35%
Se 196.026†	-43.9	0.0214	mg/L	0.00477	0.0214	mg/L	0.00477	22.31%
Sn 189.927†	-103.2	0.4232	mg/L	0.00221	0.4232	mg/L	0.00221	0.52%
Sr 407.771†	146944.0	0.1546	mg/L	0.00043	0.1546	mg/L	0.00043	0.28%
Ti 337.279†	2631395.5	3.721	mg/L	0.0081	3.721	mg/L	0.0081	0.22%
Tl 190.801†	9.3	-0.0912	mg/L	0.00231	-0.0912	mg/L	0.00231	2.54%
V 292.402†	46087.7	0.2553	mg/L	0.00413	0.2553	mg/L	0.00413	1.62%
Zn 213.857†	69877.1	0.7491	mg/L	0.01083	0.7491	mg/L	0.01083	1.45%

Sequence No.: 20
Sample ID: 1210140-05
Analyst:

Autosampler Location: 24
Date Collected: 10/6/2012 4:58:56 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210140-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	57.9	51.6	0.0326	mg/L	0.0326	mg/L	17:00:44
1	Fe 234.349†	135073.8	130170.9	111.6	mg/L	111.6	mg/L	17:00:34
1	K 766.490†	27649.2	26475.7	14.44	mg/L	14.44	mg/L	17:00:34
1	Li 670.784†	2975.3	3042.6	0.0946	mg/L	0.0946	mg/L	17:00:44
1	Na 589.592†	4772.1	4448.1	0.8289	mg/L	0.8289	mg/L	17:00:44
1	Sr 407.771†	133775.9	128783.4	0.1356	mg/L	0.1356	mg/L	17:00:34
1	Y 371.029	2570417.1	2570417.1	1.04	mg/L			17:01:04
1	Ag 328.068†	528.1	-875.3	-0.0003	mg/L	-0.0003	mg/L	17:01:07
1	Al 237.313†	533137.1	513890.0	66.34	mg/L	66.34	mg/L	17:01:04
1	As 188.979†	42.5	37.9	0.0955	mg/L	0.0955	mg/L	17:01:17
1	B 182.528†	19.3	16.0	0.0366	mg/L	0.0366	mg/L	17:01:17
1	Ba 233.527†	29752.5	28725.7	0.3955	mg/L	0.3955	mg/L	17:01:07
1	Be 313.107†	6559.1	6836.5	0.0039	mg/L	0.0039	mg/L	17:01:07
1	Ca 315.887†	3507309.2	3379698.8	31.82	mg/L	31.82	mg/L	17:01:02
1	Cd 228.802†	154.3	85.9	0.0028	mg/L	0.0028	mg/L	17:01:17
1	Co 228.616†	1716.0	1718.5	0.0342	mg/L	0.0342	mg/L	17:01:17
1	Cr 267.716†	9952.1	9182.0	0.0979	mg/L	0.0979	mg/L	17:01:07
1	Cu 324.752†	40505.0	37799.8	0.2120	mg/L	0.2120	mg/L	17:01:07
1	Fe 238.204†	12225725.9	11781276.0	99.56	mg/L	99.56	mg/L	17:01:02
1	Mg 279.077†	198404.0	191058.9	16.82	mg/L	16.82	mg/L	17:01:07
1	Mn 257.610†	1508200.9	1452223.4	2.565	mg/L	2.565	mg/L	17:01:04
1	Mo 202.031†	284.1	246.7	-0.0220	mg/L	-0.0220	mg/L	17:01:17
1	Ni 231.604†	2182.1	2121.6	0.0714	mg/L	0.0714	mg/L	17:01:17
1	P 214.914†	15955.2	15032.7	9.230	mg/L	9.230	mg/L	17:01:17
1	Pb 220.353†	9138.3	8748.1	0.7317	mg/L	0.7317	mg/L	17:01:17
1	Sb 206.836†	69.1	29.8	-0.0254	mg/L	-0.0254	mg/L	17:01:17
1	Se 196.026†	-40.6	-39.2	0.0080	mg/L	0.0080	mg/L	17:01:17
1	Sn 189.927†	-150.4	-147.8	0.2901	mg/L	0.2901	mg/L	17:01:17
1	Ti 337.279†	2337110.5	2252637.1	3.186	mg/L	3.186	mg/L	17:01:04
1	Tl 190.801†	11.7	9.3	-0.0664	mg/L	-0.0664	mg/L	17:01:17
1	V 292.402†	33847.6	33300.7	0.1834	mg/L	0.1834	mg/L	17:01:07
1	Zn 213.857†	86347.6	82408.5	0.8841	mg/L	0.8841	mg/L	17:01:07
2	B 249.677†	70.1	63.5	0.0395	mg/L	0.0395	mg/L	17:00:57
2	Fe 234.349†	135441.9	130698.1	112.0	mg/L	112.0	mg/L	17:00:46
2	K 766.490†	27663.3	26524.5	14.46	mg/L	14.46	mg/L	17:00:46
2	Li 670.784†	2970.8	3042.1	0.0946	mg/L	0.0946	mg/L	17:00:57
2	Na 589.592†	4770.2	4452.3	0.8296	mg/L	0.8296	mg/L	17:00:57
2	Sr 407.771†	133717.5	128897.5	0.1357	mg/L	0.1357	mg/L	17:00:46
2	Y 371.029	2567023.7	2567023.7	1.04	mg/L			17:01:22
2	Ag 328.068†	490.7	-910.8	-0.0006	mg/L	-0.0006	mg/L	17:01:25
2	Al 237.313†	532927.3	514366.7	66.40	mg/L	66.40	mg/L	17:01:22
2	As 188.979†	39.9	35.5	0.0926	mg/L	0.0926	mg/L	17:01:35
2	B 182.528†	20.5	17.1	0.0387	mg/L	0.0387	mg/L	17:01:35
2	Ba 233.527†	29852.3	28859.9	0.3974	mg/L	0.3974	mg/L	17:01:25
2	Be 313.107†	6517.1	6804.4	0.0039	mg/L	0.0039	mg/L	17:01:25
2	Ca 315.887†	3495677.4	3372942.8	31.76	mg/L	31.76	mg/L	17:01:20
2	Cd 228.802†	146.0	78.0	0.0025	mg/L	0.0025	mg/L	17:01:35
2	Co 228.616†	1711.9	1716.7	0.0341	mg/L	0.0341	mg/L	17:01:35
2	Cr 267.716†	9999.7	9240.6	0.0986	mg/L	0.0986	mg/L	17:01:25
2	Cu 324.752†	40557.7	37902.3	0.2126	mg/L	0.2126	mg/L	17:01:25
2	Fe 238.204†	12191141.2	11763478.1	99.41	mg/L	99.41	mg/L	17:01:20
2	Mg 279.077†	198743.1	191638.9	16.87	mg/L	16.87	mg/L	17:01:25
2	Mn 257.610†	1509329.8	1455234.0	2.570	mg/L	2.570	mg/L	17:01:22
2	Mo 202.031†	290.7	253.4	-0.0217	mg/L	-0.0217	mg/L	17:01:35
2	Ni 231.604†	2168.9	2111.6	0.0711	mg/L	0.0711	mg/L	17:01:35
2	P 214.914†	15867.6	14968.5	9.193	mg/L	9.193	mg/L	17:01:35
2	Pb 220.353†	9039.0	8663.9	0.7244	mg/L	0.7244	mg/L	17:01:35
2	Sb 206.836†	62.8	23.8	-0.0307	mg/L	-0.0307	mg/L	17:01:35
2	Se 196.026†	-29.9	-29.0	0.0181	mg/L	0.0181	mg/L	17:01:35
2	Sn 189.927†	-136.5	-134.6	0.2944	mg/L	0.2944	mg/L	17:01:35
2	Ti 337.279†	2335469.0	2254030.3	3.187	mg/L	3.187	mg/L	17:01:22
2	Tl 190.801†	11.7	9.3	-0.0666	mg/L	-0.0666	mg/L	17:01:35
2	V 292.402†	33901.8	33396.1	0.1839	mg/L	0.1839	mg/L	17:01:25
2	Zn 213.857†	86322.4	82494.2	0.8850	mg/L	0.8850	mg/L	17:01:25

Mean Data: 1210140-05

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2568720.4	1.04	mg/L	0.001				0.09%
Ag 328.068†	-893.0	-0.0005	mg/L	0.00019	-0.0005	mg/L	0.00019	39.77%
Al 237.313†	514128.3	66.37	mg/L	0.044	66.37	mg/L	0.044	0.07%
As 188.979†	36.7	0.0940	mg/L	0.00206	0.0940	mg/L	0.00206	2.19%
B 182.528†	16.5	0.0376	mg/L	0.00151	0.0376	mg/L	0.00151	4.01%
B 249.677†	57.6	0.0360	mg/L	0.00488	0.0360	mg/L	0.00488	13.55%
Ba 233.527†	28792.8	0.3964	mg/L	0.00131	0.3964	mg/L	0.00131	0.33%
Be 313.107†	6820.5	0.0039	mg/L	0.00001	0.0039	mg/L	0.00001	0.35%
Ca 315.887†	3376320.8	31.79	mg/L	0.045	31.79	mg/L	0.045	0.14%
Cd 228.802†	82.0	0.0027	mg/L	0.00019	0.0027	mg/L	0.00019	7.08%
Co 228.616†	1717.6	0.0341	mg/L	0.00003	0.0341	mg/L	0.00003	0.10%
Cr 267.716†	9211.3	0.0983	mg/L	0.00046	0.0983	mg/L	0.00046	0.46%
Cu 324.752†	37851.0	0.2123	mg/L	0.00041	0.2123	mg/L	0.00041	0.19%
Fe 234.349†	130434.5	111.8	mg/L	0.32	111.8	mg/L	0.32	0.29%
Fe 238.204†	11772377.0	99.49	mg/L	0.106	99.49	mg/L	0.106	0.11%
K 766.490†	26500.1	14.45	mg/L	0.019	14.45	mg/L	0.019	0.13%
Li 670.784†	3042.3	0.0946	mg/L	0.00001	0.0946	mg/L	0.00001	0.01%
Mg 279.077†	191348.9	16.85	mg/L	0.036	16.85	mg/L	0.036	0.21%
Mn 257.610†	1453728.7	2.567	mg/L	0.0038	2.567	mg/L	0.0038	0.15%
Mo 202.031†	250.0	-0.0218	mg/L	0.00015	-0.0218	mg/L	0.00015	0.70%
Na 589.592†	4450.2	0.8292	mg/L	0.00049	0.8292	mg/L	0.00049	0.06%
Ni 231.604†	2116.6	0.0712	mg/L	0.00025	0.0712	mg/L	0.00025	0.35%
P 214.914†	15000.6	9.212	mg/L	0.0263	9.212	mg/L	0.0263	0.29%
Pb 220.353†	8706.0	0.7280	mg/L	0.00515	0.7280	mg/L	0.00515	0.71%
Sb 206.836†	26.8	-0.0281	mg/L	0.00371	-0.0281	mg/L	0.00371	13.21%
Se 196.026†	-34.1	0.0131	mg/L	0.00715	0.0131	mg/L	0.00715	54.65%
Sn 189.927†	-141.2	0.2922	mg/L	0.00305	0.2922	mg/L	0.00305	1.04%
Sr 407.771†	128840.4	0.1356	mg/L	0.00008	0.1356	mg/L	0.00008	0.06%
Ti 337.279†	2253333.7	3.186	mg/L	0.0014	3.186	mg/L	0.0014	0.04%
Tl 190.801†	9.3	-0.0665	mg/L	0.00018	-0.0665	mg/L	0.00018	0.27%
V 292.402†	33348.4	0.1837	mg/L	0.00037	0.1837	mg/L	0.00037	0.20%
Zn 213.857†	82451.3	0.8846	mg/L	0.00065	0.8846	mg/L	0.00065	0.07%

Sequence No.: 21
Sample ID: 1210140-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 10/6/2012 5:03:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210140-06

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time
		Intensity	Corrected Intensity		Conc. Units	Conc. Units	
1	B 249.677†	64.2	55.8	0.0350 mg/L	0.0350 mg/L	17:04:54	
1	Fe 234.349†	168890.1	157906.3	135.3 mg/L	135.3 mg/L	17:04:51	
1	K 766.490†	30531.0	28375.7	15.46 mg/L	15.46 mg/L	17:04:54	
1	Li 670.784†	3376.0	3331.8	0.1035 mg/L	0.1035 mg/L	17:04:54	
1	Na 589.592†	5218.9	4728.7	0.8748 mg/L	0.8748 mg/L	17:04:54	
1	Sr 407.771†	170679.9	159442.9	0.1677 mg/L	0.1677 mg/L	17:04:51	
1	Y 371.029	2649400.0	2649400.0	1.07 mg/L		17:05:07	
1	Ag 328.068†	359.9	-1047.7	0.0000 mg/L	0.0000 mg/L	17:05:09	
1	Al 237.313†	699848.1	654437.1	84.48 mg/L	84.48 mg/L	17:05:07	
1	As 188.979†	45.5	39.6	0.1074 mg/L	0.1074 mg/L	17:05:19	
1	B 182.528†	25.9	21.5	0.0474 mg/L	0.0474 mg/L	17:05:19	
1	Ba 233.527†	35525.5	33268.3	0.4583 mg/L	0.4583 mg/L	17:05:09	
1	Be 313.107†	8394.7	8364.3	0.0048 mg/L	0.0048 mg/L	17:05:09	
1	Ca 315.887†	4165085.4	3893915.3	36.67 mg/L	36.67 mg/L	17:05:07	
1	Cd 228.802†	174.4	100.2	0.0033 mg/L	0.0033 mg/L	17:05:19	
1	Co 228.616†	2032.9	1965.5	0.0376 mg/L	0.0376 mg/L	17:05:19	
1	Cr 267.716†	11719.2	10548.2	0.1130 mg/L	0.1130 mg/L	17:05:09	
1	Cu 324.752†	50863.9	46321.0	0.2611 mg/L	0.2611 mg/L	17:05:09	
1	Fe 238.204†	14871111.4	13903304.9	117.5 mg/L	117.5 mg/L	17:05:04	
1	Mg 279.077†	232363.0	217108.4	19.12 mg/L	19.12 mg/L	17:05:09	
1	Mn 257.610†	1741432.9	1626951.2	2.874 mg/L	2.874 mg/L	17:05:07	
1	Mo 202.031†	309.0	261.7	-0.0286 mg/L	-0.0286 mg/L	17:05:19	
1	Ni 231.604†	2341.5	2208.0	0.0745 mg/L	0.0745 mg/L	17:05:19	
1	P 214.914†	17192.5	15731.1	9.701 mg/L	9.701 mg/L	17:05:09	
1	Pb 220.353†	7810.7	7244.3	0.5970 mg/L	0.5970 mg/L	17:05:19	
1	Sb 206.836†	69.4	28.1	-0.0374 mg/L	-0.0374 mg/L	17:05:19	

1	Se 196.026†	-39.7	-37.2	0.0201 mg/L	0.0201 mg/L	17:05:19
1	Sn 189.927†	-165.3	-157.4	0.3574 mg/L	0.3574 mg/L	17:05:19
1	Ti 337.279†	3475154.7	3249488.6	4.596 mg/L	4.596 mg/L	17:05:07
1	Tl 190.801†	9.0	6.5	-0.0839 mg/L	-0.0839 mg/L	17:05:19
1	V 292.402†	39918.8	38004.4	0.2073 mg/L	0.2073 mg/L	17:05:09
1	Zn 213.857†	78539.3	72627.7	0.7789 mg/L	0.7789 mg/L	17:05:09
2	B 249.677†	80.2	70.9	0.0438 mg/L	0.0438 mg/L	17:04:58
2	Fe 234.349†	172427.3	161356.0	138.3 mg/L	138.3 mg/L	17:04:56
2	K 766.490†	31085.0	28919.3	15.75 mg/L	15.75 mg/L	17:04:58
2	Li 670.784†	3431.2	3386.2	0.1052 mg/L	0.1052 mg/L	17:04:58
2	Na 589.592†	5181.8	4698.3	0.8698 mg/L	0.8698 mg/L	17:04:58
2	Sr 407.771†	173894.2	162591.9	0.1710 mg/L	0.1710 mg/L	17:04:56
2	Y 371.029	2647059.3	2647059.3	1.07 mg/L		17:05:26
2	Ag 328.068†	277.9	-1124.1	-0.0004 mg/L	-0.0004 mg/L	17:05:29
2	Al 237.313†	699367.8	654566.3	84.50 mg/L	84.50 mg/L	17:05:26
2	As 188.979†	49.4	43.2	0.1133 mg/L	0.1133 mg/L	17:05:39
2	B 182.528†	22.1	22.7	0.0497 mg/L	0.0497 mg/L	17:05:39
2	Ba 233.527†	35202.7	32995.6	0.4546 mg/L	0.4546 mg/L	17:05:29
2	Be 313.107†	8270.1	8254.7	0.0048 mg/L	0.0048 mg/L	17:05:29
2	Ca 315.887†	4150799.4	3883990.6	36.57 mg/L	36.57 mg/L	17:05:26
2	Cd 228.802†	174.7	100.6	0.0033 mg/L	0.0033 mg/L	17:05:39
2	Co 228.616†	2012.9	1948.5	0.0372 mg/L	0.0372 mg/L	17:05:39
2	Cr 267.716†	11583.4	10430.9	0.1117 mg/L	0.1117 mg/L	17:05:29
2	Cu 324.752†	50480.8	46004.6	0.2593 mg/L	0.2593 mg/L	17:05:29
2	Fe 238.204†	14869087.0	13913705.4	117.6 mg/L	117.6 mg/L	17:05:23
2	Mg 279.077†	229725.0	214832.0	18.92 mg/L	18.92 mg/L	17:05:29
2	Mn 257.610†	1739861.6	1626920.6	2.874 mg/L	2.874 mg/L	17:05:26
2	Mo 202.031†	334.9	286.2	-0.0282 mg/L	-0.0282 mg/L	17:05:39
2	Ni 231.604†	2346.0	2214.1	0.0747 mg/L	0.0747 mg/L	17:05:39
2	P 214.914†	16952.6	15520.8	9.583 mg/L	9.583 mg/L	17:05:29
2	Pb 220.353†	7840.2	7278.4	0.5999 mg/L	0.5999 mg/L	17:05:39
2	Sb 206.836†	68.1	26.9	-0.0397 mg/L	-0.0397 mg/L	17:05:39
2	Se 196.026†	-32.9	-30.9	0.0275 mg/L	0.0275 mg/L	17:05:39
2	Sn 189.927†	-179.4	-170.7	0.3630 mg/L	0.3630 mg/L	17:05:39
2	Ti 337.279†	3473544.5	3250855.0	4.598 mg/L	4.598 mg/L	17:05:26
2	Tl 190.801†	9.3	6.7	-0.0854 mg/L	-0.0854 mg/L	17:05:39
2	V 292.402†	39677.2	37811.4	0.2056 mg/L	0.2056 mg/L	17:05:29
2	Zn 213.857†	77888.4	72083.5	0.7730 mg/L	0.7730 mg/L	17:05:29

Mean Data: 1210140-06

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2648229.7	1.07	mg/L	0.001				0.06%
Ag 328.068†	-1085.9	-0.0002	mg/L	0.00030	-0.0002	mg/L	0.00030	162.58%
Al 237.313†	654501.7	84.49	mg/L	0.012	84.49	mg/L	0.012	0.01%
As 188.979†	41.4	0.1103	mg/L	0.00413	0.1103	mg/L	0.00413	3.74%
B 182.528†	22.1	0.0485	mg/L	0.00165	0.0485	mg/L	0.00165	3.39%
B 249.677†	63.3	0.0394	mg/L	0.00618	0.0394	mg/L	0.00618	15.70%
Ba 233.527†	33132.0	0.4565	mg/L	0.00267	0.4565	mg/L	0.00267	0.58%
Be 313.107†	8309.5	0.0048	mg/L	0.00005	0.0048	mg/L	0.00005	0.96%
Ca 315.887†	3888953.0	36.62	mg/L	0.066	36.62	mg/L	0.066	0.18%
Cd 228.802†	100.4	0.0033	mg/L	0.00000	0.0033	mg/L	0.00000	0.09%
Co 228.616†	1957.0	0.0374	mg/L	0.00030	0.0374	mg/L	0.00030	0.81%
Cr 267.716†	10489.6	0.1123	mg/L	0.00091	0.1123	mg/L	0.00091	0.81%
Cu 324.752†	46162.8	0.2602	mg/L	0.00126	0.2602	mg/L	0.00126	0.48%
Fe 234.349†	159631.1	136.8	mg/L	2.09	136.8	mg/L	2.09	1.53%
Fe 238.204†	13908505.2	117.5	mg/L	0.06	117.5	mg/L	0.06	0.05%
K 766.490†	28647.5	15.61	mg/L	0.207	15.61	mg/L	0.207	1.32%
Li 670.784†	3359.0	0.1043	mg/L	0.00119	0.1043	mg/L	0.00119	1.14%
Mg 279.077†	215970.2	19.02	mg/L	0.142	19.02	mg/L	0.142	0.75%
Mn 257.610†	1626935.9	2.874	mg/L	0.0000	2.874	mg/L	0.0000	0.00%
Mo 202.031†	274.0	-0.0284	mg/L	0.00027	-0.0284	mg/L	0.00027	0.96%
Na 589.592†	4713.5	0.8723	mg/L	0.00352	0.8723	mg/L	0.00352	0.40%
Ni 231.604†	2211.0	0.0746	mg/L	0.00015	0.0746	mg/L	0.00015	0.21%
P 214.914†	15626.0	9.642	mg/L	0.0835	9.642	mg/L	0.0835	0.87%
Pb 220.353†	7261.4	0.5985	mg/L	0.00208	0.5985	mg/L	0.00208	0.35%
Sb 206.836†	27.5	-0.0385	mg/L	0.00165	-0.0385	mg/L	0.00165	4.28%
Se 196.026†	-34.0	0.0238	mg/L	0.00523	0.0238	mg/L	0.00523	22.00%
Sn 189.927†	-164.1	0.3602	mg/L	0.00398	0.3602	mg/L	0.00398	1.10%
Sr 407.771†	161017.4	0.1694	mg/L	0.00234	0.1694	mg/L	0.00234	1.38%
Ti 337.279†	3250171.8	4.597	mg/L	0.0014	4.597	mg/L	0.0014	0.03%
Tl 190.801†	6.6	-0.0846	mg/L	0.00105	-0.0846	mg/L	0.00105	1.24%

V 292.402†	37907.9	0.2064 mg/L	0.00125	0.2064 mg/L	0.00125	0.61%
Zn 213.857†	72355.6	0.7759 mg/L	0.00414	0.7759 mg/L	0.00414	0.53%

Sequence No.: 22	Autosampler Location: 26
Sample ID: CJ20523-DUP1	Date Collected: 10/6/2012 5:07:16 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CJ20523-DUP1							
Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Sample Conc. Units	Analysis Time
1	B 249.677†	42.5	36.1	0.0235 mg/L		0.0235 mg/L	17:08:56
1	Fe 234.349†	165433.6	156500.4	134.1 mg/L		134.1 mg/L	17:08:54
1	K 766.490†	31945.6	30050.8	16.36 mg/L		16.36 mg/L	17:08:56
1	Li 670.784†	3943.3	3905.7	0.1212 mg/L		0.1212 mg/L	17:08:56
1	Na 589.592†	5488.3	5041.2	0.9259 mg/L		0.9259 mg/L	17:08:56
1	Sr 407.771†	153380.5	144961.8	0.1525 mg/L		0.1525 mg/L	17:08:54
1	Y 371.029	2618493.0	2618493.0	1.06 mg/L			17:09:08
1	Ag 328.068†	250.8	-1147.0	-0.0009 mg/L		-0.0009 mg/L	17:09:11
1	Al 237.313†	719181.6	680449.0	87.84 mg/L		87.84 mg/L	17:09:08
1	As 188.979†	40.5	35.3	0.1016 mg/L		0.1016 mg/L	17:09:21
1	B 182.528†	16.5	13.0	0.0306 mg/L		0.0306 mg/L	17:09:21
1	Ba 233.527†	34754.8	32931.2	0.4537 mg/L		0.4537 mg/L	17:09:11
1	Be 313.107†	8552.8	8606.5	0.0050 mg/L		0.0050 mg/L	17:09:11
1	Ca 315.887†	3750167.9	3547380.4	33.40 mg/L		33.40 mg/L	17:09:06
1	Cd 228.802†	155.4	84.2	0.0027 mg/L		0.0027 mg/L	17:09:21
1	Co 228.616†	2262.7	2205.3	0.0429 mg/L		0.0429 mg/L	17:09:21
1	Cr 267.716†	11667.3	10628.5	0.1139 mg/L		0.1139 mg/L	17:09:11
1	Cu 324.752†	39381.4	36020.2	0.2034 mg/L		0.2034 mg/L	17:09:11
1	Fe 238.204†	14338899.8	13563958.2	114.6 mg/L		114.6 mg/L	17:09:06
1	Mg 279.077†	241972.0	228762.4	20.15 mg/L		20.15 mg/L	17:09:08
1	Mn 257.610†	1578412.0	1491956.2	2.635 mg/L		2.635 mg/L	17:09:08
1	Mo 202.031†	275.7	233.7	-0.0297 mg/L		-0.0297 mg/L	17:09:21
1	Ni 231.604†	2443.1	2329.9	0.0788 mg/L		0.0788 mg/L	17:09:21
1	P 214.914†	16240.4	15020.2	9.276 mg/L		9.276 mg/L	17:09:21
1	Pb 220.353†	7359.4	6903.6	0.5669 mg/L		0.5669 mg/L	17:09:21
1	Sb 206.836†	70.2	29.6	-0.0356 mg/L		-0.0356 mg/L	17:09:21
1	Se 196.026†	-36.0	-34.1	0.0226 mg/L		0.0226 mg/L	17:09:21
1	Sn 189.927†	-173.0	-166.5	0.3518 mg/L		0.3518 mg/L	17:09:21
1	Ti 337.279†	3697713.8	3498371.5	4.948 mg/L		4.948 mg/L	17:09:08
1	Tl 190.801†	10.4	7.8	-0.0827 mg/L		-0.0827 mg/L	17:09:21
1	V 292.402†	38259.0	36874.8	0.2002 mg/L		0.2002 mg/L	17:09:11
1	Zn 213.857†	64367.1	60088.0	0.6441 mg/L		0.6441 mg/L	17:09:11
2	B 249.677†	38.9	32.5	0.0214 mg/L		0.0214 mg/L	17:09:01
2	Fe 234.349†	165004.9	155650.2	133.4 mg/L		133.4 mg/L	17:08:59
2	K 766.490†	31918.6	29939.2	16.30 mg/L		16.30 mg/L	17:09:01
2	Li 670.784†	3969.2	3919.5	0.1217 mg/L		0.1217 mg/L	17:09:01
2	Na 589.592†	5489.4	5027.4	0.9236 mg/L		0.9236 mg/L	17:09:01
2	Sr 407.771†	153235.9	144412.2	0.1520 mg/L		0.1520 mg/L	17:08:59
2	Y 371.029	2625972.7	2625972.7	1.06 mg/L			17:09:27
2	Ag 328.068†	290.0	-1110.7	-0.0007 mg/L		-0.0007 mg/L	17:09:29
2	Al 237.313†	720908.5	680140.2	87.80 mg/L		87.80 mg/L	17:09:27
2	As 188.979†	37.3	32.2	0.0975 mg/L		0.0975 mg/L	17:09:39
2	B 182.528†	15.4	11.9	0.0286 mg/L		0.0286 mg/L	17:09:39
2	Ba 233.527†	35116.5	33178.8	0.4571 mg/L		0.4571 mg/L	17:09:29
2	Be 313.107†	8469.3	8504.7	0.0049 mg/L		0.0049 mg/L	17:09:29
2	Ca 315.887†	3785234.2	3570352.9	33.62 mg/L		33.62 mg/L	17:09:24
2	Cd 228.802†	149.3	78.0	0.0025 mg/L		0.0025 mg/L	17:09:39
2	Co 228.616†	2244.5	2182.0	0.0424 mg/L		0.0424 mg/L	17:09:39
2	Cr 267.716†	11757.6	10682.2	0.1144 mg/L		0.1144 mg/L	17:09:29
2	Cu 324.752†	39583.2	36104.5	0.2039 mg/L		0.2039 mg/L	17:09:29
2	Fe 238.204†	14474682.1	13653402.5	115.4 mg/L		115.4 mg/L	17:09:24
2	Mg 279.077†	242799.2	228890.7	20.16 mg/L		20.16 mg/L	17:09:27
2	Mn 257.610†	1581340.4	1490465.6	2.632 mg/L		2.632 mg/L	17:09:27
2	Mo 202.031†	286.0	242.6	-0.0290 mg/L		-0.0290 mg/L	17:09:39
2	Ni 231.604†	2448.4	2328.3	0.0787 mg/L		0.0787 mg/L	17:09:39
2	P 214.914†	16317.7	15049.3	9.292 mg/L		9.292 mg/L	17:09:39
2	Pb 220.353†	7388.4	6911.2	0.5675 mg/L		0.5675 mg/L	17:09:39
2	Sb 206.836†	58.9	18.8	-0.0444 mg/L		-0.0444 mg/L	17:09:39
2	Se 196.026†	-47.7	-45.1	0.0116 mg/L		0.0116 mg/L	17:09:39

2	Sn 189.927†	-195.1	-186.9	0.3451 mg/L	0.3451 mg/L	17:09:39
2	Ti 337.279†	3703322.6	3493698.9	4.942 mg/L	4.942 mg/L	17:09:27
2	Tl 190.801†	19.9	16.8	-0.0760 mg/L	-0.0760 mg/L	17:09:39
2	V 292.402†	38404.2	36908.7	0.2005 mg/L	0.2005 mg/L	17:09:29
2	Zn 213.857†	64658.1	60189.0	0.6452 mg/L	0.6452 mg/L	17:09:29

Mean Data: CJ20523-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2622232.9	1.06 mg/L		0.002			0.20%
Ag 328.068†	-1128.8	-0.0008 mg/L		0.00018	-0.0008 mg/L	0.00018	22.77%
Al 237.313†	680294.6	87.82 mg/L		0.028	87.82 mg/L	0.028	0.03%
As 188.979†	33.8	0.0995 mg/L		0.00294	0.0995 mg/L	0.00294	2.95%
B 182.528†	12.4	0.0296 mg/L		0.00144	0.0296 mg/L	0.00144	4.84%
B 249.677†	34.3	0.0225 mg/L		0.00146	0.0225 mg/L	0.00146	6.50%
Ba 233.527†	33055.0	0.4554 mg/L		0.00242	0.4554 mg/L	0.00242	0.53%
Be 313.107†	8555.6	0.0050 mg/L		0.00004	0.0050 mg/L	0.00004	0.87%
Ca 315.887†	3558866.6	33.51 mg/L		0.153	33.51 mg/L	0.153	0.46%
Cd 228.802†	81.1	0.0026 mg/L		0.00014	0.0026 mg/L	0.00014	5.41%
Co 228.616†	2193.7	0.0426 mg/L		0.00040	0.0426 mg/L	0.00040	0.95%
Cr 267.716†	10655.4	0.1142 mg/L		0.00042	0.1142 mg/L	0.00042	0.37%
Cu 324.752†	36062.4	0.2036 mg/L		0.00033	0.2036 mg/L	0.00033	0.16%
Fe 234.349†	156075.3	133.8 mg/L		0.52	133.8 mg/L	0.52	0.39%
Fe 238.204†	13608680.4	115.0 mg/L		0.53	115.0 mg/L	0.53	0.46%
K 766.490†	29995.0	16.33 mg/L		0.042	16.33 mg/L	0.042	0.26%
Li 670.784†	3912.6	0.1214 mg/L		0.00030	0.1214 mg/L	0.00030	0.25%
Mg 279.077†	228826.5	20.15 mg/L		0.008	20.15 mg/L	0.008	0.04%
Mn 257.610†	1491210.9	2.634 mg/L		0.0019	2.634 mg/L	0.0019	0.07%
Mo 202.031†	238.2	-0.0293 mg/L		0.00050	-0.0293 mg/L	0.00050	1.70%
Na 589.592†	5034.3	0.9248 mg/L		0.00159	0.9248 mg/L	0.00159	0.17%
Ni 231.604†	2329.1	0.0788 mg/L		0.00004	0.0788 mg/L	0.00004	0.05%
P 214.914†	15034.7	9.284 mg/L		0.0110	9.284 mg/L	0.0110	0.12%
Pb 220.353†	6907.4	0.5672 mg/L		0.00047	0.5672 mg/L	0.00047	0.08%
Sb 206.836†	24.2	-0.0400 mg/L		0.00622	-0.0400 mg/L	0.00622	15.54%
Se 196.026†	-39.6	0.0171 mg/L		0.00776	0.0171 mg/L	0.00776	45.37%
Sn 189.927†	-176.7	0.3485 mg/L		0.00477	0.3485 mg/L	0.00477	1.37%
Sr 407.771†	144687.0	0.1522 mg/L		0.00041	0.1522 mg/L	0.00041	0.27%
Ti 337.279†	3496035.2	4.945 mg/L		0.0047	4.945 mg/L	0.0047	0.09%
Tl 190.801†	12.3	-0.0794 mg/L		0.00473	-0.0794 mg/L	0.00473	5.96%
V 292.402†	36891.7	0.2004 mg/L		0.00026	0.2004 mg/L	0.00026	0.13%
Zn 213.857†	60138.5	0.6447 mg/L		0.00077	0.6447 mg/L	0.00077	0.12%

Sequence No.: 23

Sample ID: CJ20523-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 27

Date Collected: 10/6/2012 5:11:16 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20523-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	754.2	699.2	0.4088 mg/L	0.4088 mg/L	17:12:58
1	Fe 234.349†	178579.5	166543.4	142.7 mg/L	142.7 mg/L	17:12:56
1	K 766.490†	74793.9	69581.8	37.62 mg/L	37.62 mg/L	17:12:56
1	Li 670.784†	18824.6	17730.7	0.5483 mg/L	0.5483 mg/L	17:12:58
1	Na 589.592†	138108.0	128644.7	21.14 mg/L	21.14 mg/L	17:12:56
1	Sr 407.771†	203711.8	189844.3	0.1996 mg/L	0.1996 mg/L	17:12:56
1	Y 371.029	2656110.1	2656110.1	1.07 mg/L		17:13:11
1	Ag 328.068†	25414.2	22316.2	0.1994 mg/L	0.1994 mg/L	17:13:14
1	Al 237.313†	802964.6	748947.4	96.69 mg/L	96.69 mg/L	17:13:11
1	As 188.979†	353.5	326.7	0.4681 mg/L	0.4681 mg/L	17:13:24
1	B 182.528†	223.5	205.8	0.4070 mg/L	0.4070 mg/L	17:13:24
1	Ba 233.527†	68762.1	64179.8	0.8859 mg/L	0.8859 mg/L	17:13:14
1	Be 313.107†	79921.2	75047.9	0.0447 mg/L	0.0447 mg/L	17:13:14
1	Ca 315.887†	4637241.4	4324395.9	40.72 mg/L	40.72 mg/L	17:13:11
1	Cd 228.802†	6101.4	5627.2	0.1975 mg/L	0.1975 mg/L	17:13:24
1	Co 228.616†	18921.4	17710.4	0.4315 mg/L	0.4315 mg/L	17:13:14
1	Cr 267.716†	50992.3	47145.4	0.5165 mg/L	0.5165 mg/L	17:13:14
1	Cu 324.752†	123617.7	114048.8	0.6432 mg/L	0.6432 mg/L	17:13:14
1	Fe 238.204†	15134165.4	14113496.9	119.3 mg/L	119.3 mg/L	17:13:08

1	Mg	279.077†	317765.9	296203.7	26.10	mg/L	26.10	mg/L	17:13:11
1	Mn	257.610†	2036684.1	1898180.2	3.353	mg/L	3.353	mg/L	17:13:11
1	Mo	202.031†	8011.8	7444.4	0.3518	mg/L	0.3518	mg/L	17:13:24
1	Ni	231.604†	14354.3	13405.2	0.4719	mg/L	0.4719	mg/L	17:13:14
1	P	214.914†	24399.1	22411.2	13.68	mg/L	13.68	mg/L	17:13:14
1	Pb	220.353†	12647.5	11736.6	0.9806	mg/L	0.9806	mg/L	17:13:24
1	Sb	206.836†	402.0	338.1	0.2208	mg/L	0.2208	mg/L	17:13:24
1	Se	196.026†	784.3	731.3	0.7685	mg/L	0.7685	mg/L	17:13:24
1	Sn	189.927†	1827.1	1701.1	0.7992	mg/L	0.7992	mg/L	17:13:24
1	Ti	337.279†	4120220.4	3842849.0	5.436	mg/L	5.436	mg/L	17:13:11
1	Tl	190.801†	593.0	551.0	0.2887	mg/L	0.2887	mg/L	17:13:24
1	V	292.402†	109095.5	102422.1	0.6140	mg/L	0.6140	mg/L	17:13:14
1	Zn	213.857†	110184.4	101953.4	1.091	mg/L	1.091	mg/L	17:13:14
2	B	249.677†	760.5	706.6	0.4131	mg/L	0.4131	mg/L	17:13:02
2	Fe	234.349†	177462.7	165870.3	142.2	mg/L	142.2	mg/L	17:13:00
2	K	766.490†	74255.1	69233.4	37.44	mg/L	37.44	mg/L	17:13:00
2	Li	670.784†	18961.1	17897.3	0.5534	mg/L	0.5534	mg/L	17:13:02
2	Na	589.592†	137765.9	128611.6	21.14	mg/L	21.14	mg/L	17:13:00
2	Sr	407.771†	202521.4	189154.6	0.1989	mg/L	0.1989	mg/L	17:13:00
2	Y	371.029	2650210.9	2650210.9	1.07	mg/L			17:13:31
2	Ag	328.068†	25455.5	22407.6	0.2002	mg/L	0.2002	mg/L	17:13:33
2	Al	237.313†	802095.4	749801.8	96.80	mg/L	96.80	mg/L	17:13:31
2	As	188.979†	355.6	329.4	0.4712	mg/L	0.4712	mg/L	17:13:43
2	B	182.528†	217.8	201.0	0.3975	mg/L	0.3975	mg/L	17:13:43
2	Ba	233.527†	69251.9	64780.4	0.8942	mg/L	0.8942	mg/L	17:13:33
2	Be	313.107†	80755.4	75993.4	0.0453	mg/L	0.0453	mg/L	17:13:33
2	Ca	315.887†	4639491.8	4336125.4	40.83	mg/L	40.83	mg/L	17:13:31
2	Cd	228.802†	6149.9	5685.2	0.1995	mg/L	0.1995	mg/L	17:13:43
2	Co	228.616†	19054.8	17874.3	0.4356	mg/L	0.4356	mg/L	17:13:33
2	Cr	267.716†	51263.7	47505.0	0.5204	mg/L	0.5204	mg/L	17:13:33
2	Cu	324.752†	124529.0	115157.1	0.6494	mg/L	0.6494	mg/L	17:13:33
2	Fe	238.204†	15135893.3	14146528.0	119.6	mg/L	119.6	mg/L	17:13:28
2	Mg	279.077†	317447.8	296566.0	26.13	mg/L	26.13	mg/L	17:13:31
2	Mn	257.610†	2037550.0	1903217.4	3.362	mg/L	3.362	mg/L	17:13:31
2	Mo	202.031†	8054.6	7501.1	0.3550	mg/L	0.3550	mg/L	17:13:43
2	Ni	231.604†	14446.6	13521.3	0.4760	mg/L	0.4760	mg/L	17:13:33
2	P	214.914†	24593.2	22643.2	13.82	mg/L	13.82	mg/L	17:13:33
2	Pb	220.353†	12700.6	11812.4	0.9871	mg/L	0.9871	mg/L	17:13:43
2	Sb	206.836†	407.5	344.0	0.2261	mg/L	0.2261	mg/L	17:13:43
2	Se	196.026†	795.8	743.7	0.7802	mg/L	0.7802	mg/L	17:13:43
2	Sn	189.927†	1819.9	1698.1	0.7969	mg/L	0.7969	mg/L	17:13:43
2	Ti	337.279†	4118499.3	3849793.2	5.446	mg/L	5.446	mg/L	17:13:31
2	Tl	190.801†	595.3	554.4	0.2914	mg/L	0.2914	mg/L	17:13:43
2	V	292.402†	109968.6	103464.7	0.6207	mg/L	0.6207	mg/L	17:13:33
2	Zn	213.857†	111172.0	103105.1	1.104	mg/L	1.104	mg/L	17:13:33

Mean Data: CJ20523-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2653160.5	1.07	mg/L	0.002				0.16%
Ag 328.068†	22361.9	0.1998	mg/L	0.00052	0.1998	mg/L	0.00052	0.26%
Al 237.313†	749374.6	96.74	mg/L	0.078	96.74	mg/L	0.078	0.08%
As 188.979†	328.0	0.4697	mg/L	0.00218	0.4697	mg/L	0.00218	0.46%
B 182.528†	203.4	0.4023	mg/L	0.00668	0.4023	mg/L	0.00668	1.66%
B 249.677†	702.9	0.4109	mg/L	0.00304	0.4109	mg/L	0.00304	0.74%
Ba 233.527†	64480.1	0.8900	mg/L	0.00587	0.8900	mg/L	0.00587	0.66%
Be 313.107†	75520.7	0.0450	mg/L	0.00040	0.0450	mg/L	0.00040	0.89%
Ca 315.887†	4330260.6	40.78	mg/L	0.078	40.78	mg/L	0.078	0.19%
Cd 228.802†	5656.2	0.1985	mg/L	0.00144	0.1985	mg/L	0.00144	0.73%
Co 228.616†	17792.4	0.4335	mg/L	0.00290	0.4335	mg/L	0.00290	0.67%
Cr 267.716†	47325.2	0.5185	mg/L	0.00280	0.5185	mg/L	0.00280	0.54%
Cu 324.752†	114603.0	0.6463	mg/L	0.00442	0.6463	mg/L	0.00442	0.68%
Fe 234.349†	166206.9	142.4	mg/L	0.41	142.4	mg/L	0.41	0.29%
Fe 238.204†	14130012.5	119.4	mg/L	0.20	119.4	mg/L	0.20	0.17%
K 766.490†	69407.6	37.53	mg/L	0.132	37.53	mg/L	0.132	0.35%
Li 670.784†	17814.0	0.5508	mg/L	0.00364	0.5508	mg/L	0.00364	0.66%
Mg 279.077†	296384.9	26.11	mg/L	0.023	26.11	mg/L	0.023	0.09%
Mn 257.610†	1900698.8	3.358	mg/L	0.0063	3.358	mg/L	0.0063	0.19%
Mo 202.031†	7472.7	0.3534	mg/L	0.00226	0.3534	mg/L	0.00226	0.64%
Na 589.592†	128628.1	21.14	mg/L	0.004	21.14	mg/L	0.004	0.02%
Ni 231.604†	13463.2	0.4740	mg/L	0.00291	0.4740	mg/L	0.00291	0.61%
P 214.914†	22527.2	13.75	mg/L	0.097	13.75	mg/L	0.097	0.70%

Pb 220.353†	11774.5	0.9839 mg/L	0.00459	0.9839 mg/L	0.00459	0.47%
Sb 206.836†	341.1	0.2234 mg/L	0.00374	0.2234 mg/L	0.00374	1.67%
Se 196.026†	737.5	0.7744 mg/L	0.00831	0.7744 mg/L	0.00831	1.07%
Sn 189.927†	1699.6	0.7981 mg/L	0.00166	0.7981 mg/L	0.00166	0.21%
Sr 407.771†	189499.5	0.1992 mg/L	0.00051	0.1992 mg/L	0.00051	0.26%
Ti 337.279†	3846321.1	5.441 mg/L	0.0069	5.441 mg/L	0.0069	0.13%
Tl 190.801†	552.7	0.2901 mg/L	0.00189	0.2901 mg/L	0.00189	0.65%
V 292.402†	102943.4	0.6173 mg/L	0.00472	0.6173 mg/L	0.00472	0.76%
Zn 213.857†	102529.3	1.097 mg/L	0.0087	1.097 mg/L	0.0087	0.80%

Sequence No.: 24
Sample ID: CJ20523-SD1 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 10/6/2012 5:15:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	9.0	4.7	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	17:17:11
1	Fe 234.349†	36851.7	36366.6	31.18 mg/L	31.18 mg/L	31.18 mg/L	17:17:01
1	K 766.490†	6678.4	6420.7	3.651 mg/L	3.651 mg/L	3.651 mg/L	17:17:11
1	Li 670.784†	598.6	766.1	0.0242 mg/L	0.0242 mg/L	0.0242 mg/L	17:17:11
1	Na 589.592†	1125.3	959.7	0.2583 mg/L	0.2583 mg/L	0.2583 mg/L	17:17:11
1	Sr 407.771†	36808.2	36187.0	0.0384 mg/L	0.0384 mg/L	0.0384 mg/L	17:17:01
1	Y 371.029	2510445.3	2510445.3	1.01 mg/L	1.01 mg/L	1.01 mg/L	17:17:28
1	Ag 328.068†	1075.7	-322.8	-0.0019 mg/L	-0.0019 mg/L	-0.0019 mg/L	17:17:31
1	Al 237.313†	150745.8	148865.4	19.21 mg/L	19.21 mg/L	19.21 mg/L	17:17:31
1	As 188.979†	11.1	7.9	0.0245 mg/L	0.0245 mg/L	0.0245 mg/L	17:17:41
1	B 182.528†	7.1	4.3	0.0138 mg/L	0.0138 mg/L	0.0138 mg/L	17:17:41
1	Ba 233.527†	7744.5	7695.8	0.1046 mg/L	0.1046 mg/L	0.1046 mg/L	17:17:31
1	Be 313.107†	1557.1	2052.2	0.0011 mg/L	0.0011 mg/L	0.0011 mg/L	17:17:31
1	Ca 315.887†	873392.8	861607.3	8.101 mg/L	8.101 mg/L	8.101 mg/L	17:17:28
1	Cd 228.802†	92.5	28.4	0.0009 mg/L	0.0009 mg/L	0.0009 mg/L	17:17:41
1	Co 228.616†	413.8	473.2	0.0072 mg/L	0.0072 mg/L	0.0072 mg/L	17:17:41
1	Cr 267.716†	2838.7	2392.6	0.0231 mg/L	0.0231 mg/L	0.0231 mg/L	17:17:31
1	Cu 324.752†	12101.6	10707.2	0.0578 mg/L	0.0578 mg/L	0.0578 mg/L	17:17:31
1	Fe 238.204†	3538017.6	3490734.2	29.49 mg/L	29.49 mg/L	29.49 mg/L	17:17:28
1	Mg 279.077†	51057.4	50242.4	4.396 mg/L	4.396 mg/L	4.396 mg/L	17:17:31
1	Mn 257.610†	376809.7	370622.4	0.6524 mg/L	0.6524 mg/L	0.6524 mg/L	17:17:28
1	Mo 202.031†	104.0	75.5	-0.0060 mg/L	-0.0060 mg/L	-0.0060 mg/L	17:17:41
1	Ni 231.604†	496.1	508.3	0.0142 mg/L	0.0142 mg/L	0.0142 mg/L	17:17:41
1	P 214.914†	3956.3	3560.9	2.219 mg/L	2.219 mg/L	2.219 mg/L	17:17:41
1	Pb 220.353†	1779.8	1697.9	0.1371 mg/L	0.1371 mg/L	0.1371 mg/L	17:17:41
1	Sb 206.836†	39.5	2.1	-0.0132 mg/L	-0.0132 mg/L	-0.0132 mg/L	17:17:41
1	Se 196.026†	-13.2	-13.0	-0.0009 mg/L	-0.0009 mg/L	-0.0009 mg/L	17:17:41
1	Sn 189.927†	-66.4	-68.4	0.0730 mg/L	0.0730 mg/L	0.0730 mg/L	17:17:41
1	Ti 337.279†	727931.6	718694.7	1.015 mg/L	1.015 mg/L	1.015 mg/L	17:17:28
1	Tl 190.801†	7.0	4.9	-0.0203 mg/L	-0.0203 mg/L	-0.0203 mg/L	17:17:41
1	V 292.402†	8102.9	8678.0	0.0457 mg/L	0.0457 mg/L	0.0457 mg/L	17:17:31
1	Zn 213.857†	19524.9	18463.6	0.1972 mg/L	0.1972 mg/L	0.1972 mg/L	17:17:31
2	B 249.677†	23.2	18.6	0.0135 mg/L	0.0135 mg/L	0.0135 mg/L	17:17:24
2	Fe 234.349†	36232.4	35668.4	30.59 mg/L	30.59 mg/L	30.59 mg/L	17:17:14
2	K 766.490†	6690.0	6416.0	3.648 mg/L	3.648 mg/L	3.648 mg/L	17:17:24
2	Li 670.784†	620.5	786.2	0.0249 mg/L	0.0249 mg/L	0.0249 mg/L	17:17:24
2	Na 589.592†	1165.9	997.0	0.2644 mg/L	0.2644 mg/L	0.2644 mg/L	17:17:24
2	Sr 407.771†	36197.3	35497.0	0.0377 mg/L	0.0377 mg/L	0.0377 mg/L	17:17:14
2	Y 371.029	2516584.9	2516584.9	1.02 mg/L	1.02 mg/L	1.02 mg/L	17:17:43
2	Ag 328.068†	1093.3	-308.1	-0.0018 mg/L	-0.0018 mg/L	-0.0018 mg/L	17:17:46
2	Al 237.313†	146782.9	144601.9	18.66 mg/L	18.66 mg/L	18.66 mg/L	17:17:46
2	As 188.979†	10.9	7.8	0.0241 mg/L	0.0241 mg/L	0.0241 mg/L	17:17:56
2	B 182.528†	6.6	3.9	0.0129 mg/L	0.0129 mg/L	0.0129 mg/L	17:17:56
2	Ba 233.527†	7448.9	7386.2	0.1003 mg/L	0.1003 mg/L	0.1003 mg/L	17:17:46
2	Be 313.107†	1477.8	1970.4	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	17:17:46
2	Ca 315.887†	870027.4	856192.5	8.050 mg/L	8.050 mg/L	8.050 mg/L	17:17:43
2	Cd 228.802†	85.1	20.9	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	17:17:56
2	Co 228.616†	396.1	454.8	0.0067 mg/L	0.0067 mg/L	0.0067 mg/L	17:17:56
2	Cr 267.716†	2851.3	2398.1	0.0232 mg/L	0.0232 mg/L	0.0232 mg/L	17:17:46
2	Cu 324.752†	11789.0	10370.3	0.0559 mg/L	0.0559 mg/L	0.0559 mg/L	17:17:46
2	Fe 238.204†	3521425.8	3465886.9	29.28 mg/L	29.28 mg/L	29.28 mg/L	17:17:43
2	Mg 279.077†	49660.0	48744.0	4.263 mg/L	4.263 mg/L	4.263 mg/L	17:17:46

2	Mn 257.610†	375023.8	367957.5	0.6477 mg/L	0.6477 mg/L	17:17:43
2	Mo 202.031†	105.0	76.2	-0.0057 mg/L	-0.0057 mg/L	17:17:56
2	Ni 231.604†	504.1	514.9	0.0145 mg/L	0.0145 mg/L	17:17:56
2	P 214.914†	3937.7	3533.1	2.201 mg/L	2.201 mg/L	17:17:56
2	Pb 220.353†	1769.1	1683.2	0.1360 mg/L	0.1360 mg/L	17:17:56
2	Sb 206.836†	42.1	4.7	-0.0108 mg/L	-0.0108 mg/L	17:17:56
2	Se 196.026†	-7.1	-7.0	0.0047 mg/L	0.0047 mg/L	17:17:56
2	Sn 189.927†	-74.3	-76.0	0.0695 mg/L	0.0695 mg/L	17:17:56
2	Ti 337.279†	724831.2	713890.7	1.008 mg/L	1.008 mg/L	17:17:43
2	Tl 190.801†	6.1	4.0	-0.0206 mg/L	-0.0206 mg/L	17:17:56
2	V 292.402†	7892.7	8451.7	0.0444 mg/L	0.0444 mg/L	17:17:46
2	Zn 213.857†	19011.9	17911.8	0.1913 mg/L	0.1913 mg/L	17:17:46

Mean Data: CJ20523-SD1 @5

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2513515.1	1.01 mg/L		0.002			0.17%
Ag 328.068†	-315.4	-0.0018 mg/L		0.00006	-0.0018 mg/L	0.00006	3.07%
Al 237.313†	146733.6	18.94 mg/L		0.389	18.94 mg/L	0.389	2.06%
As 188.979†	7.8	0.0243 mg/L		0.00033	0.0243 mg/L	0.00033	1.38%
B 182.528†	4.1	0.0133 mg/L		0.00066	0.0133 mg/L	0.00066	4.95%
B 249.677†	11.7	0.0094 mg/L		0.00573	0.0094 mg/L	0.00573	60.92%
Ba 233.527†	7541.0	0.1024 mg/L		0.00303	0.1024 mg/L	0.00303	2.96%
Be 313.107†	2011.3	0.0010 mg/L		0.00003	0.0010 mg/L	0.00003	3.32%
Ca 315.887†	858899.9	8.075 mg/L		0.0361	8.075 mg/L	0.0361	0.45%
Cd 228.802†	24.7	0.0008 mg/L		0.00019	0.0008 mg/L	0.00019	23.69%
Co 228.616†	464.0	0.0069 mg/L		0.00032	0.0069 mg/L	0.00032	4.58%
Cr 267.716†	2395.3	0.0232 mg/L		0.00004	0.0232 mg/L	0.00004	0.19%
Cu 324.752†	10538.8	0.0568 mg/L		0.00135	0.0568 mg/L	0.00135	2.37%
Fe 234.349†	36017.5	30.88 mg/L		0.423	30.88 mg/L	0.423	1.37%
Fe 238.204†	3478310.6	29.39 mg/L		0.148	29.39 mg/L	0.148	0.51%
K 766.490†	6418.4	3.649 mg/L		0.0018	3.649 mg/L	0.0018	0.05%
Li 670.784†	776.2	0.0246 mg/L		0.00044	0.0246 mg/L	0.00044	1.79%
Mg 279.077†	49493.2	4.329 mg/L		0.0935	4.329 mg/L	0.0935	2.16%
Mn 257.610†	369289.9	0.6501 mg/L		0.00333	0.6501 mg/L	0.00333	0.51%
Mo 202.031†	75.8	-0.0058 mg/L		0.00016	-0.0058 mg/L	0.00016	2.72%
Na 589.592†	978.3	0.2613 mg/L		0.00431	0.2613 mg/L	0.00431	1.65%
Ni 231.604†	511.6	0.0144 mg/L		0.00017	0.0144 mg/L	0.00017	1.16%
P 214.914†	3547.0	2.210 mg/L		0.0127	2.210 mg/L	0.0127	0.57%
Pb 220.353†	1690.6	0.1365 mg/L		0.00079	0.1365 mg/L	0.00079	0.58%
Sb 206.836†	3.4	-0.0120 mg/L		0.00169	-0.0120 mg/L	0.00169	14.09%
Se 196.026†	-10.0	0.0019 mg/L		0.00395	0.0019 mg/L	0.00395	205.31%
Sn 189.927†	-72.2	0.0713 mg/L		0.00246	0.0713 mg/L	0.00246	3.46%
Sr 407.771†	35842.0	0.0381 mg/L		0.00051	0.0381 mg/L	0.00051	1.34%
Ti 337.279†	716292.7	1.012 mg/L		0.0048	1.012 mg/L	0.0048	0.48%
Tl 190.801†	4.5	-0.0204 mg/L		0.00022	-0.0204 mg/L	0.00022	1.07%
V 292.402†	8564.8	0.0450 mg/L		0.00092	0.0450 mg/L	0.00092	2.04%
Zn 213.857†	18187.7	0.1943 mg/L		0.00419	0.1943 mg/L	0.00419	2.16%

Sequence No.: 25

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/6/2012 5:19:33 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	849.0	831.3	0.4856 mg/L	0.4856 mg/L	17:21:26
1	Fe 234.349†	3050.2	3007.4	2.585 mg/L	2.585 mg/L	17:21:26
1	K 766.490†	46150.9	45247.4	24.53 mg/L	24.53 mg/L	17:21:16
1	Li 670.784†	16473.0	16386.2	0.5067 mg/L	0.5067 mg/L	17:21:16
1	Na 589.592†	153994.8	151392.2	24.87 mg/L	24.87 mg/L	17:21:16
1	Sr 407.771†	47671.0	46781.0	0.0495 mg/L	0.0495 mg/L	17:21:16
1	Y 371.029	2517084.2	2517084.2	1.02 mg/L		17:21:43
1	Ag 328.068†	30197.0	28332.0	0.2398 mg/L	0.2398 mg/L	17:21:45
1	Al 237.313†	19144.8	18967.4	2.446 mg/L	2.446 mg/L	17:21:45
1	As 188.979†	385.9	376.8	0.4720 mg/L	0.4720 mg/L	17:21:55
1	B 182.528†	251.6	244.9	0.4834 mg/L	0.4834 mg/L	17:21:55
1	Ba 233.527†	35231.6	34725.1	0.4784 mg/L	0.4784 mg/L	17:21:45

1	Be 313.107†	83596.9	82781.7	0.0493 mg/L	0.0493 mg/L	17:21:45
1	Ca 315.887†	536757.6	528059.3	4.961 mg/L	4.961 mg/L	17:21:43
1	Cd 228.802†	7393.0	7212.4	0.2534 mg/L	0.2534 mg/L	17:21:55
1	Co 228.616†	19754.4	19504.7	0.4863 mg/L	0.4863 mg/L	17:21:45
1	Cr 267.716†	44890.2	43767.1	0.4794 mg/L	0.4794 mg/L	17:21:45
1	Cu 324.752†	90534.2	87859.4	0.4918 mg/L	0.4918 mg/L	17:21:45
1	Fe 238.204†	291911.2	287106.5	2.416 mg/L	2.416 mg/L	17:21:45
1	Mg 279.077†	56642.1	55605.3	4.868 mg/L	4.868 mg/L	17:21:45
1	Mn 257.610†	288553.7	282791.0	0.4972 mg/L	0.4972 mg/L	17:21:45
1	Mo 202.031†	9499.0	9320.7	0.4955 mg/L	0.4955 mg/L	17:21:55
1	Ni 231.604†	14015.5	13811.2	0.4864 mg/L	0.4864 mg/L	17:21:45
1	P 214.914†	8469.0	7991.4	4.776 mg/L	4.776 mg/L	17:21:55
1	Pb 220.353†	5818.7	5667.9	0.4836 mg/L	0.4836 mg/L	17:21:55
1	Sb 206.836†	624.3	577.5	0.4846 mg/L	0.4846 mg/L	17:21:55
1	Se 196.026†	1013.6	997.4	0.9668 mg/L	0.9668 mg/L	17:21:55
1	Sn 189.927†	2311.4	2271.8	0.5185 mg/L	0.5185 mg/L	17:21:55
1	Ti 337.279†	351264.6	346130.7	0.4877 mg/L	0.4877 mg/L	17:21:45
1	Tl 190.801†	728.3	714.7	0.4897 mg/L	0.4897 mg/L	17:21:55
1	V 292.402†	79407.9	78826.6	0.4973 mg/L	0.4973 mg/L	17:21:45
1	Zn 213.857†	47740.2	46178.9	0.4918 mg/L	0.4918 mg/L	17:21:45
2	B 249.677†	867.1	853.6	0.4985 mg/L	0.4985 mg/L	17:21:39
2	Fe 234.349†	3059.3	3031.9	2.606 mg/L	2.606 mg/L	17:21:39
2	K 766.490†	45808.0	45142.9	24.48 mg/L	24.48 mg/L	17:21:29
2	Li 670.784†	16291.1	16290.0	0.5038 mg/L	0.5038 mg/L	17:21:29
2	Na 589.592†	152827.5	151020.9	24.80 mg/L	24.80 mg/L	17:21:29
2	Sr 407.771†	47394.1	46749.6	0.0495 mg/L	0.0495 mg/L	17:21:29
2	Y 371.029	2504141.6	2504141.6	1.01 mg/L	1.01 mg/L	17:21:58
2	Ag 328.068†	31257.0	29534.0	0.2500 mg/L	0.2500 mg/L	17:22:00
2	Al 237.313†	19766.4	19679.7	2.538 mg/L	2.538 mg/L	17:22:00
2	As 188.979†	383.6	376.5	0.4716 mg/L	0.4716 mg/L	17:22:10
2	B 182.528†	250.9	245.6	0.4846 mg/L	0.4846 mg/L	17:22:10
2	Ba 233.527†	36635.9	36293.3	0.5001 mg/L	0.5001 mg/L	17:22:00
2	Be 313.107†	86676.4	86253.0	0.0514 mg/L	0.0514 mg/L	17:22:00
2	Ca 315.887†	532579.2	526656.2	4.948 mg/L	4.948 mg/L	17:21:58
2	Cd 228.802†	7384.0	7241.1	0.2544 mg/L	0.2544 mg/L	17:22:10
2	Co 228.616†	20636.7	20477.9	0.5107 mg/L	0.5107 mg/L	17:22:00
2	Cr 267.716†	46564.9	45651.9	0.5002 mg/L	0.5002 mg/L	17:22:00
2	Cu 324.752†	93547.7	91300.8	0.5112 mg/L	0.5112 mg/L	17:22:00
2	Fe 238.204†	303441.6	299996.7	2.525 mg/L	2.525 mg/L	17:22:00
2	Mg 279.077†	58911.0	58137.7	5.091 mg/L	5.091 mg/L	17:22:00
2	Mn 257.610†	299680.8	295265.1	0.5193 mg/L	0.5193 mg/L	17:22:00
2	Mo 202.031†	9516.6	9386.3	0.4990 mg/L	0.4990 mg/L	17:22:10
2	Ni 231.604†	14544.9	14406.1	0.5075 mg/L	0.5075 mg/L	17:22:00
2	P 214.914†	8466.0	8031.6	4.799 mg/L	4.799 mg/L	17:22:10
2	Pb 220.353†	5796.5	5675.5	0.4842 mg/L	0.4842 mg/L	17:22:10
2	Sb 206.836†	613.5	570.1	0.4783 mg/L	0.4783 mg/L	17:22:10
2	Se 196.026†	1010.3	999.3	0.9686 mg/L	0.9686 mg/L	17:22:10
2	Sn 189.927†	2287.5	2259.8	0.5159 mg/L	0.5159 mg/L	17:22:10
2	Ti 337.279†	363885.2	360401.1	0.5079 mg/L	0.5079 mg/L	17:22:00
2	Tl 190.801†	730.5	720.6	0.4937 mg/L	0.4937 mg/L	17:22:10
2	V 292.402†	82428.6	82218.4	0.5186 mg/L	0.5186 mg/L	17:22:00
2	Zn 213.857†	49485.5	48148.1	0.5128 mg/L	0.5128 mg/L	17:22:00

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2510612.9	1.01 mg/L	0.004			0.36%
Ag 328.068†	28933.0	0.2449 mg/L	0.00724	0.2449 mg/L	0.00724	2.95%
QC value within limits for Ag 328.068 Recovery = 97.97%						
Al 237.313†	19323.6	2.492 mg/L	0.0652	2.492 mg/L	0.0652	2.62%
QC value within limits for Al 237.313 Recovery = 99.68%						
As 188.979†	376.6	0.4718 mg/L	0.00032	0.4718 mg/L	0.00032	0.07%
QC value within limits for As 188.979 Recovery = 94.36%						
B 182.528†	245.3	0.4840 mg/L	0.00087	0.4840 mg/L	0.00087	0.18%
QC value within limits for B 182.528 Recovery = 96.79%						
B 249.677†	842.4	0.4921 mg/L	0.00913	0.4921 mg/L	0.00913	1.85%
QC value within limits for B 249.677 Recovery = 98.42%						
Ba 233.527†	35509.2	0.4892 mg/L	0.01534	0.4892 mg/L	0.01534	3.14%
QC value within limits for Ba 233.527 Recovery = 97.84%						
Be 313.107†	84517.4	0.0504 mg/L	0.00147	0.0504 mg/L	0.00147	2.91%
QC value within limits for Be 313.107 Recovery = 100.74%						
Ca 315.887†	527357.8	4.954 mg/L	0.0092	4.954 mg/L	0.0092	0.19%

	QC value within limits for Ca	315.887	Recovery =	99.09%			
Cd	228.802†	7226.8	0.2539 mg/L	0.00072	0.2539 mg/L	0.00072	0.28%
	QC value within limits for Cd	228.802	Recovery =	101.56%			
Co	228.616†	19991.3	0.4985 mg/L	0.01725	0.4985 mg/L	0.01725	3.46%
	QC value within limits for Co	228.616	Recovery =	99.70%			
Cr	267.716†	44709.5	0.4898 mg/L	0.01468	0.4898 mg/L	0.01468	3.00%
	QC value within limits for Cr	267.716	Recovery =	97.95%			
Cu	324.752†	89580.1	0.5015 mg/L	0.01371	0.5015 mg/L	0.01371	2.73%
	QC value within limits for Cu	324.752	Recovery =	100.30%			
Fe	234.349†	3019.6	2.595 mg/L	0.0146	2.595 mg/L	0.0146	0.56%
	QC value within limits for Fe	234.349	Recovery =	103.82%			
Fe	238.204†	293551.6	2.470 mg/L	0.0771	2.470 mg/L	0.0771	3.12%
	QC value within limits for Fe	238.204	Recovery =	98.80%			
K	766.490†	45195.1	24.51 mg/L	0.040	24.51 mg/L	0.040	0.16%
	QC value within limits for K	766.490	Recovery =	98.02%			
Li	670.784†	16338.1	0.5053 mg/L	0.00210	0.5053 mg/L	0.00210	0.42%
	QC value within limits for Li	670.784	Recovery =	101.05%			
Mg	279.077†	56871.5	4.980 mg/L	0.1580	4.980 mg/L	0.1580	3.17%
	QC value within limits for Mg	279.077	Recovery =	99.59%			
Mn	257.610†	289028.0	0.5083 mg/L	0.01560	0.5083 mg/L	0.01560	3.07%
	QC value within limits for Mn	257.610	Recovery =	101.66%			
Mo	202.031†	9353.5	0.4973 mg/L	0.00246	0.4973 mg/L	0.00246	0.49%
	QC value within limits for Mo	202.031	Recovery =	99.46%			
Na	589.592†	151206.6	24.83 mg/L	0.043	24.83 mg/L	0.043	0.17%
	QC value within limits for Na	589.592	Recovery =	99.34%			
Ni	231.604†	14108.6	0.4970 mg/L	0.01491	0.4970 mg/L	0.01491	3.00%
	QC value within limits for Ni	231.604	Recovery =	99.40%			
P	214.914†	8011.5	4.788 mg/L	0.0167	4.788 mg/L	0.0167	0.35%
	QC value within limits for P	214.914	Recovery =	95.75%			
Pb	220.353†	5671.7	0.4839 mg/L	0.00042	0.4839 mg/L	0.00042	0.09%
	QC value within limits for Pb	220.353	Recovery =	96.78%			
Sb	206.836†	573.8	0.4814 mg/L	0.00443	0.4814 mg/L	0.00443	0.92%
	QC value within limits for Sb	206.836	Recovery =	96.28%			
Se	196.026†	998.3	0.9677 mg/L	0.00130	0.9677 mg/L	0.00130	0.13%
	QC value within limits for Se	196.026	Recovery =	96.77%			
Sn	189.927†	2265.8	0.5172 mg/L	0.00186	0.5172 mg/L	0.00186	0.36%
	QC value within limits for Sn	189.927	Recovery =	103.44%			
Sr	407.771†	46765.3	0.0495 mg/L	0.00002	0.0495 mg/L	0.00002	0.05%
	QC value within limits for Sr	407.771	Recovery =	99.03%			
Ti	337.279†	353265.9	0.4978 mg/L	0.01428	0.4978 mg/L	0.01428	2.87%
	QC value within limits for Ti	337.279	Recovery =	99.57%			
Tl	190.801†	717.7	0.4917 mg/L	0.00280	0.4917 mg/L	0.00280	0.57%
	QC value within limits for Tl	190.801	Recovery =	98.34%			
V	292.402†	80522.5	0.5079 mg/L	0.01512	0.5079 mg/L	0.01512	2.98%
	QC value within limits for V	292.402	Recovery =	101.59%			
Zn	213.857†	47163.5	0.5023 mg/L	0.01486	0.5023 mg/L	0.01486	2.96%
	QC value within limits for Zn	213.857	Recovery =	100.47%			

All analyte(s) passed QC.

Sequence No.: 26
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/6/2012 5:23:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1.0	-3.2	0.0008 mg/L	0.0008 mg/L	17:25:45
1	Fe 234.349†	3.2	8.8	0.0260 mg/L	0.0260 mg/L	17:25:45
1	K 766.490†	139.3	-35.9	0.1779 mg/L	0.1779 mg/L	17:25:35
1	Li 670.784†	-168.9	14.5	0.0010 mg/L	0.0010 mg/L	17:25:35
1	Na 589.592†	-115.3	-260.5	0.0587 mg/L	0.0587 mg/L	17:25:35
1	Sr 407.771†	131.1	-6.0	0.0004 mg/L	0.0004 mg/L	17:25:35
1	Y 371.029	2599273.4	2599273.4	1.05 mg/L		17:26:09
1	Ag 328.068†	1244.1	-198.7	-0.0032 mg/L	-0.0032 mg/L	17:26:11
1	Al 237.313†	-99.4	32.8	-0.0036 mg/L	-0.0036 mg/L	17:26:21
1	As 188.979†	3.0	-0.1	0.0015 mg/L	0.0015 mg/L	17:26:21
1	B 182.528†	5.8	2.8	0.0109 mg/L	0.0109 mg/L	17:26:21
1	Ba 233.527†	-60.6	-3.3	-0.0020 mg/L	-0.0020 mg/L	17:26:21
1	Be 313.107†	-459.9	77.6	-0.0001 mg/L	-0.0001 mg/L	17:26:11

1	Ca	315.887†	408.2	237.3	-0.0140	mg/L	-0.0140	mg/L	17:26:11
1	Cd	228.802†	63.6	-2.2	-0.0001	mg/L	-0.0001	mg/L	17:26:21
1	Co	228.616†	-67.3	0.7	-0.0027	mg/L	-0.0027	mg/L	17:26:21
1	Cr	267.716†	383.7	-42.7	-0.0037	mg/L	-0.0037	mg/L	17:26:21
1	Cu	324.752†	1459.0	157.1	-0.0024	mg/L	-0.0024	mg/L	17:26:11
1	Fe	238.204†	627.7	441.5	-0.0080	mg/L	-0.0080	mg/L	17:26:21
1	Mg	279.077†	154.5	12.3	-0.0367	mg/L	-0.0367	mg/L	17:26:11
1	Mn	257.610†	461.2	-728.7	-0.0042	mg/L	-0.0042	mg/L	17:26:21
1	Mo	202.031†	36.4	7.6	0.0002	mg/L	0.0002	mg/L	17:26:21
1	Ni	231.604†	-23.8	-3.9	-0.0039	mg/L	-0.0039	mg/L	17:26:21
1	P	214.914†	354.9	-4.5	0.0252	mg/L	0.0252	mg/L	17:26:21
1	Pb	220.353†	77.8	16.0	-0.0025	mg/L	-0.0025	mg/L	17:26:21
1	Sb	206.836†	32.3	-6.0	-0.0062	mg/L	-0.0062	mg/L	17:26:21
1	Se	196.026†	6.8	6.4	0.0047	mg/L	0.0047	mg/L	17:26:21
1	Sn	189.927†	5.7	2.5	-0.0020	mg/L	-0.0020	mg/L	17:26:21
1	Ti	337.279†	-114.2	350.3	-0.0016	mg/L	-0.0016	mg/L	17:26:11
1	Tl	190.801†	3.1	0.9	-0.0038	mg/L	-0.0038	mg/L	17:26:21
1	V	292.402†	-559.8	149.6	-0.0012	mg/L	-0.0012	mg/L	17:26:11
1	Zn	213.857†	1021.1	171.9	0.0008	mg/L	0.0008	mg/L	17:26:21
2	B	249.677†	4.0	-0.3	0.0025	mg/L	0.0025	mg/L	17:26:05
2	Fe	234.349†	0.0	5.8	0.0234	mg/L	0.0234	mg/L	17:26:05
2	K	766.490†	152.8	-20.3	0.1863	mg/L	0.1863	mg/L	17:25:55
2	Li	670.784†	-140.4	39.1	0.0018	mg/L	0.0018	mg/L	17:25:55
2	Na	589.592†	-117.0	-264.2	0.0581	mg/L	0.0581	mg/L	17:25:55
2	Sr	407.771†	150.0	14.7	0.0005	mg/L	0.0005	mg/L	17:25:55
2	Y	371.029	2550716.2	2550716.2	1.03	mg/L			17:26:23
2	Ag	328.068†	1273.1	-147.9	-0.0028	mg/L	-0.0028	mg/L	17:26:26
2	Al	237.313†	-90.1	40.0	-0.0026	mg/L	-0.0026	mg/L	17:26:36
2	As	188.979†	3.2	0.1	0.0017	mg/L	0.0017	mg/L	17:26:36
2	B	182.528†	1.2	-1.5	0.0024	mg/L	0.0024	mg/L	17:26:36
2	Ba	233.527†	-53.7	2.3	-0.0019	mg/L	-0.0019	mg/L	17:26:36
2	Be	313.107†	-402.5	125.0	-0.0001	mg/L	-0.0001	mg/L	17:26:26
2	Ca	315.887†	466.6	301.3	-0.0134	mg/L	-0.0134	mg/L	17:26:26
2	Cd	228.802†	64.8	0.1	0.0000	mg/L	0.0000	mg/L	17:26:36
2	Co	228.616†	-67.2	-0.4	-0.0027	mg/L	-0.0027	mg/L	17:26:36
2	Cr	267.716†	387.3	-32.3	-0.0036	mg/L	-0.0036	mg/L	17:26:36
2	Cu	324.752†	1355.8	83.4	-0.0029	mg/L	-0.0029	mg/L	17:26:26
2	Fe	238.204†	674.2	498.1	-0.0075	mg/L	-0.0075	mg/L	17:26:36
2	Mg	279.077†	116.9	-21.4	-0.0397	mg/L	-0.0397	mg/L	17:26:26
2	Mn	257.610†	449.0	-732.2	-0.0042	mg/L	-0.0042	mg/L	17:26:36
2	Mo	202.031†	29.9	1.9	-0.0001	mg/L	-0.0001	mg/L	17:26:36
2	Ni	231.604†	-5.9	13.0	-0.0033	mg/L	-0.0033	mg/L	17:26:36
2	P	214.914†	352.3	-0.6	0.0275	mg/L	0.0275	mg/L	17:26:36
2	Pb	220.353†	55.7	-4.0	-0.0042	mg/L	-0.0042	mg/L	17:26:36
2	Sb	206.836†	36.6	-1.3	-0.0023	mg/L	-0.0023	mg/L	17:26:36
2	Se	196.026†	3.9	3.7	0.0021	mg/L	0.0021	mg/L	17:26:36
2	Sn	189.927†	6.5	3.4	-0.0019	mg/L	-0.0019	mg/L	17:26:36
2	Ti	337.279†	-82.9	378.6	-0.0015	mg/L	-0.0015	mg/L	17:26:26
2	Tl	190.801†	2.5	0.4	-0.0042	mg/L	-0.0042	mg/L	17:26:36
2	V	292.402†	-641.1	60.5	-0.0018	mg/L	-0.0018	mg/L	17:26:26
2	Zn	213.857†	997.3	167.3	0.0007	mg/L	0.0007	mg/L	17:26:36

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2574994.8	1.04 mg/L	0.014			1.33%
Ag 328.068†	-173.3	-0.0030 mg/L	0.00031	-0.0030 mg/L	0.00031	10.18%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	36.4	-0.0031 mg/L	0.00066	-0.0031 mg/L	0.00066	21.35%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-0.0	0.0016 mg/L	0.00016	0.0016 mg/L	0.00016	10.28%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	0.7	0.0067 mg/L	0.00597	0.0067 mg/L	0.00597	89.65%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-1.7	0.0016 mg/L	0.00119	0.0016 mg/L	0.00119	72.63%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	-0.5	-0.0019 mg/L	0.00005	-0.0019 mg/L	0.00005	2.86%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	101.3	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	19.53%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	269.3	-0.0137 mg/L	0.00042	-0.0137 mg/L	0.00042	3.10%
QC value within limits for Ca 315.887 Recovery = Not calculated						

Cd	228.802†	-1.0	-0.0001 mg/L	0.00006	-0.0001 mg/L	0.00006	77.62%
	QC value within limits for Cd 228.802 Recovery = Not calculated						
Co	228.616†	0.2	-0.0027 mg/L	0.00002	-0.0027 mg/L	0.00002	0.73%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr	267.716†	-37.5	-0.0036 mg/L	0.00008	-0.0036 mg/L	0.00008	2.24%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu	324.752†	120.2	-0.0026 mg/L	0.00029	-0.0026 mg/L	0.00029	11.09%
	QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe	234.349†	7.3	0.0247 mg/L	0.00184	0.0247 mg/L	0.00184	7.45%
	QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated						
Fe	238.204†	469.8	-0.0077 mg/L	0.00034	-0.0077 mg/L	0.00034	4.36%
	QC value within limits for Fe 238.204 Recovery = Not calculated						
K	766.490†	-28.1	0.1821 mg/L	0.00594	0.1821 mg/L	0.00594	3.26%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li	670.784†	26.8	0.0014 mg/L	0.00054	0.0014 mg/L	0.00054	38.06%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	-4.5	-0.0382 mg/L	0.00210	-0.0382 mg/L	0.00210	5.50%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn	257.610†	-730.5	-0.0042 mg/L	0.00000	-0.0042 mg/L	0.00000	0.11%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	4.7	0.0000 mg/L	0.00021	0.0000 mg/L	0.00021	>999.9%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na	589.592†	-262.3	0.0584 mg/L	0.00043	0.0584 mg/L	0.00043	0.73%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	4.5	-0.0036 mg/L	0.00042	-0.0036 mg/L	0.00042	11.72%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-2.5	0.0264 mg/L	0.00166	0.0264 mg/L	0.00166	6.28%
	QC value greater than the upper limit for P 214.914 Recovery = Not calculated						
Pb	220.353†	6.0	-0.0034 mg/L	0.00122	-0.0034 mg/L	0.00122	36.20%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-3.6	-0.0043 mg/L	0.00282	-0.0043 mg/L	0.00282	66.23%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	5.0	0.0034 mg/L	0.00187	0.0034 mg/L	0.00187	55.12%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	3.0	-0.0020 mg/L	0.00013	-0.0020 mg/L	0.00013	6.78%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	4.4	0.0005 mg/L	0.00002	0.0005 mg/L	0.00002	3.33%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	364.5	-0.0015 mg/L	0.00003	-0.0015 mg/L	0.00003	1.84%
	QC value less than the lower limit for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	0.7	-0.0040 mg/L	0.00027	-0.0040 mg/L	0.00027	6.65%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	105.1	-0.0015 mg/L	0.00040	-0.0015 mg/L	0.00040	26.23%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	169.6	0.0007 mg/L	0.00004	0.0007 mg/L	0.00004	4.88%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

Sequence No.: 27
Sample ID: CJ20523-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 10/6/2012 5:28:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	900.7	848.6	0.4957 mg/L	0.4957 mg/L	0.4957 mg/L	17:29:57
1	Fe 234.349†	162481.8	153838.4	131.8 mg/L	131.8 mg/L	131.8 mg/L	17:29:55
1	K 766.490†	73927.8	69823.8	37.75 mg/L	37.75 mg/L	37.75 mg/L	17:29:55
1	Li 670.784†	20031.0	19140.2	0.5918 mg/L	0.5918 mg/L	0.5918 mg/L	17:29:57
1	Na 589.592†	152982.3	144688.2	23.77 mg/L	23.77 mg/L	23.77 mg/L	17:29:55
1	Sr 407.771†	207161.9	196003.4	0.2061 mg/L	0.2061 mg/L	0.2061 mg/L	17:29:55
1	Y 371.029	2616274.3	2616274.3	1.06 mg/L	1.06 mg/L	1.06 mg/L	17:30:09
1	Ag 328.068†	28364.2	25470.1	0.2254 mg/L	0.2254 mg/L	0.2254 mg/L	17:30:11
1	Al 237.313†	693692.3	656893.5	84.80 mg/L	84.80 mg/L	84.80 mg/L	17:30:09
1	As 188.979†	404.9	380.3	0.5304 mg/L	0.5304 mg/L	0.5304 mg/L	17:30:21
1	B 182.528†	253.4	237.3	0.4683 mg/L	0.4683 mg/L	0.4683 mg/L	17:30:21
1	Ba 233.527†	67761.3	64208.6	0.8863 mg/L	0.8863 mg/L	0.8863 mg/L	17:30:11
1	Be 313.107†	87763.2	83607.3	0.0498 mg/L	0.0498 mg/L	0.0498 mg/L	17:30:11
1	Ca 315.887†	4428468.4	4192582.6	39.48 mg/L	39.48 mg/L	39.48 mg/L	17:30:06

1	Cd	228.802†	6844.3	6417.1	0.2252	mg/L	0.2252	mg/L	17:30:21
1	Co	228.616†	20451.0	19427.2	0.4755	mg/L	0.4755	mg/L	17:30:11
1	Cr	267.716†	54190.5	50897.5	0.5579	mg/L	0.5579	mg/L	17:30:11
1	Cu	324.752†	135529.8	127082.1	0.7162	mg/L	0.7162	mg/L	17:30:11
1	Fe	238.204†	14552689.5	13777871.0	116.4	mg/L	116.4	mg/L	17:30:06
1	Mg	279.077†	270951.1	256393.0	22.59	mg/L	22.59	mg/L	17:30:09
1	Mn	257.610†	1939541.6	1835128.6	3.242	mg/L	3.242	mg/L	17:30:09
1	Mo	202.031†	9171.6	8656.2	0.4197	mg/L	0.4197	mg/L	17:30:21
1	Ni	231.604†	15410.0	14608.5	0.5146	mg/L	0.5146	mg/L	17:30:11
1	P	214.914†	23591.0	21992.6	13.41	mg/L	13.41	mg/L	17:30:11
1	Pb	220.353†	12564.2	11837.2	0.9924	mg/L	0.9924	mg/L	17:30:21
1	Sb	206.836†	602.6	533.8	0.3905	mg/L	0.3905	mg/L	17:30:21
1	Se	196.026†	882.7	835.7	0.8651	mg/L	0.8651	mg/L	17:30:21
1	Sn	189.927†	2011.9	1902.0	0.8128	mg/L	0.8128	mg/L	17:30:21
1	Ti	337.279†	3724808.9	3526990.8	4.989	mg/L	4.989	mg/L	17:30:09
1	Tl	190.801†	667.9	630.4	0.3507	mg/L	0.3507	mg/L	17:30:21
1	V	292.402†	115715.6	110239.0	0.6661	mg/L	0.6661	mg/L	17:30:11
1	Zn	213.857†	118018.0	110934.6	1.187	mg/L	1.187	mg/L	17:30:11
2	B	249.677†	883.1	832.2	0.4861	mg/L	0.4861	mg/L	17:30:01
2	Fe	234.349†	163648.4	154985.0	132.8	mg/L	132.8	mg/L	17:29:59
2	K	766.490†	74377.3	70268.4	37.99	mg/L	37.99	mg/L	17:29:59
2	Li	670.784†	19832.0	18956.9	0.5861	mg/L	0.5861	mg/L	17:30:01
2	Na	589.592†	153836.0	145536.0	23.91	mg/L	23.91	mg/L	17:29:59
2	Sr	407.771†	208311.9	197145.8	0.2073	mg/L	0.2073	mg/L	17:29:59
2	Y	371.029	2615564.0	2615564.0	1.06	mg/L	1.06	mg/L	17:30:27
2	Ag	328.068†	28368.2	25481.2	0.2256	mg/L	0.2256	mg/L	17:30:29
2	Al	237.313†	694123.7	657480.4	84.88	mg/L	84.88	mg/L	17:30:27
2	As	188.979†	404.5	380.1	0.5305	mg/L	0.5305	mg/L	17:30:40
2	B	182.528†	249.3	233.4	0.4609	mg/L	0.4609	mg/L	17:30:40
2	Ba	233.527†	68099.8	64546.7	0.8909	mg/L	0.8909	mg/L	17:30:29
2	Be	313.107†	87585.4	83461.5	0.0497	mg/L	0.0497	mg/L	17:30:29
2	Ca	315.887†	4381989.3	4149704.2	39.08	mg/L	39.08	mg/L	17:30:24
2	Cd	228.802†	6823.9	6399.6	0.2246	mg/L	0.2246	mg/L	17:30:40
2	Co	228.616†	20435.1	19417.5	0.4753	mg/L	0.4753	mg/L	17:30:29
2	Cr	267.716†	54487.2	51192.4	0.5611	mg/L	0.5611	mg/L	17:30:29
2	Cu	324.752†	135211.6	126815.6	0.7147	mg/L	0.7147	mg/L	17:30:29
2	Fe	238.204†	14429038.3	13664511.7	115.5	mg/L	115.5	mg/L	17:30:24
2	Mg	279.077†	271327.4	256819.1	22.62	mg/L	22.62	mg/L	17:30:27
2	Mn	257.610†	1941899.1	1837859.9	3.247	mg/L	3.247	mg/L	17:30:27
2	Mo	202.031†	9126.8	8616.2	0.4173	mg/L	0.4173	mg/L	17:30:40
2	Ni	231.604†	15419.0	14621.0	0.5151	mg/L	0.5151	mg/L	17:30:29
2	P	214.914†	23685.2	22087.8	13.47	mg/L	13.47	mg/L	17:30:29
2	Pb	220.353†	12513.9	11792.8	0.9886	mg/L	0.9886	mg/L	17:30:40
2	Sb	206.836†	587.0	519.1	0.3777	mg/L	0.3777	mg/L	17:30:40
2	Se	196.026†	883.8	836.9	0.8667	mg/L	0.8667	mg/L	17:30:40
2	Sn	189.927†	2010.3	1901.0	0.8155	mg/L	0.8155	mg/L	17:30:40
2	Ti	337.279†	3722855.6	3526098.6	4.988	mg/L	4.988	mg/L	17:30:27
2	Tl	190.801†	665.8	628.6	0.3489	mg/L	0.3489	mg/L	17:30:40
2	V	292.402†	115944.7	110485.6	0.6675	mg/L	0.6675	mg/L	17:30:29
2	Zn	213.857†	118329.9	111260.3	1.191	mg/L	1.191	mg/L	17:30:29

Mean Data: CJ20523-PDS1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2615919.1	1.06	mg/L	0.000				0.02%
Ag 328.068†	25475.6	0.2255	mg/L	0.00012	0.2255	mg/L	0.00012	0.05%
Al 237.313†	657187.0	84.84	mg/L	0.054	84.84	mg/L	0.054	0.06%
As 188.979†	380.2	0.5305	mg/L	0.00007	0.5305	mg/L	0.00007	0.01%
B 182.528†	235.3	0.4646	mg/L	0.00530	0.4646	mg/L	0.00530	1.14%
B 249.677†	840.4	0.4909	mg/L	0.00676	0.4909	mg/L	0.00676	1.38%
Ba 233.527†	64377.6	0.8886	mg/L	0.00331	0.8886	mg/L	0.00331	0.37%
Be 313.107†	83534.4	0.0498	mg/L	0.00006	0.0498	mg/L	0.00006	0.12%
Ca 315.887†	4171143.4	39.28	mg/L	0.286	39.28	mg/L	0.286	0.73%
Cd 228.802†	6408.3	0.2249	mg/L	0.00044	0.2249	mg/L	0.00044	0.20%
Co 228.616†	19422.3	0.4754	mg/L	0.00017	0.4754	mg/L	0.00017	0.04%
Cr 267.716†	51045.0	0.5595	mg/L	0.00229	0.5595	mg/L	0.00229	0.41%
Cu 324.752†	126948.9	0.7154	mg/L	0.00106	0.7154	mg/L	0.00106	0.15%
Fe 234.349†	154411.7	132.3	mg/L	0.70	132.3	mg/L	0.70	0.53%
Fe 238.204†	13721191.3	116.0	mg/L	0.68	116.0	mg/L	0.68	0.58%
K 766.490†	70046.1	37.87	mg/L	0.169	37.87	mg/L	0.169	0.45%
Li 670.784†	19048.5	0.5890	mg/L	0.00400	0.5890	mg/L	0.00400	0.68%
Mg 279.077†	256606.1	22.60	mg/L	0.027	22.60	mg/L	0.027	0.12%

Mn 257.610†	1836494.3	3.244 mg/L	0.0034	3.244 mg/L	0.0034	0.11%
Mo 202.031†	8636.2	0.4185 mg/L	0.00173	0.4185 mg/L	0.00173	0.41%
Na 589.592†	145112.1	23.84 mg/L	0.098	23.84 mg/L	0.098	0.41%
Ni 231.604†	14614.8	0.5149 mg/L	0.00031	0.5149 mg/L	0.00031	0.06%
P 214.914†	22040.2	13.44 mg/L	0.042	13.44 mg/L	0.042	0.31%
Pb 220.353†	11815.0	0.9905 mg/L	0.00273	0.9905 mg/L	0.00273	0.28%
Sb 206.836†	526.4	0.3841 mg/L	0.00903	0.3841 mg/L	0.00903	2.35%
Se 196.026†	836.3	0.8659 mg/L	0.00115	0.8659 mg/L	0.00115	0.13%
Sn 189.927†	1901.5	0.8142 mg/L	0.00187	0.8142 mg/L	0.00187	0.23%
Sr 407.771†	196574.6	0.2067 mg/L	0.00085	0.2067 mg/L	0.00085	0.41%
Ti 337.279†	3526544.7	4.988 mg/L	0.0009	4.988 mg/L	0.0009	0.02%
Tl 190.801†	629.5	0.3498 mg/L	0.00129	0.3498 mg/L	0.00129	0.37%
V 292.402†	110362.3	0.6668 mg/L	0.00096	0.6668 mg/L	0.00096	0.14%
Zn 213.857†	111097.4	1.189 mg/L	0.0025	1.189 mg/L	0.0025	0.21%

Sequence No.: 28
Sample ID: 1210148-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 10/6/2012 5:32:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210148-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	115.5	110.9	0.0670 mg/L		0.0670 mg/L	17:34:00
1	Fe 234.349†	228906.4	227943.7	195.2 mg/L		195.2 mg/L	17:33:58
1	K 766.490†	30300.8	30003.9	16.34 mg/L		16.34 mg/L	17:34:00
1	Li 670.784†	4884.1	5038.9	0.1562 mg/L		0.1562 mg/L	17:34:00
1	Na 589.592†	44753.3	44413.4	7.366 mg/L		7.366 mg/L	17:33:58
1	Sr 407.771†	881233.7	877374.7	0.9209 mg/L		0.9209 mg/L	17:33:58
1	Y 371.029	2487529.3	2487529.3	1.00 mg/L		1.00 mg/L	17:34:14
1	Ag 328.068†	-440.3	-1822.6	-0.0019 mg/L		-0.0019 mg/L	17:34:17
1	Al 237.313†	800628.9	797369.4	102.9 mg/L		102.9 mg/L	17:34:14
1	As 188.979†	36.1	33.0	0.1242 mg/L		0.1242 mg/L	17:34:27
1	B 182.528†	19.7	16.9	0.0384 mg/L		0.0384 mg/L	17:34:27
1	Ba 233.527†	69457.3	69217.9	0.9558 mg/L		0.9558 mg/L	17:34:17
1	Be 313.107†	11283.1	11751.2	0.0069 mg/L		0.0069 mg/L	17:34:17
1	Ca 315.887†	28961109.9	28838440.3	271.6 mg/L		271.6 mg/L	17:34:11
1	Cd 228.802†	213.7	150.0	0.0051 mg/L		0.0051 mg/L	17:34:27
1	Co 228.616†	3671.0	3720.3	0.0761 mg/L		0.0761 mg/L	17:34:27
1	Cr 267.716†	24475.6	23963.7	0.2607 mg/L		0.2607 mg/L	17:34:17
1	Cu 324.752†	122392.5	120641.5	0.6819 mg/L		0.6819 mg/L	17:34:17
1	Fe 238.204†	18476107.7	18397789.1	155.5 mg/L		155.5 mg/L	17:34:11
1	Mg 279.077†	500119.3	497868.7	43.88 mg/L		43.88 mg/L	17:34:14
1	Mn 257.610†	1980851.0	1971303.0	3.483 mg/L		3.483 mg/L	17:34:14
1	Mo 202.031†	735.0	704.8	-0.0239 mg/L		-0.0239 mg/L	17:34:27
1	Ni 231.604†	7378.9	7366.5	0.2573 mg/L		0.2573 mg/L	17:34:27
1	P 214.914†	10603.4	10215.8	6.553 mg/L		6.553 mg/L	17:34:27
1	Pb 220.353†	16998.7	16868.6	1.421 mg/L		1.421 mg/L	17:34:27
1	Sb 206.836†	91.2	54.0	-0.0421 mg/L		-0.0421 mg/L	17:34:27
1	Se 196.026†	-70.3	-70.0	0.0138 mg/L		0.0138 mg/L	17:34:27
1	Sn 189.927†	628.1	622.6	0.7092 mg/L		0.7092 mg/L	17:34:27
1	Ti 337.279†	5293025.1	5271092.5	7.457 mg/L		7.457 mg/L	17:34:14
1	Tl 190.801†	36.5	34.4	-0.1029 mg/L		-0.1029 mg/L	17:34:27
1	V 292.402†	58843.8	59277.9	0.3279 mg/L		0.3279 mg/L	17:34:17
1	Zn 213.857†	134422.6	133052.8	1.427 mg/L		1.427 mg/L	17:34:17
2	B 249.677†	119.0	116.1	0.0700 mg/L		0.0700 mg/L	17:34:04
2	Fe 234.349†	226819.8	229168.2	196.2 mg/L		196.2 mg/L	17:34:02
2	K 766.490†	30140.8	30283.4	16.49 mg/L		16.49 mg/L	17:34:04
2	Li 670.784†	4883.0	5108.9	0.1584 mg/L		0.1584 mg/L	17:34:04
2	Na 589.592†	44375.2	44683.0	7.410 mg/L		7.410 mg/L	17:34:02
2	Sr 407.771†	874602.3	883504.5	0.9273 mg/L		0.9273 mg/L	17:34:02
2	Y 371.029	2451684.1	2451684.1	0.990 mg/L		0.990 mg/L	17:34:35
2	Ag 328.068†	-373.0	-1761.0	-0.0013 mg/L		-0.0013 mg/L	17:34:37
2	Al 237.313†	783437.5	791656.6	102.2 mg/L		102.2 mg/L	17:34:35
2	As 188.979†	39.3	36.7	0.1293 mg/L		0.1293 mg/L	17:34:47
2	B 182.528†	19.2	16.8	0.0381 mg/L		0.0381 mg/L	17:34:47
2	Ba 233.527†	67898.1	68653.8	0.9480 mg/L		0.9480 mg/L	17:34:37
2	Be 313.107†	11172.3	11803.5	0.0069 mg/L		0.0069 mg/L	17:34:37
2	Ca 315.887†	28889781.8	29188014.3	274.9 mg/L		274.9 mg/L	17:34:31
2	Cd 228.802†	209.8	149.1	0.0050 mg/L		0.0050 mg/L	17:34:47

2	Co	228.616†	3678.5	3781.3	0.0777	mg/L	0.0777	mg/L	17:34:47
2	Cr	267.716†	23949.6	23788.6	0.2588	mg/L	0.2588	mg/L	17:34:37
2	Cu	324.752†	120253.5	120262.3	0.6797	mg/L	0.6797	mg/L	17:34:37
2	Fe	238.204†	18438569.2	18628852.8	157.4	mg/L	157.4	mg/L	17:34:31
2	Mg	279.077†	487822.1	492725.6	43.43	mg/L	43.43	mg/L	17:34:35
2	Mn	257.610†	1936959.6	1955797.0	3.455	mg/L	3.455	mg/L	17:34:35
2	Mo	202.031†	728.9	709.3	-0.0240	mg/L	-0.0240	mg/L	17:34:47
2	Ni	231.604†	7365.7	7460.5	0.2607	mg/L	0.2607	mg/L	17:34:47
2	P	214.914†	10662.7	10430.1	6.683	mg/L	6.683	mg/L	17:34:47
2	Pb	220.353†	16988.8	17106.1	1.442	mg/L	1.442	mg/L	17:34:47
2	Sb	206.836†	95.0	59.1	-0.0382	mg/L	-0.0382	mg/L	17:34:47
2	Se	196.026†	-60.1	-60.8	0.0232	mg/L	0.0232	mg/L	17:34:47
2	Sn	189.927†	631.2	634.9	0.7151	mg/L	0.7151	mg/L	17:34:47
2	Ti	337.279†	5181467.1	5235442.4	7.406	mg/L	7.406	mg/L	17:34:35
2	Tl	190.801†	34.5	32.9	-0.1045	mg/L	-0.1045	mg/L	17:34:47
2	V	292.402†	57674.6	58953.3	0.3257	mg/L	0.3257	mg/L	17:34:37
2	Zn	213.857†	131500.3	132057.3	1.416	mg/L	1.416	mg/L	17:34:37

Mean Data: 1210148-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2469606.7	0.997 mg/L	0.0102			1.03%
Ag 328.068†	-1791.8	-0.0016 mg/L	0.00043	-0.0016 mg/L	0.00043	26.42%
Al 237.313†	794513.0	102.6 mg/L	0.52	102.6 mg/L	0.52	0.51%
As 188.979†	34.8	0.1268 mg/L	0.00355	0.1268 mg/L	0.00355	2.80%
B 182.528†	16.9	0.0382 mg/L	0.00022	0.0382 mg/L	0.00022	0.59%
B 249.677†	113.5	0.0685 mg/L	0.00213	0.0685 mg/L	0.00213	3.11%
Ba 233.527†	68935.8	0.9519 mg/L	0.00552	0.9519 mg/L	0.00552	0.58%
Be 313.107†	11777.3	0.0069 mg/L	0.00002	0.0069 mg/L	0.00002	0.32%
Ca 315.887†	29013227.3	273.3 mg/L	2.33	273.3 mg/L	2.33	0.85%
Cd 228.802†	149.6	0.0050 mg/L	0.00004	0.0050 mg/L	0.00004	0.74%
Co 228.616†	3750.8	0.0769 mg/L	0.00115	0.0769 mg/L	0.00115	1.50%
Cr 267.716†	23876.2	0.2598 mg/L	0.00136	0.2598 mg/L	0.00136	0.52%
Cu 324.752†	120451.9	0.6808 mg/L	0.00154	0.6808 mg/L	0.00154	0.23%
Fe 234.349†	228556.0	195.7 mg/L	0.74	195.7 mg/L	0.74	0.38%
Fe 238.204†	18513320.9	156.5 mg/L	1.38	156.5 mg/L	1.38	0.88%
K 766.490†	30143.6	16.41 mg/L	0.106	16.41 mg/L	0.106	0.65%
Li 670.784†	5073.9	0.1573 mg/L	0.00153	0.1573 mg/L	0.00153	0.97%
Mg 279.077†	495297.1	43.66 mg/L	0.321	43.66 mg/L	0.321	0.73%
Mn 257.610†	1963550.0	3.469 mg/L	0.0194	3.469 mg/L	0.0194	0.56%
Mo 202.031†	707.0	-0.0240 mg/L	0.00006	-0.0240 mg/L	0.00006	0.25%
Na 589.592†	44548.2	7.388 mg/L	0.0312	7.388 mg/L	0.0312	0.42%
Ni 231.604†	7413.5	0.2590 mg/L	0.00236	0.2590 mg/L	0.00236	0.91%
P 214.914†	10323.0	6.618 mg/L	0.0919	6.618 mg/L	0.0919	1.39%
Pb 220.353†	16987.4	1.432 mg/L	0.0146	1.432 mg/L	0.0146	1.02%
Sb 206.836†	56.6	-0.0402 mg/L	0.00274	-0.0402 mg/L	0.00274	6.81%
Se 196.026†	-65.4	0.0185 mg/L	0.00662	0.0185 mg/L	0.00662	35.75%
Sn 189.927†	628.7	0.7122 mg/L	0.00413	0.7122 mg/L	0.00413	0.58%
Sr 407.771†	880439.6	0.9241 mg/L	0.00455	0.9241 mg/L	0.00455	0.49%
Ti 337.279†	5253267.4	7.432 mg/L	0.0357	7.432 mg/L	0.0357	0.48%
Tl 190.801†	33.6	-0.1037 mg/L	0.00111	-0.1037 mg/L	0.00111	1.07%
V 292.402†	59115.6	0.3268 mg/L	0.00156	0.3268 mg/L	0.00156	0.48%
Zn 213.857†	132555.1	1.421 mg/L	0.0076	1.421 mg/L	0.0076	0.53%

Sequence No.: 29
Sample ID: 1210148-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 10/6/2012 5:36:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210148-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	335.8	316.4	0.1863 mg/L	0.1863 mg/L	17:38:08
1	Fe 234.349†	514842.5	491500.7	421.3 mg/L	421.3 mg/L	17:38:06
1	K 766.490†	127570.9	121617.0	65.61 mg/L	65.61 mg/L	17:38:06
1	Li 670.784†	20341.2	19594.2	0.6058 mg/L	0.6058 mg/L	17:38:08
1	Na 589.592†	213681.1	203840.3	33.44 mg/L	33.44 mg/L	17:38:06
1	Sr 407.771†	364557.1	347893.9	0.3654 mg/L	0.3654 mg/L	17:38:06
1	Y 371.029	2594671.9	2594671.9	1.05 mg/L		17:38:23

1	Ag	328.068†	-1905.1	-3203.0	0.0038	mg/L	0.0038	mg/L	17:38:25
1	Al	237.313†	2140691.9	2043741.0	263.8	mg/L	263.8	mg/L	17:38:23
1	As	188.979†	119.1	110.7	0.3155	mg/L	0.3155	mg/L	17:38:36
1	B	182.528†	107.9	100.4	0.2012	mg/L	0.2012	mg/L	17:38:36
1	Ba	233.527†	59584.2	56936.5	0.7856	mg/L	0.7856	mg/L	17:38:25
1	Be	313.107†	18007.0	17706.2	0.0105	mg/L	0.0105	mg/L	17:38:25
1	Ca	315.887†	6691343.5	6387745.8	60.16	mg/L	60.16	mg/L	17:38:20
1	Cd	228.802†	206.0	133.8	0.0040	mg/L	0.0040	mg/L	17:38:36
1	Co	228.616†	7503.2	7227.8	0.1477	mg/L	0.1477	mg/L	17:38:36
1	Cr	267.716†	48844.8	46221.4	0.5058	mg/L	0.5058	mg/L	17:38:25
1	Cu	324.752†	201642.5	191264.9	1.086	mg/L	1.086	mg/L	17:38:25
1	Fe	238.204†	35171582.5	33576428.2	283.8	mg/L	283.8	mg/L	17:38:20
1	Mg	279.077†	1382528.5	1319697.3	116.4	mg/L	116.4	mg/L	17:38:23
1	Mn	257.610†	3657000.9	3489991.2	6.168	mg/L	6.168	mg/L	17:38:23
1	Mo	202.031†	540.9	489.3	-0.1060	mg/L	-0.1060	mg/L	17:38:36
1	Ni	231.604†	10114.0	9674.2	0.3391	mg/L	0.3391	mg/L	17:38:36
1	P	214.914†	20061.7	18809.2	12.19	mg/L	12.19	mg/L	17:38:36
1	Pb	220.353†	7818.0	7405.3	0.5606	mg/L	0.5606	mg/L	17:38:36
1	Sb	206.836†	124.0	81.5	-0.1188	mg/L	-0.1188	mg/L	17:38:36
1	Se	196.026†	-116.7	-111.4	0.0699	mg/L	0.0699	mg/L	17:38:36
1	Sn	189.927†	-144.7	-141.0	1.197	mg/L	1.197	mg/L	17:38:36
1	Ti	337.279†	11716253.5	11185391.8	15.83	mg/L	15.83	mg/L	17:38:20
1	Tl	190.801†	24.9	21.7	-0.2528	mg/L	-0.2528	mg/L	17:38:36
1	V	292.402†	126770.4	121704.6	0.6708	mg/L	0.6708	mg/L	17:38:25
1	Zn	213.857†	109855.0	104072.0	1.114	mg/L	1.114	mg/L	17:38:25
2	B	249.677†	335.7	316.1	0.1862	mg/L	0.1862	mg/L	17:38:13
2	Fe	234.349†	513781.6	490141.5	420.1	mg/L	420.1	mg/L	17:38:10
2	K	766.490†	127477.4	121441.8	65.52	mg/L	65.52	mg/L	17:38:10
2	Li	670.784†	20298.4	19539.7	0.6042	mg/L	0.6042	mg/L	17:38:13
2	Na	589.592†	213456.8	203482.3	33.39	mg/L	33.39	mg/L	17:38:10
2	Sr	407.771†	364032.5	347147.6	0.3646	mg/L	0.3646	mg/L	17:38:10
2	Y	371.029	2596505.6	2596505.6	1.05	mg/L	1.05	mg/L	17:38:44
2	Ag	328.068†	-2067.9	-3356.9	0.0024	mg/L	0.0024	mg/L	17:38:46
2	Al	237.313†	2145876.7	2047244.0	264.3	mg/L	264.3	mg/L	17:38:44
2	As	188.979†	133.9	124.7	0.3324	mg/L	0.3324	mg/L	17:38:57
2	B	182.528†	105.8	98.3	0.1972	mg/L	0.1972	mg/L	17:38:57
2	Ba	233.527†	60577.1	57843.6	0.7981	mg/L	0.7981	mg/L	17:38:46
2	Be	313.107†	18338.7	18010.6	0.0106	mg/L	0.0106	mg/L	17:38:46
2	Ca	315.887†	6770646.4	6458887.6	60.83	mg/L	60.83	mg/L	17:38:41
2	Cd	228.802†	209.8	137.3	0.0041	mg/L	0.0041	mg/L	17:38:57
2	Co	228.616†	7590.0	7305.5	0.1494	mg/L	0.1494	mg/L	17:38:57
2	Cr	267.716†	49714.6	47018.2	0.5146	mg/L	0.5146	mg/L	17:38:46
2	Cu	324.752†	204686.0	194032.4	1.102	mg/L	1.102	mg/L	17:38:46
2	Fe	238.204†	35526962.6	33891740.3	286.4	mg/L	286.4	mg/L	17:38:41
2	Mg	279.077†	1388724.0	1324675.5	116.8	mg/L	116.8	mg/L	17:38:44
2	Mn	257.610†	3673305.8	3503080.2	6.191	mg/L	6.191	mg/L	17:38:44
2	Mo	202.031†	549.5	497.1	-0.1052	mg/L	-0.1052	mg/L	17:38:57
2	Ni	231.604†	10141.6	9693.6	0.3398	mg/L	0.3398	mg/L	17:38:57
2	P	214.914†	20153.7	18883.5	12.23	mg/L	12.23	mg/L	17:38:57
2	Pb	220.353†	7866.5	7446.3	0.5640	mg/L	0.5640	mg/L	17:38:57
2	Sb	206.836†	127.8	85.1	-0.1153	mg/L	-0.1153	mg/L	17:38:57
2	Se	196.026†	-94.5	-90.3	0.0900	mg/L	0.0900	mg/L	17:38:57
2	Sn	189.927†	-176.6	-171.4	1.187	mg/L	1.187	mg/L	17:38:57
2	Ti	337.279†	11802818.6	11260073.9	15.93	mg/L	15.93	mg/L	17:38:41
2	Tl	190.801†	25.3	22.1	-0.2521	mg/L	-0.2521	mg/L	17:38:57
2	V	292.402†	129190.2	123927.5	0.6849	mg/L	0.6849	mg/L	17:38:46
2	Zn	213.857†	112114.5	106153.5	1.136	mg/L	1.136	mg/L	17:38:46

Mean Data: 1210148-02

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2595588.7	1.05	mg/L	0.001				0.05%
Ag 328.068†	-3279.9	0.0031	mg/L	0.00099	0.0031	mg/L	0.00099	31.86%
Al 237.313†	2045492.5	264.1	mg/L	0.32	264.1	mg/L	0.32	0.12%
As 188.979†	117.7	0.3239	mg/L	0.01198	0.3239	mg/L	0.01198	3.70%
B 182.528†	99.3	0.1992	mg/L	0.00281	0.1992	mg/L	0.00281	1.41%
B 249.677†	316.3	0.1863	mg/L	0.00012	0.1863	mg/L	0.00012	0.06%
Ba 233.527†	57390.1	0.7919	mg/L	0.00887	0.7919	mg/L	0.00887	1.12%
Be 313.107†	17858.4	0.0106	mg/L	0.00013	0.0106	mg/L	0.00013	1.22%
Ca 315.887†	6423316.7	60.50	mg/L	0.474	60.50	mg/L	0.474	0.78%
Cd 228.802†	135.6	0.0041	mg/L	0.00003	0.0041	mg/L	0.00003	0.81%
Co 228.616†	7266.7	0.1486	mg/L	0.00123	0.1486	mg/L	0.00123	0.83%

Cr 267.716†	46619.8	0.5102 mg/L	0.00621	0.5102 mg/L	0.00621	1.22%
Cu 324.752†	192648.7	1.094 mg/L	0.0111	1.094 mg/L	0.0111	1.01%
Fe 234.349†	490821.1	420.7 mg/L	0.82	420.7 mg/L	0.82	0.20%
Fe 238.204†	33734084.2	285.1 mg/L	1.88	285.1 mg/L	1.88	0.66%
K 766.490†	121529.4	65.56 mg/L	0.067	65.56 mg/L	0.067	0.10%
Li 670.784†	19567.0	0.6050 mg/L	0.00119	0.6050 mg/L	0.00119	0.20%
Mg 279.077†	1322186.4	116.6 mg/L	0.31	116.6 mg/L	0.31	0.27%
Mn 257.610†	3496535.7	6.179 mg/L	0.0164	6.179 mg/L	0.0164	0.26%
Mo 202.031†	493.2	-0.1056 mg/L	0.00054	-0.1056 mg/L	0.00054	0.51%
Na 589.592†	203661.3	33.41 mg/L	0.041	33.41 mg/L	0.041	0.12%
Ni 231.604†	9683.9	0.3394 mg/L	0.00049	0.3394 mg/L	0.00049	0.14%
P 214.914†	18846.3	12.21 mg/L	0.029	12.21 mg/L	0.029	0.24%
Pb 220.353†	7425.8	0.5623 mg/L	0.00239	0.5623 mg/L	0.00239	0.42%
Sb 206.836†	83.3	-0.1171 mg/L	0.00252	-0.1171 mg/L	0.00252	2.15%
Se 196.026†	-100.8	0.0799 mg/L	0.01418	0.0799 mg/L	0.01418	17.74%
Sn 189.927†	-156.2	1.192 mg/L	0.0073	1.192 mg/L	0.0073	0.61%
Sr 407.771†	347520.7	0.3650 mg/L	0.00055	0.3650 mg/L	0.00055	0.15%
Ti 337.279†	11222732.8	15.88 mg/L	0.075	15.88 mg/L	0.075	0.47%
Tl 190.801†	21.9	-0.2524 mg/L	0.00052	-0.2524 mg/L	0.00052	0.21%
V 292.402†	122816.0	0.6778 mg/L	0.00998	0.6778 mg/L	0.00998	1.47%
Zn 213.857†	105112.7	1.125 mg/L	0.0158	1.125 mg/L	0.0158	1.40%

Sequence No.: 30
Sample ID: 1210148-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 10/6/2012 5:40:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210148-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	749.6	707.0	0.4138	mg/L	0.4138	mg/L	17:42:21
1	Fe 234.349†	515520.3	489135.2	419.2	mg/L	419.2	mg/L	17:42:19
1	K 766.490†	154685.1	146597.7	79.05	mg/L	79.05	mg/L	17:42:19
1	Li 670.784†	21061.6	20158.9	0.6233	mg/L	0.6233	mg/L	17:42:21
1	Na 589.592†	419372.9	397753.5	65.16	mg/L	65.16	mg/L	17:42:19
1	Sr 407.771†	427268.4	405264.4	0.4256	mg/L	0.4256	mg/L	17:42:19
1	Y 371.029	2610652.2	2610652.2	1.05	mg/L			17:42:36
1	Ag 328.068†	-1915.9	-3202.0	0.0037	mg/L	0.0037	mg/L	17:42:36
1	Al 237.313†	2161759.2	2051220.5	264.8	mg/L	264.8	mg/L	17:42:36
1	As 188.979†	130.0	120.3	0.3265	mg/L	0.3265	mg/L	17:42:47
1	B 182.528†	151.5	141.1	0.2807	mg/L	0.2807	mg/L	17:42:47
1	Ba 233.527†	52370.8	49744.2	0.6861	mg/L	0.6861	mg/L	17:42:36
1	Be 313.107†	20436.8	19906.4	0.0118	mg/L	0.0118	mg/L	17:42:36
1	Ca 315.887†	6375430.0	6048903.1	56.97	mg/L	56.97	mg/L	17:42:33
1	Cd 228.802†	241.7	166.5	0.0052	mg/L	0.0052	mg/L	17:42:47
1	Co 228.616†	6435.6	6171.0	0.1181	mg/L	0.1181	mg/L	17:42:47
1	Cr 267.716†	51131.3	48105.4	0.5266	mg/L	0.5266	mg/L	17:42:36
1	Cu 324.752†	46348.3	42742.3	0.2511	mg/L	0.2511	mg/L	17:42:36
1	Fe 238.204†	35059303.6	33264368.4	281.1	mg/L	281.1	mg/L	17:42:33
1	Mg 279.077†	1391040.1	1319694.2	116.4	mg/L	116.4	mg/L	17:42:36
1	Mn 257.610†	2685444.8	2546801.6	4.500	mg/L	4.500	mg/L	17:42:36
1	Mo 202.031†	1195.2	1106.9	-0.0718	mg/L	-0.0718	mg/L	17:42:47
1	Ni 231.604†	9352.1	8892.2	0.3114	mg/L	0.3114	mg/L	17:42:47
1	P 214.914†	16665.0	15469.1	10.22	mg/L	10.22	mg/L	17:42:47
1	Pb 220.353†	2902.6	2695.9	0.1548	mg/L	0.1548	mg/L	17:42:47
1	Sb 206.836†	120.3	77.4	-0.1214	mg/L	-0.1214	mg/L	17:42:47
1	Se 196.026†	-96.6	-91.8	0.0881	mg/L	0.0881	mg/L	17:42:47
1	Sn 189.927†	-287.5	-275.7	1.161	mg/L	1.161	mg/L	17:42:47
1	Ti 337.279†	12950490.3	12287979.6	17.39	mg/L	17.39	mg/L	17:42:33
1	Tl 190.801†	19.5	16.5	-0.2575	mg/L	-0.2575	mg/L	17:42:47
1	V 292.402†	130489.4	124492.4	0.6877	mg/L	0.6877	mg/L	17:42:36
1	Zn 213.857†	88266.1	82946.4	0.8885	mg/L	0.8885	mg/L	17:42:36
2	B 249.677†	715.7	677.8	0.3968	mg/L	0.3968	mg/L	17:42:25
2	Fe 234.349†	518096.9	493642.6	423.1	mg/L	423.1	mg/L	17:42:23
2	K 766.490†	155538.5	148026.6	79.82	mg/L	79.82	mg/L	17:42:23
2	Li 670.784†	20196.1	19418.1	0.6004	mg/L	0.6004	mg/L	17:42:25
2	Na 589.592†	420733.2	400719.2	65.65	mg/L	65.65	mg/L	17:42:23
2	Sr 407.771†	428736.2	408364.0	0.4288	mg/L	0.4288	mg/L	17:42:23
2	Y 371.029	2599743.6	2599743.6	1.05	mg/L			17:42:55
2	Ag 328.068†	-1877.7	-3173.3	0.0042	mg/L	0.0042	mg/L	17:42:55

2	Al 237.313†	2149845.2	2048475.4	264.5	mg/L	264.5	mg/L	17:42:55
2	As 188.979†	137.0	127.5	0.3371	mg/L	0.3371	mg/L	17:43:06
2	B 182.528†	156.5	146.5	0.2913	mg/L	0.2913	mg/L	17:43:06
2	Ba 233.527†	52323.4	49907.6	0.6883	mg/L	0.6883	mg/L	17:42:55
2	Be 313.107†	20373.9	19927.9	0.0118	mg/L	0.0118	mg/L	17:42:55
2	Ca 315.887†	6300998.7	6003367.8	56.54	mg/L	56.54	mg/L	17:42:52
2	Cd 228.802†	238.0	163.9	0.0050	mg/L	0.0050	mg/L	17:43:06
2	Co 228.616†	6523.4	6280.3	0.1210	mg/L	0.1210	mg/L	17:43:06
2	Cr 267.716†	50798.1	47991.5	0.5254	mg/L	0.5254	mg/L	17:42:55
2	Cu 324.752†	46227.1	42811.4	0.2514	mg/L	0.2514	mg/L	17:42:55
2	Fe 238.204†	34753808.5	33112874.8	279.9	mg/L	279.9	mg/L	17:42:52
2	Mg 279.077†	1385482.0	1319936.5	116.4	mg/L	116.4	mg/L	17:42:55
2	Mn 257.610†	2673258.4	2545881.9	4.499	mg/L	4.499	mg/L	17:42:55
2	Mo 202.031†	1196.4	1112.8	-0.0727	mg/L	-0.0727	mg/L	17:43:06
2	Ni 231.604†	9423.3	8997.2	0.3151	mg/L	0.3151	mg/L	17:43:06
2	P 214.914†	16830.4	15693.1	10.36	mg/L	10.36	mg/L	17:43:06
2	Pb 220.353†	2839.1	2647.0	0.1507	mg/L	0.1507	mg/L	17:43:06
2	Sb 206.836†	116.8	74.4	-0.1256	mg/L	-0.1256	mg/L	17:43:06
2	Se 196.026†	-103.6	-98.7	0.0830	mg/L	0.0830	mg/L	17:43:06
2	Sn 189.927†	-315.9	-303.8	1.166	mg/L	1.166	mg/L	17:43:06
2	Ti 337.279†	12832966.6	12227563.1	17.30	mg/L	17.30	mg/L	17:42:52
2	Tl 190.801†	25.7	22.4	-0.2554	mg/L	-0.2554	mg/L	17:43:06
2	V 292.402†	129825.3	124379.1	0.6863	mg/L	0.6863	mg/L	17:42:55
2	Zn 213.857†	87751.7	82807.7	0.8870	mg/L	0.8870	mg/L	17:42:55

Mean Data: 1210148-03

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2605197.9	1.05	mg/L	0.003				0.30%
Ag 328.068†	-3187.6	0.0039	mg/L	0.00038	0.0039	mg/L	0.00038	9.76%
Al 237.313†	2049848.0	264.6	mg/L	0.25	264.6	mg/L	0.25	0.09%
As 188.979†	123.9	0.3318	mg/L	0.00748	0.3318	mg/L	0.00748	2.25%
B 182.528†	143.8	0.2860	mg/L	0.00745	0.2860	mg/L	0.00745	2.61%
B 249.677†	692.4	0.4053	mg/L	0.01205	0.4053	mg/L	0.01205	2.97%
Ba 233.527†	49825.9	0.6872	mg/L	0.00160	0.6872	mg/L	0.00160	0.23%
Be 313.107†	19917.2	0.0118	mg/L	0.00001	0.0118	mg/L	0.00001	0.08%
Ca 315.887†	6026135.4	56.76	mg/L	0.303	56.76	mg/L	0.303	0.53%
Cd 228.802†	165.2	0.0051	mg/L	0.00009	0.0051	mg/L	0.00009	1.83%
Co 228.616†	6225.6	0.1196	mg/L	0.00206	0.1196	mg/L	0.00206	1.72%
Cr 267.716†	48048.5	0.5260	mg/L	0.00089	0.5260	mg/L	0.00089	0.17%
Cu 324.752†	42776.9	0.2512	mg/L	0.00023	0.2512	mg/L	0.00023	0.09%
Fe 234.349†	491388.9	421.2	mg/L	2.73	421.2	mg/L	2.73	0.65%
Fe 238.204†	33188621.6	280.5	mg/L	0.91	280.5	mg/L	0.91	0.32%
K 766.490†	147312.1	79.43	mg/L	0.543	79.43	mg/L	0.543	0.68%
Li 670.784†	19788.5	0.6118	mg/L	0.01618	0.6118	mg/L	0.01618	2.64%
Mg 279.077†	1319815.3	116.4	mg/L	0.02	116.4	mg/L	0.02	0.01%
Mn 257.610†	2546341.7	4.499	mg/L	0.0011	4.499	mg/L	0.0011	0.03%
Mo 202.031†	1109.9	-0.0723	mg/L	0.00063	-0.0723	mg/L	0.00063	0.87%
Na 589.592†	399236.3	65.41	mg/L	0.343	65.41	mg/L	0.343	0.52%
Ni 231.604†	8944.7	0.3133	mg/L	0.00263	0.3133	mg/L	0.00263	0.84%
P 214.914†	15581.1	10.29	mg/L	0.101	10.29	mg/L	0.101	0.98%
Pb 220.353†	2671.4	0.1527	mg/L	0.00291	0.1527	mg/L	0.00291	1.91%
Sb 206.836†	75.9	-0.1235	mg/L	0.00295	-0.1235	mg/L	0.00295	2.39%
Se 196.026†	-95.2	0.0856	mg/L	0.00363	0.0856	mg/L	0.00363	4.24%
Sn 189.927†	-289.7	1.163	mg/L	0.0035	1.163	mg/L	0.0035	0.30%
Sr 407.771†	406814.2	0.4272	mg/L	0.00230	0.4272	mg/L	0.00230	0.54%
Ti 337.279†	12257771.3	17.34	mg/L	0.060	17.34	mg/L	0.060	0.35%
Tl 190.801†	19.5	-0.2564	mg/L	0.00148	-0.2564	mg/L	0.00148	0.58%
V 292.402†	124435.7	0.6870	mg/L	0.00097	0.6870	mg/L	0.00097	0.14%
Zn 213.857†	82877.0	0.8878	mg/L	0.00107	0.8878	mg/L	0.00107	0.12%

Sequence No.: 31

Sample ID: CJ20511-BLK1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 33

Date Collected: 10/6/2012 5:44:44 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20511-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
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1	B 249.677†	135.6	142.7	0.0857 mg/L	0.0857 mg/L	17:46:48
1	Fe 234.349†	65.6	76.8	0.0834 mg/L	0.0834 mg/L	17:46:48
1	K 766.490†	1102.2	1025.0	0.7485 mg/L	0.7485 mg/L	17:46:38
1	Li 670.784†	-171.2	-9.9	0.0003 mg/L	0.0003 mg/L	17:46:38
1	Na 589.592†	8130329.1	8805495.4	1440 mg/L	1440 mg/L	17:46:28
1	Sr 407.771†	1153.6	1118.4	0.0016 mg/L	0.0016 mg/L	17:46:38
1	Y 371.029	2287041.1	2287041.1	0.923 mg/L		17:47:15
1	Ag 328.068†	1239.1	-42.2	-0.0019 mg/L	-0.0019 mg/L	17:47:17
1	Al 237.313†	101.1	237.0	0.0228 mg/L	0.0228 mg/L	17:47:28
1	As 188.979†	1.1	-1.8	-0.0006 mg/L	-0.0006 mg/L	17:47:28
1	B 182.528†	35.0	35.2	0.0741 mg/L	0.0741 mg/L	17:47:28
1	Ba 233.527†	831.3	954.7	0.0113 mg/L	0.0113 mg/L	17:47:28
1	Be 313.107†	-411.1	70.6	-0.0001 mg/L	-0.0001 mg/L	17:47:17
1	Ca 315.887†	90038.6	97365.6	0.9010 mg/L	0.9010 mg/L	17:47:17
1	Cd 228.802†	68.7	11.6	0.0004 mg/L	0.0004 mg/L	17:47:28
1	Co 228.616†	-65.5	-6.0	-0.0029 mg/L	-0.0029 mg/L	17:47:28
1	Cr 267.716†	448.8	77.7	-0.0024 mg/L	-0.0024 mg/L	17:47:17
1	Cu 324.752†	1616.0	517.0	-0.0004 mg/L	-0.0004 mg/L	17:47:17
1	Fe 238.204†	5473.0	5770.9	0.0371 mg/L	0.0371 mg/L	17:47:17
1	Mg 279.077†	1478.4	1466.2	0.0915 mg/L	0.0915 mg/L	17:47:17
1	Mn 257.610†	2849.1	1917.5	0.0005 mg/L	0.0005 mg/L	17:47:28
1	Mo 202.031†	-24.8	-53.9	-0.0031 mg/L	-0.0031 mg/L	17:47:28
1	Ni 231.604†	87.0	113.1	0.0002 mg/L	0.0002 mg/L	17:47:28
1	P 214.914†	338.2	23.6	0.0420 mg/L	0.0420 mg/L	17:47:28
1	Pb 220.353†	62.4	9.4	-0.0031 mg/L	-0.0031 mg/L	17:47:28
1	Sb 206.836†	34.9	1.1	-0.0003 mg/L	-0.0003 mg/L	17:47:28
1	Se 196.026†	10.6	11.5	0.0096 mg/L	0.0096 mg/L	17:47:28
1	Sn 189.927†	-11.7	-15.5	-0.0060 mg/L	-0.0060 mg/L	17:47:28
1	Ti 337.279†	1275.5	1840.6	0.0005 mg/L	0.0005 mg/L	17:47:17
1	Tl 190.801†	-1.4	-3.5	-0.0069 mg/L	-0.0069 mg/L	17:47:28
1	V 292.402†	-607.9	24.7	-0.0020 mg/L	-0.0020 mg/L	17:47:17
1	Zn 213.857†	1797.5	1145.6	0.0112 mg/L	0.0112 mg/L	17:47:28
2	B 249.677†	133.7	139.8	0.0840 mg/L	0.0840 mg/L	17:47:12
2	Fe 234.349†	45.1	54.4	0.0642 mg/L	0.0642 mg/L	17:47:12
2	K 766.490†	1113.0	1029.6	0.7510 mg/L	0.7510 mg/L	17:47:01
2	Li 670.784†	-150.4	13.5	0.0010 mg/L	0.0010 mg/L	17:47:01
2	Na 589.592†	8224502.7	8855104.3	1449 mg/L	1449 mg/L	17:46:51
2	Sr 407.771†	1150.7	1108.0	0.0016 mg/L	0.0016 mg/L	17:47:01
2	Y 371.029	2300571.0	2300571.0	0.929 mg/L		17:47:30
2	Ag 328.068†	1307.6	23.7	-0.0013 mg/L	-0.0013 mg/L	17:47:32
2	Al 237.313†	103.9	239.4	0.0231 mg/L	0.0231 mg/L	17:47:42
2	As 188.979†	7.5	5.1	0.0080 mg/L	0.0080 mg/L	17:47:42
2	B 182.528†	30.5	30.2	0.0643 mg/L	0.0643 mg/L	17:47:42
2	Ba 233.527†	829.5	947.6	0.0112 mg/L	0.0112 mg/L	17:47:42
2	Be 313.107†	-441.1	41.0	-0.0001 mg/L	-0.0001 mg/L	17:47:32
2	Ca 315.887†	91190.9	98032.7	0.9073 mg/L	0.9073 mg/L	17:47:32
2	Cd 228.802†	67.9	10.2	0.0003 mg/L	0.0003 mg/L	17:47:42
2	Co 228.616†	-56.2	4.4	-0.0026 mg/L	-0.0026 mg/L	17:47:42
2	Cr 267.716†	479.1	107.5	-0.0020 mg/L	-0.0020 mg/L	17:47:32
2	Cu 324.752†	1624.8	516.2	-0.0004 mg/L	-0.0004 mg/L	17:47:32
2	Fe 238.204†	5381.2	5637.2	0.0359 mg/L	0.0359 mg/L	17:47:32
2	Mg 279.077†	1517.6	1499.0	0.0944 mg/L	0.0944 mg/L	17:47:32
2	Mn 257.610†	2744.8	1787.1	0.0003 mg/L	0.0003 mg/L	17:47:42
2	Mo 202.031†	-45.2	-75.8	-0.0043 mg/L	-0.0043 mg/L	17:47:42
2	Ni 231.604†	82.5	107.6	0.0000 mg/L	0.0000 mg/L	17:47:42
2	P 214.914†	338.7	22.0	0.0410 mg/L	0.0410 mg/L	17:47:42
2	Pb 220.353†	78.6	26.5	-0.0016 mg/L	-0.0016 mg/L	17:47:42
2	Sb 206.836†	34.2	0.1	-0.0011 mg/L	-0.0011 mg/L	17:47:42
2	Se 196.026†	4.1	4.3	0.0027 mg/L	0.0027 mg/L	17:47:42
2	Sn 189.927†	-12.0	-15.7	-0.0061 mg/L	-0.0061 mg/L	17:47:42
2	Ti 337.279†	1152.5	1700.0	0.0003 mg/L	0.0003 mg/L	17:47:32
2	Tl 190.801†	4.7	3.0	-0.0024 mg/L	-0.0024 mg/L	17:47:42
2	V 292.402†	-609.8	26.5	-0.0020 mg/L	-0.0020 mg/L	17:47:32
2	Zn 213.857†	1793.1	1129.4	0.0110 mg/L	0.0110 mg/L	17:47:42

Mean Data: CJ20511-BLK1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2293806.0	0.926 mg/L	0.0039			0.42%
Ag 328.068†	-9.2	-0.0016 mg/L	0.00040	-0.0016 mg/L	0.00040	24.76%
Al 237.313†	238.2	0.0230 mg/L	0.00022	0.0230 mg/L	0.00022	0.95%
As 188.979†	1.7	0.0037 mg/L	0.00605	0.0037 mg/L	0.00605	162.43%

2	Fe 234.349†	2973.0	3291.0	2.827 mg/L	2.827 mg/L	17:51:33
2	K 766.490†	55461.8	61117.8	33.07 mg/L	33.07 mg/L	17:51:22
2	Li 670.784†	19326.9	21532.1	0.6657 mg/L	0.6657 mg/L	17:51:22
2	Na 589.592†	8427711.6	9312657.7	1523 mg/L	1523 mg/L	17:51:20
2	Sr 407.771†	45531.7	50182.6	0.0531 mg/L	0.0531 mg/L	17:51:22
2	Y 371.029	2241589.4	2241589.4	0.905 mg/L		17:51:51
2	Ag 328.068†	30267.7	32062.3	0.2716 mg/L	0.2716 mg/L	17:51:54
2	Al 237.313†	17751.7	19743.5	2.546 mg/L	2.546 mg/L	17:51:54
2	As 188.979†	392.2	430.4	0.5389 mg/L	0.5389 mg/L	17:52:04
2	B 182.528†	271.9	297.8	0.5865 mg/L	0.5865 mg/L	17:52:04
2	Ba 233.527†	33809.5	37414.6	0.5156 mg/L	0.5156 mg/L	17:51:54
2	Be 313.107†	77539.7	86198.9	0.0514 mg/L	0.0514 mg/L	17:51:54
2	Ca 315.887†	554178.7	612228.0	5.754 mg/L	5.754 mg/L	17:51:51
2	Cd 228.802†	7108.9	7792.7	0.2737 mg/L	0.2737 mg/L	17:52:04
2	Co 228.616†	17717.7	19643.3	0.4897 mg/L	0.4897 mg/L	17:51:54
2	Cr 267.716†	42209.1	46233.7	0.5066 mg/L	0.5066 mg/L	17:51:54
2	Cu 324.752†	87686.7	95662.5	0.5358 mg/L	0.5358 mg/L	17:51:54
2	Fe 238.204†	271289.3	299624.0	2.521 mg/L	2.521 mg/L	17:51:54
2	Mg 279.077†	49975.5	55089.2	4.823 mg/L	4.823 mg/L	17:51:54
2	Mn 257.610†	262706.8	289128.7	0.5085 mg/L	0.5085 mg/L	17:51:54
2	Mo 202.031†	8721.4	9610.3	0.5109 mg/L	0.5109 mg/L	17:52:04
2	Ni 231.604†	12807.7	14171.6	0.4992 mg/L	0.4992 mg/L	17:51:54
2	P 214.914†	8646.5	9211.9	5.502 mg/L	5.502 mg/L	17:52:04
2	Pb 220.353†	5278.4	5774.7	0.4927 mg/L	0.4927 mg/L	17:52:04
2	Sb 206.836†	602.7	629.2	0.5280 mg/L	0.5280 mg/L	17:52:04
2	Se 196.026†	1096.4	1211.5	1.175 mg/L	1.175 mg/L	17:52:04
2	Sn 189.927†	2149.9	2372.8	0.5421 mg/L	0.5421 mg/L	17:52:04
2	Ti 337.279†	333455.4	368934.7	0.5200 mg/L	0.5200 mg/L	17:51:54
2	Tl 190.801†	613.3	675.7	0.4622 mg/L	0.4622 mg/L	17:52:04
2	V 292.402†	74926.8	83478.9	0.5266 mg/L	0.5266 mg/L	17:51:54
2	Zn 213.857†	48417.5	52701.3	0.5618 mg/L	0.5618 mg/L	17:51:54

Mean Data: CJ20511-BS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2268124.4	0.916	mg/L	0.0151				1.65%
Ag 328.068†	31642.1	0.2680	mg/L	0.00506	0.2680	mg/L	0.00506	1.89%
Al 237.313†	19577.3	2.525	mg/L	0.0304	2.525	mg/L	0.0304	1.20%
As 188.979†	420.9	0.5271	mg/L	0.01667	0.5271	mg/L	0.01667	3.16%
B 182.528†	289.6	0.5706	mg/L	0.02257	0.5706	mg/L	0.02257	3.96%
B 249.677†	1059.1	0.6183	mg/L	0.01228	0.6183	mg/L	0.01228	1.99%
Ba 233.527†	36959.1	0.5093	mg/L	0.00891	0.5093	mg/L	0.00891	1.75%
Be 313.107†	85379.2	0.0509	mg/L	0.00069	0.0509	mg/L	0.00069	1.36%
Ca 315.887†	611403.8	5.746	mg/L	0.0110	5.746	mg/L	0.0110	0.19%
Cd 228.802†	7694.6	0.2702	mg/L	0.00484	0.2702	mg/L	0.00484	1.79%
Co 228.616†	19446.0	0.4848	mg/L	0.00700	0.4848	mg/L	0.00700	1.44%
Cr 267.716†	45761.1	0.5014	mg/L	0.00737	0.5014	mg/L	0.00737	1.47%
Cu 324.752†	94555.9	0.5295	mg/L	0.00882	0.5295	mg/L	0.00882	1.67%
Fe 234.349†	3259.8	2.801	mg/L	0.0376	2.801	mg/L	0.0376	1.34%
Fe 238.204†	296601.0	2.496	mg/L	0.0361	2.496	mg/L	0.0361	1.45%
K 766.490†	60474.0	32.72	mg/L	0.490	32.72	mg/L	0.490	1.50%
Li 670.784†	21392.9	0.6614	mg/L	0.00608	0.6614	mg/L	0.00608	0.92%
Mg 279.077†	54484.0	4.769	mg/L	0.0755	4.769	mg/L	0.0755	1.58%
Mn 257.610†	286052.3	0.5030	mg/L	0.00769	0.5030	mg/L	0.00769	1.53%
Mo 202.031†	9463.0	0.5030	mg/L	0.01109	0.5030	mg/L	0.01109	2.20%
Na 589.592†	9132420.7	1494	mg/L	41.7	1494	mg/L	41.7	2.79%
Ni 231.604†	14012.6	0.4936	mg/L	0.00798	0.4936	mg/L	0.00798	1.62%
P 214.914†	9075.7	5.421	mg/L	0.1144	5.421	mg/L	0.1144	2.11%
Pb 220.353†	5715.1	0.4875	mg/L	0.00725	0.4875	mg/L	0.00725	1.49%
Sb 206.836†	611.0	0.5127	mg/L	0.02162	0.5127	mg/L	0.02162	4.22%
Se 196.026†	1190.3	1.154	mg/L	0.0291	1.154	mg/L	0.0291	2.52%
Sn 189.927†	2339.3	0.5344	mg/L	0.01084	0.5344	mg/L	0.01084	2.03%
Sr 407.771†	49862.9	0.0528	mg/L	0.00047	0.0528	mg/L	0.00047	0.90%
Ti 337.279†	365135.8	0.5146	mg/L	0.00760	0.5146	mg/L	0.00760	1.48%
Tl 190.801†	666.2	0.4556	mg/L	0.00929	0.4556	mg/L	0.00929	2.04%
V 292.402†	82626.2	0.5212	mg/L	0.00766	0.5212	mg/L	0.00766	1.47%
Zn 213.857†	52148.5	0.5559	mg/L	0.00834	0.5559	mg/L	0.00834	1.50%

Sequence No.: 33

Sample ID: CJ20511-BSD1

Analyst:

Autosampler Location: 35

Date Collected: 10/6/2012 5:53:43 PM

Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20511-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	963.2	1041.6	0.6081	mg/L	0.6081	mg/L	17:55:38
1	Fe 234.349†	2864.1	3115.2	2.677	mg/L	2.677	mg/L	17:55:38
1	K 766.490†	54108.2	58574.2	31.70	mg/L	31.70	mg/L	17:55:28
1	Li 670.784†	18996.4	20799.1	0.6431	mg/L	0.6431	mg/L	17:55:28
1	Na 589.592†	8497793.5	9225541.5	1509	mg/L	1509	mg/L	17:55:26
1	Sr 407.771†	44771.1	48475.1	0.0513	mg/L	0.0513	mg/L	17:55:28
1	Y 371.029	2281572.5	2281572.5	0.921	mg/L			17:55:57
1	Ag 328.068†	30075.7	31267.6	0.2648	mg/L	0.2648	mg/L	17:56:00
1	Al 237.313†	17667.3	19308.1	2.490	mg/L	2.490	mg/L	17:56:00
1	As 188.979†	378.8	408.3	0.5113	mg/L	0.5113	mg/L	17:56:10
1	B 182.528†	270.3	290.8	0.5728	mg/L	0.5728	mg/L	17:56:10
1	Ba 233.527†	33644.4	36580.7	0.5040	mg/L	0.5040	mg/L	17:56:00
1	Be 313.107†	77128.9	84251.4	0.0502	mg/L	0.0502	mg/L	17:56:00
1	Ca 315.887†	559240.0	606991.3	5.704	mg/L	5.704	mg/L	17:55:57
1	Cd 228.802†	7009.0	7546.5	0.2651	mg/L	0.2651	mg/L	17:56:10
1	Co 228.616†	17581.4	19152.2	0.4774	mg/L	0.4774	mg/L	17:56:00
1	Cr 267.716†	41929.7	45112.9	0.4942	mg/L	0.4942	mg/L	17:56:00
1	Cu 324.752†	87129.1	93359.2	0.5228	mg/L	0.5228	mg/L	17:56:00
1	Fe 238.204†	263864.2	286309.4	2.409	mg/L	2.409	mg/L	17:56:00
1	Mg 279.077†	49647.4	53765.1	4.706	mg/L	4.706	mg/L	17:56:00
1	Mn 257.610†	261280.5	282492.8	0.4967	mg/L	0.4967	mg/L	17:56:00
1	Mo 202.031†	8574.9	9282.3	0.4934	mg/L	0.4934	mg/L	17:56:10
1	Ni 231.604†	12720.8	13829.2	0.4871	mg/L	0.4871	mg/L	17:56:00
1	P 214.914†	8493.2	8878.0	5.303	mg/L	5.303	mg/L	17:56:10
1	Pb 220.353†	5261.9	5654.4	0.4823	mg/L	0.4823	mg/L	17:56:10
1	Sb 206.836†	582.4	595.5	0.4996	mg/L	0.4996	mg/L	17:56:10
1	Se 196.026†	1073.0	1164.8	1.129	mg/L	1.129	mg/L	17:56:10
1	Sn 189.927†	2102.4	2279.6	0.5206	mg/L	0.5206	mg/L	17:56:10
1	Ti 337.279†	331430.1	360278.7	0.5078	mg/L	0.5078	mg/L	17:56:00
1	Tl 190.801†	607.1	657.1	0.4493	mg/L	0.4493	mg/L	17:56:10
1	V 292.402†	74521.8	81588.2	0.5146	mg/L	0.5146	mg/L	17:56:00
1	Zn 213.857†	48170.2	51495.1	0.5489	mg/L	0.5489	mg/L	17:56:00
2	B 249.677†	972.4	1053.4	0.6149	mg/L	0.6149	mg/L	17:55:54
2	Fe 234.349†	2858.8	3114.9	2.676	mg/L	2.676	mg/L	17:55:54
2	K 766.490†	54545.1	59154.4	32.01	mg/L	32.01	mg/L	17:55:43
2	Li 670.784†	19110.3	20959.8	0.6480	mg/L	0.6480	mg/L	17:55:43
2	Na 589.592†	8450106.7	9190173.2	1503	mg/L	1503	mg/L	17:55:41
2	Sr 407.771†	45179.3	49006.0	0.0519	mg/L	0.0519	mg/L	17:55:43
2	Y 371.029	2277500.3	2277500.3	0.919	mg/L			17:56:12
2	Ag 328.068†	30417.9	31698.2	0.2685	mg/L	0.2685	mg/L	17:56:15
2	Al 237.313†	17927.9	19625.8	2.531	mg/L	2.531	mg/L	17:56:15
2	As 188.979†	388.9	420.0	0.5259	mg/L	0.5259	mg/L	17:56:25
2	B 182.528†	264.9	285.5	0.5625	mg/L	0.5625	mg/L	17:56:25
2	Ba 233.527†	33915.8	36941.2	0.5090	mg/L	0.5090	mg/L	17:56:15
2	Be 313.107†	78027.3	85378.2	0.0509	mg/L	0.0509	mg/L	17:56:15
2	Ca 315.887†	554194.8	602589.7	5.663	mg/L	5.663	mg/L	17:56:12
2	Cd 228.802†	7098.5	7657.4	0.2689	mg/L	0.2689	mg/L	17:56:25
2	Co 228.616†	17835.8	19463.1	0.4852	mg/L	0.4852	mg/L	17:56:15
2	Cr 267.716†	42439.8	45749.1	0.5012	mg/L	0.5012	mg/L	17:56:15
2	Cu 324.752†	88298.1	94799.6	0.5309	mg/L	0.5309	mg/L	17:56:15
2	Fe 238.204†	267521.3	290799.1	2.447	mg/L	2.447	mg/L	17:56:15
2	Mg 279.077†	50344.9	54620.1	4.781	mg/L	4.781	mg/L	17:56:15
2	Mn 257.610†	264550.1	286556.1	0.5039	mg/L	0.5039	mg/L	17:56:15
2	Mo 202.031†	8672.9	9405.5	0.5000	mg/L	0.5000	mg/L	17:56:25
2	Ni 231.604†	12955.6	14109.3	0.4970	mg/L	0.4970	mg/L	17:56:15
2	P 214.914†	8610.6	9022.2	5.389	mg/L	5.389	mg/L	17:56:25
2	Pb 220.353†	5273.6	5677.4	0.4843	mg/L	0.4843	mg/L	17:56:25
2	Sb 206.836†	581.3	595.4	0.4996	mg/L	0.4996	mg/L	17:56:25
2	Se 196.026†	1090.3	1185.7	1.149	mg/L	1.149	mg/L	17:56:25
2	Sn 189.927†	2145.1	2330.1	0.5320	mg/L	0.5320	mg/L	17:56:25
2	Ti 337.279†	335025.2	364832.0	0.5142	mg/L	0.5142	mg/L	17:56:15
2	Tl 190.801†	618.7	670.9	0.4589	mg/L	0.4589	mg/L	17:56:25
2	V 292.402†	75395.8	82683.4	0.5215	mg/L	0.5215	mg/L	17:56:15
2	Zn 213.857†	48971.6	52460.3	0.5592	mg/L	0.5592	mg/L	17:56:15

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2279536.4	0.920	mg/L	0.0012				0.13%
Ag 328.068†	31482.9	0.2666	mg/L	0.00259	0.2666	mg/L	0.00259	0.97%
Al 237.313†	19467.0	2.511	mg/L	0.0291	2.511	mg/L	0.0291	1.16%
As 188.979†	414.1	0.5186	mg/L	0.01035	0.5186	mg/L	0.01035	2.00%
B 182.528†	288.1	0.5677	mg/L	0.00733	0.5677	mg/L	0.00733	1.29%
B 249.677†	1047.5	0.6115	mg/L	0.00486	0.6115	mg/L	0.00486	0.80%
Ba 233.527†	36761.0	0.5065	mg/L	0.00353	0.5065	mg/L	0.00353	0.70%
Be 313.107†	84814.8	0.0505	mg/L	0.00048	0.0505	mg/L	0.00048	0.94%
Ca 315.887†	604790.5	5.684	mg/L	0.0293	5.684	mg/L	0.0293	0.52%
Cd 228.802†	7602.0	0.2670	mg/L	0.00273	0.2670	mg/L	0.00273	1.02%
Co 228.616†	19307.6	0.4813	mg/L	0.00551	0.4813	mg/L	0.00551	1.15%
Cr 267.716†	45431.0	0.4977	mg/L	0.00496	0.4977	mg/L	0.00496	1.00%
Cu 324.752†	94079.4	0.5268	mg/L	0.00574	0.5268	mg/L	0.00574	1.09%
Fe 234.349†	3115.1	2.677	mg/L	0.0003	2.677	mg/L	0.0003	0.01%
Fe 238.204†	288554.3	2.428	mg/L	0.0268	2.428	mg/L	0.0268	1.11%
K 766.490†	58864.3	31.86	mg/L	0.221	31.86	mg/L	0.221	0.69%
Li 670.784†	20879.4	0.6455	mg/L	0.00351	0.6455	mg/L	0.00351	0.54%
Mg 279.077†	54192.6	4.743	mg/L	0.0533	4.743	mg/L	0.0533	1.12%
Mn 257.610†	284524.5	0.5003	mg/L	0.00508	0.5003	mg/L	0.00508	1.02%
Mo 202.031†	9343.9	0.4967	mg/L	0.00464	0.4967	mg/L	0.00464	0.93%
Na 589.592†	9207857.4	1506	mg/L	4.1	1506	mg/L	4.1	0.27%
Ni 231.604†	13969.2	0.4920	mg/L	0.00703	0.4920	mg/L	0.00703	1.43%
P 214.914†	8950.1	5.346	mg/L	0.0605	5.346	mg/L	0.0605	1.13%
Pb 220.353†	5665.9	0.4833	mg/L	0.00138	0.4833	mg/L	0.00138	0.29%
Sb 206.836†	595.4	0.4996	mg/L	0.00004	0.4996	mg/L	0.00004	0.01%
Se 196.026†	1175.3	1.139	mg/L	0.0143	1.139	mg/L	0.0143	1.26%
Sn 189.927†	2304.9	0.5263	mg/L	0.00807	0.5263	mg/L	0.00807	1.53%
Sr 407.771†	48740.6	0.0516	mg/L	0.00039	0.0516	mg/L	0.00039	0.76%
Ti 337.279†	362555.3	0.5110	mg/L	0.00456	0.5110	mg/L	0.00456	0.89%
Tl 190.801†	664.0	0.4541	mg/L	0.00679	0.4541	mg/L	0.00679	1.49%
V 292.402†	82135.8	0.5181	mg/L	0.00491	0.5181	mg/L	0.00491	0.95%
Zn 213.857†	51977.7	0.5541	mg/L	0.00729	0.5541	mg/L	0.00729	1.32%

Sequence No.: 34

Sample ID: 1210123-01TCLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 36

Date Collected: 10/6/2012 5:58:04 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210123-01TCLP

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	125.6	159.6	0.0952	mg/L	0.0952	mg/L	18:00:05
1	Fe 234.349†	116773.2	152206.0	130.3	mg/L	130.3	mg/L	17:59:55
1	K 766.490†	2568.3	3178.8	1.907	mg/L	1.907	mg/L	18:00:05
1	Li 670.784†	-122.7	15.6	0.0011	mg/L	0.0011	mg/L	18:00:05
1	Na 589.592†	8306743.7	10826726.6	1771	mg/L	1771	mg/L	17:59:53
1	Sr 407.771†	94748.1	123362.2	0.1299	mg/L	0.1299	mg/L	17:59:55
1	Y 371.029	1900442.2	1900442.2	0.767	mg/L			18:00:31
1	Ag 328.068†	444.0	-805.5	0.0017	mg/L	0.0017	mg/L	18:00:33
1	Al 237.313†	4092.7	5461.9	0.6979	mg/L	0.6979	mg/L	18:00:33
1	As 188.979†	-25.7	-36.5	0.0109	mg/L	0.0109	mg/L	18:00:43
1	B 182.528†	13.6	15.1	0.0348	mg/L	0.0348	mg/L	18:00:43
1	Ba 233.527†	36570.1	47719.3	0.6584	mg/L	0.6584	mg/L	18:00:33
1	Be 313.107†	35.7	562.4	0.0002	mg/L	0.0002	mg/L	18:00:33
1	Ca 315.887†	13644875.1	17784360.7	167.5	mg/L	167.5	mg/L	18:00:28
1	Cd 228.802†	99.0	66.3	0.0025	mg/L	0.0025	mg/L	18:00:43
1	Co 228.616†	3277.6	4336.8	0.1062	mg/L	0.1062	mg/L	18:00:43
1	Cr 267.716†	1172.3	1119.6	0.0091	mg/L	0.0091	mg/L	18:00:33
1	Cu 324.752†	1711.3	997.3	0.0023	mg/L	0.0023	mg/L	18:00:33
1	Fe 238.204†	9610742.7	12526332.0	105.9	mg/L	105.9	mg/L	18:00:28
1	Mg 279.077†	21863.9	28362.1	2.585	mg/L	2.585	mg/L	18:00:33
1	Mn 257.610†	16394446.2	21367091.3	37.78	mg/L	37.78	mg/L	18:00:28
1	Mo 202.031†	214.8	252.8	-0.0273	mg/L	-0.0273	mg/L	18:00:43
1	Ni 231.604†	13544.0	17671.8	0.6225	mg/L	0.6225	mg/L	18:00:33
1	P 214.914†	447.6	240.7	0.4784	mg/L	0.4784	mg/L	18:00:43
1	Pb 220.353†	11.4	-43.2	-0.0092	mg/L	-0.0092	mg/L	18:00:43
1	Sb 206.836†	58.4	39.3	-0.0260	mg/L	-0.0260	mg/L	18:00:43

1	Se 196.026†	-17.6	-23.0	0.0318 mg/L	0.0318 mg/L	18:00:43
1	Sn 189.927†	-486.3	-636.6	0.2348 mg/L	0.2348 mg/L	18:00:43
1	Ti 337.279†	203.7	724.6	-0.0010 mg/L	-0.0010 mg/L	18:00:33
1	Tl 190.801†	37.5	46.9	-0.0462 mg/L	-0.0462 mg/L	18:00:43
1	V 292.402†	1298.3	2375.2	-0.0118 mg/L	-0.0118 mg/L	18:00:33
1	Zn 213.857†	86593.9	112064.0	1.200 mg/L	1.200 mg/L	18:00:33
2	B 249.677†	123.4	130.1	0.0781 mg/L	0.0781 mg/L	18:00:21
2	Fe 234.349†	117676.5	128097.1	109.7 mg/L	109.7 mg/L	18:00:10
2	K 766.490†	2631.7	2695.9	1.647 mg/L	1.647 mg/L	18:00:21
2	Li 670.784†	-75.7	93.0	0.0035 mg/L	0.0035 mg/L	18:00:21
2	Na 589.592†	8457338.4	9205698.0	1506 mg/L	1506 mg/L	18:00:08
2	Sr 407.771†	95473.2	103792.1	0.1093 mg/L	0.1093 mg/L	18:00:10
2	Y 371.029	2275605.3	2275605.3	0.919 mg/L		18:00:52
2	Ag 328.068†	497.9	-842.3	-0.0002 mg/L	-0.0002 mg/L	18:00:54
2	Al 237.313†	4124.1	4616.6	0.5886 mg/L	0.5886 mg/L	18:00:54
2	As 188.979†	-24.7	-29.9	0.0104 mg/L	0.0104 mg/L	18:01:04
2	B 182.528†	20.3	19.5	0.0433 mg/L	0.0433 mg/L	18:01:04
2	Ba 233.527†	36169.4	39424.9	0.5437 mg/L	0.5437 mg/L	18:00:54
2	Be 313.107†	61.0	582.2	0.0002 mg/L	0.0002 mg/L	18:00:54
2	Ca 315.887†	13600950.5	14804540.3	139.4 mg/L	139.4 mg/L	18:00:49
2	Cd 228.802†	101.0	47.1	0.0018 mg/L	0.0018 mg/L	18:01:04
2	Co 228.616†	3322.9	3681.9	0.0897 mg/L	0.0897 mg/L	18:01:04
2	Cr 267.716†	1159.9	854.2	0.0062 mg/L	0.0062 mg/L	18:00:54
2	Cu 324.752†	1636.4	548.0	-0.0002 mg/L	-0.0002 mg/L	18:00:54
2	Fe 238.204†	9582688.0	10430639.7	88.15 mg/L	88.15 mg/L	18:00:49
2	Mg 279.077†	21683.0	23467.1	2.133 mg/L	2.133 mg/L	18:00:54
2	Mn 257.610†	16364158.7	17811287.6	31.49 mg/L	31.49 mg/L	18:00:49
2	Mo 202.031†	193.3	183.3	-0.0246 mg/L	-0.0246 mg/L	18:01:04
2	Ni 231.604†	13436.8	14644.8	0.5152 mg/L	0.5152 mg/L	18:00:54
2	P 214.914†	450.5	147.6	0.3744 mg/L	0.3744 mg/L	18:01:04
2	Pb 220.353†	21.0	-35.3	-0.0083 mg/L	-0.0083 mg/L	18:01:04
2	Sb 206.836†	59.7	28.2	-0.0262 mg/L	-0.0262 mg/L	18:01:04
2	Se 196.026†	-18.3	-20.0	0.0259 mg/L	0.0259 mg/L	18:01:04
2	Sn 189.927†	-480.3	-525.6	0.1995 mg/L	0.1995 mg/L	18:01:04
2	Ti 337.279†	101.8	569.9	-0.0012 mg/L	-0.0012 mg/L	18:00:54
2	Tl 190.801†	33.2	34.2	-0.0432 mg/L	-0.0432 mg/L	18:01:04
2	V 292.402†	1233.0	2025.2	-0.0101 mg/L	-0.0101 mg/L	18:00:54
2	Zn 213.857†	85193.9	91932.7	0.9845 mg/L	0.9845 mg/L	18:00:54

Mean Data: 1210123-01TCLP

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2088023.7	0.843 mg/L		0.1071				12.70%
Ag 328.068†	-823.9	0.0007 mg/L		0.00135	0.0007 mg/L		0.00135	186.77%
Al 237.313†	5039.2	0.6432 mg/L		0.07723	0.6432 mg/L		0.07723	12.01%
As 188.979†	-33.2	0.0106 mg/L		0.00036	0.0106 mg/L		0.00036	3.36%
B 182.528†	17.3	0.0391 mg/L		0.00598	0.0391 mg/L		0.00598	15.31%
B 249.677†	144.9	0.0867 mg/L		0.01209	0.0867 mg/L		0.01209	13.94%
Ba 233.527†	43572.1	0.6011 mg/L		0.08116	0.6011 mg/L		0.08116	13.50%
Be 313.107†	572.3	0.0002 mg/L		0.00001	0.0002 mg/L		0.00001	4.55%
Ca 315.887†	16294450.5	153.5 mg/L		19.85	153.5 mg/L		19.85	12.93%
Cd 228.802†	56.7	0.0022 mg/L		0.00050	0.0022 mg/L		0.00050	23.42%
Co 228.616†	4009.3	0.0979 mg/L		0.01163	0.0979 mg/L		0.01163	11.87%
Cr 267.716†	986.9	0.0077 mg/L		0.00207	0.0077 mg/L		0.00207	26.96%
Cu 324.752†	772.6	0.0010 mg/L		0.00179	0.0010 mg/L		0.00179	174.22%
Fe 234.349†	140151.6	120.0 mg/L		14.59	120.0 mg/L		14.59	12.16%
Fe 238.204†	11478485.8	97.00 mg/L		12.525	97.00 mg/L		12.525	12.91%
K 766.490†	2937.3	1.777 mg/L		0.1836	1.777 mg/L		0.1836	10.33%
Li 670.784†	54.3	0.0023 mg/L		0.00169	0.0023 mg/L		0.00169	74.87%
Mg 279.077†	25914.6	2.359 mg/L		0.3196	2.359 mg/L		0.3196	13.55%
Mn 257.610†	19589189.5	34.63 mg/L		4.446	34.63 mg/L		4.446	12.84%
Mo 202.031†	218.1	-0.0260 mg/L		0.00193	-0.0260 mg/L		0.00193	7.41%
Na 589.592†	10016212.3	1638 mg/L		187.5	1638 mg/L		187.5	11.44%
Ni 231.604†	16158.3	0.5688 mg/L		0.07585	0.5688 mg/L		0.07585	13.34%
P 214.914†	194.2	0.4264 mg/L		0.07352	0.4264 mg/L		0.07352	17.24%
Pb 220.353†	-39.3	-0.0087 mg/L		0.00069	-0.0087 mg/L		0.00069	7.86%
Sb 206.836†	33.8	-0.0261 mg/L		0.00014	-0.0261 mg/L		0.00014	0.52%
Se 196.026†	-21.5	0.0289 mg/L		0.00416	0.0289 mg/L		0.00416	14.43%
Sn 189.927†	-581.1	0.2171 mg/L		0.02497	0.2171 mg/L		0.02497	11.50%
Sr 407.771†	113577.1	0.1196 mg/L		0.01452	0.1196 mg/L		0.01452	12.14%
Ti 337.279†	647.3	-0.0011 mg/L		0.00015	-0.0011 mg/L		0.00015	13.58%
Tl 190.801†	40.5	-0.0447 mg/L		0.00207	-0.0447 mg/L		0.00207	4.62%

V 292.402†	2200.2	-0.0109 mg/L	0.00118	-0.0109 mg/L	0.00118	10.79%
Zn 213.857†	101998.3	1.092 mg/L	0.1526	1.092 mg/L	0.1526	13.97%

Sequence No.: 35	Autosampler Location: 37
Sample ID: 1210125-01TCLP	Date Collected: 10/6/2012 6:02:43 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210125-01TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	93.3	95.7	0.0581 mg/L	0.0581 mg/L	18:04:38
1	Fe 234.349†	5111.1	5479.6	4.457 mg/L	4.457 mg/L	18:04:38
1	K 766.490†	9554.9	10064.1	5.610 mg/L	5.610 mg/L	18:04:28
1	Li 670.784†	655.2	877.2	0.0277 mg/L	0.0277 mg/L	18:04:28
1	Na 589.592†	8030148.2	8599785.2	1407 mg/L	1407 mg/L	18:04:25
1	Sr 407.771†	625315.2	669554.2	0.7028 mg/L	0.7028 mg/L	18:04:28
1	Y 371.029	2312892.3	2312892.3	0.934 mg/L		18:05:02
1	Ag 328.068†	908.9	-410.8	-0.0047 mg/L	-0.0047 mg/L	18:05:04
1	Al 237.313†	5033.9	5518.6	0.7050 mg/L	0.7050 mg/L	18:05:14
1	As 188.979†	-22.8	-27.4	-0.0306 mg/L	-0.0306 mg/L	18:05:14
1	B 182.528†	-10.7	-14.1	-0.0221 mg/L	-0.0221 mg/L	18:05:14
1	Ba 233.527†	42072.9	45112.6	0.6224 mg/L	0.6224 mg/L	18:05:04
1	Be 313.107†	-324.8	168.0	-0.0001 mg/L	-0.0001 mg/L	18:05:04
1	Ca 315.887†	28521797.9	30545440.5	287.7 mg/L	287.7 mg/L	18:04:59
1	Cd 228.802†	5774.3	6121.2	0.2170 mg/L	0.2170 mg/L	18:05:14
1	Co 228.616†	2466.0	2705.8	0.0652 mg/L	0.0652 mg/L	18:05:14
1	Cr 267.716†	666.7	305.7	0.0001 mg/L	0.0001 mg/L	18:05:14
1	Cu 324.752†	1486288.5	1590516.4	8.953 mg/L	8.953 mg/L	18:05:02
1	Fe 238.204†	441370.4	472531.6	3.982 mg/L	3.982 mg/L	18:05:02
1	Mg 279.077†	68870.7	73622.6	6.463 mg/L	6.463 mg/L	18:05:04
1	Mn 257.610†	1291734.1	1382222.2	2.441 mg/L	2.441 mg/L	18:05:02
1	Mo 202.031†	-156.0	-194.2	-0.0183 mg/L	-0.0183 mg/L	18:05:14
1	Ni 231.604†	2865.3	3087.4	0.1056 mg/L	0.1056 mg/L	18:05:14
1	P 214.914†	3736.1	3658.4	2.047 mg/L	2.047 mg/L	18:05:04
1	Pb 220.353†	85161.4	91146.0	7.778 mg/L	7.778 mg/L	18:05:04
1	Sb 206.836†	61.3	28.9	0.0210 mg/L	0.0210 mg/L	18:05:14
1	Se 196.026†	-17.9	-19.3	-0.0182 mg/L	-0.0182 mg/L	18:05:14
1	Sn 189.927†	-542.9	-584.2	-0.1210 mg/L	-0.1210 mg/L	18:05:14
1	Ti 337.279†	103.6	570.1	-0.0012 mg/L	-0.0012 mg/L	18:05:04
1	Tl 190.801†	39.0	39.7	0.0204 mg/L	0.0204 mg/L	18:05:14
1	V 292.402†	-692.2	-58.2	-0.0035 mg/L	-0.0035 mg/L	18:05:14
1	Zn 213.857†	5828150.4	6240891.8	67.08 mg/L	67.08 mg/L	18:05:02
2	B 249.677†	89.5	91.4	0.0556 mg/L	0.0556 mg/L	18:04:53
2	Fe 234.349†	5039.0	5385.3	4.373 mg/L	4.373 mg/L	18:04:53
2	K 766.490†	9944.1	10447.6	5.817 mg/L	5.817 mg/L	18:04:43
2	Li 670.784†	672.5	893.4	0.0282 mg/L	0.0282 mg/L	18:04:43
2	Na 589.592†	8230064.2	8786257.9	1437 mg/L	1437 mg/L	18:04:41
2	Sr 407.771†	636872.3	679793.3	0.7136 mg/L	0.7136 mg/L	18:04:43
2	Y 371.029	2320165.1	2320165.1	0.937 mg/L		18:05:21
2	Ag 328.068†	837.6	-489.9	-0.0053 mg/L	-0.0053 mg/L	18:05:24
2	Al 237.313†	5049.3	5518.1	0.7049 mg/L	0.7049 mg/L	18:05:34
2	As 188.979†	-21.1	-25.5	-0.0283 mg/L	-0.0283 mg/L	18:05:34
2	B 182.528†	-7.5	-10.7	-0.0155 mg/L	-0.0155 mg/L	18:05:34
2	Ba 233.527†	41962.6	44853.7	0.6188 mg/L	0.6188 mg/L	18:05:24
2	Be 313.107†	-381.8	108.3	-0.0001 mg/L	-0.0001 mg/L	18:05:24
2	Ca 315.887†	28961593.7	30919217.2	291.2 mg/L	291.2 mg/L	18:05:18
2	Cd 228.802†	5759.0	6085.4	0.2157 mg/L	0.2157 mg/L	18:05:34
2	Co 228.616†	2494.8	2728.3	0.0658 mg/L	0.0658 mg/L	18:05:34
2	Cr 267.716†	655.5	291.4	0.0000 mg/L	0.0000 mg/L	18:05:34
2	Cu 324.752†	1488697.5	1588098.7	8.939 mg/L	8.939 mg/L	18:05:21
2	Fe 238.204†	441657.7	471356.6	3.972 mg/L	3.972 mg/L	18:05:21
2	Mg 279.077†	68720.4	73230.9	6.429 mg/L	6.429 mg/L	18:05:24
2	Mn 257.610†	1293446.7	1379714.2	2.437 mg/L	2.437 mg/L	18:05:21
2	Mo 202.031†	-153.9	-191.4	-0.0181 mg/L	-0.0181 mg/L	18:05:34
2	Ni 231.604†	2852.5	3064.2	0.1048 mg/L	0.1048 mg/L	18:05:34
2	P 214.914†	3735.0	3644.8	2.039 mg/L	2.039 mg/L	18:05:24
2	Pb 220.353†	85127.2	90823.5	7.751 mg/L	7.751 mg/L	18:05:24
2	Sb 206.836†	56.6	23.6	0.0166 mg/L	0.0166 mg/L	18:05:34
2	Se 196.026†	-21.6	-23.1	-0.0220 mg/L	-0.0220 mg/L	18:05:34

2	Sn 189.927†	-540.5	-579.9	-0.1203 mg/L	-0.1203 mg/L	18:05:34
2	Ti 337.279†	140.8	609.4	-0.0012 mg/L	-0.0012 mg/L	18:05:24
2	Tl 190.801†	39.3	39.9	0.0205 mg/L	0.0205 mg/L	18:05:34
2	V 292.402†	-646.3	-6.9	-0.0031 mg/L	-0.0031 mg/L	18:05:34
2	Zn 213.857†	5834461.5	6228064.3	66.94 mg/L	66.94 mg/L	18:05:21

Mean Data: 1210125-01TCLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2316528.7	0.935	mg/L	0.0021				0.22%
Ag 328.068†	-450.4	-0.0050	mg/L	0.00048	-0.0050	mg/L	0.00048	9.62%
Al 237.313†	5518.4	0.7049	mg/L	0.00004	0.7049	mg/L	0.00004	0.01%
As 188.979†	-26.5	-0.0294	mg/L	0.00168	-0.0294	mg/L	0.00168	5.70%
B 182.528†	-12.4	-0.0188	mg/L	0.00468	-0.0188	mg/L	0.00468	24.86%
B 249.677†	93.5	0.0569	mg/L	0.00178	0.0569	mg/L	0.00178	3.14%
Ba 233.527†	44983.1	0.6206	mg/L	0.00253	0.6206	mg/L	0.00253	0.41%
Be 313.107†	138.1	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	31.53%
Ca 315.887†	30732328.8	289.5	mg/L	2.49	289.5	mg/L	2.49	0.86%
Cd 228.802†	6103.3	0.2163	mg/L	0.00090	0.2163	mg/L	0.00090	0.42%
Co 228.616†	2717.1	0.0655	mg/L	0.00040	0.0655	mg/L	0.00040	0.61%
Cr 267.716†	298.6	0.0001	mg/L	0.00011	0.0001	mg/L	0.00011	160.47%
Cu 324.752†	1589307.6	8.946	mg/L	0.0096	8.946	mg/L	0.0096	0.11%
Fe 234.349†	5432.5	4.415	mg/L	0.0593	4.415	mg/L	0.0593	1.34%
Fe 238.204†	471944.1	3.977	mg/L	0.0070	3.977	mg/L	0.0070	0.18%
K 766.490†	10255.9	5.714	mg/L	0.1459	5.714	mg/L	0.1459	2.55%
Li 670.784†	885.3	0.0279	mg/L	0.00035	0.0279	mg/L	0.00035	1.27%
Mg 279.077†	73426.8	6.446	mg/L	0.0244	6.446	mg/L	0.0244	0.38%
Mn 257.610†	1380968.2	2.439	mg/L	0.0031	2.439	mg/L	0.0031	0.13%
Mo 202.031†	-192.8	-0.0182	mg/L	0.00013	-0.0182	mg/L	0.00013	0.70%
Na 589.592†	8693021.6	1422	mg/L	21.6	1422	mg/L	21.6	1.52%
Ni 231.604†	3075.8	0.1052	mg/L	0.00058	0.1052	mg/L	0.00058	0.55%
P 214.914†	3651.6	2.043	mg/L	0.0057	2.043	mg/L	0.0057	0.28%
Pb 220.353†	90984.8	7.764	mg/L	0.0196	7.764	mg/L	0.0196	0.25%
Sb 206.836†	26.2	0.0188	mg/L	0.00311	0.0188	mg/L	0.00311	16.53%
Se 196.026†	-21.2	-0.0201	mg/L	0.00269	-0.0201	mg/L	0.00269	13.38%
Sn 189.927†	-582.1	-0.1206	mg/L	0.00053	-0.1206	mg/L	0.00053	0.44%
Sr 407.771†	674673.7	0.7082	mg/L	0.00760	0.7082	mg/L	0.00760	1.07%
Ti 337.279†	589.8	-0.0012	mg/L	0.00004	-0.0012	mg/L	0.00004	3.22%
Tl 190.801†	39.8	0.0205	mg/L	0.00012	0.0205	mg/L	0.00012	0.61%
V 292.402†	-32.6	-0.0033	mg/L	0.00024	-0.0033	mg/L	0.00024	7.21%
Zn 213.857†	6234478.0	67.01	mg/L	0.097	67.01	mg/L	0.097	0.15%

Sequence No.: 36

Sample ID: CJ20511-DUP1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 38

Date Collected: 10/6/2012 6:08:43 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20511-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	97.4	101.9	0.0617	mg/L	0.0617	mg/L	18:10:41
1	Fe 234.349†	5348.7	5828.0	4.743	mg/L	4.743	mg/L	18:10:41
1	K 766.490†	10259.9	10999.7	6.114	mg/L	6.114	mg/L	18:10:31
1	Li 670.784†	765.4	1008.6	0.0317	mg/L	0.0317	mg/L	18:10:31
1	Na 589.592†	8577306.3	9336628.7	1527	mg/L	1527	mg/L	18:10:28
1	Sr 407.771†	655772.5	713706.5	0.7492	mg/L	0.7492	mg/L	18:10:31
1	Y 371.029	2275521.2	2275521.2	0.919	mg/L			18:11:05
1	Ag 328.068†	928.7	-373.3	-0.0043	mg/L	-0.0043	mg/L	18:11:07
1	Al 237.313†	5078.8	5656.0	0.7227	mg/L	0.7227	mg/L	18:11:17
1	As 188.979†	-29.1	-34.7	-0.0396	mg/L	-0.0396	mg/L	18:11:17
1	B 182.528†	-13.3	-17.1	-0.0281	mg/L	-0.0281	mg/L	18:11:17
1	Ba 233.527†	43000.7	46862.6	0.6466	mg/L	0.6466	mg/L	18:11:07
1	Be 313.107†	-283.2	207.6	0.0000	mg/L	0.0000	mg/L	18:11:07
1	Ca 315.887†	29405381.1	32008913.0	301.5	mg/L	301.5	mg/L	18:11:02
1	Cd 228.802†	5845.4	6300.2	0.2234	mg/L	0.2234	mg/L	18:11:17
1	Co 228.616†	2515.5	2803.1	0.0676	mg/L	0.0676	mg/L	18:11:17
1	Cr 267.716†	659.9	309.9	0.0002	mg/L	0.0002	mg/L	18:11:17
1	Cu 324.752†	1482168.2	1612172.7	9.075	mg/L	9.075	mg/L	18:11:05
1	Fe 238.204†	442425.7	481443.3	4.057	mg/L	4.057	mg/L	18:11:05

1	Mg	279.077†	70017.7	76082.4	6.680	mg/L	6.680	mg/L	18:11:07
1	Mn	257.610†	1296877.9	1410541.1	2.491	mg/L	2.491	mg/L	18:11:05
1	Mo	202.031†	-192.6	-236.7	-0.0207	mg/L	-0.0207	mg/L	18:11:17
1	Ni	231.604†	2868.5	3141.3	0.1075	mg/L	0.1075	mg/L	18:11:17
1	P	214.914†	3843.9	3841.6	2.155	mg/L	2.155	mg/L	18:11:07
1	Pb	220.353†	86900.0	94536.4	8.069	mg/L	8.069	mg/L	18:11:07
1	Sb	206.836†	61.1	29.7	0.0216	mg/L	0.0216	mg/L	18:11:17
1	Se	196.026†	-16.6	-18.1	-0.0169	mg/L	-0.0169	mg/L	18:11:17
1	Sn	189.927†	-571.1	-624.6	-0.1292	mg/L	-0.1292	mg/L	18:11:17
1	Ti	337.279†	-67.5	385.7	-0.0015	mg/L	-0.0015	mg/L	18:11:07
1	Tl	190.801†	36.8	38.1	0.0190	mg/L	0.0190	mg/L	18:11:17
1	V	292.402†	-642.1	-15.9	-0.0033	mg/L	-0.0033	mg/L	18:11:17
1	Zn	213.857†	5854311.6	6371877.3	68.49	mg/L	68.49	mg/L	18:11:05
2	B	249.677†	95.8	99.2	0.0602	mg/L	0.0602	mg/L	18:10:56
2	Fe	234.349†	5312.4	5740.4	4.670	mg/L	4.670	mg/L	18:10:56
2	K	766.490†	10203.8	10846.1	6.031	mg/L	6.031	mg/L	18:10:46
2	Li	670.784†	751.7	986.9	0.0311	mg/L	0.0311	mg/L	18:10:46
2	Na	589.592†	8405803.5	9073751.5	1484	mg/L	1484	mg/L	18:10:44
2	Sr	407.771†	647661.1	699006.6	0.7337	mg/L	0.7337	mg/L	18:10:46
2	Y	371.029	2294627.5	2294627.5	0.926	mg/L	0.926	mg/L	18:11:24
2	Ag	328.068†	779.4	-542.9	-0.0058	mg/L	-0.0058	mg/L	18:11:27
2	Al	237.313†	5138.4	5674.3	0.7251	mg/L	0.7251	mg/L	18:11:37
2	As	188.979†	-28.9	-34.2	-0.0390	mg/L	-0.0390	mg/L	18:11:37
2	B	182.528†	-15.4	-19.3	-0.0323	mg/L	-0.0323	mg/L	18:11:37
2	Ba	233.527†	43650.7	47174.5	0.6509	mg/L	0.6509	mg/L	18:11:27
2	Be	313.107†	-314.2	176.6	-0.0001	mg/L	-0.0001	mg/L	18:11:27
2	Ca	315.887†	29481880.6	31824967.4	299.8	mg/L	299.8	mg/L	18:11:21
2	Cd	228.802†	5912.5	6319.6	0.2241	mg/L	0.2241	mg/L	18:11:37
2	Co	228.616†	2540.0	2806.8	0.0677	mg/L	0.0677	mg/L	18:11:37
2	Cr	267.716†	657.8	301.7	0.0001	mg/L	0.0001	mg/L	18:11:37
2	Cu	324.752†	1498235.8	1616083.3	9.097	mg/L	9.097	mg/L	18:11:24
2	Fe	238.204†	446173.0	481478.4	4.058	mg/L	4.058	mg/L	18:11:24
2	Mg	279.077†	71088.8	76604.0	6.726	mg/L	6.726	mg/L	18:11:27
2	Mn	257.610†	1308468.1	1411297.7	2.492	mg/L	2.492	mg/L	18:11:24
2	Mo	202.031†	-149.4	-188.4	-0.0181	mg/L	-0.0181	mg/L	18:11:37
2	Ni	231.604†	2906.7	3156.6	0.1081	mg/L	0.1081	mg/L	18:11:37
2	P	214.914†	3910.0	3878.0	2.176	mg/L	2.176	mg/L	18:11:27
2	Pb	220.353†	88708.0	95700.5	8.170	mg/L	8.170	mg/L	18:11:27
2	Sb	206.836†	65.1	33.5	0.0248	mg/L	0.0248	mg/L	18:11:37
2	Se	196.026†	-17.3	-18.7	-0.0175	mg/L	-0.0175	mg/L	18:11:37
2	Sn	189.927†	-548.1	-594.6	-0.1227	mg/L	-0.1227	mg/L	18:11:37
2	Ti	337.279†	3.7	463.1	-0.0014	mg/L	-0.0014	mg/L	18:11:27
2	Tl	190.801†	38.6	39.6	0.0202	mg/L	0.0202	mg/L	18:11:37
2	V	292.402†	-645.8	-14.1	-0.0032	mg/L	-0.0032	mg/L	18:11:37
2	Zn	213.857†	5885285.3	6352250.4	68.28	mg/L	68.28	mg/L	18:11:24

Mean Data: CJ20511-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD	
Y 371.029	2285074.4	0.923	mg/L	0.0055			0.59%	
Ag 328.068†	-458.1	-0.0050	mg/L	0.00102	-0.0050	mg/L	0.00102	20.34%
Al 237.313†	5665.1	0.7239	mg/L	0.00166	0.7239	mg/L	0.00166	0.23%
As 188.979†	-34.4	-0.0393	mg/L	0.00043	-0.0393	mg/L	0.00043	1.09%
B 182.528†	-18.2	-0.0302	mg/L	0.00304	-0.0302	mg/L	0.00304	10.05%
B 249.677†	100.5	0.0610	mg/L	0.00109	0.0610	mg/L	0.00109	1.78%
Ba 233.527†	47018.6	0.6488	mg/L	0.00305	0.6488	mg/L	0.00305	0.47%
Be 313.107†	192.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	27.33%
Ca 315.887†	31916940.2	300.6	mg/L	1.23	300.6	mg/L	1.23	0.41%
Cd 228.802†	6309.9	0.2237	mg/L	0.00048	0.2237	mg/L	0.00048	0.22%
Co 228.616†	2804.9	0.0677	mg/L	0.00007	0.0677	mg/L	0.00007	0.10%
Cr 267.716†	305.8	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	41.82%
Cu 324.752†	1614128.0	9.086	mg/L	0.0156	9.086	mg/L	0.0156	0.17%
Fe 234.349†	5784.2	4.706	mg/L	0.0520	4.706	mg/L	0.0520	1.11%
Fe 238.204†	481460.8	4.058	mg/L	0.0002	4.058	mg/L	0.0002	0.01%
K 766.490†	10922.9	6.072	mg/L	0.0584	6.072	mg/L	0.0584	0.96%
Li 670.784†	997.8	0.0314	mg/L	0.00047	0.0314	mg/L	0.00047	1.51%
Mg 279.077†	76343.2	6.703	mg/L	0.0325	6.703	mg/L	0.0325	0.49%
Mn 257.610†	1410919.4	2.492	mg/L	0.0009	2.492	mg/L	0.0009	0.04%
Mo 202.031†	-212.6	-0.0194	mg/L	0.00183	-0.0194	mg/L	0.00183	9.40%
Na 589.592†	9205190.1	1506	mg/L	30.4	1506	mg/L	30.4	2.02%
Ni 231.604†	3148.9	0.1078	mg/L	0.00038	0.1078	mg/L	0.00038	0.36%
P 214.914†	3859.8	2.165	mg/L	0.0149	2.165	mg/L	0.0149	0.69%

Pb 220.353†	95118.4	8.119 mg/L	0.0712	8.119 mg/L	0.0712	0.88%
Sb 206.836†	31.6	0.0232 mg/L	0.00225	0.0232 mg/L	0.00225	9.67%
Se 196.026†	-18.4	-0.0172 mg/L	0.00044	-0.0172 mg/L	0.00044	2.57%
Sn 189.927†	-609.6	-0.1260 mg/L	0.00464	-0.1260 mg/L	0.00464	3.68%
Sr 407.771†	706356.6	0.7415 mg/L	0.01090	0.7415 mg/L	0.01090	1.47%
Ti 337.279†	424.4	-0.0015 mg/L	0.00008	-0.0015 mg/L	0.00008	5.33%
Tl 190.801†	38.8	0.0196 mg/L	0.00080	0.0196 mg/L	0.00080	4.08%
V 292.402†	-15.0	-0.0033 mg/L	0.00003	-0.0033 mg/L	0.00003	0.94%
Zn 213.857†	6362063.8	68.38 mg/L	0.149	68.38 mg/L	0.149	0.22%

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Sequence No.: 37                               Autosampler Location: 3
Sample ID: CCV1                               Date Collected: 10/6/2012 6:14:47 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	872.8	822.5	0.4805 mg/L	0.4805 mg/L	18:16:40
1	Fe 234.349†	3059.0	2902.9	2.495 mg/L	2.495 mg/L	18:16:40
1	K 766.490†	47223.8	44556.6	24.16 mg/L	24.16 mg/L	18:16:30
1	Li 670.784†	16563.3	15862.4	0.4906 mg/L	0.4906 mg/L	18:16:30
1	Na 589.592†	162423.9	153679.9	25.24 mg/L	25.24 mg/L	18:16:30
1	Sr 407.771†	48792.2	46079.7	0.0488 mg/L	0.0488 mg/L	18:16:30
1	Y 371.029	2615379.3	2615379.3	1.06 mg/L		18:16:57
1	Ag 328.068†	31784.8	28719.0	0.2431 mg/L	0.2431 mg/L	18:16:59
1	Al 237.313†	20071.4	19137.0	2.468 mg/L	2.468 mg/L	18:16:59
1	As 188.979†	410.5	385.8	0.4832 mg/L	0.4832 mg/L	18:17:09
1	B 182.528†	268.5	251.6	0.4964 mg/L	0.4964 mg/L	18:17:09
1	Ba 233.527†	37530.7	35599.5	0.4905 mg/L	0.4905 mg/L	18:16:59
1	Be 313.107†	87871.9	83738.7	0.0499 mg/L	0.0499 mg/L	18:16:59
1	Ca 315.887†	561981.7	532096.9	4.999 mg/L	4.999 mg/L	18:16:57
1	Cd 228.802†	7721.6	7250.3	0.2547 mg/L	0.2547 mg/L	18:17:09
1	Co 228.616†	20893.3	19852.8	0.4950 mg/L	0.4950 mg/L	18:16:59
1	Cr 267.716†	47226.4	44319.4	0.4855 mg/L	0.4855 mg/L	18:16:59
1	Cu 324.752†	95014.6	88754.3	0.4968 mg/L	0.4968 mg/L	18:16:59
1	Fe 238.204†	306446.1	290076.1	2.441 mg/L	2.441 mg/L	18:16:59
1	Mg 279.077†	60024.5	56713.9	4.966 mg/L	4.966 mg/L	18:16:59
1	Mn 257.610†	304819.2	287523.7	0.5056 mg/L	0.5056 mg/L	18:16:59
1	Mo 202.031†	9990.0	9434.3	0.5016 mg/L	0.5016 mg/L	18:17:09
1	Ni 231.604†	14978.1	14204.5	0.5004 mg/L	0.5004 mg/L	18:16:59
1	P 214.914†	9007.6	8188.3	4.893 mg/L	4.893 mg/L	18:17:09
1	Pb 220.353†	6208.9	5822.2	0.4969 mg/L	0.4969 mg/L	18:17:09
1	Sb 206.836†	651.6	580.3	0.4869 mg/L	0.4869 mg/L	18:17:09
1	Se 196.026†	1091.5	1033.7	1.002 mg/L	1.002 mg/L	18:17:09
1	Sn 189.927†	2432.3	2300.7	0.5248 mg/L	0.5248 mg/L	18:17:09
1	Ti 337.279†	368582.2	349540.6	0.4926 mg/L	0.4926 mg/L	18:16:57
1	Tl 190.801†	771.2	728.4	0.4993 mg/L	0.4993 mg/L	18:17:09
1	V 292.402†	83339.5	79613.3	0.5023 mg/L	0.5023 mg/L	18:16:59
1	Zn 213.857†	52265.9	48699.5	0.5188 mg/L	0.5188 mg/L	18:16:59
2	B 249.677†	876.9	821.5	0.4799 mg/L	0.4799 mg/L	18:16:53
2	Fe 234.349†	3088.1	2913.3	2.504 mg/L	2.504 mg/L	18:16:53
2	K 766.490†	47607.8	44656.4	24.22 mg/L	24.22 mg/L	18:16:43
2	Li 670.784†	16734.9	15932.2	0.4927 mg/L	0.4927 mg/L	18:16:43
2	Na 589.592†	163928.0	154195.5	25.32 mg/L	25.32 mg/L	18:16:43
2	Sr 407.771†	49254.1	46244.2	0.0490 mg/L	0.0490 mg/L	18:16:43
2	Y 371.029	2630780.3	2630780.3	1.06 mg/L		18:17:12
2	Ag 328.068†	32664.5	29371.0	0.2486 mg/L	0.2486 mg/L	18:17:14
2	Al 237.313†	20797.5	19709.4	2.542 mg/L	2.542 mg/L	18:17:14
2	As 188.979†	412.2	385.1	0.4823 mg/L	0.4823 mg/L	18:17:24
2	B 182.528†	267.0	248.8	0.4908 mg/L	0.4908 mg/L	18:17:24
2	Ba 233.527†	38573.7	36373.4	0.5012 mg/L	0.5012 mg/L	18:17:14
2	Be 313.107†	91232.9	86416.0	0.0515 mg/L	0.0515 mg/L	18:17:14
2	Ca 315.887†	567531.2	534206.1	5.019 mg/L	5.019 mg/L	18:17:12
2	Cd 228.802†	7738.3	7223.2	0.2537 mg/L	0.2537 mg/L	18:17:24
2	Co 228.616†	21636.7	20436.8	0.5097 mg/L	0.5097 mg/L	18:17:14
2	Cr 267.716†	48939.7	45670.7	0.5004 mg/L	0.5004 mg/L	18:17:14
2	Cu 324.752†	97679.3	90736.5	0.5080 mg/L	0.5080 mg/L	18:17:14
2	Fe 238.204†	317555.1	298836.6	2.515 mg/L	2.515 mg/L	18:17:14
2	Mg 279.077†	62284.6	58509.0	5.124 mg/L	5.124 mg/L	18:17:14

2	Mn	257.610†	315688.2	296067.3	0.5207 mg/L	0.5207 mg/L	18:17:14
2	Mo	202.031†	10017.8	9405.2	0.5001 mg/L	0.5001 mg/L	18:17:24
2	Ni	231.604†	15539.3	14649.8	0.5162 mg/L	0.5162 mg/L	18:17:14
2	P	214.914†	9060.7	8188.4	4.893 mg/L	4.893 mg/L	18:17:24
2	Pb	220.353†	6198.5	5778.1	0.4930 mg/L	0.4930 mg/L	18:17:24
2	Sb	206.836†	645.2	570.7	0.4788 mg/L	0.4788 mg/L	18:17:24
2	Se	196.026†	1103.0	1038.5	1.007 mg/L	1.007 mg/L	18:17:24
2	Sn	189.927†	2457.0	2310.5	0.5271 mg/L	0.5271 mg/L	18:17:24
2	Ti	337.279†	371214.6	349975.5	0.4932 mg/L	0.4932 mg/L	18:17:12
2	Tl	190.801†	777.4	730.0	0.5003 mg/L	0.5003 mg/L	18:17:24
2	V	292.402†	86205.6	81849.8	0.5164 mg/L	0.5164 mg/L	18:17:14
2	Zn	213.857†	54124.3	50159.5	0.5344 mg/L	0.5344 mg/L	18:17:14

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2623079.8	1.06 mg/L	0.004			0.42%
Ag 328.068†	29045.0	0.2459 mg/L	0.00393	0.2459 mg/L	0.00393	1.60%
						QC value within limits for Ag 328.068 Recovery = 98.35%
Al 237.313†	19423.2	2.505 mg/L	0.0524	2.505 mg/L	0.0524	2.09%
						QC value within limits for Al 237.313 Recovery = 100.20%
As 188.979†	385.5	0.4828 mg/L	0.00063	0.4828 mg/L	0.00063	0.13%
						QC value within limits for As 188.979 Recovery = 96.56%
B 182.528†	250.2	0.4936 mg/L	0.00393	0.4936 mg/L	0.00393	0.80%
						QC value within limits for B 182.528 Recovery = 98.72%
B 249.677†	822.0	0.4802 mg/L	0.00043	0.4802 mg/L	0.00043	0.09%
						QC value within limits for B 249.677 Recovery = 96.04%
Ba 233.527†	35986.4	0.4958 mg/L	0.00757	0.4958 mg/L	0.00757	1.53%
						QC value within limits for Ba 233.527 Recovery = 99.16%
Be 313.107†	85077.4	0.0507 mg/L	0.00113	0.0507 mg/L	0.00113	2.23%
						QC value within limits for Be 313.107 Recovery = 101.41%
Ca 315.887†	533151.5	5.009 mg/L	0.0141	5.009 mg/L	0.0141	0.28%
						QC value within limits for Ca 315.887 Recovery = 100.18%
Cd 228.802†	7236.7	0.2542 mg/L	0.00068	0.2542 mg/L	0.00068	0.27%
						QC value within limits for Cd 228.802 Recovery = 101.68%
Co 228.616†	20144.8	0.5024 mg/L	0.01037	0.5024 mg/L	0.01037	2.06%
						QC value within limits for Co 228.616 Recovery = 100.47%
Cr 267.716†	44995.1	0.4929 mg/L	0.01052	0.4929 mg/L	0.01052	2.13%
						QC value within limits for Cr 267.716 Recovery = 98.58%
Cu 324.752†	89745.4	0.5024 mg/L	0.00789	0.5024 mg/L	0.00789	1.57%
						QC value within limits for Cu 324.752 Recovery = 100.48%
Fe 234.349†	2908.1	2.500 mg/L	0.0062	2.500 mg/L	0.0062	0.25%
						QC value within limits for Fe 234.349 Recovery = 99.98%
Fe 238.204†	294456.4	2.478 mg/L	0.0524	2.478 mg/L	0.0524	2.11%
						QC value within limits for Fe 238.204 Recovery = 99.11%
K 766.490†	44606.5	24.19 mg/L	0.038	24.19 mg/L	0.038	0.16%
						QC value within limits for K 766.490 Recovery = 96.76%
Li 670.784†	15897.3	0.4916 mg/L	0.00152	0.4916 mg/L	0.00152	0.31%
						QC value within limits for Li 670.784 Recovery = 98.33%
Mg 279.077†	57611.4	5.045 mg/L	0.1120	5.045 mg/L	0.1120	2.22%
						QC value within limits for Mg 279.077 Recovery = 100.90%
Mn 257.610†	291795.5	0.5132 mg/L	0.01068	0.5132 mg/L	0.01068	2.08%
						QC value within limits for Mn 257.610 Recovery = 102.63%
Mo 202.031†	9419.7	0.5008 mg/L	0.00111	0.5008 mg/L	0.00111	0.22%
						QC value within limits for Mo 202.031 Recovery = 100.17%
Na 589.592†	153937.7	25.28 mg/L	0.060	25.28 mg/L	0.060	0.24%
						QC value within limits for Na 589.592 Recovery = 101.13%
Ni 231.604†	14427.1	0.5083 mg/L	0.01116	0.5083 mg/L	0.01116	2.20%
						QC value within limits for Ni 231.604 Recovery = 101.66%
P 214.914†	8188.3	4.893 mg/L	0.0001	4.893 mg/L	0.0001	0.00%
						QC value within limits for P 214.914 Recovery = 97.85%
Pb 220.353†	5800.2	0.4949 mg/L	0.00273	0.4949 mg/L	0.00273	0.55%
						QC value within limits for Pb 220.353 Recovery = 98.99%
Sb 206.836†	575.5	0.4829 mg/L	0.00573	0.4829 mg/L	0.00573	1.19%
						QC value within limits for Sb 206.836 Recovery = 96.58%
Se 196.026†	1036.1	1.004 mg/L	0.0033	1.004 mg/L	0.0033	0.33%
						QC value within limits for Se 196.026 Recovery = 100.43%
Sn 189.927†	2305.6	0.5259 mg/L	0.00159	0.5259 mg/L	0.00159	0.30%
						QC value within limits for Sn 189.927 Recovery = 105.19%
Sr 407.771†	46162.0	0.0489 mg/L	0.00012	0.0489 mg/L	0.00012	0.25%
						QC value within limits for Sr 407.771 Recovery = 97.76%
Ti 337.279†	349758.1	0.4929 mg/L	0.00044	0.4929 mg/L	0.00044	0.09%

QC value within limits for Ti 337.279 Recovery = 98.57%
 Tl 190.801† 729.2 0.4998 mg/L 0.00071 0.4998 mg/L 0.00071 0.14%
 QC value within limits for Tl 190.801 Recovery = 99.96%
 V 292.402† 80731.6 0.5093 mg/L 0.00996 0.5093 mg/L 0.00996 1.96%
 QC value within limits for V 292.402 Recovery = 101.86%
 Zn 213.857† 49429.5 0.5266 mg/L 0.01102 0.5266 mg/L 0.01102 2.09%
 QC value within limits for Zn 213.857 Recovery = 105.33%
 All analyte(s) passed QC.

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Sequence No.: 38	Autosampler Location: 1
Sample ID: CCB1	Date Collected: 10/6/2012 6:19:03 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	4.3	0.0	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	18:21:00
1	Fe 234.349†	-12.2	-6.2	0.0132 mg/L	0.0132 mg/L	0.0132 mg/L	18:21:00
1	K 766.490†	309.6	134.9	0.2698 mg/L	0.2698 mg/L	0.2698 mg/L	18:20:50
1	Li 670.784†	-166.4	12.3	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	18:20:50
1	Na 589.592†	4004.7	3776.4	0.7190 mg/L	0.7190 mg/L	0.7190 mg/L	18:20:50
1	Sr 407.771†	167.2	33.0	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	18:20:50
1	Y 371.029	2526043.9	2526043.9	1.02 mg/L	1.02 mg/L	1.02 mg/L	18:21:24
1	Ag 328.068†	1387.8	-23.4	-0.0017 mg/L	-0.0017 mg/L	-0.0017 mg/L	18:21:27
1	Al 237.313†	-121.5	8.3	-0.0067 mg/L	-0.0067 mg/L	-0.0067 mg/L	18:21:37
1	As 188.979†	1.0	-2.0	-0.0009 mg/L	-0.0009 mg/L	-0.0009 mg/L	18:21:37
1	B 182.528†	2.3	-0.4	0.0045 mg/L	0.0045 mg/L	0.0045 mg/L	18:21:37
1	Ba 233.527†	-31.3	23.7	-0.0016 mg/L	-0.0016 mg/L	-0.0016 mg/L	18:21:37
1	Be 313.107†	-436.4	88.0	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	18:21:27
1	Ca 315.887†	1573.1	1390.8	-0.0031 mg/L	-0.0031 mg/L	-0.0031 mg/L	18:21:27
1	Cd 228.802†	69.6	5.4	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	18:21:37
1	Co 228.616†	-68.0	-1.8	-0.0028 mg/L	-0.0028 mg/L	-0.0028 mg/L	18:21:37
1	Cr 267.716†	413.2	-3.2	-0.0032 mg/L	-0.0032 mg/L	-0.0032 mg/L	18:21:27
1	Cu 324.752†	1509.9	247.3	-0.0019 mg/L	-0.0019 mg/L	-0.0019 mg/L	18:21:27
1	Fe 238.204†	335.0	171.8	-0.0103 mg/L	-0.0103 mg/L	-0.0103 mg/L	18:21:37
1	Mg 279.077†	176.8	38.4	-0.0344 mg/L	-0.0344 mg/L	-0.0344 mg/L	18:21:27
1	Mn 257.610†	647.8	-533.0	-0.0038 mg/L	-0.0038 mg/L	-0.0038 mg/L	18:21:37
1	Mo 202.031†	24.5	-3.1	-0.0004 mg/L	-0.0004 mg/L	-0.0004 mg/L	18:21:37
1	Ni 231.604†	-31.4	-12.0	-0.0042 mg/L	-0.0042 mg/L	-0.0042 mg/L	18:21:37
1	P 214.914†	369.4	19.5	0.0394 mg/L	0.0394 mg/L	0.0394 mg/L	18:21:37
1	Pb 220.353†	94.8	34.8	-0.0009 mg/L	-0.0009 mg/L	-0.0009 mg/L	18:21:37
1	Sb 206.836†	33.0	-4.5	-0.0049 mg/L	-0.0049 mg/L	-0.0049 mg/L	18:21:37
1	Se 196.026†	2.7	2.6	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	18:21:37
1	Sn 189.927†	9.1	6.1	-0.0013 mg/L	-0.0013 mg/L	-0.0013 mg/L	18:21:37
1	Ti 337.279†	-187.1	275.6	-0.0017 mg/L	-0.0017 mg/L	-0.0017 mg/L	18:21:27
1	Tl 190.801†	1.4	-0.6	-0.0049 mg/L	-0.0049 mg/L	-0.0049 mg/L	18:21:37
1	V 292.402†	-620.6	74.5	-0.0017 mg/L	-0.0017 mg/L	-0.0017 mg/L	18:21:27
1	Zn 213.857†	1648.7	815.5	0.0077 mg/L	0.0077 mg/L	0.0077 mg/L	18:21:37
2	B 249.677†	3.7	-0.6	0.0023 mg/L	0.0023 mg/L	0.0023 mg/L	18:21:21
2	Fe 234.349†	-10.2	-4.1	0.0150 mg/L	0.0150 mg/L	0.0150 mg/L	18:21:21
2	K 766.490†	318.4	139.0	0.2720 mg/L	0.2720 mg/L	0.2720 mg/L	18:21:11
2	Li 670.784†	-191.7	-9.8	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	18:21:11
2	Na 589.592†	3876.4	3596.5	0.6896 mg/L	0.6896 mg/L	0.6896 mg/L	18:21:11
2	Sr 407.771†	158.9	22.7	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	18:21:11
2	Y 371.029	2562484.6	2562484.6	1.03 mg/L	1.03 mg/L	1.03 mg/L	18:21:39
2	Ag 328.068†	1359.5	-70.1	-0.0021 mg/L	-0.0021 mg/L	-0.0021 mg/L	18:21:41
2	Al 237.313†	-101.5	29.4	-0.0040 mg/L	-0.0040 mg/L	-0.0040 mg/L	18:21:52
2	As 188.979†	-3.1	-5.9	-0.0058 mg/L	-0.0058 mg/L	-0.0058 mg/L	18:21:52
2	B 182.528†	1.9	-0.8	0.0037 mg/L	0.0037 mg/L	0.0037 mg/L	18:21:52
2	Ba 233.527†	-58.4	-2.1	-0.0019 mg/L	-0.0019 mg/L	-0.0019 mg/L	18:21:52
2	Be 313.107†	-405.4	124.0	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	18:21:41
2	Ca 315.887†	1581.1	1376.6	-0.0033 mg/L	-0.0033 mg/L	-0.0033 mg/L	18:21:41
2	Cd 228.802†	68.0	2.9	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	18:21:52
2	Co 228.616†	-58.5	8.4	-0.0025 mg/L	-0.0025 mg/L	-0.0025 mg/L	18:21:52
2	Cr 267.716†	391.5	-29.9	-0.0035 mg/L	-0.0035 mg/L	-0.0035 mg/L	18:21:41
2	Cu 324.752†	1522.2	238.2	-0.0020 mg/L	-0.0020 mg/L	-0.0020 mg/L	18:21:41
2	Fe 238.204†	311.7	144.6	-0.0105 mg/L	-0.0105 mg/L	-0.0105 mg/L	18:21:52
2	Mg 279.077†	102.9	-35.4	-0.0409 mg/L	-0.0409 mg/L	-0.0409 mg/L	18:21:41
2	Mn 257.610†	586.7	-601.1	-0.0039 mg/L	-0.0039 mg/L	-0.0039 mg/L	18:21:52

2	Mo 202.031†	40.2	11.7	0.0004 mg/L	0.0004 mg/L	18:21:52
2	Ni 231.604†	-24.3	-4.7	-0.0039 mg/L	-0.0039 mg/L	18:21:52
2	P 214.914†	363.9	9.0	0.0332 mg/L	0.0332 mg/L	18:21:52
2	Pb 220.353†	93.5	32.3	-0.0011 mg/L	-0.0011 mg/L	18:21:52
2	Sb 206.836†	31.9	-6.0	-0.0062 mg/L	-0.0062 mg/L	18:21:52
2	Se 196.026†	8.7	8.4	0.0066 mg/L	0.0066 mg/L	18:21:52
2	Sn 189.927†	-0.3	-3.2	-0.0034 mg/L	-0.0034 mg/L	18:21:52
2	Ti 337.279†	-167.3	297.4	-0.0016 mg/L	-0.0016 mg/L	18:21:41
2	Tl 190.801†	5.8	3.6	-0.0020 mg/L	-0.0020 mg/L	18:21:52
2	V 292.402†	-672.9	32.6	-0.0020 mg/L	-0.0020 mg/L	18:21:41
2	Zn 213.857†	1651.5	795.3	0.0075 mg/L	0.0075 mg/L	18:21:52

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2544264.2	1.03 mg/L		0.010			1.01%
Ag 328.068†	-46.7	-0.0019 mg/L		0.00028	-0.0019 mg/L	0.00028	14.63%
QC value within limits for Ag 328.068			Recovery =	Not calculated			
Al 237.313†	18.8	-0.0054 mg/L		0.00192	-0.0054 mg/L	0.00192	35.82%
QC value within limits for Al 237.313			Recovery =	Not calculated			
As 188.979†	-4.0	-0.0034 mg/L		0.00345	-0.0034 mg/L	0.00345	102.75%
QC value within limits for As 188.979			Recovery =	Not calculated			
B 182.528†	-0.6	0.0041 mg/L		0.00060	0.0041 mg/L	0.00060	14.52%
QC value within limits for B 182.528			Recovery =	Not calculated			
B 249.677†	-0.3	0.0025 mg/L		0.00027	0.0025 mg/L	0.00027	10.79%
QC value within limits for B 249.677			Recovery =	Not calculated			
Ba 233.527†	10.8	-0.0018 mg/L		0.00025	-0.0018 mg/L	0.00025	14.35%
QC value within limits for Ba 233.527			Recovery =	Not calculated			
Be 313.107†	106.0	-0.0001 mg/L		0.00002	-0.0001 mg/L	0.00002	15.23%
QC value within limits for Be 313.107			Recovery =	Not calculated			
Ca 315.887†	1383.7	-0.0032 mg/L		0.00010	-0.0032 mg/L	0.00010	3.03%
QC value within limits for Ca 315.887			Recovery =	Not calculated			
Cd 228.802†	4.2	0.0001 mg/L		0.00005	0.0001 mg/L	0.00005	36.56%
QC value within limits for Cd 228.802			Recovery =	Not calculated			
Co 228.616†	3.3	-0.0027 mg/L		0.00018	-0.0027 mg/L	0.00018	6.81%
QC value less than the lower limit for Co 228.616			Recovery =	Not calculated			
Cr 267.716†	-16.6	-0.0034 mg/L		0.00021	-0.0034 mg/L	0.00021	6.11%
QC value within limits for Cr 267.716			Recovery =	Not calculated			
Cu 324.752†	242.8	-0.0020 mg/L		0.00004	-0.0020 mg/L	0.00004	1.85%
QC value within limits for Cu 324.752			Recovery =	Not calculated			
Fe 234.349†	-5.2	0.0141 mg/L		0.00124	0.0141 mg/L	0.00124	8.79%
QC value within limits for Fe 234.349			Recovery =	Not calculated			
Fe 238.204†	158.2	-0.0104 mg/L		0.00016	-0.0104 mg/L	0.00016	1.57%
QC value within limits for Fe 238.204			Recovery =	Not calculated			
K 766.490†	137.0	0.2709 mg/L		0.00158	0.2709 mg/L	0.00158	0.58%
QC value greater than the upper limit for K 766.490			Recovery =	Not calculated			
Li 670.784†	1.3	0.0006 mg/L		0.00048	0.0006 mg/L	0.00048	77.89%
QC value within limits for Li 670.784			Recovery =	Not calculated			
Mg 279.077†	1.5	-0.0377 mg/L		0.00460	-0.0377 mg/L	0.00460	12.22%
QC value less than the lower limit for Mg 279.077			Recovery =	Not calculated			
Mn 257.610†	-567.0	-0.0039 mg/L		0.00009	-0.0039 mg/L	0.00009	2.20%
QC value less than the lower limit for Mn 257.610			Recovery =	Not calculated			
Mo 202.031†	4.3	0.0000 mg/L		0.00056	0.0000 mg/L	0.00056	>999.9%
QC value within limits for Mo 202.031			Recovery =	Not calculated			
Na 589.592†	3686.4	0.7043 mg/L		0.02081	0.7043 mg/L	0.02081	2.95%
QC value greater than the upper limit for Na 589.592			Recovery =	Not calculated			
Ni 231.604†	-8.3	-0.0041 mg/L		0.00018	-0.0041 mg/L	0.00018	4.48%
QC value less than the lower limit for Ni 231.604			Recovery =	Not calculated			
P 214.914†	14.3	0.0363 mg/L		0.00442	0.0363 mg/L	0.00442	12.17%
QC value greater than the upper limit for P 214.914			Recovery =	Not calculated			
Pb 220.353†	33.5	-0.0010 mg/L		0.00016	-0.0010 mg/L	0.00016	15.58%
QC value within limits for Pb 220.353			Recovery =	Not calculated			
Sb 206.836†	-5.2	-0.0056 mg/L		0.00090	-0.0056 mg/L	0.00090	16.21%
QC value within limits for Sb 206.836			Recovery =	Not calculated			
Se 196.026†	5.5	0.0038 mg/L		0.00394	0.0038 mg/L	0.00394	102.85%
QC value within limits for Se 196.026			Recovery =	Not calculated			
Sn 189.927†	1.4	-0.0023 mg/L		0.00148	-0.0023 mg/L	0.00148	63.46%
QC value within limits for Sn 189.927			Recovery =	Not calculated			
Sr 407.771†	27.8	0.0005 mg/L		0.00001	0.0005 mg/L	0.00001	1.59%
QC value within limits for Sr 407.771			Recovery =	Not calculated			
Ti 337.279†	286.5	-0.0017 mg/L		0.00002	-0.0017 mg/L	0.00002	1.32%
QC value less than the lower limit for Ti 337.279			Recovery =	Not calculated			

Tl 190.801† 1.5 -0.0034 mg/L 0.00204 -0.0034 mg/L 0.00204 59.99%
 QC value within limits for Tl 190.801 Recovery = Not calculated
 V 292.402† 53.6 -0.0018 mg/L 0.00018 -0.0018 mg/L 0.00018 10.02%
 QC value less than the lower limit for V 292.402 Recovery = Not calculated
 Zn 213.857† 805.4 0.0076 mg/L 0.00015 0.0076 mg/L 0.00015 2.04%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 39 Autosampler Location: 39
 Sample ID: CJ20511-MS1 Date Collected: 10/6/2012 6:23:29 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CJ20511-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	912.4	1006.6	0.5875 mg/L	0.5875 mg/L	18:25:18
1	Fe 234.349†	8115.1	8996.0	7.445 mg/L	7.445 mg/L	18:25:18
1	K 766.490†	63643.8	70338.5	38.03 mg/L	38.03 mg/L	18:25:15
1	Li 670.784†	20823.4	23244.5	0.7186 mg/L	0.7186 mg/L	18:25:18
1	Na 589.592†	8551488.7	9473536.5	1550 mg/L	1550 mg/L	18:25:13
1	Sr 407.771†	696552.7	771538.5	0.8098 mg/L	0.8098 mg/L	18:25:15
1	Y 371.029	2235886.5	2235886.5	0.903 mg/L	0.903 mg/L	18:25:34
1	Ag 328.068†	30262.8	32142.1	0.2726 mg/L	0.2726 mg/L	18:25:36
1	Al 237.313†	23533.8	26199.2	3.380 mg/L	3.380 mg/L	18:25:46
1	As 188.979†	371.7	408.8	0.5140 mg/L	0.5140 mg/L	18:25:46
1	B 182.528†	229.0	251.0	0.4953 mg/L	0.4953 mg/L	18:25:46
1	Ba 233.527†	75504.6	83701.5	1.156 mg/L	1.156 mg/L	18:25:36
1	Be 313.107†	77698.6	86593.5	0.0516 mg/L	0.0516 mg/L	18:25:36
1	Ca 315.887†	29569869.4	32758552.5	308.6 mg/L	308.6 mg/L	18:25:30
1	Cd 228.802†	12845.1	14167.5	0.4996 mg/L	0.4996 mg/L	18:25:46
1	Co 228.616†	20099.1	22331.5	0.5572 mg/L	0.5572 mg/L	18:25:46
1	Cr 267.716†	41708.1	45797.6	0.5018 mg/L	0.5018 mg/L	18:25:36
1	Cu 324.752†	1549379.0	1715231.9	9.655 mg/L	9.655 mg/L	18:25:34
1	Fe 238.204†	713838.5	790662.7	6.672 mg/L	6.672 mg/L	18:25:36
1	Mg 279.077†	118359.7	130988.8	11.52 mg/L	11.52 mg/L	18:25:36
1	Mn 257.610†	1541458.0	1706521.6	3.015 mg/L	3.015 mg/L	18:25:34
1	Mo 202.031†	8524.9	9417.1	0.4927 mg/L	0.4927 mg/L	18:25:46
1	Ni 231.604†	15295.4	16963.6	0.5982 mg/L	0.5982 mg/L	18:25:46
1	P 214.914†	12427.5	13425.0	7.848 mg/L	7.848 mg/L	18:25:46
1	Pb 220.353†	92390.0	102295.2	8.736 mg/L	8.736 mg/L	18:25:36
1	Sb 206.836†	611.9	641.0	0.5358 mg/L	0.5358 mg/L	18:25:46
1	Se 196.026†	1096.1	1214.3	1.179 mg/L	1.179 mg/L	18:25:46
1	Sn 189.927†	1585.1	1753.1	0.4163 mg/L	0.4163 mg/L	18:25:46
1	Ti 337.279†	331584.6	367802.0	0.5184 mg/L	0.5184 mg/L	18:25:36
1	Tl 190.801†	631.3	697.3	0.4743 mg/L	0.4743 mg/L	18:25:46
1	V 292.402†	75101.4	83883.4	0.5281 mg/L	0.5281 mg/L	18:25:36
1	Zn 213.857†	5826140.7	6453634.5	69.36 mg/L	69.36 mg/L	18:25:34
2	B 249.677†	919.0	999.7	0.5835 mg/L	0.5835 mg/L	18:25:25
2	Fe 234.349†	7973.3	8714.7	7.210 mg/L	7.210 mg/L	18:25:25
2	K 766.490†	63385.1	69065.0	37.35 mg/L	37.35 mg/L	18:25:23
2	Li 670.784†	20615.8	22693.5	0.7016 mg/L	0.7016 mg/L	18:25:25
2	Na 589.592†	8607363.0	9401430.5	1538 mg/L	1538 mg/L	18:25:20
2	Sr 407.771†	694530.8	758485.5	0.7961 mg/L	0.7961 mg/L	18:25:23
2	Y 371.029	2267755.8	2267755.8	0.916 mg/L	0.916 mg/L	18:25:53
2	Ag 328.068†	29870.9	31243.0	0.2649 mg/L	0.2649 mg/L	18:25:55
2	Al 237.313†	23124.4	25385.6	3.275 mg/L	3.275 mg/L	18:26:06
2	As 188.979†	366.8	397.6	0.5000 mg/L	0.5000 mg/L	18:26:06
2	B 182.528†	219.7	237.4	0.4686 mg/L	0.4686 mg/L	18:26:06
2	Ba 233.527†	74437.2	81360.1	1.124 mg/L	1.124 mg/L	18:25:55
2	Be 313.107†	75961.3	83486.2	0.0498 mg/L	0.0498 mg/L	18:25:55
2	Ca 315.887†	29388123.0	32099670.3	302.4 mg/L	302.4 mg/L	18:25:50
2	Cd 228.802†	12671.7	13778.1	0.4859 mg/L	0.4859 mg/L	18:26:06
2	Co 228.616†	19803.6	21695.8	0.5413 mg/L	0.5413 mg/L	18:26:06
2	Cr 267.716†	41066.5	44447.4	0.4869 mg/L	0.4869 mg/L	18:25:55
2	Cu 324.752†	1580733.8	1725357.9	9.712 mg/L	9.712 mg/L	18:25:53
2	Fe 238.204†	701373.7	765934.1	6.463 mg/L	6.463 mg/L	18:25:55
2	Mg 279.077†	116266.0	126859.2	11.16 mg/L	11.16 mg/L	18:25:55
2	Mn 257.610†	1568295.3	1711836.7	3.024 mg/L	3.024 mg/L	18:25:53
2	Mo 202.031†	8387.8	9134.6	0.4777 mg/L	0.4777 mg/L	18:26:06

2	Ni 231.604†	15083.7	16494.3	0.5815 mg/L	0.5815 mg/L	18:26:06
2	P 214.914†	12276.0	13066.0	7.633 mg/L	7.633 mg/L	18:26:06
2	Pb 220.353†	90807.7	99128.6	8.463 mg/L	8.463 mg/L	18:25:55
2	Sb 206.836†	605.5	624.6	0.5220 mg/L	0.5220 mg/L	18:26:06
2	Se 196.026†	1069.6	1168.2	1.135 mg/L	1.135 mg/L	18:26:06
2	Sn 189.927†	1578.6	1721.3	0.4084 mg/L	0.4084 mg/L	18:26:06
2	Ti 337.279†	326206.8	356765.6	0.5028 mg/L	0.5028 mg/L	18:25:55
2	Tl 190.801†	629.5	685.6	0.4663 mg/L	0.4663 mg/L	18:26:06
2	V 292.402†	73916.3	81419.7	0.5125 mg/L	0.5125 mg/L	18:25:55
2	Zn 213.857†	5897385.5	6440747.5	69.22 mg/L	69.22 mg/L	18:25:53

Mean Data: CJ20511-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	2251821.1	0.909	mg/L	0.0091			1.00%
Ag 328.068†	31692.6	0.2688	mg/L	0.00542	0.2688 mg/L	0.00542	2.02%
Al 237.313†	25792.4	3.327	mg/L	0.0744	3.327 mg/L	0.0744	2.24%
As 188.979†	403.2	0.5070	mg/L	0.00992	0.5070 mg/L	0.00992	1.96%
B 182.528†	244.2	0.4819	mg/L	0.01886	0.4819 mg/L	0.01886	3.91%
B 249.677†	1003.2	0.5855	mg/L	0.00285	0.5855 mg/L	0.00285	0.49%
Ba 233.527†	82530.8	1.140	mg/L	0.0229	1.140 mg/L	0.0229	2.01%
Be 313.107†	85039.9	0.0507	mg/L	0.00131	0.0507 mg/L	0.00131	2.59%
Ca 315.887†	32429111.4	305.5	mg/L	4.39	305.5 mg/L	4.39	1.44%
Cd 228.802†	13972.8	0.4928	mg/L	0.00971	0.4928 mg/L	0.00971	1.97%
Co 228.616†	22013.6	0.5493	mg/L	0.01127	0.5493 mg/L	0.01127	2.05%
Cr 267.716†	45122.5	0.4943	mg/L	0.01053	0.4943 mg/L	0.01053	2.13%
Cu 324.752†	1720294.9	9.684	mg/L	0.0403	9.684 mg/L	0.0403	0.42%
Fe 234.349†	8855.4	7.328	mg/L	0.1664	7.328 mg/L	0.1664	2.27%
Fe 238.204†	778298.4	6.567	mg/L	0.1478	6.567 mg/L	0.1478	2.25%
K 766.490†	69701.7	37.69	mg/L	0.484	37.69 mg/L	0.484	1.29%
Li 670.784†	22969.0	0.7101	mg/L	0.01204	0.7101 mg/L	0.01204	1.69%
Mg 279.077†	128924.0	11.34	mg/L	0.258	11.34 mg/L	0.258	2.27%
Mn 257.610†	1709179.2	3.019	mg/L	0.0066	3.019 mg/L	0.0066	0.22%
Mo 202.031†	9275.9	0.4852	mg/L	0.01063	0.4852 mg/L	0.01063	2.19%
Na 589.592†	9437483.5	1544	mg/L	8.3	1544 mg/L	8.3	0.54%
Ni 231.604†	16729.0	0.5898	mg/L	0.01178	0.5898 mg/L	0.01178	2.00%
P 214.914†	13245.5	7.741	mg/L	0.1521	7.741 mg/L	0.1521	1.96%
Pb 220.353†	100711.9	8.600	mg/L	0.1931	8.600 mg/L	0.1931	2.25%
Sb 206.836†	632.8	0.5289	mg/L	0.00975	0.5289 mg/L	0.00975	1.84%
Se 196.026†	1191.2	1.157	mg/L	0.0317	1.157 mg/L	0.0317	2.74%
Sn 189.927†	1737.2	0.4123	mg/L	0.00558	0.4123 mg/L	0.00558	1.35%
Sr 407.771†	765012.0	0.8030	mg/L	0.00968	0.8030 mg/L	0.00968	1.21%
Ti 337.279†	362283.8	0.5106	mg/L	0.01104	0.5106 mg/L	0.01104	2.16%
Tl 190.801†	691.5	0.4703	mg/L	0.00563	0.4703 mg/L	0.00563	1.20%
V 292.402†	82651.6	0.5203	mg/L	0.01101	0.5203 mg/L	0.01101	2.12%
Zn 213.857†	6447191.0	69.29	mg/L	0.098	69.29 mg/L	0.098	0.14%

Sequence No.: 40

Sample ID: CJ20511-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 40

Date Collected: 10/6/2012 6:29:16 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20511-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	27.3	22.7	0.0158 mg/L	0.0158 mg/L	18:31:08
1	Fe 234.349†	1183.7	1170.7	0.9674 mg/L	0.9674 mg/L	18:31:08
1	K 766.490†	1986.1	1785.9	1.158 mg/L	1.158 mg/L	18:30:58
1	Li 670.784†	-47.9	128.3	0.0045 mg/L	0.0045 mg/L	18:30:58
1	Na 589.592†	1928393.5	1897685.3	310.5 mg/L	310.5 mg/L	18:30:56
1	Sr 407.771†	138416.5	136092.1	0.1432 mg/L	0.1432 mg/L	18:30:58
1	Y 371.029	2516889.0	2516889.0	1.02 mg/L		18:31:30
1	Ag 328.068†	1251.0	-153.1	-0.0027 mg/L	-0.0027 mg/L	18:31:32
1	Al 237.313†	991.3	1103.1	0.1347 mg/L	0.1347 mg/L	18:31:42
1	As 188.979†	-19.1	-21.8	-0.0252 mg/L	-0.0252 mg/L	18:31:42
1	B 182.528†	-11.2	-13.7	-0.0214 mg/L	-0.0214 mg/L	18:31:42
1	Ba 233.527†	9543.9	9447.1	0.1288 mg/L	0.1288 mg/L	18:31:32
1	Be 313.107†	-421.8	100.8	-0.0001 mg/L	-0.0001 mg/L	18:31:32
1	Ca 315.887†	6543116.1	6439281.1	60.64 mg/L	60.64 mg/L	18:31:27

1	Cd 228.802†	1305.2	1221.7	0.0434 mg/L	0.0434 mg/L	18:31:42
1	Co 228.616†	525.1	581.6	0.0119 mg/L	0.0119 mg/L	18:31:42
1	Cr 267.716†	481.2	65.2	-0.0025 mg/L	-0.0025 mg/L	18:31:32
1	Cu 324.752†	319459.1	313163.7	1.760 mg/L	1.760 mg/L	18:31:30
1	Fe 238.204†	100776.7	99023.0	0.8252 mg/L	0.8252 mg/L	18:31:32
1	Mg 279.077†	16285.6	15892.6	1.366 mg/L	1.366 mg/L	18:31:32
1	Mn 257.610†	293947.6	288121.5	0.5065 mg/L	0.5065 mg/L	18:31:30
1	Mo 202.031†	48.2	20.3	-0.0007 mg/L	-0.0007 mg/L	18:31:42
1	Ni 231.604†	660.9	669.2	0.0199 mg/L	0.0199 mg/L	18:31:42
1	P 214.914†	1136.3	775.6	0.4585 mg/L	0.4585 mg/L	18:31:42
1	Pb 220.353†	19749.5	19378.4	1.645 mg/L	1.645 mg/L	18:31:32
1	Sb 206.836†	45.8	8.3	0.0053 mg/L	0.0053 mg/L	18:31:42
1	Se 196.026†	-4.8	-4.8	-0.0057 mg/L	-0.0057 mg/L	18:31:42
1	Sn 189.927†	-388.9	-385.6	-0.0869 mg/L	-0.0869 mg/L	18:31:42
1	Ti 337.279†	-113.3	347.7	-0.0016 mg/L	-0.0016 mg/L	18:31:32
1	Tl 190.801†	16.2	14.0	0.0047 mg/L	0.0047 mg/L	18:31:42
1	V 292.402†	-646.1	47.3	-0.0020 mg/L	-0.0020 mg/L	18:31:32
1	Zn 213.857†	1784332.5	1755256.5	18.87 mg/L	18.87 mg/L	18:31:30
2	B 249.677†	21.9	17.3	0.0126 mg/L	0.0126 mg/L	18:31:22
2	Fe 234.349†	1194.6	1174.1	0.9704 mg/L	0.9704 mg/L	18:31:22
2	K 766.490†	1995.6	1782.9	1.156 mg/L	1.156 mg/L	18:31:12
2	Li 670.784†	-82.3	95.0	0.0035 mg/L	0.0035 mg/L	18:31:12
2	Na 589.592†	1900984.4	1858950.5	304.2 mg/L	304.2 mg/L	18:31:10
2	Sr 407.771†	138097.8	134924.3	0.1420 mg/L	0.1420 mg/L	18:31:12
2	Y 371.029	2532810.0	2532810.0	1.02 mg/L	1.02 mg/L	18:31:47
2	Ag 328.068†	1268.5	-143.7	-0.0027 mg/L	-0.0027 mg/L	18:31:50
2	Al 237.313†	964.6	1070.9	0.1305 mg/L	0.1305 mg/L	18:32:00
2	As 188.979†	-20.7	-23.3	-0.0270 mg/L	-0.0270 mg/L	18:32:00
2	B 182.528†	-11.4	-13.8	-0.0216 mg/L	-0.0216 mg/L	18:32:00
2	Ba 233.527†	9471.3	9317.0	0.1270 mg/L	0.1270 mg/L	18:31:50
2	Be 313.107†	-380.0	144.2	-0.0001 mg/L	-0.0001 mg/L	18:31:50
2	Ca 315.887†	6579706.3	6434587.4	60.60 mg/L	60.60 mg/L	18:31:45
2	Cd 228.802†	1305.9	1214.3	0.0431 mg/L	0.0431 mg/L	18:32:00
2	Co 228.616†	540.0	593.0	0.0122 mg/L	0.0122 mg/L	18:32:00
2	Cr 267.716†	496.8	77.5	-0.0024 mg/L	-0.0024 mg/L	18:31:50
2	Cu 324.752†	322875.9	314528.9	1.768 mg/L	1.768 mg/L	18:31:47
2	Fe 238.204†	100306.9	97940.2	0.8161 mg/L	0.8161 mg/L	18:31:50
2	Mg 279.077†	16206.9	15715.0	1.350 mg/L	1.350 mg/L	18:31:50
2	Mn 257.610†	296373.6	288675.6	0.5075 mg/L	0.5075 mg/L	18:31:47
2	Mo 202.031†	55.6	27.2	-0.0003 mg/L	-0.0003 mg/L	18:32:00
2	Ni 231.604†	669.8	673.9	0.0201 mg/L	0.0201 mg/L	18:32:00
2	P 214.914†	1147.5	779.5	0.4607 mg/L	0.4607 mg/L	18:32:00
2	Pb 220.353†	19690.4	19198.5	1.630 mg/L	1.630 mg/L	18:31:50
2	Sb 206.836†	46.4	8.6	0.0056 mg/L	0.0056 mg/L	18:32:00
2	Se 196.026†	-8.8	-8.7	-0.0095 mg/L	-0.0095 mg/L	18:32:00
2	Sn 189.927†	-364.8	-359.7	-0.0810 mg/L	-0.0810 mg/L	18:32:00
2	Ti 337.279†	-257.2	207.6	-0.0018 mg/L	-0.0018 mg/L	18:31:50
2	Tl 190.801†	23.0	20.5	0.0093 mg/L	0.0093 mg/L	18:32:00
2	V 292.402†	-632.5	64.5	-0.0019 mg/L	-0.0019 mg/L	18:31:50
2	Zn 213.857†	1800122.0	1759659.7	18.91 mg/L	18.91 mg/L	18:31:47

Mean Data: CJ20511-SD1 @5

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2524849.5	1.02 mg/L	0.005			0.45%
Ag 328.068†	-148.4	-0.0027 mg/L	0.00006	-0.0027 mg/L	0.00006	2.10%
Al 237.313†	1087.0	0.1326 mg/L	0.00294	0.1326 mg/L	0.00294	2.22%
As 188.979†	-22.5	-0.0261 mg/L	0.00128	-0.0261 mg/L	0.00128	4.90%
B 182.528†	-13.7	-0.0215 mg/L	0.00015	-0.0215 mg/L	0.00015	0.69%
B 249.677†	20.0	0.0142 mg/L	0.00223	0.0142 mg/L	0.00223	15.66%
Ba 233.527†	9382.1	0.1279 mg/L	0.00127	0.1279 mg/L	0.00127	1.00%
Be 313.107†	122.5	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	20.45%
Ca 315.887†	6436934.3	60.62 mg/L	0.031	60.62 mg/L	0.031	0.05%
Cd 228.802†	1218.0	0.0432 mg/L	0.00018	0.0432 mg/L	0.00018	0.41%
Co 228.616†	587.3	0.0120 mg/L	0.00020	0.0120 mg/L	0.00020	1.69%
Cr 267.716†	71.4	-0.0024 mg/L	0.00010	-0.0024 mg/L	0.00010	3.97%
Cu 324.752†	313846.3	1.764 mg/L	0.0054	1.764 mg/L	0.0054	0.31%
Fe 234.349†	1172.4	0.9689 mg/L	0.00208	0.9689 mg/L	0.00208	0.21%
Fe 238.204†	98481.6	0.8206 mg/L	0.00647	0.8206 mg/L	0.00647	0.79%
K 766.490†	1784.4	1.157 mg/L	0.0012	1.157 mg/L	0.0012	0.10%
Li 670.784†	111.6	0.0040 mg/L	0.00073	0.0040 mg/L	0.00073	18.08%
Mg 279.077†	15803.8	1.358 mg/L	0.0111	1.358 mg/L	0.0111	0.82%

Mn 257.610†	288398.5	0.5070 mg/L	0.00069	0.5070 mg/L	0.00069	0.14%
Mo 202.031†	23.8	-0.0005 mg/L	0.00026	-0.0005 mg/L	0.00026	50.04%
Na 589.592†	1878317.9	307.3 mg/L	4.48	307.3 mg/L	4.48	1.46%
Ni 231.604†	671.6	0.0200 mg/L	0.00012	0.0200 mg/L	0.00012	0.58%
P 214.914†	777.5	0.4596 mg/L	0.00155	0.4596 mg/L	0.00155	0.34%
Pb 220.353†	19288.4	1.638 mg/L	0.0110	1.638 mg/L	0.0110	0.67%
Sb 206.836†	8.4	0.0055 mg/L	0.00019	0.0055 mg/L	0.00019	3.40%
Se 196.026†	-6.7	-0.0076 mg/L	0.00270	-0.0076 mg/L	0.00270	35.46%
Sn 189.927†	-372.6	-0.0840 mg/L	0.00416	-0.0840 mg/L	0.00416	4.95%
Sr 407.771†	135508.2	0.1426 mg/L	0.00087	0.1426 mg/L	0.00087	0.61%
Ti 337.279†	277.6	-0.0017 mg/L	0.00014	-0.0017 mg/L	0.00014	8.43%
Tl 190.801†	17.3	0.0070 mg/L	0.00322	0.0070 mg/L	0.00322	46.16%
V 292.402†	55.9	-0.0020 mg/L	0.00008	-0.0020 mg/L	0.00008	3.94%
Zn 213.857†	1757458.1	18.89 mg/L	0.033	18.89 mg/L	0.033	0.18%

Sequence No.: 41
Sample ID: CJ20511-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 10/6/2012 6:33:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20511-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	964.0	1033.0	0.6029 mg/L	0.6029 mg/L	18:35:29
1	Fe 234.349†	8256.6	8889.1	7.368 mg/L	7.368 mg/L	18:35:29
1	K 766.490†	65489.0	70291.9	38.00 mg/L	38.00 mg/L	18:35:19
1	Li 670.784†	22179.0	24038.2	0.7431 mg/L	0.7431 mg/L	18:35:19
1	Na 589.592†	8419118.5	9058102.9	1482 mg/L	1482 mg/L	18:35:16
1	Sr 407.771†	708655.0	762321.4	0.8002 mg/L	0.8002 mg/L	18:35:19
1	Y 371.029	2302232.6	2302232.6	0.929 mg/L	0.929 mg/L	18:35:53
1	Ag 328.068†	29301.2	30141.3	0.2556 mg/L	0.2556 mg/L	18:35:56
1	Al 237.313†	22632.6	24478.2	3.157 mg/L	3.157 mg/L	18:36:06
1	As 188.979†	352.1	375.9	0.4730 mg/L	0.4730 mg/L	18:36:06
1	B 182.528†	223.8	238.2	0.4702 mg/L	0.4702 mg/L	18:36:06
1	Ba 233.527†	72978.8	78573.4	1.085 mg/L	1.085 mg/L	18:35:56
1	Be 313.107†	73923.2	80050.9	0.0477 mg/L	0.0477 mg/L	18:35:56
1	Ca 315.887†	28932067.8	31128285.8	293.2 mg/L	293.2 mg/L	18:35:50
1	Cd 228.802†	12268.0	13136.5	0.4633 mg/L	0.4633 mg/L	18:36:06
1	Co 228.616†	19133.0	20650.3	0.5151 mg/L	0.5151 mg/L	18:36:06
1	Cr 267.716†	40043.8	42675.3	0.4673 mg/L	0.4673 mg/L	18:35:56
1	Cu 324.752†	1553301.5	1669986.7	9.401 mg/L	9.401 mg/L	18:35:53
1	Fe 238.204†	684464.8	736269.0	6.212 mg/L	6.212 mg/L	18:35:56
1	Mg 279.077†	114574.8	123137.9	10.83 mg/L	10.83 mg/L	18:35:56
1	Mn 257.610†	1523210.6	1637676.5	2.893 mg/L	2.893 mg/L	18:35:53
1	Mo 202.031†	8136.8	8727.4	0.4561 mg/L	0.4561 mg/L	18:36:06
1	Ni 231.604†	14831.7	15976.5	0.5631 mg/L	0.5631 mg/L	18:36:06
1	P 214.914†	11801.7	12354.9	7.216 mg/L	7.216 mg/L	18:36:06
1	Pb 220.353†	89524.5	96262.6	8.219 mg/L	8.219 mg/L	18:35:56
1	Sb 206.836†	584.0	591.6	0.4941 mg/L	0.4941 mg/L	18:36:06
1	Se 196.026†	1028.8	1106.9	1.075 mg/L	1.075 mg/L	18:36:06
1	Sn 189.927†	1493.9	1604.5	0.3824 mg/L	0.3824 mg/L	18:36:06
1	Ti 337.279†	307391.9	331186.6	0.4666 mg/L	0.4666 mg/L	18:35:56
1	Tl 190.801†	605.5	649.5	0.4412 mg/L	0.4412 mg/L	18:36:06
1	V 292.402†	72088.8	78244.4	0.4924 mg/L	0.4924 mg/L	18:35:56
1	Zn 213.857†	5816161.6	6256892.7	67.25 mg/L	67.25 mg/L	18:35:53
2	B 249.677†	944.4	1002.2	0.5850 mg/L	0.5850 mg/L	18:35:44
2	Fe 234.349†	8158.5	8699.8	7.207 mg/L	7.207 mg/L	18:35:44
2	K 766.490†	62628.8	66570.7	36.00 mg/L	36.00 mg/L	18:35:34
2	Li 670.784†	20987.0	22539.9	0.6968 mg/L	0.6968 mg/L	18:35:34
2	Na 589.592†	8448129.8	9002468.3	1473 mg/L	1473 mg/L	18:35:32
2	Sr 407.771†	690166.1	735333.8	0.7719 mg/L	0.7719 mg/L	18:35:34
2	Y 371.029	2324442.3	2324442.3	0.938 mg/L	0.938 mg/L	18:36:13
2	Ag 328.068†	29541.2	30095.9	0.2552 mg/L	0.2552 mg/L	18:36:15
2	Al 237.313†	22639.2	24252.6	3.128 mg/L	3.128 mg/L	18:36:25
2	As 188.979†	357.2	377.6	0.4751 mg/L	0.4751 mg/L	18:36:25
2	B 182.528†	225.0	237.1	0.4681 mg/L	0.4681 mg/L	18:36:25
2	Ba 233.527†	73751.7	78646.8	1.086 mg/L	1.086 mg/L	18:36:15
2	Be 313.107†	74168.6	79552.5	0.0474 mg/L	0.0474 mg/L	18:36:15
2	Ca 315.887†	29043027.0	30949100.9	291.5 mg/L	291.5 mg/L	18:36:10
2	Cd 228.802†	12291.9	13035.9	0.4597 mg/L	0.4597 mg/L	18:36:25

2	Co	228.616†	19091.3	20409.2	0.5090 mg/L	0.5090 mg/L	18:36:25
2	Cr	267.716†	40254.7	42488.4	0.4653 mg/L	0.4653 mg/L	18:36:15
2	Cu	324.752†	1571677.0	1673600.0	9.421 mg/L	9.421 mg/L	18:36:13
2	Fe	238.204†	691824.5	737075.3	6.219 mg/L	6.219 mg/L	18:36:15
2	Mg	279.077†	115604.3	123057.0	10.82 mg/L	10.82 mg/L	18:36:15
2	Mn	257.610†	1535631.4	1635253.6	2.889 mg/L	2.889 mg/L	18:36:13
2	Mo	202.031†	8113.8	8619.3	0.4504 mg/L	0.4504 mg/L	18:36:25
2	Ni	231.604†	14815.4	15806.6	0.5571 mg/L	0.5571 mg/L	18:36:25
2	P	214.914†	11852.3	12287.5	7.176 mg/L	7.176 mg/L	18:36:25
2	Pb	220.353†	90901.1	96809.2	8.266 mg/L	8.266 mg/L	18:36:15
2	Sb	206.836†	598.7	601.2	0.5024 mg/L	0.5024 mg/L	18:36:25
2	Se	196.026†	1030.3	1097.8	1.066 mg/L	1.066 mg/L	18:36:25
2	Sn	189.927†	1509.2	1605.4	0.3821 mg/L	0.3821 mg/L	18:36:25
2	Ti	337.279†	307752.3	328410.6	0.4627 mg/L	0.4627 mg/L	18:36:15
2	Tl	190.801†	601.5	638.9	0.4340 mg/L	0.4340 mg/L	18:36:25
2	V	292.402†	72181.1	77601.8	0.4883 mg/L	0.4883 mg/L	18:36:15
2	Zn	213.857†	5849415.6	6232538.2	66.99 mg/L	66.99 mg/L	18:36:13

Mean Data: CJ20511-PDS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2313337.5	0.934 mg/L	0.0063			0.68%
Ag 328.068†	30118.6	0.2554 mg/L	0.00028	0.2554 mg/L	0.00028	0.11%
Al 237.313†	24365.4	3.143 mg/L	0.0206	3.143 mg/L	0.0206	0.66%
As 188.979†	376.7	0.4740 mg/L	0.00148	0.4740 mg/L	0.00148	0.31%
B 182.528†	237.7	0.4692 mg/L	0.00143	0.4692 mg/L	0.00143	0.31%
B 249.677†	1017.6	0.5940 mg/L	0.01267	0.5940 mg/L	0.01267	2.13%
Ba 233.527†	78610.1	1.086 mg/L	0.0007	1.086 mg/L	0.0007	0.07%
Be 313.107†	79801.7	0.0475 mg/L	0.00021	0.0475 mg/L	0.00021	0.44%
Ca 315.887†	31038693.4	292.4 mg/L	1.19	292.4 mg/L	1.19	0.41%
Cd 228.802†	13086.2	0.4615 mg/L	0.00253	0.4615 mg/L	0.00253	0.55%
Co 228.616†	20529.8	0.5121 mg/L	0.00428	0.5121 mg/L	0.00428	0.84%
Cr 267.716†	42581.9	0.4663 mg/L	0.00146	0.4663 mg/L	0.00146	0.31%
Cu 324.752†	1671793.3	9.411 mg/L	0.0144	9.411 mg/L	0.0144	0.15%
Fe 234.349†	8794.5	7.288 mg/L	0.1137	7.288 mg/L	0.1137	1.56%
Fe 238.204†	736672.2	6.215 mg/L	0.0048	6.215 mg/L	0.0048	0.08%
K 766.490†	68431.3	37.00 mg/L	1.415	37.00 mg/L	1.415	3.82%
Li 670.784†	23289.1	0.7200 mg/L	0.03273	0.7200 mg/L	0.03273	4.55%
Mg 279.077†	123097.4	10.83 mg/L	0.005	10.83 mg/L	0.005	0.05%
Mn 257.610†	1636465.1	2.891 mg/L	0.0030	2.891 mg/L	0.0030	0.10%
Mo 202.031†	8673.3	0.4533 mg/L	0.00405	0.4533 mg/L	0.00405	0.89%
Na 589.592†	9030285.6	1477 mg/L	6.4	1477 mg/L	6.4	0.44%
Ni 231.604†	15891.5	0.5601 mg/L	0.00426	0.5601 mg/L	0.00426	0.76%
P 214.914†	12321.2	7.196 mg/L	0.0289	7.196 mg/L	0.0289	0.40%
Pb 220.353†	96535.9	8.242 mg/L	0.0336	8.242 mg/L	0.0336	0.41%
Sb 206.836†	596.4	0.4982 mg/L	0.00582	0.4982 mg/L	0.00582	1.17%
Se 196.026†	1102.4	1.071 mg/L	0.0062	1.071 mg/L	0.0062	0.58%
Sn 189.927†	1605.0	0.3823 mg/L	0.00018	0.3823 mg/L	0.00018	0.05%
Sr 407.771†	748827.6	0.7860 mg/L	0.02002	0.7860 mg/L	0.02002	2.55%
Ti 337.279†	329798.6	0.4646 mg/L	0.00278	0.4646 mg/L	0.00278	0.60%
Tl 190.801†	644.2	0.4376 mg/L	0.00513	0.4376 mg/L	0.00513	1.17%
V 292.402†	77923.1	0.4903 mg/L	0.00286	0.4903 mg/L	0.00286	0.58%
Zn 213.857†	6244715.5	67.12 mg/L	0.185	67.12 mg/L	0.185	0.28%

Sequence No.: 42
Sample ID: 1210159-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 10/6/2012 6:39:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210159-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	723.1	698.5	0.4092 mg/L	0.4092 mg/L	18:41:23
1	Fe 234.349†	199.3	199.4	0.1529 mg/L	0.1529 mg/L	18:41:23
1	K 766.490†	34154.5	33020.0	17.96 mg/L	17.96 mg/L	18:41:13
1	Li 670.784†	-65.8	111.5	0.0040 mg/L	0.0040 mg/L	18:41:13
1	Na 589.592†	817045.1	793790.5	129.9 mg/L	129.9 mg/L	18:41:11
1	Sr 407.771†	69945.6	67836.8	0.0716 mg/L	0.0716 mg/L	18:41:11
1	Y 371.029	2549087.9	2549087.9	1.03 mg/L		18:41:42

1	Ag	328.068†	1244.8	-174.6	-0.0030	mg/L	-0.0030	mg/L	18:41:44
1	Al	237.313†	-26.8	101.4	0.0053	mg/L	0.0053	mg/L	18:41:54
1	As	188.979†	-18.9	-21.3	-0.0249	mg/L	-0.0249	mg/L	18:41:54
1	B	182.528†	184.6	176.8	0.3503	mg/L	0.3503	mg/L	18:41:54
1	Ba	233.527†	297.5	343.5	0.0028	mg/L	0.0028	mg/L	18:41:54
1	Be	313.107†	-521.1	9.5	-0.0002	mg/L	-0.0002	mg/L	18:41:44
1	Ca	315.887†	4458505.7	4332278.5	40.79	mg/L	40.79	mg/L	18:41:42
1	Cd	228.802†	73.4	8.5	0.0004	mg/L	0.0004	mg/L	18:41:54
1	Co	228.616†	-33.4	32.4	-0.0019	mg/L	-0.0019	mg/L	18:41:54
1	Cr	267.716†	561.5	137.3	-0.0017	mg/L	-0.0017	mg/L	18:41:44
1	Cu	324.752†	2489.2	1185.6	0.0034	mg/L	0.0034	mg/L	18:41:44
1	Fe	238.204†	13918.8	13368.5	0.1013	mg/L	0.1013	mg/L	18:41:44
1	Mg	279.077†	42193.8	40865.8	3.567	mg/L	3.567	mg/L	18:41:44
1	Mn	257.610†	85839.4	82243.9	0.1425	mg/L	0.1425	mg/L	18:41:44
1	Mo	202.031†	204.5	171.6	0.0088	mg/L	0.0088	mg/L	18:41:54
1	Ni	231.604†	196.4	209.7	0.0037	mg/L	0.0037	mg/L	18:41:54
1	P	214.914†	821.8	455.8	0.2992	mg/L	0.2992	mg/L	18:41:54
1	Pb	220.353†	61.2	1.4	-0.0038	mg/L	-0.0038	mg/L	18:41:54
1	Sb	206.836†	40.4	2.4	0.0008	mg/L	0.0008	mg/L	18:41:54
1	Se	196.026†	-5.5	-5.4	-0.0066	mg/L	-0.0066	mg/L	18:41:54
1	Sn	189.927†	-318.8	-312.6	-0.0728	mg/L	-0.0728	mg/L	18:41:54
1	Ti	337.279†	1236.6	1660.7	0.0003	mg/L	0.0003	mg/L	18:41:44
1	Tl	190.801†	17.7	15.2	0.0060	mg/L	0.0060	mg/L	18:41:54
1	V	292.402†	-501.6	195.6	-0.0009	mg/L	-0.0009	mg/L	18:41:44
1	Zn	213.857†	6070.7	5097.8	0.0537	mg/L	0.0537	mg/L	18:41:54
2	B	249.677†	723.5	693.2	0.4061	mg/L	0.4061	mg/L	18:41:38
2	Fe	234.349†	192.1	190.9	0.1457	mg/L	0.1457	mg/L	18:41:38
2	K	766.490†	34250.2	32843.1	17.86	mg/L	17.86	mg/L	18:41:28
2	Li	670.784†	-27.0	149.5	0.0052	mg/L	0.0052	mg/L	18:41:28
2	Na	589.592†	826785.8	796740.8	130.4	mg/L	130.4	mg/L	18:41:26
2	Sr	407.771†	70736.6	68048.0	0.0718	mg/L	0.0718	mg/L	18:41:26
2	Y	371.029	2569927.9	2569927.9	1.04	mg/L	1.04	mg/L	18:41:57
2	Ag	328.068†	1280.9	-149.6	-0.0028	mg/L	-0.0028	mg/L	18:41:59
2	Al	237.313†	-127.3	4.8	-0.0072	mg/L	-0.0072	mg/L	18:42:09
2	As	188.979†	-17.7	-20.0	-0.0233	mg/L	-0.0233	mg/L	18:42:09
2	B	182.528†	186.7	177.3	0.3513	mg/L	0.3513	mg/L	18:42:09
2	Ba	233.527†	305.4	348.8	0.0029	mg/L	0.0029	mg/L	18:42:09
2	Be	313.107†	-527.9	7.0	-0.0002	mg/L	-0.0002	mg/L	18:41:59
2	Ca	315.887†	4478174.9	4316104.0	40.64	mg/L	40.64	mg/L	18:41:57
2	Cd	228.802†	75.3	9.8	0.0004	mg/L	0.0004	mg/L	18:42:09
2	Co	228.616†	-30.3	35.7	-0.0018	mg/L	-0.0018	mg/L	18:42:09
2	Cr	267.716†	542.9	114.9	-0.0019	mg/L	-0.0019	mg/L	18:41:59
2	Cu	324.752†	2413.3	1092.8	0.0028	mg/L	0.0028	mg/L	18:41:59
2	Fe	238.204†	13985.9	13323.5	0.1009	mg/L	0.1009	mg/L	18:41:59
2	Mg	279.077†	42482.2	40811.2	3.562	mg/L	3.562	mg/L	18:41:59
2	Mn	257.610†	86310.3	82021.4	0.1421	mg/L	0.1421	mg/L	18:41:59
2	Mo	202.031†	215.4	180.5	0.0093	mg/L	0.0093	mg/L	18:42:09
2	Ni	231.604†	184.6	196.7	0.0032	mg/L	0.0032	mg/L	18:42:09
2	P	214.914†	822.8	450.4	0.2960	mg/L	0.2960	mg/L	18:42:09
2	Pb	220.353†	91.5	30.0	-0.0014	mg/L	-0.0014	mg/L	18:42:09
2	Sb	206.836†	41.8	3.5	0.0017	mg/L	0.0017	mg/L	18:42:09
2	Se	196.026†	-8.5	-8.2	-0.0094	mg/L	-0.0094	mg/L	18:42:09
2	Sn	189.927†	-285.9	-278.4	-0.0651	mg/L	-0.0651	mg/L	18:42:09
2	Ti	337.279†	1099.3	1518.6	0.0001	mg/L	0.0001	mg/L	18:41:59
2	Tl	190.801†	20.0	17.3	0.0075	mg/L	0.0075	mg/L	18:42:09
2	V	292.402†	-494.1	206.9	-0.0008	mg/L	-0.0008	mg/L	18:41:59
2	Zn	213.857†	5810.8	4799.5	0.0505	mg/L	0.0505	mg/L	18:42:09

Mean Data: 1210159-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2559507.9	1.03	mg/L	0.006				0.58%
Ag 328.068†	-162.1	-0.0029	mg/L	0.00015	-0.0029	mg/L	0.00015	5.18%
Al 237.313†	53.1	-0.0009	mg/L	0.00882	-0.0009	mg/L	0.00882	952.68%
As 188.979†	-20.7	-0.0241	mg/L	0.00115	-0.0241	mg/L	0.00115	4.76%
B 182.528†	177.0	0.3508	mg/L	0.00071	0.3508	mg/L	0.00071	0.20%
B 249.677†	695.8	0.4077	mg/L	0.00217	0.4077	mg/L	0.00217	0.53%
Ba 233.527†	346.1	0.0029	mg/L	0.00005	0.0029	mg/L	0.00005	1.80%
Be 313.107†	8.3	-0.0002	mg/L	0.00000	-0.0002	mg/L	0.00000	0.67%
Ca 315.887†	4324191.2	40.72	mg/L	0.108	40.72	mg/L	0.108	0.26%
Cd 228.802†	9.1	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	6.93%
Co 228.616†	34.0	-0.0019	mg/L	0.00006	-0.0019	mg/L	0.00006	3.12%

Cr 267.716†	126.1	-0.0018 mg/L	0.00017	-0.0018 mg/L	0.00017	9.61%
Cu 324.752†	1139.2	0.0031 mg/L	0.00037	0.0031 mg/L	0.00037	11.96%
Fe 234.349†	195.2	0.1493 mg/L	0.00506	0.1493 mg/L	0.00506	3.39%
Fe 238.204†	13346.0	0.1011 mg/L	0.00027	0.1011 mg/L	0.00027	0.27%
K 766.490†	32931.6	17.91 mg/L	0.067	17.91 mg/L	0.067	0.38%
Li 670.784†	130.5	0.0046 mg/L	0.00083	0.0046 mg/L	0.00083	17.96%
Mg 279.077†	40838.5	3.564 mg/L	0.0034	3.564 mg/L	0.0034	0.10%
Mn 257.610†	82132.6	0.1423 mg/L	0.00028	0.1423 mg/L	0.00028	0.20%
Mo 202.031†	176.0	0.0091 mg/L	0.00034	0.0091 mg/L	0.00034	3.72%
Na 589.592†	795265.6	130.2 mg/L	0.34	130.2 mg/L	0.34	0.26%
Ni 231.604†	203.2	0.0034 mg/L	0.00032	0.0034 mg/L	0.00032	9.45%
P 214.914†	453.1	0.2976 mg/L	0.00230	0.2976 mg/L	0.00230	0.77%
Pb 220.353†	15.7	-0.0026 mg/L	0.00175	-0.0026 mg/L	0.00175	67.64%
Sb 206.836†	3.0	0.0013 mg/L	0.00066	0.0013 mg/L	0.00066	52.65%
Se 196.026†	-6.8	-0.0080 mg/L	0.00196	-0.0080 mg/L	0.00196	24.43%
Sn 189.927†	-295.5	-0.0690 mg/L	0.00546	-0.0690 mg/L	0.00546	7.91%
Sr 407.771†	67942.4	0.0717 mg/L	0.00016	0.0717 mg/L	0.00016	0.22%
Ti 337.279†	1589.7	0.0002 mg/L	0.00014	0.0002 mg/L	0.00014	73.40%
Tl 190.801†	16.2	0.0068 mg/L	0.00106	0.0068 mg/L	0.00106	15.62%
V 292.402†	201.3	-0.0009 mg/L	0.00005	-0.0009 mg/L	0.00005	6.06%
Zn 213.857†	4948.7	0.0521 mg/L	0.00227	0.0521 mg/L	0.00227	4.35%

Sequence No.: 43
Sample ID: 1210159-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 10/6/2012 6:43:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210159-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	5411.8	6041.0	3.519	mg/L	3.519	mg/L	18:45:42
1	Fe 234.349†	1584.4	1775.5	1.242	mg/L	1.242	mg/L	18:45:42
1	K 766.490†	314443.9	351075.0	189.0	mg/L	189.0	mg/L	18:45:32
1	Li 670.784†	1477.2	1825.6	0.0570	mg/L	0.0570	mg/L	18:45:42
1	Na 589.592†	6410356.0	7160419.2	1171	mg/L	1171	mg/L	18:45:29
1	Sr 407.771†	516412.9	576718.6	0.6055	mg/L	0.6055	mg/L	18:45:32
1	Y 371.029	2217489.8	2217489.8	0.895	mg/L			18:46:05
1	Ag 328.068†	828.6	-458.6	-0.0053	mg/L	-0.0053	mg/L	18:46:07
1	Al 237.313†	1060.6	1312.2	0.1617	mg/L	0.1617	mg/L	18:46:17
1	As 188.979†	-21.4	-26.9	-0.0313	mg/L	-0.0313	mg/L	18:46:17
1	B 182.528†	1311.3	1462.1	2.859	mg/L	2.859	mg/L	18:46:07
1	Ba 233.527†	2497.3	2843.9	0.0374	mg/L	0.0374	mg/L	18:46:17
1	Be 313.107†	-1068.4	-677.5	-0.0006	mg/L	-0.0006	mg/L	18:46:07
1	Ca 315.887†	31628349.8	35329712.2	332.8	mg/L	332.8	mg/L	18:46:02
1	Cd 228.802†	87.2	34.5	0.0013	mg/L	0.0013	mg/L	18:46:17
1	Co 228.616†	191.9	279.2	0.0043	mg/L	0.0043	mg/L	18:46:17
1	Cr 267.716†	1596.8	1375.3	0.0120	mg/L	0.0120	mg/L	18:46:17
1	Cu 324.752†	5508.3	4919.7	0.0244	mg/L	0.0244	mg/L	18:46:07
1	Fe 238.204†	112313.2	125300.7	1.047	mg/L	1.047	mg/L	18:46:07
1	Mg 279.077†	297594.5	332287.6	29.27	mg/L	29.27	mg/L	18:46:05
1	Mn 257.610†	579969.2	646675.6	1.140	mg/L	1.140	mg/L	18:46:05
1	Mo 202.031†	560.1	598.6	0.0312	mg/L	0.0312	mg/L	18:46:17
1	Ni 231.604†	992.5	1127.5	0.0362	mg/L	0.0362	mg/L	18:46:17
1	P 214.914†	4012.2	4139.1	2.493	mg/L	2.493	mg/L	18:46:17
1	Pb 220.353†	-26.9	-88.2	-0.0119	mg/L	-0.0119	mg/L	18:46:17
1	Sb 206.836†	64.1	34.8	0.0275	mg/L	0.0275	mg/L	18:46:17
1	Se 196.026†	-11.6	-13.1	-0.0135	mg/L	-0.0135	mg/L	18:46:17
1	Sn 189.927†	-573.3	-643.3	-0.1436	mg/L	-0.1436	mg/L	18:46:17
1	Ti 337.279†	11665.2	13489.5	0.0170	mg/L	0.0170	mg/L	18:46:07
1	Tl 190.801†	38.3	40.7	0.0231	mg/L	0.0231	mg/L	18:46:17
1	V 292.402†	54.9	744.4	0.0025	mg/L	0.0025	mg/L	18:46:17
1	Zn 213.857†	27350.7	29750.4	0.3185	mg/L	0.3185	mg/L	18:46:07
2	B 249.677†	5386.2	6070.1	3.536	mg/L	3.536	mg/L	18:45:57
2	Fe 234.349†	1570.0	1776.3	1.239	mg/L	1.239	mg/L	18:45:57
2	K 766.490†	310173.9	349627.5	188.3	mg/L	188.3	mg/L	18:45:47
2	Li 670.784†	1442.3	1802.0	0.0562	mg/L	0.0562	mg/L	18:45:57
2	Na 589.592†	6403659.5	7221526.8	1181	mg/L	1181	mg/L	18:45:45
2	Sr 407.771†	507348.5	572027.4	0.6005	mg/L	0.6005	mg/L	18:45:47
2	Y 371.029	2196429.2	2196429.2	0.887	mg/L			18:46:24
2	Ag 328.068†	900.3	-368.9	-0.0045	mg/L	-0.0045	mg/L	18:46:26

2	Al 237.313†	1098.0	1365.8	0.1687 mg/L	0.1687 mg/L	18:46:36
2	As 188.979†	-15.5	-20.4	-0.0232 mg/L	-0.0232 mg/L	18:46:36
2	B 182.528†	1293.0	1455.5	2.846 mg/L	2.846 mg/L	18:46:26
2	Ba 233.527†	2474.7	2845.3	0.0375 mg/L	0.0375 mg/L	18:46:36
2	Be 313.107†	-1111.6	-737.8	-0.0006 mg/L	-0.0006 mg/L	18:46:26
2	Ca 315.887†	31727846.3	35780681.2	337.0 mg/L	337.0 mg/L	18:46:21
2	Cd 228.802†	83.8	31.7	0.0012 mg/L	0.0012 mg/L	18:46:36
2	Co 228.616†	195.6	285.5	0.0044 mg/L	0.0044 mg/L	18:46:36
2	Cr 267.716†	1601.7	1398.0	0.0122 mg/L	0.0122 mg/L	18:46:36
2	Cu 324.752†	5510.1	4980.7	0.0247 mg/L	0.0247 mg/L	18:46:26
2	Fe 238.204†	111949.7	126093.7	1.054 mg/L	1.054 mg/L	18:46:26
2	Mg 279.077†	295055.1	332611.2	29.30 mg/L	29.30 mg/L	18:46:24
2	Mn 257.610†	575014.1	647299.4	1.142 mg/L	1.142 mg/L	18:46:24
2	Mo 202.031†	555.8	599.7	0.0312 mg/L	0.0312 mg/L	18:46:36
2	Ni 231.604†	984.5	1129.0	0.0363 mg/L	0.0363 mg/L	18:46:36
2	P 214.914†	4025.3	4196.8	2.527 mg/L	2.527 mg/L	18:46:36
2	Pb 220.353†	-5.7	-64.5	-0.0099 mg/L	-0.0099 mg/L	18:46:36
2	Sb 206.836†	69.0	41.0	0.0327 mg/L	0.0327 mg/L	18:46:36
2	Se 196.026†	-12.2	-13.8	-0.0142 mg/L	-0.0142 mg/L	18:46:36
2	Sn 189.927†	-544.5	-616.9	-0.1377 mg/L	-0.1377 mg/L	18:46:36
2	Ti 337.279†	11626.5	13570.8	0.0171 mg/L	0.0171 mg/L	18:46:26
2	Tl 190.801†	40.8	44.0	0.0254 mg/L	0.0254 mg/L	18:46:36
2	V 292.402†	82.7	776.3	0.0027 mg/L	0.0027 mg/L	18:46:36
2	Zn 213.857†	27330.7	30020.8	0.3214 mg/L	0.3214 mg/L	18:46:26

Mean Data: 1210159-02

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2206959.5	0.891 mg/L	0.0060			0.67%
Ag 328.068†	-413.7	-0.0049 mg/L	0.00054	-0.0049 mg/L	0.00054	10.97%
Al 237.313†	1339.0	0.1652 mg/L	0.00489	0.1652 mg/L	0.00489	2.96%
As 188.979†	-23.7	-0.0273 mg/L	0.00572	-0.0273 mg/L	0.00572	20.97%
B 182.528†	1458.8	2.852 mg/L	0.0091	2.852 mg/L	0.0091	0.32%
B 249.677†	6055.5	3.527 mg/L	0.0120	3.527 mg/L	0.0120	0.34%
Ba 233.527†	2844.6	0.0375 mg/L	0.00001	0.0375 mg/L	0.00001	0.03%
Be 313.107†	-707.7	-0.0006 mg/L	0.00003	-0.0006 mg/L	0.00003	4.35%
Ca 315.887†	35555196.7	334.9 mg/L	3.00	334.9 mg/L	3.00	0.90%
Cd 228.802†	33.1	0.0013 mg/L	0.00010	0.0013 mg/L	0.00010	7.60%
Co 228.616†	282.3	0.0043 mg/L	0.00011	0.0043 mg/L	0.00011	2.58%
Cr 267.716†	1386.6	0.0121 mg/L	0.00018	0.0121 mg/L	0.00018	1.46%
Cu 324.752†	4950.2	0.0246 mg/L	0.00024	0.0246 mg/L	0.00024	0.99%
Fe 234.349†	1775.9	1.241 mg/L	0.0022	1.241 mg/L	0.0022	0.18%
Fe 238.204†	125697.2	1.051 mg/L	0.0047	1.051 mg/L	0.0047	0.45%
K 766.490†	350351.3	188.6 mg/L	0.55	188.6 mg/L	0.55	0.29%
Li 670.784†	1813.8	0.0566 mg/L	0.00051	0.0566 mg/L	0.00051	0.91%
Mg 279.077†	332449.4	29.29 mg/L	0.020	29.29 mg/L	0.020	0.07%
Mn 257.610†	646987.5	1.141 mg/L	0.0008	1.141 mg/L	0.0008	0.07%
Mo 202.031†	599.2	0.0312 mg/L	0.00004	0.0312 mg/L	0.00004	0.14%
Na 589.592†	7190973.0	1176 mg/L	7.1	1176 mg/L	7.1	0.60%
Ni 231.604†	1128.3	0.0363 mg/L	0.00004	0.0363 mg/L	0.00004	0.11%
P 214.914†	4167.9	2.510 mg/L	0.0243	2.510 mg/L	0.0243	0.97%
Pb 220.353†	-76.3	-0.0109 mg/L	0.00144	-0.0109 mg/L	0.00144	13.20%
Sb 206.836†	37.9	0.0301 mg/L	0.00369	0.0301 mg/L	0.00369	12.28%
Se 196.026†	-13.4	-0.0139 mg/L	0.00050	-0.0139 mg/L	0.00050	3.58%
Sn 189.927†	-630.1	-0.1407 mg/L	0.00421	-0.1407 mg/L	0.00421	2.99%
Sr 407.771†	574373.0	0.6030 mg/L	0.00348	0.6030 mg/L	0.00348	0.58%
Ti 337.279†	13530.2	0.0171 mg/L	0.00008	0.0171 mg/L	0.00008	0.48%
Tl 190.801†	42.4	0.0242 mg/L	0.00161	0.0242 mg/L	0.00161	6.65%
V 292.402†	760.4	0.0026 mg/L	0.00014	0.0026 mg/L	0.00014	5.45%
Zn 213.857†	29885.6	0.3200 mg/L	0.00206	0.3200 mg/L	0.00206	0.64%

Sequence No.: 44

Autosampler Location: 44

Sample ID: 1210141-01

Date Collected: 10/6/2012 6:49:43 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210141-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	112.4	110.6	0.0671 mg/L	0.0671 mg/L	18:51:38
1	Fe 234.349†	180.1	189.7	0.1398 mg/L	0.1398 mg/L	18:51:38
1	K 766.490†	6847.0	6824.8	3.868 mg/L	3.868 mg/L	18:51:28
1	Li 670.784†	1759.8	1972.9	0.0615 mg/L	0.0615 mg/L	18:51:28
1	Na 589.592†	749871.3	765759.8	125.4 mg/L	125.4 mg/L	18:51:26
1	Sr 407.771†	683555.9	698045.6	0.7327 mg/L	0.7327 mg/L	18:51:26
1	Y 371.029	2425134.5	2425134.5	0.979 mg/L		18:51:57
1	Ag 328.068†	1217.7	-140.5	-0.0027 mg/L	-0.0027 mg/L	18:51:59
1	Al 237.313†	245.4	378.2	0.0411 mg/L	0.0411 mg/L	18:52:09
1	As 188.979†	-16.0	-19.4	-0.0225 mg/L	-0.0225 mg/L	18:52:09
1	B 182.528†	11.0	8.6	0.0221 mg/L	0.0221 mg/L	18:52:09
1	Ba 233.527†	154.5	212.2	0.0010 mg/L	0.0010 mg/L	18:52:09
1	Be 313.107†	-523.7	-19.1	-0.0002 mg/L	-0.0002 mg/L	18:51:59
1	Ca 315.887†	4799759.2	4902270.1	46.16 mg/L	46.16 mg/L	18:51:57
1	Cd 228.802†	69.2	7.9	0.0003 mg/L	0.0003 mg/L	18:52:09
1	Co 228.616†	-71.9	-8.6	-0.0029 mg/L	-0.0029 mg/L	18:52:09
1	Cr 267.716†	1084.6	699.4	0.0045 mg/L	0.0045 mg/L	18:51:59
1	Cu 324.752†	3356.0	2194.5	0.0090 mg/L	0.0090 mg/L	18:51:59
1	Fe 238.204†	10547.5	10616.4	0.0780 mg/L	0.0780 mg/L	18:51:59
1	Mg 279.077†	6343.5	6344.2	0.5218 mg/L	0.5218 mg/L	18:51:59
1	Mn 257.610†	16438.6	15622.0	0.0247 mg/L	0.0247 mg/L	18:51:59
1	Mo 202.031†	290.2	269.3	0.0141 mg/L	0.0141 mg/L	18:52:09
1	Ni 231.604†	97.6	118.5	0.0004 mg/L	0.0004 mg/L	18:52:09
1	P 214.914†	608.6	278.9	0.1938 mg/L	0.1938 mg/L	18:52:09
1	Pb 220.353†	44.1	-13.1	-0.0051 mg/L	-0.0051 mg/L	18:52:09
1	Sb 206.836†	34.6	-1.4	-0.0024 mg/L	-0.0024 mg/L	18:52:09
1	Se 196.026†	-9.3	-9.6	-0.0107 mg/L	-0.0107 mg/L	18:52:09
1	Sn 189.927†	-332.8	-342.8	-0.0797 mg/L	-0.0797 mg/L	18:52:09
1	Ti 337.279†	-124.4	332.1	-0.0016 mg/L	-0.0016 mg/L	18:51:59
1	Tl 190.801†	16.3	14.6	0.0057 mg/L	0.0057 mg/L	18:52:09
1	V 292.402†	-630.0	39.6	-0.0018 mg/L	-0.0018 mg/L	18:51:59
1	Zn 213.857†	2237.1	1483.8	0.0148 mg/L	0.0148 mg/L	18:52:09
2	B 249.677†	109.3	107.0	0.0649 mg/L	0.0649 mg/L	18:51:53
2	Fe 234.349†	178.9	187.7	0.1381 mg/L	0.1381 mg/L	18:51:53
2	K 766.490†	6676.9	6623.7	3.760 mg/L	3.760 mg/L	18:51:43
2	Li 670.784†	1636.9	1840.6	0.0574 mg/L	0.0574 mg/L	18:51:43
2	Na 589.592†	754053.3	766948.3	125.6 mg/L	125.6 mg/L	18:51:40
2	Sr 407.771†	688332.4	700110.0	0.7349 mg/L	0.7349 mg/L	18:51:40
2	Y 371.029	2434881.1	2434881.1	0.983 mg/L		18:52:12
2	Ag 328.068†	1156.9	-207.3	-0.0033 mg/L	-0.0033 mg/L	18:52:14
2	Al 237.313†	218.1	349.4	0.0374 mg/L	0.0374 mg/L	18:52:24
2	As 188.979†	-13.9	-17.1	-0.0197 mg/L	-0.0197 mg/L	18:52:24
2	B 182.528†	8.9	6.5	0.0179 mg/L	0.0179 mg/L	18:52:24
2	Ba 233.527†	151.6	208.7	0.0010 mg/L	0.0010 mg/L	18:52:24
2	Be 313.107†	-454.8	53.1	-0.0001 mg/L	-0.0001 mg/L	18:52:14
2	Ca 315.887†	4814896.5	4898045.4	46.12 mg/L	46.12 mg/L	18:52:12
2	Cd 228.802†	61.8	0.1	0.0001 mg/L	0.0001 mg/L	18:52:24
2	Co 228.616†	-67.5	-3.8	-0.0028 mg/L	-0.0028 mg/L	18:52:24
2	Cr 267.716†	1134.2	745.4	0.0050 mg/L	0.0050 mg/L	18:52:14
2	Cu 324.752†	3350.4	2175.1	0.0089 mg/L	0.0089 mg/L	18:52:14
2	Fe 238.204†	10477.4	10502.0	0.0770 mg/L	0.0770 mg/L	18:52:14
2	Mg 279.077†	6257.1	6230.4	0.5118 mg/L	0.5118 mg/L	18:52:14
2	Mn 257.610†	16481.3	15598.2	0.0247 mg/L	0.0247 mg/L	18:52:14
2	Mo 202.031†	285.9	263.7	0.0138 mg/L	0.0138 mg/L	18:52:24
2	Ni 231.604†	100.5	121.1	0.0005 mg/L	0.0005 mg/L	18:52:24
2	P 214.914†	606.9	274.7	0.1913 mg/L	0.1913 mg/L	18:52:24
2	Pb 220.353†	39.5	-17.9	-0.0055 mg/L	-0.0055 mg/L	18:52:24
2	Sb 206.836†	40.9	4.8	0.0028 mg/L	0.0028 mg/L	18:52:24
2	Se 196.026†	-12.7	-13.0	-0.0141 mg/L	-0.0141 mg/L	18:52:24
2	Sn 189.927†	-328.0	-336.5	-0.0783 mg/L	-0.0783 mg/L	18:52:24
2	Ti 337.279†	-24.5	434.2	-0.0014 mg/L	-0.0014 mg/L	18:52:14
2	Tl 190.801†	14.9	13.2	0.0047 mg/L	0.0047 mg/L	18:52:24
2	V 292.402†	-677.6	-6.3	-0.0021 mg/L	-0.0021 mg/L	18:52:14
2	Zn 213.857†	2219.6	1456.9	0.0145 mg/L	0.0145 mg/L	18:52:24

Mean Data: 1210141-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2430007.8	0.981 mg/L	0.0028			0.28%
Ag 328.068†	-173.9	-0.0030 mg/L	0.00040	-0.0030 mg/L	0.00040	13.45%
Al 237.313†	363.8	0.0392 mg/L	0.00262	0.0392 mg/L	0.00262	6.69%
As 188.979†	-18.2	-0.0211 mg/L	0.00200	-0.0211 mg/L	0.00200	9.49%

B 182.528†	7.5	0.0200 mg/L	0.00292	0.0200 mg/L	0.00292	14.59%
B 249.677†	108.8	0.0660 mg/L	0.00150	0.0660 mg/L	0.00150	2.27%
Ba 233.527†	210.5	0.0010 mg/L	0.00003	0.0010 mg/L	0.00003	3.45%
Be 313.107†	17.0	-0.0002 mg/L	0.00003	-0.0002 mg/L	0.00003	20.09%
Ca 315.887†	4900157.8	46.14 mg/L	0.028	46.14 mg/L	0.028	0.06%
Cd 228.802†	4.0	0.0002 mg/L	0.00020	0.0002 mg/L	0.00020	100.35%
Co 228.616†	-6.2	-0.0029 mg/L	0.00008	-0.0029 mg/L	0.00008	2.92%
Cr 267.716†	722.4	0.0048 mg/L	0.00036	0.0048 mg/L	0.00036	7.51%
Cu 324.752†	2184.8	0.0090 mg/L	0.00008	0.0090 mg/L	0.00008	0.86%
Fe 234.349†	188.7	0.1390 mg/L	0.00119	0.1390 mg/L	0.00119	0.85%
Fe 238.204†	10559.2	0.0775 mg/L	0.00068	0.0775 mg/L	0.00068	0.88%
K 766.490†	6724.2	3.814 mg/L	0.0765	3.814 mg/L	0.0765	2.01%
Li 670.784†	1906.8	0.0595 mg/L	0.00289	0.0595 mg/L	0.00289	4.86%
Mg 279.077†	6287.3	0.5168 mg/L	0.00710	0.5168 mg/L	0.00710	1.37%
Mn 257.610†	15610.1	0.0247 mg/L	0.00003	0.0247 mg/L	0.00003	0.12%
Mo 202.031†	266.5	0.0139 mg/L	0.00021	0.0139 mg/L	0.00021	1.52%
Na 589.592†	766354.1	125.5 mg/L	0.14	125.5 mg/L	0.14	0.11%
Ni 231.604†	119.8	0.0005 mg/L	0.00006	0.0005 mg/L	0.00006	13.01%
P 214.914†	276.8	0.1926 mg/L	0.00177	0.1926 mg/L	0.00177	0.92%
Pb 220.353†	-15.5	-0.0053 mg/L	0.00029	-0.0053 mg/L	0.00029	5.55%
Sb 206.836†	1.7	0.0002 mg/L	0.00369	0.0002 mg/L	0.00369	>999.9%
Se 196.026†	-11.3	-0.0124 mg/L	0.00237	-0.0124 mg/L	0.00237	19.14%
Sn 189.927†	-339.7	-0.0790 mg/L	0.00099	-0.0790 mg/L	0.00099	1.25%
Sr 407.771†	699077.8	0.7338 mg/L	0.00153	0.7338 mg/L	0.00153	0.21%
Ti 337.279†	383.2	-0.0015 mg/L	0.00010	-0.0015 mg/L	0.00010	6.75%
Tl 190.801†	13.9	0.0052 mg/L	0.00071	0.0052 mg/L	0.00071	13.77%
V 292.402†	16.6	-0.0019 mg/L	0.00020	-0.0019 mg/L	0.00020	10.42%
Zn 213.857†	1470.4	0.0147 mg/L	0.00021	0.0147 mg/L	0.00021	1.40%

Sequence No.: 45
Sample ID: CJ20602-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 10/6/2012 6:54:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	117.5	121.0	0.0731	mg/L	0.0731	mg/L	18:56:04
1	Fe 234.349†	-3.8	1.7	0.0190	mg/L	0.0190	mg/L	18:56:04
1	K 766.490†	2558.5	2556.2	1.572	mg/L	1.572	mg/L	18:55:54
1	Li 670.784†	-112.3	55.8	0.0023	mg/L	0.0023	mg/L	18:55:54
1	Na 589.592†	7397032.2	7877875.0	1289	mg/L	1289	mg/L	18:55:44
1	Sr 407.771†	1203.4	1150.7	0.0017	mg/L	0.0017	mg/L	18:55:54
1	Y 371.029	2325772.2	2325772.2	0.939	mg/L			18:56:31
1	Ag 328.068†	1366.2	70.8	-0.0009	mg/L	-0.0009	mg/L	18:56:33
1	Al 237.313†	-84.0	38.1	-0.0029	mg/L	-0.0029	mg/L	18:56:44
1	As 188.979†	-1.5	-4.5	-0.0040	mg/L	-0.0040	mg/L	18:56:44
1	B 182.528†	26.8	25.9	0.0558	mg/L	0.0558	mg/L	18:56:44
1	Ba 233.527†	658.1	755.3	0.0085	mg/L	0.0085	mg/L	18:56:44
1	Be 313.107†	-409.1	80.1	-0.0001	mg/L	-0.0001	mg/L	18:56:33
1	Ca 315.887†	95127.8	101161.7	0.9367	mg/L	0.9367	mg/L	18:56:33
1	Cd 228.802†	67.6	9.2	0.0003	mg/L	0.0003	mg/L	18:56:44
1	Co 228.616†	-63.5	-2.8	-0.0028	mg/L	-0.0028	mg/L	18:56:44
1	Cr 267.716†	435.0	54.9	-0.0026	mg/L	-0.0026	mg/L	18:56:33
1	Cu 324.752†	1822.5	707.8	0.0007	mg/L	0.0007	mg/L	18:56:33
1	Fe 238.204†	1143.7	1061.3	-0.0027	mg/L	-0.0027	mg/L	18:56:44
1	Mg 279.077†	1583.1	1551.1	0.0990	mg/L	0.0990	mg/L	18:56:33
1	Mn 257.610†	1761.7	708.0	-0.0016	mg/L	-0.0016	mg/L	18:56:44
1	Mo 202.031†	-17.7	-46.0	-0.0027	mg/L	-0.0027	mg/L	18:56:44
1	Ni 231.604†	92.4	117.2	0.0004	mg/L	0.0004	mg/L	18:56:44
1	P 214.914†	352.3	32.5	0.0472	mg/L	0.0472	mg/L	18:56:44
1	Pb 220.353†	63.5	9.5	-0.0031	mg/L	-0.0031	mg/L	18:56:44
1	Sb 206.836†	30.1	-4.7	-0.0051	mg/L	-0.0051	mg/L	18:56:44
1	Se 196.026†	6.2	6.6	0.0049	mg/L	0.0049	mg/L	18:56:44
1	Sn 189.927†	-20.6	-24.8	-0.0083	mg/L	-0.0083	mg/L	18:56:44
1	Ti 337.279†	-110.5	341.5	-0.0016	mg/L	-0.0016	mg/L	18:56:33
1	Tl 190.801†	4.8	3.1	-0.0023	mg/L	-0.0023	mg/L	18:56:44
1	V 292.402†	-636.3	5.4	-0.0021	mg/L	-0.0021	mg/L	18:56:33
1	Zn 213.857†	1814.4	1131.2	0.0111	mg/L	0.0111	mg/L	18:56:44
2	B 249.677†	119.9	123.1	0.0743	mg/L	0.0743	mg/L	18:56:28

2	Fe 234.349†	6.9	13.1	0.0288	mg/L	0.0288	mg/L	18:56:28
2	K 766.490†	2491.6	2476.0	1.529	mg/L	1.529	mg/L	18:56:17
2	Li 670.784†	-120.6	47.5	0.0020	mg/L	0.0020	mg/L	18:56:17
2	Na 589.592†	7260475.0	7706497.9	1261	mg/L	1261	mg/L	18:56:07
2	Sr 407.771†	1100.2	1036.9	0.0015	mg/L	0.0015	mg/L	18:56:17
2	Y 371.029	2333600.7	2333600.7	0.942	mg/L			18:56:46
2	Ag 328.068†	1301.6	-2.6	-0.0015	mg/L	-0.0015	mg/L	18:56:48
2	Al 237.313†	-79.7	42.9	-0.0023	mg/L	-0.0023	mg/L	18:56:58
2	As 188.979†	2.3	-0.5	0.0010	mg/L	0.0010	mg/L	18:56:58
2	B 182.528†	29.3	28.5	0.0610	mg/L	0.0610	mg/L	18:56:58
2	Ba 233.527†	672.6	768.3	0.0087	mg/L	0.0087	mg/L	18:56:58
2	Be 313.107†	-442.4	46.2	-0.0001	mg/L	-0.0001	mg/L	18:56:48
2	Ca 315.887†	95108.7	100801.6	0.9333	mg/L	0.9333	mg/L	18:56:48
2	Cd 228.802†	63.3	4.4	0.0001	mg/L	0.0001	mg/L	18:56:58
2	Co 228.616†	-55.2	6.2	-0.0026	mg/L	-0.0026	mg/L	18:56:58
2	Cr 267.716†	445.6	64.6	-0.0025	mg/L	-0.0025	mg/L	18:56:48
2	Cu 324.752†	1825.6	704.5	0.0006	mg/L	0.0006	mg/L	18:56:48
2	Fe 238.204†	1150.4	1064.4	-0.0027	mg/L	-0.0027	mg/L	18:56:58
2	Mg 279.077†	1553.8	1514.4	0.0958	mg/L	0.0958	mg/L	18:56:48
2	Mn 257.610†	1784.5	726.0	-0.0016	mg/L	-0.0016	mg/L	18:56:58
2	Mo 202.031†	-18.0	-46.3	-0.0027	mg/L	-0.0027	mg/L	18:56:58
2	Ni 231.604†	85.2	109.3	0.0001	mg/L	0.0001	mg/L	18:56:58
2	P 214.914†	346.4	25.0	0.0427	mg/L	0.0427	mg/L	18:56:58
2	Pb 220.353†	103.7	51.9	0.0006	mg/L	0.0006	mg/L	18:56:58
2	Sb 206.836†	29.7	-5.3	-0.0057	mg/L	-0.0057	mg/L	18:56:58
2	Se 196.026†	8.3	8.7	0.0070	mg/L	0.0070	mg/L	18:56:58
2	Sn 189.927†	-19.4	-23.5	-0.0079	mg/L	-0.0079	mg/L	18:56:58
2	Ti 337.279†	-100.4	352.5	-0.0016	mg/L	-0.0016	mg/L	18:56:48
2	Tl 190.801†	2.6	0.8	-0.0039	mg/L	-0.0039	mg/L	18:56:58
2	V 292.402†	-674.0	-32.3	-0.0024	mg/L	-0.0024	mg/L	18:56:48
2	Zn 213.857†	2044.2	1368.6	0.0136	mg/L	0.0136	mg/L	18:56:58

Mean Data: CJ20602-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2329686.4	0.941	mg/L	0.0022				0.24%
Ag 328.068†	34.1	-0.0012	mg/L	0.00044	-0.0012	mg/L	0.00044	35.82%
Al 237.313†	40.5	-0.0026	mg/L	0.00044	-0.0026	mg/L	0.00044	17.02%
As 188.979†	-2.5	-0.0015	mg/L	0.00354	-0.0015	mg/L	0.00354	230.85%
B 182.528†	27.2	0.0584	mg/L	0.00362	0.0584	mg/L	0.00362	6.19%
B 249.677†	122.1	0.0737	mg/L	0.00087	0.0737	mg/L	0.00087	1.18%
Ba 233.527†	761.8	0.0086	mg/L	0.00013	0.0086	mg/L	0.00013	1.47%
Be 313.107†	63.2	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	11.43%
Ca 315.887†	100981.6	0.9350	mg/L	0.00240	0.9350	mg/L	0.00240	0.26%
Cd 228.802†	6.8	0.0002	mg/L	0.00014	0.0002	mg/L	0.00014	63.20%
Co 228.616†	1.7	-0.0027	mg/L	0.00016	-0.0027	mg/L	0.00016	5.96%
Cr 267.716†	59.7	-0.0026	mg/L	0.00008	-0.0026	mg/L	0.00008	2.95%
Cu 324.752†	706.1	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	1.98%
Fe 234.349†	7.4	0.0239	mg/L	0.00692	0.0239	mg/L	0.00692	28.89%
Fe 238.204†	1062.9	-0.0027	mg/L	0.00002	-0.0027	mg/L	0.00002	0.67%
K 766.490†	2516.1	1.551	mg/L	0.0305	1.551	mg/L	0.0305	1.97%
Li 670.784†	51.7	0.0022	mg/L	0.00018	0.0022	mg/L	0.00018	8.39%
Mg 279.077†	1532.7	0.0974	mg/L	0.00229	0.0974	mg/L	0.00229	2.35%
Mn 257.610†	717.0	-0.0016	mg/L	0.00002	-0.0016	mg/L	0.00002	1.39%
Mo 202.031†	-46.1	-0.0027	mg/L	0.00001	-0.0027	mg/L	0.00001	0.41%
Na 589.592†	7792186.4	1275	mg/L	19.8	1275	mg/L	19.8	1.56%
Ni 231.604†	113.3	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	87.44%
P 214.914†	28.8	0.0449	mg/L	0.00313	0.0449	mg/L	0.00313	6.96%
Pb 220.353†	30.7	-0.0012	mg/L	0.00258	-0.0012	mg/L	0.00258	206.77%
Sb 206.836†	-5.0	-0.0054	mg/L	0.00037	-0.0054	mg/L	0.00037	6.91%
Se 196.026†	7.7	0.0059	mg/L	0.00147	0.0059	mg/L	0.00147	24.84%
Sn 189.927†	-24.2	-0.0081	mg/L	0.00024	-0.0081	mg/L	0.00024	2.95%
Sr 407.771†	1093.8	0.0016	mg/L	0.00008	0.0016	mg/L	0.00008	5.27%
Ti 337.279†	347.0	-0.0016	mg/L	0.00001	-0.0016	mg/L	0.00001	0.71%
Tl 190.801†	2.0	-0.0031	mg/L	0.00118	-0.0031	mg/L	0.00118	38.22%
V 292.402†	-13.5	-0.0023	mg/L	0.00017	-0.0023	mg/L	0.00017	7.41%
Zn 213.857†	1249.9	0.0123	mg/L	0.00181	0.0123	mg/L	0.00181	14.64%

Sequence No.: 46
Sample ID: CJ20602-BS1
Analyst:

Autosampler Location: 46
Date Collected: 10/6/2012 6:58:36 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	991.6	1007.7	0.5884	mg/L	0.5884	19:00:30
1	Fe 234.349†	2946.1	3012.2	2.589	mg/L	2.589	19:00:30
1	K 766.490†	53749.7	54681.5	29.61	mg/L	29.61	19:00:20
1	Li 670.784†	19585.5	20162.0	0.6234	mg/L	0.6234	19:00:20
1	Na 589.592†	7798914.6	7958454.1	1302	mg/L	1302	19:00:18
1	Sr 407.771†	46034.1	46845.7	0.0496	mg/L	0.0496	19:00:20
1	Y 371.029	2427304.7	2427304.7	0.980	mg/L		19:00:49
1	Ag 328.068†	31501.7	30762.5	0.2605	mg/L	0.2605	19:00:52
1	Al 237.313†	17970.1	18465.5	2.381	mg/L	2.381	19:00:52
1	As 188.979†	416.3	421.8	0.5281	mg/L	0.5281	19:01:02
1	B 182.528†	281.5	284.7	0.5609	mg/L	0.5609	19:01:02
1	Ba 233.527†	35345.9	36124.1	0.4977	mg/L	0.4977	19:00:52
1	Be 313.107†	78875.4	81006.3	0.0483	mg/L	0.0483	19:00:52
1	Ca 315.887†	581349.1	593101.0	5.574	mg/L	5.574	19:00:49
1	Cd 228.802†	7137.2	7220.5	0.2534	mg/L	0.2534	19:01:02
1	Co 228.616†	18377.9	18819.0	0.4691	mg/L	0.4691	19:00:52
1	Cr 267.716†	43639.8	44125.0	0.4833	mg/L	0.4833	19:00:52
1	Cu 324.752†	90715.7	91340.0	0.5114	mg/L	0.5114	19:00:52
1	Fe 238.204†	271260.8	276658.5	2.327	mg/L	2.327	19:00:52
1	Mg 279.077†	51843.2	52769.8	4.618	mg/L	4.618	19:00:52
1	Mn 257.610†	270640.5	275013.9	0.4835	mg/L	0.4835	19:00:52
1	Mo 202.031†	8869.0	9023.5	0.4797	mg/L	0.4797	19:01:02
1	Ni 231.604†	13545.3	13841.4	0.4875	mg/L	0.4875	19:00:52
1	P 214.914†	8837.5	8675.7	5.183	mg/L	5.183	19:01:02
1	Pb 220.353†	5441.3	5494.6	0.4686	mg/L	0.4686	19:01:02
1	Sb 206.836†	618.3	594.1	0.4985	mg/L	0.4985	19:01:02
1	Se 196.026†	1132.4	1155.5	1.120	mg/L	1.120	19:01:02
1	Sn 189.927†	2201.8	2244.1	0.5123	mg/L	0.5123	19:01:02
1	Ti 337.279†	345653.1	353189.8	0.4977	mg/L	0.4977	19:00:52
1	Tl 190.801†	633.2	644.2	0.4405	mg/L	0.4405	19:01:02
1	V 292.402†	77169.7	79432.9	0.5010	mg/L	0.5010	19:00:52
1	Zn 213.857†	49920.6	50141.7	0.5344	mg/L	0.5344	19:00:52
2	B 249.677†	986.1	989.5	0.5778	mg/L	0.5778	19:00:46
2	Fe 234.349†	2959.6	2987.9	2.568	mg/L	2.568	19:00:46
2	K 766.490†	54843.2	55091.9	29.83	mg/L	29.83	19:00:35
2	Li 670.784†	20032.4	20360.4	0.6295	mg/L	0.6295	19:00:35
2	Na 589.592†	7757987.1	7816886.1	1279	mg/L	1279	19:00:33
2	Sr 407.771†	46745.1	46970.0	0.0497	mg/L	0.0497	19:00:35
2	Y 371.029	2458294.8	2458294.8	0.992	mg/L		19:01:04
2	Ag 328.068†	31590.5	30446.7	0.2578	mg/L	0.2578	19:01:07
2	Al 237.313†	18226.0	18492.2	2.384	mg/L	2.384	19:01:07
2	As 188.979†	416.7	416.8	0.5220	mg/L	0.5220	19:01:17
2	B 182.528†	286.5	286.0	0.5635	mg/L	0.5635	19:01:17
2	Ba 233.527†	35658.3	35984.1	0.4958	mg/L	0.4958	19:01:07
2	Be 313.107†	79762.4	80885.4	0.0482	mg/L	0.0482	19:01:07
2	Ca 315.887†	585860.3	590167.8	5.546	mg/L	5.546	19:01:04
2	Cd 228.802†	7179.4	7171.2	0.2517	mg/L	0.2517	19:01:17
2	Co 228.616†	18395.7	18600.5	0.4636	mg/L	0.4636	19:01:07
2	Cr 267.716†	43911.3	43837.1	0.4801	mg/L	0.4801	19:01:07
2	Cu 324.752†	91442.1	90904.8	0.5089	mg/L	0.5089	19:01:07
2	Fe 238.204†	273423.7	275348.1	2.316	mg/L	2.316	19:01:07
2	Mg 279.077†	52387.5	52651.4	4.607	mg/L	4.607	19:01:07
2	Mn 257.610†	272529.7	273435.8	0.4807	mg/L	0.4807	19:01:07
2	Mo 202.031†	8943.8	8984.8	0.4776	mg/L	0.4776	19:01:17
2	Ni 231.604†	13654.2	13777.0	0.4852	mg/L	0.4852	19:01:07
2	P 214.914†	8898.3	8623.3	5.152	mg/L	5.152	19:01:17
2	Pb 220.353†	5441.2	5424.4	0.4626	mg/L	0.4626	19:01:17
2	Sb 206.836†	626.0	594.0	0.4984	mg/L	0.4984	19:01:17
2	Se 196.026†	1140.7	1149.4	1.114	mg/L	1.114	19:01:17
2	Sn 189.927†	2217.7	2231.7	0.5094	mg/L	0.5094	19:01:17
2	Ti 337.279†	348457.6	351569.0	0.4954	mg/L	0.4954	19:01:07
2	Tl 190.801†	630.6	633.4	0.4330	mg/L	0.4330	19:01:17
2	V 292.402†	77630.0	78904.0	0.4976	mg/L	0.4976	19:01:07
2	Zn 213.857†	50347.7	49929.7	0.5321	mg/L	0.5321	19:01:07

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2442799.7	0.986	mg/L	0.0088				0.90%
Ag 328.068†	30604.6	0.2591	mg/L	0.00190	0.2591	mg/L	0.00190	0.73%
Al 237.313†	18478.9	2.383	mg/L	0.0024	2.383	mg/L	0.0024	0.10%
As 188.979†	419.3	0.5250	mg/L	0.00437	0.5250	mg/L	0.00437	0.83%
B 182.528†	285.3	0.5622	mg/L	0.00183	0.5622	mg/L	0.00183	0.33%
B 249.677†	998.6	0.5831	mg/L	0.00749	0.5831	mg/L	0.00749	1.28%
Ba 233.527†	36054.1	0.4968	mg/L	0.00137	0.4968	mg/L	0.00137	0.28%
Be 313.107†	80945.9	0.0482	mg/L	0.00005	0.0482	mg/L	0.00005	0.11%
Ca 315.887†	591634.4	5.560	mg/L	0.0196	5.560	mg/L	0.0196	0.35%
Cd 228.802†	7195.9	0.2526	mg/L	0.00122	0.2526	mg/L	0.00122	0.48%
Co 228.616†	18709.8	0.4663	mg/L	0.00388	0.4663	mg/L	0.00388	0.83%
Cr 267.716†	43981.1	0.4817	mg/L	0.00224	0.4817	mg/L	0.00224	0.47%
Cu 324.752†	91122.4	0.5102	mg/L	0.00173	0.5102	mg/L	0.00173	0.34%
Fe 234.349†	3000.1	2.578	mg/L	0.0147	2.578	mg/L	0.0147	0.57%
Fe 238.204†	276003.3	2.322	mg/L	0.0078	2.322	mg/L	0.0078	0.34%
K 766.490†	54886.7	29.72	mg/L	0.156	29.72	mg/L	0.156	0.53%
Li 670.784†	20261.2	0.6264	mg/L	0.00433	0.6264	mg/L	0.00433	0.69%
Mg 279.077†	52710.6	4.613	mg/L	0.0074	4.613	mg/L	0.0074	0.16%
Mn 257.610†	274224.9	0.4821	mg/L	0.00197	0.4821	mg/L	0.00197	0.41%
Mo 202.031†	9004.1	0.4787	mg/L	0.00145	0.4787	mg/L	0.00145	0.30%
Na 589.592†	7887670.1	1290	mg/L	16.4	1290	mg/L	16.4	1.27%
Ni 231.604†	13809.2	0.4863	mg/L	0.00162	0.4863	mg/L	0.00162	0.33%
P 214.914†	8649.5	5.167	mg/L	0.0221	5.167	mg/L	0.0221	0.43%
Pb 220.353†	5459.5	0.4656	mg/L	0.00428	0.4656	mg/L	0.00428	0.92%
Sb 206.836†	594.0	0.4985	mg/L	0.00009	0.4985	mg/L	0.00009	0.02%
Se 196.026†	1152.4	1.117	mg/L	0.0042	1.117	mg/L	0.0042	0.38%
Sn 189.927†	2237.9	0.5108	mg/L	0.00202	0.5108	mg/L	0.00202	0.40%
Sr 407.771†	46907.8	0.0497	mg/L	0.00009	0.0497	mg/L	0.00009	0.19%
Ti 337.279†	352379.4	0.4966	mg/L	0.00162	0.4966	mg/L	0.00162	0.33%
Tl 190.801†	638.8	0.4367	mg/L	0.00531	0.4367	mg/L	0.00531	1.22%
V 292.402†	79168.4	0.4993	mg/L	0.00236	0.4993	mg/L	0.00236	0.47%
Zn 213.857†	50035.7	0.5333	mg/L	0.00160	0.5333	mg/L	0.00160	0.30%

Sequence No.: 47

Autosampler Location: 47

Sample ID: CJ20602-BSD1

Date Collected: 10/6/2012 7:02:55 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ20602-BSD1

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	947.8	1000.7	0.5842	mg/L	0.5842	mg/L	19:04:48
1	Fe 234.349†	2811.1	2986.0	2.566	mg/L	2.566	mg/L	19:04:48
1	K 766.490†	52767.6	55775.1	30.20	mg/L	30.20	mg/L	19:04:38
1	Li 670.784†	18949.2	20265.3	0.6266	mg/L	0.6266	mg/L	19:04:38
1	Na 589.592†	7551058.5	8005421.8	1310	mg/L	1310	mg/L	19:04:36
1	Sr 407.771†	44663.2	47220.6	0.0500	mg/L	0.0500	mg/L	19:04:38
1	Y 371.029	2336374.7	2336374.7	0.943	mg/L			19:05:07
1	Ag 328.068†	31292.6	31791.9	0.2692	mg/L	0.2692	mg/L	19:05:10
1	Al 237.313†	18056.6	19270.9	2.485	mg/L	2.485	mg/L	19:05:10
1	As 188.979†	408.9	430.5	0.5390	mg/L	0.5390	mg/L	19:05:20
1	B 182.528†	280.5	294.7	0.5806	mg/L	0.5806	mg/L	19:05:20
1	Ba 233.527†	35261.5	37438.4	0.5159	mg/L	0.5159	mg/L	19:05:10
1	Be 313.107†	78530.5	83773.3	0.0499	mg/L	0.0499	mg/L	19:05:10
1	Ca 315.887†	569673.6	603811.7	5.675	mg/L	5.675	mg/L	19:05:07
1	Cd 228.802†	7014.7	7374.1	0.2588	mg/L	0.2588	mg/L	19:05:20
1	Co 228.616†	18253.4	19417.0	0.4841	mg/L	0.4841	mg/L	19:05:10
1	Cr 267.716†	43619.6	45836.8	0.5022	mg/L	0.5022	mg/L	19:05:10
1	Cu 324.752†	90318.9	94522.2	0.5293	mg/L	0.5293	mg/L	19:05:10
1	Fe 238.204†	269950.6	286042.8	2.407	mg/L	2.407	mg/L	19:05:10
1	Mg 279.077†	51784.3	54766.4	4.794	mg/L	4.794	mg/L	19:05:10
1	Mn 257.610†	269833.1	284906.7	0.5010	mg/L	0.5010	mg/L	19:05:10
1	Mo 202.031†	8759.1	9259.2	0.4922	mg/L	0.4922	mg/L	19:05:20
1	Ni 231.604†	13532.4	14365.8	0.5061	mg/L	0.5061	mg/L	19:05:10
1	P 214.914†	8612.9	8788.7	5.249	mg/L	5.249	mg/L	19:05:20
1	Pb 220.353†	5295.2	5555.8	0.4738	mg/L	0.4738	mg/L	19:05:20
1	Sb 206.836†	613.5	613.7	0.5150	mg/L	0.5150	mg/L	19:05:20

1	Se 196.026†	1104.3	1170.7	1.135 mg/L	1.135 mg/L	19:05:20
1	Sn 189.927†	2170.6	2298.3	0.5245 mg/L	0.5245 mg/L	19:05:20
1	Ti 337.279†	338996.3	359860.3	0.5072 mg/L	0.5072 mg/L	19:05:10
1	Tl 190.801†	615.8	650.9	0.4451 mg/L	0.4451 mg/L	19:05:20
1	V 292.402†	76870.3	82180.4	0.5184 mg/L	0.5184 mg/L	19:05:10
1	Zn 213.857†	49791.2	51987.0	0.5541 mg/L	0.5541 mg/L	19:05:10
2	B 249.677†	944.0	979.7	0.5721 mg/L	0.5721 mg/L	19:05:04
2	Fe 234.349†	2821.1	2946.0	2.532 mg/L	2.532 mg/L	19:05:04
2	K 766.490†	53587.4	55682.9	30.15 mg/L	30.15 mg/L	19:04:53
2	Li 670.784†	19254.6	20243.6	0.6259 mg/L	0.6259 mg/L	19:04:53
2	Na 589.592†	7693340.2	8018258.7	1312 mg/L	1312 mg/L	19:04:51
2	Sr 407.771†	45171.4	46949.1	0.0497 mg/L	0.0497 mg/L	19:04:53
2	Y 371.029	2376587.3	2376587.3	0.959 mg/L		19:05:22
2	Ag 328.068†	31492.4	31438.9	0.2662 mg/L	0.2662 mg/L	19:05:25
2	Al 237.313†	17875.9	18758.7	2.419 mg/L	2.419 mg/L	19:05:25
2	As 188.979†	413.1	427.5	0.5353 mg/L	0.5353 mg/L	19:05:35
2	B 182.528†	286.0	295.4	0.5819 mg/L	0.5819 mg/L	19:05:35
2	Ba 233.527†	35072.8	36609.2	0.5044 mg/L	0.5044 mg/L	19:05:25
2	Be 313.107†	78142.6	81960.2	0.0488 mg/L	0.0488 mg/L	19:05:25
2	Ca 315.887†	578438.2	602727.4	5.664 mg/L	5.664 mg/L	19:05:22
2	Cd 228.802†	7153.3	7392.8	0.2595 mg/L	0.2595 mg/L	19:05:35
2	Co 228.616†	18174.0	19006.7	0.4738 mg/L	0.4738 mg/L	19:05:25
2	Cr 267.716†	43562.1	44994.4	0.4929 mg/L	0.4929 mg/L	19:05:25
2	Cu 324.752†	90084.7	92657.9	0.5188 mg/L	0.5188 mg/L	19:05:25
2	Fe 238.204†	268920.8	280126.9	2.357 mg/L	2.357 mg/L	19:05:25
2	Mg 279.077†	51573.8	53618.0	4.693 mg/L	4.693 mg/L	19:05:25
2	Mn 257.610†	268729.2	278915.7	0.4904 mg/L	0.4904 mg/L	19:05:25
2	Mo 202.031†	8951.2	9302.3	0.4946 mg/L	0.4946 mg/L	19:05:35
2	Ni 231.604†	13503.1	14092.4	0.4964 mg/L	0.4964 mg/L	19:05:25
2	P 214.914†	8869.5	8901.5	5.317 mg/L	5.317 mg/L	19:05:35
2	Pb 220.353†	5408.8	5579.2	0.4759 mg/L	0.4759 mg/L	19:05:35
2	Sb 206.836†	627.0	616.7	0.5175 mg/L	0.5175 mg/L	19:05:35
2	Se 196.026†	1141.3	1189.4	1.153 mg/L	1.153 mg/L	19:05:35
2	Sn 189.927†	2225.0	2316.2	0.5284 mg/L	0.5284 mg/L	19:05:35
2	Ti 337.279†	337769.7	352500.8	0.4967 mg/L	0.4967 mg/L	19:05:25
2	Tl 190.801†	632.9	657.7	0.4499 mg/L	0.4499 mg/L	19:05:35
2	V 292.402†	76623.6	80544.3	0.5081 mg/L	0.5081 mg/L	19:05:25
2	Zn 213.857†	49374.0	50659.1	0.5399 mg/L	0.5399 mg/L	19:05:25

Mean Data: CJ20602-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2356481.0	0.951	mg/L	0.0115				1.21%
Ag 328.068†	31615.4	0.2677	mg/L	0.00213	0.2677	mg/L	0.00213	0.79%
Al 237.313†	19014.8	2.452	mg/L	0.0468	2.452	mg/L	0.0468	1.91%
As 188.979†	429.0	0.5371	mg/L	0.00262	0.5371	mg/L	0.00262	0.49%
B 182.528†	295.1	0.5812	mg/L	0.00094	0.5812	mg/L	0.00094	0.16%
B 249.677†	990.2	0.5782	mg/L	0.00861	0.5782	mg/L	0.00861	1.49%
Ba 233.527†	37023.8	0.5102	mg/L	0.00811	0.5102	mg/L	0.00811	1.59%
Be 313.107†	82866.8	0.0494	mg/L	0.00077	0.0494	mg/L	0.00077	1.55%
Ca 315.887†	603269.6	5.669	mg/L	0.0073	5.669	mg/L	0.0073	0.13%
Cd 228.802†	7383.5	0.2592	mg/L	0.00048	0.2592	mg/L	0.00048	0.18%
Co 228.616†	19211.9	0.4789	mg/L	0.00727	0.4789	mg/L	0.00727	1.52%
Cr 267.716†	45415.6	0.4975	mg/L	0.00656	0.4975	mg/L	0.00656	1.32%
Cu 324.752†	93590.0	0.5241	mg/L	0.00743	0.5241	mg/L	0.00743	1.42%
Fe 234.349†	2966.0	2.549	mg/L	0.0241	2.549	mg/L	0.0241	0.95%
Fe 238.204†	283084.8	2.382	mg/L	0.0354	2.382	mg/L	0.0354	1.48%
K 766.490†	55729.0	30.17	mg/L	0.035	30.17	mg/L	0.035	0.12%
Li 670.784†	20254.5	0.6262	mg/L	0.00047	0.6262	mg/L	0.00047	0.08%
Mg 279.077†	54192.2	4.743	mg/L	0.0716	4.743	mg/L	0.0716	1.51%
Mn 257.610†	281911.2	0.4957	mg/L	0.00749	0.4957	mg/L	0.00749	1.51%
Mo 202.031†	9280.8	0.4934	mg/L	0.00164	0.4934	mg/L	0.00164	0.33%
Na 589.592†	8011840.3	1311	mg/L	1.5	1311	mg/L	1.5	0.11%
Ni 231.604†	14229.1	0.5012	mg/L	0.00685	0.5012	mg/L	0.00685	1.37%
P 214.914†	8845.1	5.283	mg/L	0.0475	5.283	mg/L	0.0475	0.90%
Pb 220.353†	5567.5	0.4748	mg/L	0.00146	0.4748	mg/L	0.00146	0.31%
Sb 206.836†	615.2	0.5163	mg/L	0.00178	0.5163	mg/L	0.00178	0.35%
Se 196.026†	1180.0	1.144	mg/L	0.0129	1.144	mg/L	0.0129	1.12%
Sn 189.927†	2307.3	0.5264	mg/L	0.00278	0.5264	mg/L	0.00278	0.53%
Sr 407.771†	47084.8	0.0498	mg/L	0.00020	0.0498	mg/L	0.00020	0.40%
Ti 337.279†	356180.5	0.5020	mg/L	0.00736	0.5020	mg/L	0.00736	1.47%
Tl 190.801†	654.3	0.4475	mg/L	0.00342	0.4475	mg/L	0.00342	0.76%

V 292.402†	81362.3	0.5132 mg/L	0.00726	0.5132 mg/L	0.00726	1.42%
Zn 213.857†	51323.1	0.5470 mg/L	0.01004	0.5470 mg/L	0.01004	1.84%

Sequence No.: 48	Autosampler Location: 48
Sample ID: 1210124-01TCLP	Date Collected: 10/6/2012 7:07:13 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210124-01TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	140.3	143.1	0.0859 mg/L	0.0859 mg/L	0.0859 mg/L	19:09:06
1	Fe 234.349†	71.1	80.3	0.0722 mg/L	0.0722 mg/L	0.0722 mg/L	19:09:06
1	K 766.490†	9765.7	10082.7	5.620 mg/L	5.620 mg/L	5.620 mg/L	19:08:56
1	Li 670.784†	-0.2	175.2	0.0060 mg/L	0.0060 mg/L	0.0060 mg/L	19:08:56
1	Na 589.592†	7721050.5	8104938.0	1326 mg/L	1326 mg/L	1326 mg/L	19:08:54
1	Sr 407.771†	110458.2	115821.3	0.1220 mg/L	0.1220 mg/L	0.1220 mg/L	19:08:56
1	Y 371.029	2359639.6	2359639.6	0.953 mg/L	0.953 mg/L	0.953 mg/L	19:09:25
1	Ag 328.068†	1368.9	52.8	-0.0011 mg/L	-0.0011 mg/L	-0.0011 mg/L	19:09:27
1	Al 237.313†	2623.2	2881.1	0.3642 mg/L	0.3642 mg/L	0.3642 mg/L	19:09:37
1	As 188.979†	-3.7	-6.9	-0.0070 mg/L	-0.0070 mg/L	-0.0070 mg/L	19:09:37
1	B 182.528†	28.7	27.5	0.0590 mg/L	0.0590 mg/L	0.0590 mg/L	19:09:37
1	Ba 233.527†	29496.7	31018.3	0.4273 mg/L	0.4273 mg/L	0.4273 mg/L	19:09:27
1	Be 313.107†	75.1	594.6	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	19:09:27
1	Ca 315.887†	1680477.8	1763911.5	16.60 mg/L	16.60 mg/L	16.60 mg/L	19:09:25
1	Cd 228.802†	229.8	178.4	0.0063 mg/L	0.0063 mg/L	0.0063 mg/L	19:09:37
1	Co 228.616†	96.7	166.4	0.0014 mg/L	0.0014 mg/L	0.0014 mg/L	19:09:37
1	Cr 267.716†	490.3	106.4	-0.0020 mg/L	-0.0020 mg/L	-0.0020 mg/L	19:09:27
1	Cu 324.752†	41334.8	42157.5	0.2341 mg/L	0.2341 mg/L	0.2341 mg/L	19:09:27
1	Fe 238.204†	4664.5	4739.8	0.0283 mg/L	0.0283 mg/L	0.0283 mg/L	19:09:27
1	Mg 279.077†	16213.4	16885.0	1.452 mg/L	1.452 mg/L	1.452 mg/L	19:09:27
1	Mn 257.610†	152231.3	158634.9	0.2776 mg/L	0.2776 mg/L	0.2776 mg/L	19:09:25
1	Mo 202.031†	46.2	21.3	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	19:09:37
1	Ni 231.604†	672.6	724.9	0.0219 mg/L	0.0219 mg/L	0.0219 mg/L	19:09:37
1	P 214.914†	591.9	278.7	0.1893 mg/L	0.1893 mg/L	0.1893 mg/L	19:09:37
1	Pb 220.353†	3312.0	3418.6	0.2900 mg/L	0.2900 mg/L	0.2900 mg/L	19:09:37
1	Sb 206.836†	38.0	3.1	0.0014 mg/L	0.0014 mg/L	0.0014 mg/L	19:09:37
1	Se 196.026†	-0.8	-1.0	-0.0024 mg/L	-0.0024 mg/L	-0.0024 mg/L	19:09:37
1	Sn 189.927†	-167.4	-178.6	-0.0428 mg/L	-0.0428 mg/L	-0.0428 mg/L	19:09:37
1	Ti 337.279†	581.3	1069.4	-0.0005 mg/L	-0.0005 mg/L	-0.0005 mg/L	19:09:27
1	Tl 190.801†	15.4	14.2	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	19:09:37
1	V 292.402†	-600.8	52.4	-0.0018 mg/L	-0.0018 mg/L	-0.0018 mg/L	19:09:27
1	Zn 213.857†	68103.2	70689.4	0.7584 mg/L	0.7584 mg/L	0.7584 mg/L	19:09:27
2	B 249.677†	133.7	135.7	0.0816 mg/L	0.0816 mg/L	0.0816 mg/L	19:09:21
2	Fe 234.349†	76.4	85.6	0.0767 mg/L	0.0767 mg/L	0.0767 mg/L	19:09:21
2	K 766.490†	9451.6	9717.8	5.424 mg/L	5.424 mg/L	5.424 mg/L	19:09:11
2	Li 670.784†	-37.2	136.5	0.0048 mg/L	0.0048 mg/L	0.0048 mg/L	19:09:11
2	Na 589.592†	7608106.0	7958043.1	1302 mg/L	1302 mg/L	1302 mg/L	19:09:09
2	Sr 407.771†	105833.9	110572.9	0.1165 mg/L	0.1165 mg/L	0.1165 mg/L	19:09:11
2	Y 371.029	2368040.4	2368040.4	0.956 mg/L	0.956 mg/L	0.956 mg/L	19:09:40
2	Ag 328.068†	1307.4	-16.6	-0.0017 mg/L	-0.0017 mg/L	-0.0017 mg/L	19:09:42
2	Al 237.313†	2630.9	2879.5	0.3640 mg/L	0.3640 mg/L	0.3640 mg/L	19:09:52
2	As 188.979†	-3.4	-6.6	-0.0065 mg/L	-0.0065 mg/L	-0.0065 mg/L	19:09:52
2	B 182.528†	34.4	33.3	0.0704 mg/L	0.0704 mg/L	0.0704 mg/L	19:09:52
2	Ba 233.527†	29754.2	31177.7	0.4295 mg/L	0.4295 mg/L	0.4295 mg/L	19:09:42
2	Be 313.107†	44.4	562.3	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	19:09:42
2	Ca 315.887†	1678885.5	1755987.9	16.53 mg/L	16.53 mg/L	16.53 mg/L	19:09:40
2	Cd 228.802†	234.4	182.4	0.0065 mg/L	0.0065 mg/L	0.0065 mg/L	19:09:52
2	Co 228.616†	86.0	154.9	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	19:09:52
2	Cr 267.716†	472.3	85.7	-0.0023 mg/L	-0.0023 mg/L	-0.0023 mg/L	19:09:42
2	Cu 324.752†	41771.1	42460.0	0.2358 mg/L	0.2358 mg/L	0.2358 mg/L	19:09:42
2	Fe 238.204†	4625.5	4681.7	0.0279 mg/L	0.0279 mg/L	0.0279 mg/L	19:09:42
2	Mg 279.077†	16298.8	16913.9	1.455 mg/L	1.455 mg/L	1.455 mg/L	19:09:42
2	Mn 257.610†	151703.6	157516.0	0.2756 mg/L	0.2756 mg/L	0.2756 mg/L	19:09:40
2	Mo 202.031†	42.8	17.7	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	19:09:52
2	Ni 231.604†	694.8	745.6	0.0226 mg/L	0.0226 mg/L	0.0226 mg/L	19:09:52
2	P 214.914†	557.0	240.0	0.1663 mg/L	0.1663 mg/L	0.1663 mg/L	19:09:52
2	Pb 220.353†	3329.5	3424.5	0.2905 mg/L	0.2905 mg/L	0.2905 mg/L	19:09:52
2	Sb 206.836†	36.3	1.1	-0.0003 mg/L	-0.0003 mg/L	-0.0003 mg/L	19:09:52
2	Se 196.026†	-4.0	-4.3	-0.0056 mg/L	-0.0056 mg/L	-0.0056 mg/L	19:09:52

2	Sn 189.927†	-174.3	-185.2	-0.0443 mg/L	-0.0443 mg/L	19:09:52
2	Ti 337.279†	607.6	1094.7	-0.0005 mg/L	-0.0005 mg/L	19:09:42
2	Tl 190.801†	10.3	8.8	0.0016 mg/L	0.0016 mg/L	19:09:52
2	V 292.402†	-628.5	25.6	-0.0020 mg/L	-0.0020 mg/L	19:09:42
2	Zn 213.857†	68716.8	71077.7	0.7625 mg/L	0.7625 mg/L	19:09:42

Mean Data: 1210124-01TCLP

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2363840.0	0.954 mg/L	0.0024			0.25%
Ag 328.068†	18.1	-0.0014 mg/L	0.00042	-0.0014 mg/L	0.00042	30.61%
Al 237.313†	2880.3	0.3641 mg/L	0.00015	0.3641 mg/L	0.00015	0.04%
As 188.979†	-6.7	-0.0068 mg/L	0.00031	-0.0068 mg/L	0.00031	4.57%
B 182.528†	30.4	0.0647 mg/L	0.00807	0.0647 mg/L	0.00807	12.48%
B 249.677†	139.4	0.0838 mg/L	0.00307	0.0838 mg/L	0.00307	3.67%
Ba 233.527†	31098.0	0.4284 mg/L	0.00156	0.4284 mg/L	0.00156	0.36%
Be 313.107†	578.5	0.0002 mg/L	0.00001	0.0002 mg/L	0.00001	7.49%
Ca 315.887†	1759949.7	16.56 mg/L	0.053	16.56 mg/L	0.053	0.32%
Cd 228.802†	180.4	0.0064 mg/L	0.00010	0.0064 mg/L	0.00010	1.52%
Co 228.616†	160.6	0.0013 mg/L	0.00020	0.0013 mg/L	0.00020	15.79%
Cr 267.716†	96.0	-0.0021 mg/L	0.00016	-0.0021 mg/L	0.00016	7.51%
Cu 324.752†	42308.7	0.2349 mg/L	0.00120	0.2349 mg/L	0.00120	0.51%
Fe 234.349†	83.0	0.0745 mg/L	0.00324	0.0745 mg/L	0.00324	4.35%
Fe 238.204†	4710.7	0.0281 mg/L	0.00035	0.0281 mg/L	0.00035	1.24%
K 766.490†	9900.2	5.522 mg/L	0.1388	5.522 mg/L	0.1388	2.51%
Li 670.784†	155.9	0.0054 mg/L	0.00085	0.0054 mg/L	0.00085	15.66%
Mg 279.077†	16899.4	1.454 mg/L	0.0018	1.454 mg/L	0.0018	0.12%
Mn 257.610†	158075.5	0.2766 mg/L	0.00140	0.2766 mg/L	0.00140	0.51%
Mo 202.031†	19.5	0.0006 mg/L	0.00014	0.0006 mg/L	0.00014	22.69%
Na 589.592†	8031490.6	1314 mg/L	17.0	1314 mg/L	17.0	1.29%
Ni 231.604†	735.3	0.0223 mg/L	0.00052	0.0223 mg/L	0.00052	2.33%
P 214.914†	259.3	0.1778 mg/L	0.01630	0.1778 mg/L	0.01630	9.16%
Pb 220.353†	3421.6	0.2902 mg/L	0.00036	0.2902 mg/L	0.00036	0.12%
Sb 206.836†	2.1	0.0006 mg/L	0.00117	0.0006 mg/L	0.00117	204.64%
Se 196.026†	-2.6	-0.0040 mg/L	0.00229	-0.0040 mg/L	0.00229	57.05%
Sn 189.927†	-181.9	-0.0436 mg/L	0.00104	-0.0436 mg/L	0.00104	2.38%
Sr 407.771†	113197.1	0.1192 mg/L	0.00389	0.1192 mg/L	0.00389	3.27%
Ti 337.279†	1082.0	-0.0005 mg/L	0.00003	-0.0005 mg/L	0.00003	4.82%
Tl 190.801†	11.5	0.0035 mg/L	0.00266	0.0035 mg/L	0.00266	75.45%
V 292.402†	39.0	-0.0019 mg/L	0.00012	-0.0019 mg/L	0.00012	6.31%
Zn 213.857†	70883.6	0.7604 mg/L	0.00295	0.7604 mg/L	0.00295	0.39%

Sequence No.: 49
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/6/2012 7:11:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	925.3	849.8	0.4964 mg/L	0.4964 mg/L	19:13:24
1	Fe 234.349†	3227.9	2984.7	2.565 mg/L	2.565 mg/L	19:13:24
1	K 766.490†	47946.8	44080.6	23.91 mg/L	23.91 mg/L	19:13:14
1	Li 670.784†	16950.6	15818.9	0.4892 mg/L	0.4892 mg/L	19:13:14
1	Na 589.592†	170705.8	157391.2	25.85 mg/L	25.85 mg/L	19:13:14
1	Sr 407.771†	50033.1	46043.8	0.0488 mg/L	0.0488 mg/L	19:13:14
1	Y 371.029	2683982.1	2683982.1	1.08 mg/L		19:13:41
1	Ag 328.068†	33215.6	29270.0	0.2478 mg/L	0.2478 mg/L	19:13:43
1	Al 237.313†	20343.5	18902.2	2.438 mg/L	2.438 mg/L	19:13:43
1	As 188.979†	424.1	388.4	0.4865 mg/L	0.4865 mg/L	19:13:53
1	B 182.528†	279.5	255.3	0.5036 mg/L	0.5036 mg/L	19:13:53
1	Ba 233.527†	39172.5	36206.2	0.4989 mg/L	0.4989 mg/L	19:13:43
1	Be 313.107†	87663.0	81418.7	0.0485 mg/L	0.0485 mg/L	19:13:43
1	Ca 315.887†	559151.6	515880.7	4.846 mg/L	4.846 mg/L	19:13:41
1	Cd 228.802†	7539.7	6895.4	0.2421 mg/L	0.2421 mg/L	19:13:53
1	Co 228.616†	21378.6	19794.9	0.4936 mg/L	0.4936 mg/L	19:13:43
1	Cr 267.716†	48802.6	44630.8	0.4889 mg/L	0.4889 mg/L	19:13:43
1	Cu 324.752†	97329.3	88590.5	0.4959 mg/L	0.4959 mg/L	19:13:43
1	Fe 238.204†	311457.1	287282.3	2.417 mg/L	2.417 mg/L	19:13:43

1	Mg	279.077†	61317.2	56453.8	4.943	mg/L	4.943	mg/L	19:13:43
1	Mn	257.610†	310506.4	285393.4	0.5018	mg/L	0.5018	mg/L	19:13:43
1	Mo	202.031†	9903.2	9112.4	0.4844	mg/L	0.4844	mg/L	19:13:53
1	Ni	231.604†	15738.7	14543.8	0.5124	mg/L	0.5124	mg/L	19:13:43
1	P	214.914†	8984.4	7948.9	4.751	mg/L	4.751	mg/L	19:13:53
1	Pb	220.353†	6113.9	5584.3	0.4764	mg/L	0.4764	mg/L	19:13:53
1	Sb	206.836†	670.2	581.7	0.4881	mg/L	0.4881	mg/L	19:13:53
1	Se	196.026†	1121.2	1034.7	1.003	mg/L	1.003	mg/L	19:13:53
1	Sn	189.927†	2430.8	2240.5	0.5114	mg/L	0.5114	mg/L	19:13:53
1	Ti	337.279†	372272.3	344023.5	0.4848	mg/L	0.4848	mg/L	19:13:43
1	Tl	190.801†	766.1	705.0	0.4829	mg/L	0.4829	mg/L	19:13:53
1	V	292.402†	85013.8	79141.0	0.4992	mg/L	0.4992	mg/L	19:13:43
1	Zn	213.857†	51931.0	47125.2	0.5019	mg/L	0.5019	mg/L	19:13:43
2	B	249.677†	937.3	867.9	0.5069	mg/L	0.5069	mg/L	19:13:37
2	Fe	234.349†	3266.0	3044.4	2.616	mg/L	2.616	mg/L	19:13:37
2	K	766.490†	48234.0	44707.0	24.24	mg/L	24.24	mg/L	19:13:27
2	Li	670.784†	17222.9	16199.2	0.5010	mg/L	0.5010	mg/L	19:13:27
2	Na	589.592†	171012.9	158955.4	26.10	mg/L	26.10	mg/L	19:13:27
2	Sr	407.771†	50246.1	46616.7	0.0494	mg/L	0.0494	mg/L	19:13:27
2	Y	371.029	2662375.6	2662375.6	1.07	mg/L			19:13:56
2	Ag	328.068†	33489.8	29773.8	0.2521	mg/L	0.2521	mg/L	19:13:58
2	Al	237.313†	20672.0	19360.2	2.497	mg/L	2.497	mg/L	19:13:58
2	As	188.979†	424.3	391.8	0.4907	mg/L	0.4907	mg/L	19:14:08
2	B	182.528†	285.2	262.7	0.5180	mg/L	0.5180	mg/L	19:14:08
2	Ba	233.527†	39550.3	36851.0	0.5078	mg/L	0.5078	mg/L	19:13:58
2	Be	313.107†	88713.2	83052.3	0.0495	mg/L	0.0495	mg/L	19:13:58
2	Ca	315.887†	555748.2	516902.1	4.856	mg/L	4.856	mg/L	19:13:56
2	Cd	228.802†	7615.6	7022.5	0.2466	mg/L	0.2466	mg/L	19:14:08
2	Co	228.616†	21533.5	20099.1	0.5012	mg/L	0.5012	mg/L	19:13:58
2	Cr	267.716†	49107.3	45279.8	0.4960	mg/L	0.4960	mg/L	19:13:58
2	Cu	324.752†	97794.6	89752.3	0.5025	mg/L	0.5025	mg/L	19:13:58
2	Fe	238.204†	314190.5	292158.1	2.458	mg/L	2.458	mg/L	19:13:58
2	Mg	279.077†	61852.8	57411.4	5.027	mg/L	5.027	mg/L	19:13:58
2	Mn	257.610†	313644.5	290638.5	0.5111	mg/L	0.5111	mg/L	19:13:58
2	Mo	202.031†	10015.3	9290.9	0.4939	mg/L	0.4939	mg/L	19:14:08
2	Ni	231.604†	15862.7	14777.1	0.5207	mg/L	0.5207	mg/L	19:13:58
2	P	214.914†	9079.6	8104.7	4.843	mg/L	4.843	mg/L	19:14:08
2	Pb	220.353†	6180.1	5691.7	0.4856	mg/L	0.4856	mg/L	19:14:08
2	Sb	206.836†	679.6	595.5	0.4997	mg/L	0.4997	mg/L	19:14:08
2	Se	196.026†	1130.3	1051.5	1.019	mg/L	1.019	mg/L	19:14:08
2	Sn	189.927†	2470.6	2295.7	0.5240	mg/L	0.5240	mg/L	19:14:08
2	Ti	337.279†	375343.6	349669.2	0.4927	mg/L	0.4927	mg/L	19:13:58
2	Tl	190.801†	769.6	714.0	0.4891	mg/L	0.4891	mg/L	19:14:08
2	V	292.402†	85777.9	80488.6	0.5077	mg/L	0.5077	mg/L	19:13:58
2	Zn	213.857†	52252.2	47812.9	0.5092	mg/L	0.5092	mg/L	19:13:58

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2673178.9	1.08 mg/L	0.006			0.57%
Ag 328.068†	29521.9	0.2499 mg/L	0.00304	0.2499 mg/L	0.00304	1.21%
QC value within limits for Ag 328.068 Recovery = 99.97%						
Al 237.313†	19131.2	2.467 mg/L	0.0419	2.467 mg/L	0.0419	1.70%
QC value within limits for Al 237.313 Recovery = 98.69%						
As 188.979†	390.1	0.4886 mg/L	0.00293	0.4886 mg/L	0.00293	0.60%
QC value within limits for As 188.979 Recovery = 97.72%						
B 182.528†	259.0	0.5108 mg/L	0.01018	0.5108 mg/L	0.01018	1.99%
QC value within limits for B 182.528 Recovery = 102.17%						
B 249.677†	858.8	0.5016 mg/L	0.00744	0.5016 mg/L	0.00744	1.48%
QC value within limits for B 249.677 Recovery = 100.33%						
Ba 233.527†	36528.6	0.5033 mg/L	0.00631	0.5033 mg/L	0.00631	1.25%
QC value within limits for Ba 233.527 Recovery = 100.66%						
Be 313.107†	82235.5	0.0490 mg/L	0.00069	0.0490 mg/L	0.00069	1.41%
QC value within limits for Be 313.107 Recovery = 98.01%						
Ca 315.887†	516391.4	4.851 mg/L	0.0068	4.851 mg/L	0.0068	0.14%
QC value within limits for Ca 315.887 Recovery = 97.02%						
Cd 228.802†	6959.0	0.2443 mg/L	0.00317	0.2443 mg/L	0.00317	1.30%
QC value within limits for Cd 228.802 Recovery = 97.74%						
Co 228.616†	19947.0	0.4974 mg/L	0.00539	0.4974 mg/L	0.00539	1.08%
QC value within limits for Co 228.616 Recovery = 99.48%						
Cr 267.716†	44955.3	0.4925 mg/L	0.00506	0.4925 mg/L	0.00506	1.03%
QC value within limits for Cr 267.716 Recovery = 98.49%						

Cu	324.752†	89171.4	0.4992 mg/L	0.00463	0.4992 mg/L	0.00463	0.93%
	QC value within limits for Cu	324.752	Recovery =	99.84%			
Fe	234.349†	3014.6	2.591 mg/L	0.0361	2.591 mg/L	0.0361	1.39%
	QC value within limits for Fe	234.349	Recovery =	103.63%			
Fe	238.204†	289720.2	2.438 mg/L	0.0291	2.438 mg/L	0.0291	1.20%
	QC value within limits for Fe	238.204	Recovery =	97.51%			
K	766.490†	44393.8	24.08 mg/L	0.238	24.08 mg/L	0.238	0.99%
	QC value within limits for K	766.490	Recovery =	96.30%			
Li	670.784†	16009.1	0.4951 mg/L	0.00831	0.4951 mg/L	0.00831	1.68%
	QC value within limits for Li	670.784	Recovery =	99.02%			
Mg	279.077†	56932.6	4.985 mg/L	0.0597	4.985 mg/L	0.0597	1.20%
	QC value within limits for Mg	279.077	Recovery =	99.70%			
Mn	257.610†	288016.0	0.5065 mg/L	0.00656	0.5065 mg/L	0.00656	1.30%
	QC value within limits for Mn	257.610	Recovery =	101.30%			
Mo	202.031†	9201.6	0.4892 mg/L	0.00671	0.4892 mg/L	0.00671	1.37%
	QC value within limits for Mo	202.031	Recovery =	97.84%			
Na	589.592†	158173.3	25.97 mg/L	0.181	25.97 mg/L	0.181	0.70%
	QC value within limits for Na	589.592	Recovery =	103.90%			
Ni	231.604†	14660.4	0.5165 mg/L	0.00586	0.5165 mg/L	0.00586	1.13%
	QC value within limits for Ni	231.604	Recovery =	103.31%			
P	214.914†	8026.8	4.797 mg/L	0.0655	4.797 mg/L	0.0655	1.37%
	QC value within limits for P	214.914	Recovery =	95.94%			
Pb	220.353†	5638.0	0.4810 mg/L	0.00653	0.4810 mg/L	0.00653	1.36%
	QC value within limits for Pb	220.353	Recovery =	96.20%			
Sb	206.836†	588.6	0.4939 mg/L	0.00820	0.4939 mg/L	0.00820	1.66%
	QC value within limits for Sb	206.836	Recovery =	98.78%			
Se	196.026†	1043.1	1.011 mg/L	0.0116	1.011 mg/L	0.0116	1.14%
	QC value within limits for Se	196.026	Recovery =	101.12%			
Sn	189.927†	2268.1	0.5177 mg/L	0.00893	0.5177 mg/L	0.00893	1.73%
	QC value within limits for Sn	189.927	Recovery =	103.54%			
Sr	407.771†	46330.3	0.0491 mg/L	0.00043	0.0491 mg/L	0.00043	0.87%
	QC value within limits for Sr	407.771	Recovery =	98.12%			
Ti	337.279†	346846.4	0.4887 mg/L	0.00565	0.4887 mg/L	0.00565	1.16%
	QC value within limits for Ti	337.279	Recovery =	97.75%			
Tl	190.801†	709.5	0.4860 mg/L	0.00438	0.4860 mg/L	0.00438	0.90%
	QC value within limits for Tl	190.801	Recovery =	97.20%			
V	292.402†	79814.8	0.5035 mg/L	0.00604	0.5035 mg/L	0.00604	1.20%
	QC value within limits for V	292.402	Recovery =	100.69%			
Zn	213.857†	47469.1	0.5055 mg/L	0.00519	0.5055 mg/L	0.00519	1.03%
	QC value within limits for Zn	213.857	Recovery =	101.10%			
All analyte(s) passed QC.							

Sequence No.: 50
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/6/2012 7:15:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	17.4	12.1	0.0097 mg/L	0.0097 mg/L	19:17:45
1	Fe 234.349†	-10.0	-3.6	0.0154 mg/L	0.0154 mg/L	19:17:45
1	K 766.490†	487.7	286.8	0.3515 mg/L	0.3515 mg/L	19:17:35
1	Li 670.784†	-144.4	40.5	0.0018 mg/L	0.0018 mg/L	19:17:35
1	Na 589.592†	8900.7	8163.6	1.437 mg/L	1.437 mg/L	19:17:35
1	Sr 407.771†	132.7	-7.0	0.0004 mg/L	0.0004 mg/L	19:17:35
1	Y 371.029	2651738.5	2651738.5	1.07 mg/L		19:18:09
1	Ag 328.068†	1342.3	-130.4	-0.0026 mg/L	-0.0026 mg/L	19:18:12
1	Al 237.313†	-134.7	1.7	-0.0076 mg/L	-0.0076 mg/L	19:18:22
1	As 188.979†	-6.2	-8.8	-0.0093 mg/L	-0.0093 mg/L	19:18:22
1	B 182.528†	1.0	-1.7	0.0019 mg/L	0.0019 mg/L	19:18:22
1	Ba 233.527†	-51.3	6.5	-0.0018 mg/L	-0.0018 mg/L	19:18:22
1	Be 313.107†	-399.5	142.7	-0.0001 mg/L	-0.0001 mg/L	19:18:12
1	Ca 315.887†	384.0	206.9	-0.0143 mg/L	-0.0143 mg/L	19:18:12
1	Cd 228.802†	71.6	4.0	0.0002 mg/L	0.0002 mg/L	19:18:22
1	Co 228.616†	-55.9	12.6	-0.0024 mg/L	-0.0024 mg/L	19:18:22
1	Cr 267.716†	375.1	-57.9	-0.0038 mg/L	-0.0038 mg/L	19:18:12
1	Cu 324.752†	1519.5	186.2	-0.0023 mg/L	-0.0023 mg/L	19:18:12
1	Fe 238.204†	260.8	87.0	-0.0110 mg/L	-0.0110 mg/L	19:18:22
1	Mg 279.077†	142.8	-1.5	-0.0379 mg/L	-0.0379 mg/L	19:18:12

1	Mn 257.610†	572.1	-633.8	-0.0040	mg/L	-0.0040	mg/L	19:18:22
1	Mo 202.031†	45.7	15.6	0.0006	mg/L	0.0006	mg/L	19:18:22
1	Ni 231.604†	-6.8	12.4	-0.0033	mg/L	-0.0033	mg/L	19:18:22
1	P 214.914†	342.7	-22.6	0.0144	mg/L	0.0144	mg/L	19:18:22
1	Pb 220.353†	50.5	-10.9	-0.0048	mg/L	-0.0048	mg/L	19:18:22
1	Sb 206.836†	40.0	0.5	-0.0007	mg/L	-0.0007	mg/L	19:18:22
1	Se 196.026†	7.1	6.5	0.0048	mg/L	0.0048	mg/L	19:18:22
1	Sn 189.927†	5.8	2.6	-0.0021	mg/L	-0.0021	mg/L	19:18:22
1	Ti 337.279†	-170.5	299.8	-0.0016	mg/L	-0.0016	mg/L	19:18:12
1	Tl 190.801†	7.0	4.5	-0.0013	mg/L	-0.0013	mg/L	19:18:22
1	V 292.402†	-617.3	106.5	-0.0015	mg/L	-0.0015	mg/L	19:18:12
1	Zn 213.857†	1066.0	194.6	0.0010	mg/L	0.0010	mg/L	19:18:22
2	B 249.677†	10.5	5.8	0.0060	mg/L	0.0060	mg/L	19:18:06
2	Fe 234.349†	-15.2	-8.7	0.0111	mg/L	0.0111	mg/L	19:18:06
2	K 766.490†	475.5	281.9	0.3488	mg/L	0.3488	mg/L	19:17:56
2	Li 670.784†	-160.5	23.4	0.0013	mg/L	0.0013	mg/L	19:17:56
2	Na 589.592†	8737.7	8130.4	1.431	mg/L	1.431	mg/L	19:17:56
2	Sr 407.771†	160.3	21.0	0.0005	mg/L	0.0005	mg/L	19:17:56
2	Y 371.029	2613633.7	2613633.7	1.06	mg/L			19:18:24
2	Ag 328.068†	1371.3	-84.6	-0.0022	mg/L	-0.0022	mg/L	19:18:26
2	Al 237.313†	-150.6	-15.2	-0.0098	mg/L	-0.0098	mg/L	19:18:37
2	As 188.979†	-0.8	-3.7	-0.0030	mg/L	-0.0030	mg/L	19:18:37
2	B 182.528†	2.3	-0.5	0.0044	mg/L	0.0044	mg/L	19:18:37
2	Ba 233.527†	-43.9	12.8	-0.0017	mg/L	-0.0017	mg/L	19:18:37
2	Be 313.107†	-398.7	138.0	-0.0001	mg/L	-0.0001	mg/L	19:18:26
2	Ca 315.887†	214.7	51.7	-0.0157	mg/L	-0.0157	mg/L	19:18:26
2	Cd 228.802†	73.8	7.1	0.0002	mg/L	0.0002	mg/L	19:18:37
2	Co 228.616†	-64.4	3.8	-0.0026	mg/L	-0.0026	mg/L	19:18:37
2	Cr 267.716†	368.3	-59.3	-0.0039	mg/L	-0.0039	mg/L	19:18:26
2	Cu 324.752†	1518.3	205.7	-0.0022	mg/L	-0.0022	mg/L	19:18:26
2	Fe 238.204†	259.4	89.1	-0.0110	mg/L	-0.0110	mg/L	19:18:37
2	Mg 279.077†	154.4	11.5	-0.0368	mg/L	-0.0368	mg/L	19:18:26
2	Mn 257.610†	517.9	-677.4	-0.0041	mg/L	-0.0041	mg/L	19:18:37
2	Mo 202.031†	20.3	-7.8	-0.0007	mg/L	-0.0007	mg/L	19:18:37
2	Ni 231.604†	-12.6	6.8	-0.0035	mg/L	-0.0035	mg/L	19:18:37
2	P 214.914†	353.0	-8.1	0.0230	mg/L	0.0230	mg/L	19:18:37
2	Pb 220.353†	63.9	2.5	-0.0037	mg/L	-0.0037	mg/L	19:18:37
2	Sb 206.836†	29.4	-9.0	-0.0087	mg/L	-0.0087	mg/L	19:18:37
2	Se 196.026†	8.7	8.2	0.0064	mg/L	0.0064	mg/L	19:18:37
2	Sn 189.927†	-9.1	-11.5	-0.0053	mg/L	-0.0053	mg/L	19:18:37
2	Ti 337.279†	-167.8	300.1	-0.0016	mg/L	-0.0016	mg/L	19:18:26
2	Tl 190.801†	3.7	1.5	-0.0034	mg/L	-0.0034	mg/L	19:18:37
2	V 292.402†	-622.9	92.7	-0.0016	mg/L	-0.0016	mg/L	19:18:26
2	Zn 213.857†	1081.8	224.1	0.0013	mg/L	0.0013	mg/L	19:18:37

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2632686.1	1.06 mg/L	0.011			1.02%
Ag 328.068†	-107.5	-0.0024 mg/L	0.00028	-0.0024 mg/L	0.00028	11.30%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-6.8	-0.0087 mg/L	0.00154	-0.0087 mg/L	0.00154	17.79%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-6.3	-0.0062 mg/L	0.00444	-0.0062 mg/L	0.00444	71.79%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-1.1	0.0032 mg/L	0.00177	0.0032 mg/L	0.00177	55.66%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	8.9	0.0078 mg/L	0.00257	0.0078 mg/L	0.00257	32.85%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	9.6	-0.0018 mg/L	0.00006	-0.0018 mg/L	0.00006	3.47%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	140.3	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	2.52%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	129.3	-0.0150 mg/L	0.00103	-0.0150 mg/L	0.00103	6.88%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	5.6	0.0002 mg/L	0.00006	0.0002 mg/L	0.00006	29.52%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	8.2	-0.0025 mg/L	0.00016	-0.0025 mg/L	0.00016	6.23%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-58.6	-0.0039 mg/L	0.00001	-0.0039 mg/L	0.00001	0.31%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	196.0	-0.0022 mg/L	0.00008	-0.0022 mg/L	0.00008	3.50%

QC value within limits for Cu 324.752	Recovery = Not calculated					
Fe 234.349†	-6.1	0.0132 mg/L	0.00308	0.0132 mg/L	0.00308	23.23%
QC value within limits for Fe 234.349	Recovery = Not calculated					
Fe 238.204†	88.0	-0.0110 mg/L	0.00001	-0.0110 mg/L	0.00001	0.12%
QC value within limits for Fe 238.204	Recovery = Not calculated					
K 766.490†	284.4	0.3502 mg/L	0.00186	0.3502 mg/L	0.00186	0.53%
QC value greater than the upper limit for K 766.490	Recovery = Not calculated					
Li 670.784†	32.0	0.0016 mg/L	0.00037	0.0016 mg/L	0.00037	23.89%
QC value within limits for Li 670.784	Recovery = Not calculated					
Mg 279.077†	5.0	-0.0374 mg/L	0.00081	-0.0374 mg/L	0.00081	2.16%
QC value less than the lower limit for Mg 279.077	Recovery = Not calculated					
Mn 257.610†	-655.6	-0.0040 mg/L	0.00005	-0.0040 mg/L	0.00005	1.35%
QC value less than the lower limit for Mn 257.610	Recovery = Not calculated					
Mo 202.031†	3.9	0.0000 mg/L	0.00088	0.0000 mg/L	0.00088	>999.9%
QC value within limits for Mo 202.031	Recovery = Not calculated					
Na 589.592†	8147.0	1.434 mg/L	0.0038	1.434 mg/L	0.0038	0.27%
QC value greater than the upper limit for Na 589.592	Recovery = Not calculated					
Ni 231.604†	9.6	-0.0034 mg/L	0.00014	-0.0034 mg/L	0.00014	4.12%
QC value less than the lower limit for Ni 231.604	Recovery = Not calculated					
P 214.914†	-15.4	0.0187 mg/L	0.00608	0.0187 mg/L	0.00608	32.56%
QC value within limits for P 214.914	Recovery = Not calculated					
Pb 220.353†	-4.2	-0.0043 mg/L	0.00082	-0.0043 mg/L	0.00082	19.20%
QC value within limits for Pb 220.353	Recovery = Not calculated					
Sb 206.836†	-4.2	-0.0047 mg/L	0.00564	-0.0047 mg/L	0.00564	119.37%
QC value within limits for Sb 206.836	Recovery = Not calculated					
Se 196.026†	7.3	0.0056 mg/L	0.00113	0.0056 mg/L	0.00113	20.07%
QC value within limits for Se 196.026	Recovery = Not calculated					
Sn 189.927†	-4.5	-0.0037 mg/L	0.00226	-0.0037 mg/L	0.00226	61.62%
QC value within limits for Sn 189.927	Recovery = Not calculated					
Sr 407.771†	7.0	0.0005 mg/L	0.00002	0.0005 mg/L	0.00002	4.48%
QC value within limits for Sr 407.771	Recovery = Not calculated					
Ti 337.279†	300.0	-0.0016 mg/L	0.00000	-0.0016 mg/L	0.00000	0.02%
QC value less than the lower limit for Ti 337.279	Recovery = Not calculated					
Tl 190.801†	3.0	-0.0024 mg/L	0.00150	-0.0024 mg/L	0.00150	63.39%
QC value within limits for Tl 190.801	Recovery = Not calculated					
V 292.402†	99.6	-0.0015 mg/L	0.00007	-0.0015 mg/L	0.00007	4.33%
QC value less than the lower limit for V 292.402	Recovery = Not calculated					
Zn 213.857†	209.4	0.0012 mg/L	0.00022	0.0012 mg/L	0.00022	19.12%
QC value within limits for Zn 213.857	Recovery = Not calculated					
QC Failed. Continue with analysis.						

Sequence No.: 51
Sample ID: 1210124-02TCLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 10/6/2012 7:20:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210124-02TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	169.3	176.5	0.1054 mg/L	0.1054 mg/L	19:22:12
1	Fe 234.349†	502.1	541.5	0.0124 mg/L	0.0124 mg/L	19:22:12
1	K 766.490†	13604.0	14348.1	7.915 mg/L	7.915 mg/L	19:22:02
1	Li 670.784†	47.9	226.6	0.0076 mg/L	0.0076 mg/L	19:22:02
1	Na 589.592†	7836404.6	8362044.4	1368 mg/L	1368 mg/L	19:21:57
1	Sr 407.771†	1448146.5	1545180.2	1.621 mg/L	1.621 mg/L	19:22:00
1	Y 371.029	2321259.1	2321259.1	0.937 mg/L		19:22:38
1	Ag 328.068†	692.5	-645.3	-0.0070 mg/L	-0.0070 mg/L	19:22:41
1	Al 237.313†	405.0	559.7	0.0645 mg/L	0.0645 mg/L	19:22:51
1	As 188.979†	-24.1	-28.8	-0.0341 mg/L	-0.0341 mg/L	19:22:51
1	B 182.528†	10.9	9.0	0.0229 mg/L	0.0229 mg/L	19:22:51
1	Ba 233.527†	36937.3	39470.0	0.5443 mg/L	0.5443 mg/L	19:22:41
1	Be 313.107†	-1382.7	-959.6	-0.0007 mg/L	-0.0007 mg/L	19:22:41
1	Ca 315.887†	52314150.6	55824062.1	525.9 mg/L	525.9 mg/L	19:22:36
1	Cd 228.802†	280.1	236.1	0.0085 mg/L	0.0085 mg/L	19:22:51
1	Co 228.616†	7.9	73.3	-0.0009 mg/L	-0.0009 mg/L	19:22:51
1	Cr 267.716†	574.9	205.2	-0.0009 mg/L	-0.0009 mg/L	19:22:51
1	Cu 324.752†	9008.0	8379.2	0.0439 mg/L	0.0439 mg/L	19:22:41
1	Fe 238.204†	3838.7	3939.5	0.0216 mg/L	0.0216 mg/L	19:22:51
1	Mg 279.077†	55666.9	59267.0	5.191 mg/L	5.191 mg/L	19:22:41
1	Mn 257.610†	232476.5	246906.5	0.4337 mg/L	0.4337 mg/L	19:22:41

1	Mo 202.031†	281.6	273.4	0.0142	mg/L	0.0142	mg/L	19:22:51
1	Ni 231.604†	366.2	409.6	0.0108	mg/L	0.0108	mg/L	19:22:51
1	P 214.914†	748.7	456.2	0.2994	mg/L	0.2994	mg/L	19:22:51
1	Pb 220.353†	3552.2	3732.4	0.3167	mg/L	0.3167	mg/L	19:22:51
1	Sb 206.836†	49.6	16.1	0.0122	mg/L	0.0122	mg/L	19:22:51
1	Se 196.026†	-26.3	-28.1	-0.0286	mg/L	-0.0286	mg/L	19:22:51
1	Sn 189.927†	-619.5	-663.9	-0.1514	mg/L	-0.1514	mg/L	19:22:51
1	Ti 337.279†	-27.7	429.5	-0.0014	mg/L	-0.0014	mg/L	19:22:41
1	Tl 190.801†	40.8	41.5	0.0243	mg/L	0.0243	mg/L	19:22:51
1	V 292.402†	-538.0	109.0	-0.0015	mg/L	-0.0015	mg/L	19:22:51
1	Zn 213.857†	114852.5	121757.5	1.308	mg/L	1.308	mg/L	19:22:41
2	B 249.677†	167.1	177.4	0.1059	mg/L	0.1059	mg/L	19:22:29
2	Fe 234.349†	496.0	544.6	0.0026	mg/L	0.0026	mg/L	19:22:29
2	K 766.490†	13929.5	14965.0	8.246	mg/L	8.246	mg/L	19:22:19
2	Li 670.784†	131.5	318.3	0.0104	mg/L	0.0104	mg/L	19:22:19
2	Na 589.592†	7792741.7	8466271.3	1385	mg/L	1385	mg/L	19:22:15
2	Sr 407.771†	1450344.4	1575595.3	1.653	mg/L	1.653	mg/L	19:22:17
2	Y 371.029	2279908.6	2279908.6	0.920	mg/L	0.920	mg/L	19:22:59
2	Ag 328.068†	634.4	-695.0	-0.0074	mg/L	-0.0074	mg/L	19:23:01
2	Al 237.313†	382.8	543.4	0.0624	mg/L	0.0624	mg/L	19:23:11
2	As 188.979†	-29.5	-35.0	-0.0419	mg/L	-0.0419	mg/L	19:23:11
2	B 182.528†	17.2	16.0	0.0366	mg/L	0.0366	mg/L	19:23:11
2	Ba 233.527†	36962.0	40211.8	0.5546	mg/L	0.5546	mg/L	19:23:01
2	Be 313.107†	-1346.9	-947.5	-0.0007	mg/L	-0.0007	mg/L	19:23:01
2	Ca 315.887†	52743688.4	57303212.0	539.8	mg/L	539.8	mg/L	19:22:56
2	Cd 228.802†	290.7	253.0	0.0091	mg/L	0.0091	mg/L	19:23:11
2	Co 228.616†	21.7	88.5	-0.0005	mg/L	-0.0005	mg/L	19:23:11
2	Cr 267.716†	564.2	204.7	-0.0009	mg/L	-0.0009	mg/L	19:23:11
2	Cu 324.752†	8950.7	8491.2	0.0445	mg/L	0.0445	mg/L	19:23:01
2	Fe 238.204†	3753.2	3920.9	0.0214	mg/L	0.0214	mg/L	19:23:11
2	Mg 279.077†	55670.2	60348.0	5.286	mg/L	5.286	mg/L	19:23:01
2	Mn 257.610†	232907.4	251874.0	0.4425	mg/L	0.4425	mg/L	19:23:01
2	Mo 202.031†	275.8	272.5	0.0141	mg/L	0.0141	mg/L	19:23:11
2	Ni 231.604†	362.4	412.5	0.0109	mg/L	0.0109	mg/L	19:23:11
2	P 214.914†	759.6	482.5	0.3150	mg/L	0.3150	mg/L	19:23:11
2	Pb 220.353†	3509.9	3755.2	0.3186	mg/L	0.3186	mg/L	19:23:11
2	Sb 206.836†	55.9	23.9	0.0187	mg/L	0.0187	mg/L	19:23:11
2	Se 196.026†	-21.0	-22.9	-0.0235	mg/L	-0.0235	mg/L	19:23:11
2	Sn 189.927†	-620.2	-676.7	-0.1543	mg/L	-0.1543	mg/L	19:23:11
2	Ti 337.279†	0.5	459.7	-0.0014	mg/L	-0.0014	mg/L	19:23:01
2	Tl 190.801†	40.8	42.3	0.0249	mg/L	0.0249	mg/L	19:23:11
2	V 292.402†	-547.2	88.6	-0.0016	mg/L	-0.0016	mg/L	19:23:11
2	Zn 213.857†	114903.6	124035.9	1.332	mg/L	1.332	mg/L	19:23:01

Mean Data: 1210124-02TCLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2300583.8	0.929	mg/L	0.0118				1.27%
Ag 328.068†	-670.1	-0.0072	mg/L	0.00030	-0.0072	mg/L	0.00030	4.16%
Al 237.313†	551.5	0.0634	mg/L	0.00149	0.0634	mg/L	0.00149	2.35%
As 188.979†	-31.9	-0.0380	mg/L	0.00554	-0.0380	mg/L	0.00554	14.58%
B 182.528†	12.5	0.0297	mg/L	0.00963	0.0297	mg/L	0.00963	32.36%
B 249.677†	176.9	0.1056	mg/L	0.00038	0.1056	mg/L	0.00038	0.36%
Ba 233.527†	39840.9	0.5494	mg/L	0.00726	0.5494	mg/L	0.00726	1.32%
Be 313.107†	-953.6	-0.0007	mg/L	0.00001	-0.0007	mg/L	0.00001	0.69%
Ca 315.887†	56563637.1	532.8	mg/L	9.85	532.8	mg/L	9.85	1.85%
Cd 228.802†	244.6	0.0088	mg/L	0.00045	0.0088	mg/L	0.00045	5.08%
Co 228.616†	80.9	-0.0007	mg/L	0.00027	-0.0007	mg/L	0.00027	38.99%
Cr 267.716†	204.9	-0.0009	mg/L	0.00000	-0.0009	mg/L	0.00000	0.42%
Cu 324.752†	8435.2	0.0442	mg/L	0.00045	0.0442	mg/L	0.00045	1.01%
Fe 234.349†	543.1	0.0075	mg/L	0.00692	0.0075	mg/L	0.00692	92.57%
Fe 238.204†	3930.2	0.0215	mg/L	0.00011	0.0215	mg/L	0.00011	0.52%
K 766.490†	14656.6	8.080	mg/L	0.2346	8.080	mg/L	0.2346	2.90%
Li 670.784†	272.4	0.0090	mg/L	0.00200	0.0090	mg/L	0.00200	22.26%
Mg 279.077†	59807.5	5.238	mg/L	0.0674	5.238	mg/L	0.0674	1.29%
Mn 257.610†	249390.2	0.4381	mg/L	0.00621	0.4381	mg/L	0.00621	1.42%
Mo 202.031†	272.9	0.0141	mg/L	0.00004	0.0141	mg/L	0.00004	0.25%
Na 589.592†	8414157.8	1376	mg/L	12.1	1376	mg/L	12.1	0.88%
Ni 231.604†	411.0	0.0108	mg/L	0.00007	0.0108	mg/L	0.00007	0.67%
P 214.914†	469.4	0.3072	mg/L	0.01107	0.3072	mg/L	0.01107	3.60%
Pb 220.353†	3743.8	0.3176	mg/L	0.00137	0.3176	mg/L	0.00137	0.43%
Sb 206.836†	20.0	0.0155	mg/L	0.00463	0.0155	mg/L	0.00463	29.93%

Se 196.026†	-25.5	-0.0260 mg/L	0.00361	-0.0260 mg/L	0.00361	13.87%
Sn 189.927†	-670.3	-0.1528 mg/L	0.00204	-0.1528 mg/L	0.00204	1.33%
Sr 407.771†	1560387.8	1.637 mg/L	0.0226	1.637 mg/L	0.0226	1.38%
Ti 337.279†	444.6	-0.0014 mg/L	0.00003	-0.0014 mg/L	0.00003	2.12%
Tl 190.801†	41.9	0.0246 mg/L	0.00040	0.0246 mg/L	0.00040	1.63%
V 292.402†	98.8	-0.0015 mg/L	0.00009	-0.0015 mg/L	0.00009	6.00%
Zn 213.857†	122896.7	1.320 mg/L	0.0173	1.320 mg/L	0.0173	1.31%

Sequence No.: 52
Sample ID: 1210124-03TCLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 10/6/2012 7:26:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210124-03TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	89.4	92.2	0.0563 mg/L	0.0563 mg/L	19:28:18
1	Fe 234.349†	348.5	381.4	0.2381 mg/L	0.2381 mg/L	19:28:18
1	K 766.490†	10715.5	11379.2	6.318 mg/L	6.318 mg/L	19:28:08
1	Li 670.784†	72.1	253.2	0.0084 mg/L	0.0084 mg/L	19:28:08
1	Na 589.592†	7836619.3	8445286.5	1382 mg/L	1382 mg/L	19:28:03
1	Sr 407.771†	389653.9	419794.7	0.4408 mg/L	0.4408 mg/L	19:28:05
1	Y 371.029	2298442.7	2298442.7	0.928 mg/L		19:28:42
1	Ag 328.068†	1150.1	-144.8	-0.0027 mg/L	-0.0027 mg/L	19:28:44
1	Al 237.313†	3652.7	4064.0	0.5169 mg/L	0.5169 mg/L	19:28:44
1	As 188.979†	-24.2	-29.1	-0.0345 mg/L	-0.0345 mg/L	19:28:54
1	B 182.528†	-2.1	-4.9	-0.0043 mg/L	-0.0043 mg/L	19:28:54
1	Ba 233.527†	100638.3	108511.2	1.500 mg/L	1.500 mg/L	19:28:44
1	Be 313.107†	-352.8	135.6	-0.0001 mg/L	-0.0001 mg/L	19:28:44
1	Ca 315.887†	11678293.7	12585415.0	118.5 mg/L	118.5 mg/L	19:28:39
1	Cd 228.802†	1181.1	1210.1	0.0430 mg/L	0.0430 mg/L	19:28:54
1	Co 228.616†	402.1	498.2	0.0098 mg/L	0.0098 mg/L	19:28:54
1	Cr 267.716†	705.3	351.7	0.0007 mg/L	0.0007 mg/L	19:28:44
1	Cu 324.752†	269177.2	288856.0	1.623 mg/L	1.623 mg/L	19:28:42
1	Fe 238.204†	15931.3	17012.2	0.1321 mg/L	0.1321 mg/L	19:28:44
1	Mg 279.077†	31125.0	33408.2	2.913 mg/L	2.913 mg/L	19:28:44
1	Mn 257.610†	772372.8	831209.4	1.467 mg/L	1.467 mg/L	19:28:42
1	Mo 202.031†	172.7	159.0	0.0070 mg/L	0.0070 mg/L	19:28:54
1	Ni 231.604†	2331.1	2531.0	0.0859 mg/L	0.0859 mg/L	19:28:54
1	P 214.914†	1331.9	1092.7	0.6481 mg/L	0.6481 mg/L	19:28:54
1	Pb 220.353†	26740.3	28759.6	2.472 mg/L	2.472 mg/L	19:28:44
1	Sb 206.836†	60.5	28.4	0.0226 mg/L	0.0226 mg/L	19:28:54
1	Se 196.026†	-13.8	-15.0	-0.0159 mg/L	-0.0159 mg/L	19:28:54
1	Sn 189.927†	-461.6	-500.4	-0.1148 mg/L	-0.1148 mg/L	19:28:54
1	Ti 337.279†	2387.5	3032.1	0.0022 mg/L	0.0022 mg/L	19:28:44
1	Tl 190.801†	23.6	23.4	0.0117 mg/L	0.0117 mg/L	19:28:54
1	V 292.402†	-553.3	86.8	-0.0016 mg/L	-0.0016 mg/L	19:28:44
1	Zn 213.857†	380423.6	409177.1	4.395 mg/L	4.395 mg/L	19:28:42
2	B 249.677†	91.9	92.1	0.0562 mg/L	0.0562 mg/L	19:28:35
2	Fe 234.349†	334.7	356.3	0.2180 mg/L	0.2180 mg/L	19:28:35
2	K 766.490†	10831.1	11175.3	6.208 mg/L	6.208 mg/L	19:28:25
2	Li 670.784†	-21.7	152.7	0.0053 mg/L	0.0053 mg/L	19:28:25
2	Na 589.592†	7925338.0	8300496.8	1358 mg/L	1358 mg/L	19:28:21
2	Sr 407.771†	394000.8	412528.0	0.4332 mg/L	0.4332 mg/L	19:28:23
2	Y 371.029	2365009.5	2365009.5	0.955 mg/L		19:29:00
2	Ag 328.068†	1101.2	-230.9	-0.0035 mg/L	-0.0035 mg/L	19:29:02
2	Al 237.313†	3657.1	3957.8	0.5032 mg/L	0.5032 mg/L	19:29:02
2	As 188.979†	-27.4	-31.7	-0.0377 mg/L	-0.0377 mg/L	19:29:12
2	B 182.528†	-1.2	-3.9	-0.0023 mg/L	-0.0023 mg/L	19:29:12
2	Ba 233.527†	100859.4	105690.1	1.461 mg/L	1.461 mg/L	19:29:02
2	Be 313.107†	-333.2	166.8	-0.0001 mg/L	-0.0001 mg/L	19:29:02
2	Ca 315.887†	11873503.2	12435628.7	117.1 mg/L	117.1 mg/L	19:28:57
2	Cd 228.802†	1180.1	1173.2	0.0417 mg/L	0.0417 mg/L	19:29:12
2	Co 228.616†	370.8	453.3	0.0086 mg/L	0.0086 mg/L	19:29:12
2	Cr 267.716†	662.3	285.4	-0.0001 mg/L	-0.0001 mg/L	19:29:02
2	Cu 324.752†	276854.5	288731.9	1.623 mg/L	1.623 mg/L	19:29:00
2	Fe 238.204†	16049.0	16652.3	0.1290 mg/L	0.1290 mg/L	19:29:02
2	Mg 279.077†	31247.4	32592.3	2.841 mg/L	2.841 mg/L	19:29:02
2	Mn 257.610†	794140.6	830579.4	1.466 mg/L	1.466 mg/L	19:29:00
2	Mo 202.031†	174.1	155.2	0.0068 mg/L	0.0068 mg/L	19:29:12

2	Ni 231.604†	2336.3	2465.7	0.0836 mg/L	0.0836 mg/L	19:29:12
2	P 214.914†	1336.2	1056.8	0.6267 mg/L	0.6267 mg/L	19:29:12
2	Pb 220.353†	26907.9	28124.0	2.417 mg/L	2.417 mg/L	19:29:02
2	Sb 206.836†	67.8	34.2	0.0275 mg/L	0.0275 mg/L	19:29:12
2	Se 196.026†	-13.2	-13.9	-0.0149 mg/L	-0.0149 mg/L	19:29:12
2	Sn 189.927†	-441.4	-465.1	-0.1069 mg/L	-0.1069 mg/L	19:29:12
2	Ti 337.279†	3253.4	3866.7	0.0034 mg/L	0.0034 mg/L	19:29:02
2	Tl 190.801†	26.8	26.0	0.0135 mg/L	0.0135 mg/L	19:29:12
2	V 292.402†	-576.1	79.7	-0.0016 mg/L	-0.0016 mg/L	19:29:02
2	Zn 213.857†	391501.2	409239.9	4.395 mg/L	4.395 mg/L	19:29:00

Mean Data: 1210124-03TCLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2331726.1	0.941 mg/L		0.0190			2.02%
Ag 328.068†	-187.8	-0.0031 mg/L		0.00052	-0.0031 mg/L	0.00052	16.77%
Al 237.313†	4010.9	0.5101 mg/L		0.00970	0.5101 mg/L	0.00970	1.90%
As 188.979†	-30.4	-0.0361 mg/L		0.00229	-0.0361 mg/L	0.00229	6.35%
B 182.528†	-4.4	-0.0033 mg/L		0.00139	-0.0033 mg/L	0.00139	42.01%
B 249.677†	92.1	0.0562 mg/L		0.00005	0.0562 mg/L	0.00005	0.10%
Ba 233.527†	107100.7	1.480 mg/L		0.0276	1.480 mg/L	0.0276	1.86%
Be 313.107†	151.2	-0.0001 mg/L		0.00001	-0.0001 mg/L	0.00001	18.18%
Ca 315.887†	12510521.8	117.8 mg/L		1.00	117.8 mg/L	1.00	0.85%
Cd 228.802†	1191.6	0.0423 mg/L		0.00091	0.0423 mg/L	0.00091	2.16%
Co 228.616†	475.8	0.0092 mg/L		0.00080	0.0092 mg/L	0.00080	8.69%
Cr 267.716†	318.5	0.0003 mg/L		0.00052	0.0003 mg/L	0.00052	165.62%
Cu 324.752†	288794.0	1.623 mg/L		0.0005	1.623 mg/L	0.0005	0.03%
Fe 234.349†	368.8	0.2281 mg/L		0.01428	0.2281 mg/L	0.01428	6.26%
Fe 238.204†	16832.3	0.1306 mg/L		0.00215	0.1306 mg/L	0.00215	1.65%
K 766.490†	11277.3	6.263 mg/L		0.0776	6.263 mg/L	0.0776	1.24%
Li 670.784†	202.9	0.0069 mg/L		0.00219	0.0069 mg/L	0.00219	32.03%
Mg 279.077†	33000.2	2.877 mg/L		0.0509	2.877 mg/L	0.0509	1.77%
Mn 257.610†	830894.4	1.466 mg/L		0.0008	1.466 mg/L	0.0008	0.05%
Mo 202.031†	157.1	0.0069 mg/L		0.00014	0.0069 mg/L	0.00014	1.96%
Na 589.592†	8372891.7	1370 mg/L		16.7	1370 mg/L	16.7	1.22%
Ni 231.604†	2498.3	0.0848 mg/L		0.00164	0.0848 mg/L	0.00164	1.93%
P 214.914†	1074.8	0.6374 mg/L		0.01513	0.6374 mg/L	0.01513	2.37%
Pb 220.353†	28441.8	2.444 mg/L		0.0388	2.444 mg/L	0.0388	1.59%
Sb 206.836†	31.3	0.0251 mg/L		0.00344	0.0251 mg/L	0.00344	13.71%
Se 196.026†	-14.4	-0.0154 mg/L		0.00072	-0.0154 mg/L	0.00072	4.70%
Sn 189.927†	-482.7	-0.1109 mg/L		0.00559	-0.1109 mg/L	0.00559	5.04%
Sr 407.771†	416161.3	0.4370 mg/L		0.00539	0.4370 mg/L	0.00539	1.23%
Ti 337.279†	3449.4	0.0028 mg/L		0.00084	0.0028 mg/L	0.00084	29.56%
Tl 190.801†	24.7	0.0126 mg/L		0.00132	0.0126 mg/L	0.00132	10.50%
V 292.402†	83.2	-0.0016 mg/L		0.00003	-0.0016 mg/L	0.00003	2.06%
Zn 213.857†	409208.5	4.395 mg/L		0.0005	4.395 mg/L	0.0005	0.01%

Sequence No.: 53

Sample ID: 1210124-04TCLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 51

Date Collected: 10/6/2012 7:30:52 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210124-04TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	113.9	116.9	0.0707 mg/L	0.0707 mg/L	19:32:49
1	Fe 234.349†	307.6	332.8	0.1077 mg/L	0.1077 mg/L	19:32:49
1	K 766.490†	9378.4	9800.8	5.469 mg/L	5.469 mg/L	19:32:39
1	Li 670.784†	93.5	274.9	0.0091 mg/L	0.0091 mg/L	19:32:39
1	Na 589.592†	7460252.6	7930390.2	1297 mg/L	1297 mg/L	19:32:34
1	Sr 407.771†	603057.2	640942.5	0.6728 mg/L	0.6728 mg/L	19:32:36
1	Y 371.029	2330117.3	2330117.3	0.941 mg/L		19:33:14
1	Ag 328.068†	1062.4	-254.8	-0.0037 mg/L	-0.0037 mg/L	19:33:16
1	Al 237.313†	1407.0	1623.2	0.2018 mg/L	0.2018 mg/L	19:33:26
1	As 188.979†	-30.0	-34.9	-0.0418 mg/L	-0.0418 mg/L	19:33:26
1	B 182.528†	0.9	-1.7	0.0020 mg/L	0.0020 mg/L	19:33:26
1	Ba 233.527†	53607.8	57041.6	0.7875 mg/L	0.7875 mg/L	19:33:16
1	Be 313.107†	-537.1	-55.1	-0.0002 mg/L	-0.0002 mg/L	19:33:16
1	Ca 315.887†	21834810.5	23211107.4	218.6 mg/L	218.6 mg/L	19:33:11

1	Cd	228.802†	335.7	294.1	0.0106	mg/L	0.0106	mg/L	19:33:26
1	Co	228.616†	276.7	359.0	0.0063	mg/L	0.0063	mg/L	19:33:26
1	Cr	267.716†	620.2	250.9	-0.0004	mg/L	-0.0004	mg/L	19:33:16
1	Cu	324.752†	469293.2	497643.8	2.799	mg/L	2.799	mg/L	19:33:14
1	Fe	238.204†	5922.1	6138.7	0.0402	mg/L	0.0402	mg/L	19:33:16
1	Mg	279.077†	30445.4	32229.7	2.807	mg/L	2.807	mg/L	19:33:16
1	Mn	257.610†	389499.0	412884.4	0.7271	mg/L	0.7271	mg/L	19:33:14
1	Mo	202.031†	215.9	202.4	0.0085	mg/L	0.0085	mg/L	19:33:26
1	Ni	231.604†	1037.4	1121.5	0.0360	mg/L	0.0360	mg/L	19:33:26
1	P	214.914†	1585.2	1342.4	0.7744	mg/L	0.7744	mg/L	19:33:26
1	Pb	220.353†	25141.4	26668.2	2.293	mg/L	2.293	mg/L	19:33:16
1	Sb	206.836†	49.4	15.7	0.0119	mg/L	0.0119	mg/L	19:33:26
1	Se	196.026†	-21.5	-23.0	-0.0237	mg/L	-0.0237	mg/L	19:33:26
1	Sn	189.927†	-515.8	-551.1	-0.1264	mg/L	-0.1264	mg/L	19:33:26
1	Ti	337.279†	328.4	808.3	-0.0009	mg/L	-0.0009	mg/L	19:33:16
1	Tl	190.801†	36.5	36.8	0.0211	mg/L	0.0211	mg/L	19:33:26
1	V	292.402†	-557.0	90.9	-0.0016	mg/L	-0.0016	mg/L	19:33:16
1	Zn	213.857†	227104.6	240619.9	2.581	mg/L	2.581	mg/L	19:33:14
2	B	249.677†	115.7	114.4	0.0692	mg/L	0.0692	mg/L	19:33:06
2	Fe	234.349†	316.9	330.7	0.1060	mg/L	0.1060	mg/L	19:33:06
2	K	766.490†	9483.9	9554.4	5.336	mg/L	5.336	mg/L	19:32:56
2	Li	670.784†	86.8	264.5	0.0088	mg/L	0.0088	mg/L	19:32:56
2	Na	589.592†	7473382.3	7661708.1	1253	mg/L	1253	mg/L	19:32:52
2	Sr	407.771†	604355.4	619466.1	0.6503	mg/L	0.6503	mg/L	19:32:54
2	Y	371.029	2416073.3	2416073.3	0.975	mg/L			19:33:33
2	Ag	328.068†	1066.0	-291.3	-0.0040	mg/L	-0.0040	mg/L	19:33:35
2	Al	237.313†	1495.3	1660.5	0.2066	mg/L	0.2066	mg/L	19:33:45
2	As	188.979†	-32.4	-36.2	-0.0434	mg/L	-0.0434	mg/L	19:33:45
2	B	182.528†	5.1	2.6	0.0104	mg/L	0.0104	mg/L	19:33:45
2	Ba	233.527†	52488.6	53866.7	0.7435	mg/L	0.7435	mg/L	19:33:35
2	Be	313.107†	-500.9	2.3	-0.0002	mg/L	-0.0002	mg/L	19:33:35
2	Ca	315.887†	22638793.4	23209585.1	218.6	mg/L	218.6	mg/L	19:33:30
2	Cd	228.802†	346.5	292.4	0.0105	mg/L	0.0105	mg/L	19:33:45
2	Co	228.616†	282.8	354.8	0.0062	mg/L	0.0062	mg/L	19:33:45
2	Cr	267.716†	661.1	269.4	-0.0002	mg/L	-0.0002	mg/L	19:33:35
2	Cu	324.752†	476499.6	487283.5	2.741	mg/L	2.741	mg/L	19:33:33
2	Fe	238.204†	5742.0	5730.1	0.0367	mg/L	0.0367	mg/L	19:33:35
2	Mg	279.077†	29877.7	30496.3	2.654	mg/L	2.654	mg/L	19:33:35
2	Mn	257.610†	394406.9	403185.5	0.7100	mg/L	0.7100	mg/L	19:33:33
2	Mo	202.031†	214.7	193.0	0.0081	mg/L	0.0081	mg/L	19:33:45
2	Ni	231.604†	1037.7	1082.6	0.0346	mg/L	0.0346	mg/L	19:33:45
2	P	214.914†	1569.3	1266.2	0.7302	mg/L	0.7302	mg/L	19:33:45
2	Pb	220.353†	24658.7	25222.5	2.168	mg/L	2.168	mg/L	19:33:35
2	Sb	206.836†	54.4	19.0	0.0147	mg/L	0.0147	mg/L	19:33:45
2	Se	196.026†	-17.9	-18.4	-0.0193	mg/L	-0.0193	mg/L	19:33:45
2	Sn	189.927†	-512.6	-528.4	-0.1213	mg/L	-0.1213	mg/L	19:33:45
2	Ti	337.279†	161.1	624.3	-0.0012	mg/L	-0.0012	mg/L	19:33:35
2	Tl	190.801†	27.4	26.1	0.0136	mg/L	0.0136	mg/L	19:33:45
2	V	292.402†	-556.9	112.2	-0.0014	mg/L	-0.0014	mg/L	19:33:35
2	Zn	213.857†	230351.0	235359.2	2.524	mg/L	2.524	mg/L	19:33:33

Mean Data: 1210124-04TCLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2373095.3	0.958	mg/L	0.0245				2.56%
Ag 328.068†	-273.1	-0.0038	mg/L	0.00022	-0.0038	mg/L	0.00022	5.75%
Al 237.313†	1641.8	0.2042	mg/L	0.00340	0.2042	mg/L	0.00340	1.67%
As 188.979†	-35.5	-0.0426	mg/L	0.00117	-0.0426	mg/L	0.00117	2.75%
B 182.528†	0.4	0.0062	mg/L	0.00594	0.0062	mg/L	0.00594	95.84%
B 249.677†	115.7	0.0700	mg/L	0.00103	0.0700	mg/L	0.00103	1.47%
Ba 233.527†	55454.2	0.7655	mg/L	0.03107	0.7655	mg/L	0.03107	4.06%
Be 313.107†	-26.4	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	13.59%
Ca 315.887†	23210346.2	218.6	mg/L	0.01	218.6	mg/L	0.01	0.00%
Cd 228.802†	293.2	0.0105	mg/L	0.00004	0.0105	mg/L	0.00004	0.34%
Co 228.616†	356.9	0.0062	mg/L	0.00007	0.0062	mg/L	0.00007	1.18%
Cr 267.716†	260.2	-0.0003	mg/L	0.00014	-0.0003	mg/L	0.00014	43.84%
Cu 324.752†	492463.7	2.770	mg/L	0.0413	2.770	mg/L	0.0413	1.49%
Fe 234.349†	331.7	0.1068	mg/L	0.00125	0.1068	mg/L	0.00125	1.17%
Fe 238.204†	5934.4	0.0384	mg/L	0.00244	0.0384	mg/L	0.00244	6.35%
K 766.490†	9677.6	5.402	mg/L	0.0937	5.402	mg/L	0.0937	1.73%
Li 670.784†	269.7	0.0089	mg/L	0.00023	0.0089	mg/L	0.00023	2.56%
Mg 279.077†	31363.0	2.731	mg/L	0.1081	2.731	mg/L	0.1081	3.96%

Mn 257.610†	408035.0	0.7186 mg/L	0.01213	0.7186 mg/L	0.01213	1.69%
Mo 202.031†	197.7	0.0083 mg/L	0.00032	0.0083 mg/L	0.00032	3.91%
Na 589.592†	7796049.2	1275 mg/L	31.1	1275 mg/L	31.1	2.44%
Ni 231.604†	1102.1	0.0353 mg/L	0.00098	0.0353 mg/L	0.00098	2.76%
P 214.914†	1304.3	0.7523 mg/L	0.03128	0.7523 mg/L	0.03128	4.16%
Pb 220.353†	25945.3	2.230 mg/L	0.0881	2.230 mg/L	0.0881	3.95%
Sb 206.836†	17.3	0.0133 mg/L	0.00195	0.0133 mg/L	0.00195	14.68%
Se 196.026†	-20.7	-0.0215 mg/L	0.00311	-0.0215 mg/L	0.00311	14.50%
Sn 189.927†	-539.8	-0.1239 mg/L	0.00363	-0.1239 mg/L	0.00363	2.93%
Sr 407.771†	630204.3	0.6616 mg/L	0.01593	0.6616 mg/L	0.01593	2.41%
Ti 337.279†	716.3	-0.0010 mg/L	0.00018	-0.0010 mg/L	0.00018	17.66%
Tl 190.801†	31.5	0.0173 mg/L	0.00527	0.0173 mg/L	0.00527	30.40%
V 292.402†	101.6	-0.0015 mg/L	0.00009	-0.0015 mg/L	0.00009	6.23%
Zn 213.857†	237989.6	2.552 mg/L	0.0399	2.552 mg/L	0.0399	1.56%

Sequence No.: 54
Sample ID: CJ20602-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 10/6/2012 7:35:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	119.3	116.8	0.0706	mg/L	0.0706	mg/L	19:37:20
1	Fe 234.349†	335.4	345.9	0.1161	mg/L	0.1161	mg/L	19:37:20
1	K 766.490†	9526.4	9490.7	5.302	mg/L	5.302	mg/L	19:37:10
1	Li 670.784†	76.6	253.1	0.0084	mg/L	0.0084	mg/L	19:37:10
1	Na 589.592†	7665434.4	7772255.0	1271	mg/L	1271	mg/L	19:37:06
1	Sr 407.771†	644030.6	652887.1	0.6854	mg/L	0.6854	mg/L	19:37:08
1	Y 371.029	2442915.1	2442915.1	0.986	mg/L			19:37:46
1	Ag 328.068†	929.8	-441.5	-0.0053	mg/L	-0.0053	mg/L	19:37:48
1	Al 237.313†	1519.3	1668.0	0.2076	mg/L	0.2076	mg/L	19:37:58
1	As 188.979†	-35.5	-39.0	-0.0470	mg/L	-0.0470	mg/L	19:37:58
1	B 182.528†	1.6	-1.0	0.0034	mg/L	0.0034	mg/L	19:37:58
1	Ba 233.527†	56249.3	57088.7	0.7881	mg/L	0.7881	mg/L	19:37:48
1	Be 313.107†	-513.1	-4.5	-0.0002	mg/L	-0.0002	mg/L	19:37:48
1	Ca 315.887†	23219701.9	23543581.4	221.8	mg/L	221.8	mg/L	19:37:43
1	Cd 228.802†	359.3	301.5	0.0109	mg/L	0.0109	mg/L	19:37:58
1	Co 228.616†	311.3	380.5	0.0068	mg/L	0.0068	mg/L	19:37:58
1	Cr 267.716†	664.2	265.1	-0.0003	mg/L	-0.0003	mg/L	19:37:48
1	Cu 324.752†	492183.4	497818.5	2.800	mg/L	2.800	mg/L	19:37:46
1	Fe 238.204†	7060.3	7002.1	0.0475	mg/L	0.0475	mg/L	19:37:48
1	Mg 279.077†	31959.2	32270.3	2.811	mg/L	2.811	mg/L	19:37:48
1	Mn 257.610†	407381.7	411898.5	0.7254	mg/L	0.7254	mg/L	19:37:46
1	Mo 202.031†	232.2	208.3	0.0088	mg/L	0.0088	mg/L	19:37:58
1	Ni 231.604†	1119.6	1154.0	0.0371	mg/L	0.0371	mg/L	19:37:58
1	P 214.914†	1731.5	1413.0	0.8164	mg/L	0.8164	mg/L	19:37:48
1	Pb 220.353†	26487.9	26799.4	2.304	mg/L	2.304	mg/L	19:37:48
1	Sb 206.836†	54.0	18.0	0.0138	mg/L	0.0138	mg/L	19:37:58
1	Se 196.026†	-17.7	-18.0	-0.0188	mg/L	-0.0188	mg/L	19:37:58
1	Sn 189.927†	-526.1	-536.3	-0.1230	mg/L	-0.1230	mg/L	19:37:58
1	Ti 337.279†	290.8	754.0	-0.0010	mg/L	-0.0010	mg/L	19:37:48
1	Tl 190.801†	32.1	30.5	0.0167	mg/L	0.0167	mg/L	19:37:58
1	V 292.402†	-571.1	104.0	-0.0015	mg/L	-0.0015	mg/L	19:37:48
1	Zn 213.857†	237960.4	240480.0	2.579	mg/L	2.579	mg/L	19:37:46
2	B 249.677†	129.8	125.2	0.0755	mg/L	0.0755	mg/L	19:37:38
2	Fe 234.349†	355.9	360.5	0.1305	mg/L	0.1305	mg/L	19:37:38
2	K 766.490†	9678.9	9478.6	5.295	mg/L	5.295	mg/L	19:37:27
2	Li 670.784†	45.2	220.5	0.0074	mg/L	0.0074	mg/L	19:37:27
2	Na 589.592†	7842504.1	7816793.9	1279	mg/L	1279	mg/L	19:37:23
2	Sr 407.771†	651372.2	649118.4	0.6814	mg/L	0.6814	mg/L	19:37:25
2	Y 371.029	2485105.2	2485105.2	1.00	mg/L			19:38:04
2	Ag 328.068†	1083.7	-304.1	-0.0041	mg/L	-0.0041	mg/L	19:38:07
2	Al 237.313†	1552.2	1674.7	0.2085	mg/L	0.2085	mg/L	19:38:17
2	As 188.979†	-34.1	-37.0	-0.0444	mg/L	-0.0444	mg/L	19:38:17
2	B 182.528†	0.7	-1.9	0.0016	mg/L	0.0016	mg/L	19:38:17
2	Ba 233.527†	55657.3	55530.3	0.7665	mg/L	0.7665	mg/L	19:38:07
2	Be 313.107†	-522.2	-4.7	-0.0002	mg/L	-0.0002	mg/L	19:38:07
2	Ca 315.887†	23405142.7	23328711.0	219.7	mg/L	219.7	mg/L	19:38:02
2	Cd 228.802†	365.5	301.4	0.0108	mg/L	0.0108	mg/L	19:38:17

2	Co	228.616†	298.8	362.7	0.0064 mg/L	0.0064 mg/L	19:38:17
2	Cr	267.716†	654.6	244.1	-0.0005 mg/L	-0.0005 mg/L	19:38:07
2	Cu	324.752†	502232.4	499362.4	2.809 mg/L	2.809 mg/L	19:38:04
2	Fe	238.204†	6983.8	6804.3	0.0458 mg/L	0.0458 mg/L	19:38:07
2	Mg	279.077†	31534.4	31296.7	2.725 mg/L	2.725 mg/L	19:38:07
2	Mn	257.610†	416922.4	414395.3	0.7298 mg/L	0.7298 mg/L	19:38:04
2	Mo	202.031†	227.7	199.8	0.0084 mg/L	0.0084 mg/L	19:38:17
2	Ni	231.604†	1130.6	1145.7	0.0368 mg/L	0.0368 mg/L	19:38:17
2	P	214.914†	1732.5	1384.1	0.7991 mg/L	0.7991 mg/L	19:38:07
2	Pb	220.353†	26184.2	26040.8	2.238 mg/L	2.238 mg/L	19:38:07
2	Sb	206.836†	50.1	13.2	0.0098 mg/L	0.0098 mg/L	19:38:17
2	Se	196.026†	-28.9	-28.8	-0.0293 mg/L	-0.0293 mg/L	19:38:17
2	Sn	189.927†	-518.8	-520.0	-0.1193 mg/L	-0.1193 mg/L	19:38:17
2	Ti	337.279†	251.0	709.3	-0.0011 mg/L	-0.0011 mg/L	19:38:07
2	Tl	190.801†	36.3	34.2	0.0192 mg/L	0.0192 mg/L	19:38:17
2	V	292.402†	-582.4	102.6	-0.0015 mg/L	-0.0015 mg/L	19:38:07
2	Zn	213.857†	243774.9	242179.2	2.597 mg/L	2.597 mg/L	19:38:04

Mean Data: CJ20602-DUP1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2464010.1	0.995 mg/L	0.0120			1.21%
Ag 328.068†	-372.8	-0.0047 mg/L	0.00083	-0.0047 mg/L	0.00083	17.71%
Al 237.313†	1671.3	0.2080 mg/L	0.00061	0.2080 mg/L	0.00061	0.29%
As 188.979†	-38.0	-0.0457 mg/L	0.00180	-0.0457 mg/L	0.00180	3.93%
B 182.528†	-1.5	0.0025 mg/L	0.00132	0.0025 mg/L	0.00132	52.72%
B 249.677†	121.0	0.0731 mg/L	0.00349	0.0731 mg/L	0.00349	4.78%
Ba 233.527†	56309.5	0.7773 mg/L	0.01525	0.7773 mg/L	0.01525	1.96%
Be 313.107†	-4.6	-0.0002 mg/L	0.00000	-0.0002 mg/L	0.00000	0.06%
Ca 315.887†	23436146.2	220.8 mg/L	1.43	220.8 mg/L	1.43	0.65%
Cd 228.802†	301.5	0.0109 mg/L	0.00001	0.0109 mg/L	0.00001	0.08%
Co 228.616†	371.6	0.0066 mg/L	0.00032	0.0066 mg/L	0.00032	4.78%
Cr 267.716†	254.6	-0.0004 mg/L	0.00016	-0.0004 mg/L	0.00016	42.29%
Cu 324.752†	498590.5	2.804 mg/L	0.0061	2.804 mg/L	0.0061	0.22%
Fe 234.349†	353.2	0.1233 mg/L	0.01013	0.1233 mg/L	0.01013	8.22%
Fe 238.204†	6903.2	0.0466 mg/L	0.00118	0.0466 mg/L	0.00118	2.54%
K 766.490†	9484.6	5.299 mg/L	0.0046	5.299 mg/L	0.0046	0.09%
Li 670.784†	236.8	0.0079 mg/L	0.00071	0.0079 mg/L	0.00071	9.01%
Mg 279.077†	31783.5	2.768 mg/L	0.0607	2.768 mg/L	0.0607	2.19%
Mn 257.610†	413146.9	0.7276 mg/L	0.00312	0.7276 mg/L	0.00312	0.43%
Mo 202.031†	204.1	0.0086 mg/L	0.00033	0.0086 mg/L	0.00033	3.80%
Na 589.592†	7794524.4	1275 mg/L	5.2	1275 mg/L	5.2	0.40%
Ni 231.604†	1149.9	0.0370 mg/L	0.00021	0.0370 mg/L	0.00021	0.56%
P 214.914†	1398.6	0.8078 mg/L	0.01223	0.8078 mg/L	0.01223	1.51%
Pb 220.353†	26420.1	2.271 mg/L	0.0463	2.271 mg/L	0.0463	2.04%
Sb 206.836†	15.6	0.0118 mg/L	0.00287	0.0118 mg/L	0.00287	24.35%
Se 196.026†	-23.4	-0.0241 mg/L	0.00744	-0.0241 mg/L	0.00744	30.90%
Sn 189.927†	-528.2	-0.1212 mg/L	0.00264	-0.1212 mg/L	0.00264	2.17%
Sr 407.771†	651002.7	0.6834 mg/L	0.00280	0.6834 mg/L	0.00280	0.41%
Ti 337.279†	731.7	-0.0010 mg/L	0.00004	-0.0010 mg/L	0.00004	4.38%
Tl 190.801†	32.4	0.0180 mg/L	0.00181	0.0180 mg/L	0.00181	10.05%
V 292.402†	103.3	-0.0015 mg/L	0.00001	-0.0015 mg/L	0.00001	0.77%
Zn 213.857†	241329.6	2.588 mg/L	0.0129	2.588 mg/L	0.0129	0.50%

Sequence No.: 55

Sample ID: CJ20602-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 53

Date Collected: 10/6/2012 7:39:56 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20602-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	962.4	1017.1	0.5938 mg/L	0.5938 mg/L	19:41:54
1	Fe 234.349†	3163.0	3362.3	2.686 mg/L	2.686 mg/L	19:41:54
1	K 766.490†	61851.7	65466.8	35.41 mg/L	35.41 mg/L	19:41:44
1	Li 670.784†	20356.3	21777.1	0.6733 mg/L	0.6733 mg/L	19:41:44
1	Na 589.592†	7783183.3	8259163.1	1351 mg/L	1351 mg/L	19:41:41
1	Sr 407.771†	687866.0	729814.7	0.7661 mg/L	0.7661 mg/L	19:41:44
1	Y 371.029	2334212.3	2334212.3	0.942 mg/L		19:42:18

1	Ag	328.068†	31129.2	31649.3	0.2681 mg/L	0.2681 mg/L	19:42:18
1	Al	237.313†	19809.9	21149.2	2.728 mg/L	2.728 mg/L	19:42:29
1	As	188.979†	379.5	399.7	0.5007 mg/L	0.5007 mg/L	19:42:29
1	B	182.528†	257.1	270.1	0.5325 mg/L	0.5325 mg/L	19:42:29
1	Ba	233.527†	86918.3	92289.9	1.275 mg/L	1.275 mg/L	19:42:18
1	Be	313.107†	76485.1	81679.9	0.0487 mg/L	0.0487 mg/L	19:42:18
1	Ca	315.887†	23204912.9	24624304.4	232.0 mg/L	232.0 mg/L	19:42:15
1	Cd	228.802†	7172.3	7548.3	0.2652 mg/L	0.2652 mg/L	19:42:29
1	Co	228.616†	17862.8	19020.4	0.4741 mg/L	0.4741 mg/L	19:42:29
1	Cr	267.716†	42582.5	44779.1	0.4905 mg/L	0.4905 mg/L	19:42:18
1	Cu	324.752†	562898.2	596099.9	3.354 mg/L	3.354 mg/L	19:42:18
1	Fe	238.204†	262552.2	278456.9	2.342 mg/L	2.342 mg/L	19:42:18
1	Mg	279.077†	77819.3	82444.9	7.237 mg/L	7.237 mg/L	19:42:18
1	Mn	257.610†	655633.9	694573.6	1.225 mg/L	1.225 mg/L	19:42:18
1	Mo	202.031†	8946.9	9467.1	0.5013 mg/L	0.5013 mg/L	19:42:29
1	Ni	231.604†	14077.7	14957.7	0.5271 mg/L	0.5271 mg/L	19:42:29
1	P	214.914†	10179.9	10460.0	6.191 mg/L	6.191 mg/L	19:42:29
1	Pb	220.353†	29902.0	31673.1	2.723 mg/L	2.723 mg/L	19:42:29
1	Sb	206.836†	640.6	643.0	0.5395 mg/L	0.5395 mg/L	19:42:29
1	Se	196.026†	1093.5	1160.4	1.125 mg/L	1.125 mg/L	19:42:29
1	Sn	189.927†	1677.0	1776.8	0.4075 mg/L	0.4075 mg/L	19:42:29
1	Ti	337.279†	337107.5	358189.0	0.5048 mg/L	0.5048 mg/L	19:42:18
1	Tl	190.801†	629.1	665.6	0.4552 mg/L	0.4552 mg/L	19:42:29
1	V	292.402†	75965.6	81295.8	0.5128 mg/L	0.5128 mg/L	19:42:18
1	Zn	213.857†	275295.9	291335.8	3.122 mg/L	3.122 mg/L	19:42:18
2	B	249.677†	978.1	1035.9	0.6048 mg/L	0.6048 mg/L	19:42:09
2	Fe	234.349†	3172.0	3378.6	2.702 mg/L	2.702 mg/L	19:42:09
2	K	766.490†	61970.8	65727.0	35.55 mg/L	35.55 mg/L	19:41:59
2	Li	670.784†	20529.7	22005.4	0.6803 mg/L	0.6803 mg/L	19:41:59
2	Na	589.592†	7845167.5	8341891.1	1365 mg/L	1365 mg/L	19:41:57
2	Sr	407.771†	691027.2	734662.5	0.7711 mg/L	0.7711 mg/L	19:41:59
2	Y	371.029	2329468.9	2329468.9	0.940 mg/L		19:42:36
2	Ag	328.068†	30941.4	31516.9	0.2669 mg/L	0.2669 mg/L	19:42:36
2	Al	237.313†	19824.9	21208.1	2.735 mg/L	2.735 mg/L	19:42:46
2	As	188.979†	382.5	403.8	0.5058 mg/L	0.5058 mg/L	19:42:46
2	B	182.528†	257.4	271.1	0.5344 mg/L	0.5344 mg/L	19:42:46
2	Ba	233.527†	86453.8	91983.7	1.271 mg/L	1.271 mg/L	19:42:36
2	Be	313.107†	76253.7	81599.0	0.0486 mg/L	0.0486 mg/L	19:42:36
2	Ca	315.887†	22954809.0	24408501.7	229.9 mg/L	229.9 mg/L	19:42:32
2	Cd	228.802†	7183.9	7576.1	0.2661 mg/L	0.2661 mg/L	19:42:46
2	Co	228.616†	17885.2	19082.9	0.4757 mg/L	0.4757 mg/L	19:42:46
2	Cr	267.716†	42411.5	44689.2	0.4896 mg/L	0.4896 mg/L	19:42:36
2	Cu	324.752†	561370.5	595691.7	3.351 mg/L	3.351 mg/L	19:42:36
2	Fe	238.204†	261069.9	277448.1	2.334 mg/L	2.334 mg/L	19:42:36
2	Mg	279.077†	77422.4	82191.0	7.215 mg/L	7.215 mg/L	19:42:36
2	Mn	257.610†	652880.7	693062.8	1.223 mg/L	1.223 mg/L	19:42:36
2	Mo	202.031†	8975.3	9516.7	0.5039 mg/L	0.5039 mg/L	19:42:46
2	Ni	231.604†	14119.2	15032.2	0.5297 mg/L	0.5297 mg/L	19:42:46
2	P	214.914†	10165.0	10466.1	6.195 mg/L	6.195 mg/L	19:42:46
2	Pb	220.353†	29943.3	31781.6	2.732 mg/L	2.732 mg/L	19:42:46
2	Sb	206.836†	640.1	643.9	0.5403 mg/L	0.5403 mg/L	19:42:46
2	Se	196.026†	1107.3	1177.3	1.141 mg/L	1.141 mg/L	19:42:46
2	Sn	189.927†	1659.9	1762.2	0.4042 mg/L	0.4042 mg/L	19:42:46
2	Ti	337.279†	336099.5	357845.5	0.5043 mg/L	0.5043 mg/L	19:42:36
2	Tl	190.801†	634.2	672.4	0.4600 mg/L	0.4600 mg/L	19:42:46
2	V	292.402†	75681.2	81157.5	0.5119 mg/L	0.5119 mg/L	19:42:36
2	Zn	213.857†	273958.7	290508.7	3.113 mg/L	3.113 mg/L	19:42:36

Mean Data: CJ20602-MS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2331840.6	0.941	mg/L	0.0014				0.14%
Ag 328.068†	31583.1	0.2675	mg/L	0.00080	0.2675	mg/L	0.00080	0.30%
Al 237.313†	21178.6	2.731	mg/L	0.0054	2.731	mg/L	0.0054	0.20%
As 188.979†	401.8	0.5032	mg/L	0.00354	0.5032	mg/L	0.00354	0.70%
B 182.528†	270.6	0.5335	mg/L	0.00132	0.5335	mg/L	0.00132	0.25%
B 249.677†	1026.5	0.5993	mg/L	0.00774	0.5993	mg/L	0.00774	1.29%
Ba 233.527†	92136.8	1.273	mg/L	0.0030	1.273	mg/L	0.0030	0.24%
Be 313.107†	81639.5	0.0486	mg/L	0.00003	0.0486	mg/L	0.00003	0.07%
Ca 315.887†	24516403.0	230.9	mg/L	1.44	230.9	mg/L	1.44	0.62%
Cd 228.802†	7562.2	0.2657	mg/L	0.00068	0.2657	mg/L	0.00068	0.26%
Co 228.616†	19051.7	0.4749	mg/L	0.00111	0.4749	mg/L	0.00111	0.23%

Cr 267.716†	44734.2	0.4901 mg/L	0.00070	0.4901 mg/L	0.00070	0.14%
Cu 324.752†	595895.8	3.353 mg/L	0.0016	3.353 mg/L	0.0016	0.05%
Fe 234.349†	3370.5	2.694 mg/L	0.0112	2.694 mg/L	0.0112	0.41%
Fe 238.204†	277952.5	2.338 mg/L	0.0060	2.338 mg/L	0.0060	0.26%
K 766.490†	65596.9	35.48 mg/L	0.099	35.48 mg/L	0.099	0.28%
Li 670.784†	21891.2	0.6768 mg/L	0.00499	0.6768 mg/L	0.00499	0.74%
Mg 279.077†	82317.9	7.226 mg/L	0.0158	7.226 mg/L	0.0158	0.22%
Mn 257.610†	693818.2	1.224 mg/L	0.0019	1.224 mg/L	0.0019	0.15%
Mo 202.031†	9491.9	0.5026 mg/L	0.00187	0.5026 mg/L	0.00187	0.37%
Na 589.592†	8300527.1	1358 mg/L	9.6	1358 mg/L	9.6	0.70%
Ni 231.604†	14995.0	0.5284 mg/L	0.00187	0.5284 mg/L	0.00187	0.35%
P 214.914†	10463.1	6.193 mg/L	0.0026	6.193 mg/L	0.0026	0.04%
Pb 220.353†	31727.3	2.727 mg/L	0.0066	2.727 mg/L	0.0066	0.24%
Sb 206.836†	643.4	0.5399 mg/L	0.00052	0.5399 mg/L	0.00052	0.10%
Se 196.026†	1168.9	1.133 mg/L	0.0116	1.133 mg/L	0.0116	1.03%
Sn 189.927†	1769.5	0.4059 mg/L	0.00230	0.4059 mg/L	0.00230	0.57%
Sr 407.771†	732238.6	0.7686 mg/L	0.00360	0.7686 mg/L	0.00360	0.47%
Ti 337.279†	358017.2	0.5046 mg/L	0.00034	0.5046 mg/L	0.00034	0.07%
Tl 190.801†	669.0	0.4576 mg/L	0.00335	0.4576 mg/L	0.00335	0.73%
V 292.402†	81226.7	0.5123 mg/L	0.00060	0.5123 mg/L	0.00060	0.12%
Zn 213.857†	290922.2	3.118 mg/L	0.0063	3.118 mg/L	0.0063	0.20%

Sequence No.: 56
Sample ID: CJ20602-SD1 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 10/6/2012 7:44:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	28.6	22.5	0.0157	mg/L	0.0157	mg/L	19:46:21
1	Fe 234.349†	78.5	78.9	0.0449	mg/L	0.0449	mg/L	19:46:21
1	K 766.490†	1981.5	1676.4	1.099	mg/L	1.099	mg/L	19:46:11
1	Li 670.784†	-209.5	-19.6	0.0000	mg/L	0.0000	mg/L	19:46:11
1	Na 589.592†	1518536.0	1413802.0	231.4	mg/L	231.4	mg/L	19:46:09
1	Sr 407.771†	121693.4	113181.3	0.1192	mg/L	0.1192	mg/L	19:46:09
1	Y 371.029	2660218.5	2660218.5	1.07	mg/L			19:46:40
1	Ag 328.068†	1340.7	-135.9	-0.0027	mg/L	-0.0027	mg/L	19:46:42
1	Al 237.313†	176.6	292.0	0.0299	mg/L	0.0299	mg/L	19:46:52
1	As 188.979†	-23.7	-25.0	-0.0296	mg/L	-0.0296	mg/L	19:46:52
1	B 182.528†	-8.9	-11.0	-0.0160	mg/L	-0.0160	mg/L	19:46:52
1	Ba 233.527†	12524.3	11716.2	0.1602	mg/L	0.1602	mg/L	19:46:42
1	Be 313.107†	-517.1	34.4	-0.0001	mg/L	-0.0001	mg/L	19:46:42
1	Ca 315.887†	5243368.4	4882099.5	45.97	mg/L	45.97	mg/L	19:46:40
1	Cd 228.802†	140.3	67.8	0.0025	mg/L	0.0025	mg/L	19:46:52
1	Co 228.616†	28.4	91.3	-0.0004	mg/L	-0.0004	mg/L	19:46:52
1	Cr 267.716†	481.9	40.4	-0.0028	mg/L	-0.0028	mg/L	19:46:42
1	Cu 324.752†	108025.0	99352.0	0.5561	mg/L	0.5561	mg/L	19:46:42
1	Fe 238.204†	2287.7	1973.4	0.0050	mg/L	0.0050	mg/L	19:46:52
1	Mg 279.077†	7451.5	6803.4	0.5627	mg/L	0.5627	mg/L	19:46:42
1	Mn 257.610†	94717.2	87025.7	0.1510	mg/L	0.1510	mg/L	19:46:42
1	Mo 202.031†	182.4	142.8	0.0070	mg/L	0.0070	mg/L	19:46:52
1	Ni 231.604†	258.3	259.3	0.0054	mg/L	0.0054	mg/L	19:46:52
1	P 214.914†	669.0	280.2	0.1842	mg/L	0.1842	mg/L	19:46:52
1	Pb 220.353†	5984.8	5514.5	0.4710	mg/L	0.4710	mg/L	19:46:42
1	Sb 206.836†	40.5	0.9	-0.0004	mg/L	-0.0004	mg/L	19:46:52
1	Se 196.026†	-12.8	-12.0	-0.0131	mg/L	-0.0131	mg/L	19:46:52
1	Sn 189.927†	-336.2	-315.9	-0.0739	mg/L	-0.0739	mg/L	19:46:52
1	Ti 337.279†	-87.1	378.1	-0.0015	mg/L	-0.0015	mg/L	19:46:42
1	Tl 190.801†	18.5	15.2	0.0061	mg/L	0.0061	mg/L	19:46:52
1	V 292.402†	-557.8	163.7	-0.0011	mg/L	-0.0011	mg/L	19:46:42
1	Zn 213.857†	54806.0	50230.3	0.5379	mg/L	0.5379	mg/L	19:46:42
2	B 249.677†	31.7	25.2	0.0173	mg/L	0.0173	mg/L	19:46:36
2	Fe 234.349†	92.1	90.8	0.0534	mg/L	0.0534	mg/L	19:46:36
2	K 766.490†	2138.7	1807.8	1.170	mg/L	1.170	mg/L	19:46:25
2	Li 670.784†	-234.2	-41.0	-0.0007	mg/L	-0.0007	mg/L	19:46:25
2	Na 589.592†	1657387.2	1531554.9	250.6	mg/L	250.6	mg/L	19:46:23
2	Sr 407.771†	130390.4	120371.8	0.1267	mg/L	0.1267	mg/L	19:46:23
2	Y 371.029	2680252.9	2680252.9	1.08	mg/L			19:46:55
2	Ag 328.068†	1381.1	-107.8	-0.0024	mg/L	-0.0024	mg/L	19:46:57

2	Al 237.313†	218.3	329.2	0.0347 mg/L	0.0347 mg/L	19:47:07
2	As 188.979†	-21.4	-22.8	-0.0268 mg/L	-0.0268 mg/L	19:47:07
2	B 182.528†	-3.9	-6.2	-0.0068 mg/L	-0.0068 mg/L	19:47:07
2	Ba 233.527†	12924.0	11998.3	0.1641 mg/L	0.1641 mg/L	19:46:57
2	Be 313.107†	-538.9	17.8	-0.0002 mg/L	-0.0002 mg/L	19:46:57
2	Ca 315.887†	5510410.5	5092397.5	47.95 mg/L	47.95 mg/L	19:46:55
2	Cd 228.802†	139.3	65.9	0.0024 mg/L	0.0024 mg/L	19:47:07
2	Co 228.616†	40.6	102.4	-0.0002 mg/L	-0.0002 mg/L	19:47:07
2	Cr 267.716†	437.3	-4.2	-0.0032 mg/L	-0.0032 mg/L	19:46:57
2	Cu 324.752†	111031.1	101378.3	0.5675 mg/L	0.5675 mg/L	19:46:57
2	Fe 238.204†	2315.2	1983.0	0.0050 mg/L	0.0050 mg/L	19:47:07
2	Mg 279.077†	7700.4	6981.5	0.5784 mg/L	0.5784 mg/L	19:46:57
2	Mn 257.610†	97844.6	89256.7	0.1549 mg/L	0.1549 mg/L	19:46:57
2	Mo 202.031†	175.2	134.8	0.0065 mg/L	0.0065 mg/L	19:47:07
2	Ni 231.604†	249.0	248.9	0.0051 mg/L	0.0051 mg/L	19:47:07
2	P 214.914†	675.7	281.8	0.1849 mg/L	0.1849 mg/L	19:47:07
2	Pb 220.353†	6178.0	5651.3	0.4828 mg/L	0.4828 mg/L	19:46:57
2	Sb 206.836†	42.4	2.4	0.0008 mg/L	0.0008 mg/L	19:47:07
2	Se 196.026†	-7.7	-7.2	-0.0084 mg/L	-0.0084 mg/L	19:47:07
2	Sn 189.927†	-357.6	-333.4	-0.0778 mg/L	-0.0778 mg/L	19:47:07
2	Ti 337.279†	-157.7	313.4	-0.0016 mg/L	-0.0016 mg/L	19:46:57
2	Tl 190.801†	17.4	14.1	0.0053 mg/L	0.0053 mg/L	19:47:07
2	V 292.402†	-676.4	58.0	-0.0018 mg/L	-0.0018 mg/L	19:46:57
2	Zn 213.857†	56732.3	51629.1	0.5529 mg/L	0.5529 mg/L	19:46:57

Mean Data: CJ20602-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	2670235.7	1.08	mg/L	0.006			0.53%
Ag 328.068†	-121.8	-0.0026	mg/L	0.00017	-0.0026 mg/L	0.00017	6.62%
Al 237.313†	310.6	0.0323	mg/L	0.00340	0.0323 mg/L	0.00340	10.52%
As 188.979†	-23.9	-0.0282	mg/L	0.00195	-0.0282 mg/L	0.00195	6.91%
B 182.528†	-8.6	-0.0114	mg/L	0.00652	-0.0114 mg/L	0.00652	57.00%
B 249.677†	23.8	0.0165	mg/L	0.00111	0.0165 mg/L	0.00111	6.76%
Ba 233.527†	11857.3	0.1622	mg/L	0.00276	0.1622 mg/L	0.00276	1.70%
Be 313.107†	26.1	-0.0001	mg/L	0.00001	-0.0001 mg/L	0.00001	4.79%
Ca 315.887†	4987248.5	46.96	mg/L	1.401	46.96 mg/L	1.401	2.98%
Cd 228.802†	66.9	0.0025	mg/L	0.00005	0.0025 mg/L	0.00005	2.23%
Co 228.616†	96.9	-0.0003	mg/L	0.00020	-0.0003 mg/L	0.00020	66.12%
Cr 267.716†	18.1	-0.0030	mg/L	0.00035	-0.0030 mg/L	0.00035	11.59%
Cu 324.752†	100365.1	0.5618	mg/L	0.00807	0.5618 mg/L	0.00807	1.44%
Fe 234.349†	84.9	0.0491	mg/L	0.00600	0.0491 mg/L	0.00600	12.23%
Fe 238.204†	1978.2	0.0050	mg/L	0.00006	0.0050 mg/L	0.00006	1.12%
K 766.490†	1742.1	1.134	mg/L	0.0500	1.134 mg/L	0.0500	4.41%
Li 670.784†	-30.3	-0.0004	mg/L	0.00047	-0.0004 mg/L	0.00047	132.39%
Mg 279.077†	6892.4	0.5706	mg/L	0.01112	0.5706 mg/L	0.01112	1.95%
Mn 257.610†	88141.2	0.1530	mg/L	0.00279	0.1530 mg/L	0.00279	1.82%
Mo 202.031†	138.8	0.0067	mg/L	0.00031	0.0067 mg/L	0.00031	4.57%
Na 589.592†	1472678.5	241.0	mg/L	13.62	241.0 mg/L	13.62	5.65%
Ni 231.604†	254.1	0.0052	mg/L	0.00026	0.0052 mg/L	0.00026	4.99%
P 214.914†	281.0	0.1845	mg/L	0.00054	0.1845 mg/L	0.00054	0.29%
Pb 220.353†	5582.9	0.4769	mg/L	0.00833	0.4769 mg/L	0.00833	1.75%
Sb 206.836†	1.6	0.0002	mg/L	0.00084	0.0002 mg/L	0.00084	481.94%
Se 196.026†	-9.6	-0.0108	mg/L	0.00333	-0.0108 mg/L	0.00333	30.89%
Sn 189.927†	-324.6	-0.0758	mg/L	0.00277	-0.0758 mg/L	0.00277	3.66%
Sr 407.771†	116776.5	0.1230	mg/L	0.00533	0.1230 mg/L	0.00533	4.34%
Ti 337.279†	345.7	-0.0016	mg/L	0.00006	-0.0016 mg/L	0.00006	4.13%
Tl 190.801†	14.7	0.0057	mg/L	0.00056	0.0057 mg/L	0.00056	9.79%
V 292.402†	110.8	-0.0014	mg/L	0.00047	-0.0014 mg/L	0.00047	33.14%
Zn 213.857†	50929.7	0.5454	mg/L	0.01062	0.5454 mg/L	0.01062	1.95%

Sequence No.: 57

Sample ID: CJ20602-PDS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 55

Date Collected: 10/6/2012 7:48:48 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20602-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	1011.9	988.9	0.5774 mg/L	0.5774 mg/L	19:50:39
1	Fe 234.349†	3313.0	3257.0	2.602 mg/L	2.602 mg/L	19:50:39
1	K 766.490†	64436.6	63066.4	34.12 mg/L	34.12 mg/L	19:50:29
1	Li 670.784†	21220.2	21000.0	0.6493 mg/L	0.6493 mg/L	19:50:29
1	Na 589.592†	8025716.3	7875915.2	1288 mg/L	1288 mg/L	19:50:26
1	Sr 407.771†	718722.7	705190.2	0.7402 mg/L	0.7402 mg/L	19:50:29
1	Y 371.029	2524070.8	2524070.8	1.02 mg/L		19:51:03
1	Ag 328.068†	32739.7	30745.1	0.2604 mg/L	0.2604 mg/L	19:51:03
1	Al 237.313†	21563.6	21289.0	2.746 mg/L	2.746 mg/L	19:51:13
1	As 188.979†	413.6	402.9	0.5046 mg/L	0.5046 mg/L	19:51:13
1	B 182.528†	290.4	282.4	0.5564 mg/L	0.5564 mg/L	19:51:13
1	Ba 233.527†	91243.9	89596.9	1.238 mg/L	1.238 mg/L	19:51:03
1	Be 313.107†	80680.5	79691.9	0.0475 mg/L	0.0475 mg/L	19:51:03
1	Ca 315.887†	24307834.5	23854429.6	224.7 mg/L	224.7 mg/L	19:51:00
1	Cd 228.802†	7730.2	7523.3	0.2643 mg/L	0.2643 mg/L	19:51:13
1	Co 228.616†	19240.6	18946.7	0.4723 mg/L	0.4723 mg/L	19:51:13
1	Cr 267.716†	44786.8	43543.4	0.4769 mg/L	0.4769 mg/L	19:51:03
1	Cu 324.752†	593868.9	581562.2	3.272 mg/L	3.272 mg/L	19:51:03
1	Fe 238.204†	276229.3	270921.9	2.279 mg/L	2.279 mg/L	19:51:03
1	Mg 279.077†	82201.7	80534.1	7.069 mg/L	7.069 mg/L	19:51:03
1	Mn 257.610†	689757.5	675727.8	1.192 mg/L	1.192 mg/L	19:51:03
1	Mo 202.031†	9622.0	9415.5	0.4986 mg/L	0.4986 mg/L	19:51:13
1	Ni 231.604†	15245.8	14980.3	0.5279 mg/L	0.5279 mg/L	19:51:13
1	P 214.914†	11093.6	10544.0	6.243 mg/L	6.243 mg/L	19:51:13
1	Pb 220.353†	32313.3	31652.6	2.721 mg/L	2.721 mg/L	19:51:13
1	Sb 206.836†	685.5	635.9	0.5336 mg/L	0.5336 mg/L	19:51:13
1	Se 196.026†	1231.5	1208.5	1.172 mg/L	1.172 mg/L	19:51:13
1	Sn 189.927†	1817.1	1780.3	0.4080 mg/L	0.4080 mg/L	19:51:13
1	Ti 337.279†	339172.4	333307.2	0.4696 mg/L	0.4696 mg/L	19:51:03
1	Tl 190.801†	682.9	668.2	0.4572 mg/L	0.4572 mg/L	19:51:13
1	V 292.402†	79962.7	79154.8	0.4993 mg/L	0.4993 mg/L	19:51:03
1	Zn 213.857†	291847.2	285604.2	3.061 mg/L	3.061 mg/L	19:51:03
2	B 249.677†	1039.4	993.2	0.5799 mg/L	0.5799 mg/L	19:50:54
2	Fe 234.349†	3385.6	3254.4	2.602 mg/L	2.602 mg/L	19:50:54
2	K 766.490†	64248.0	61481.4	33.27 mg/L	33.27 mg/L	19:50:44
2	Li 670.784†	21253.2	20569.3	0.6360 mg/L	0.6360 mg/L	19:50:44
2	Na 589.592†	8145167.1	7815663.9	1279 mg/L	1279 mg/L	19:50:42
2	Sr 407.771†	720787.2	691511.0	0.7259 mg/L	0.7259 mg/L	19:50:44
2	Y 371.029	2581385.2	2581385.2	1.04 mg/L		19:51:21
2	Ag 328.068†	33596.0	30853.3	0.2613 mg/L	0.2613 mg/L	19:51:21
2	Al 237.313†	21571.2	20826.5	2.686 mg/L	2.686 mg/L	19:51:31
2	As 188.979†	423.4	403.3	0.5052 mg/L	0.5052 mg/L	19:51:31
2	B 182.528†	296.6	281.9	0.5556 mg/L	0.5556 mg/L	19:51:31
2	Ba 233.527†	94016.3	90269.1	1.247 mg/L	1.247 mg/L	19:51:21
2	Be 313.107†	83324.1	80470.8	0.0479 mg/L	0.0479 mg/L	19:51:21
2	Ca 315.887†	24649339.3	23652483.2	222.8 mg/L	222.8 mg/L	19:51:17
2	Cd 228.802†	7750.4	7374.2	0.2590 mg/L	0.2590 mg/L	19:51:31
2	Co 228.616†	19313.0	18596.9	0.4635 mg/L	0.4635 mg/L	19:51:31
2	Cr 267.716†	45950.4	43684.0	0.4785 mg/L	0.4785 mg/L	19:51:21
2	Cu 324.752†	610750.1	584821.0	3.290 mg/L	3.290 mg/L	19:51:21
2	Fe 238.204†	284202.3	272553.8	2.293 mg/L	2.293 mg/L	19:51:21
2	Mg 279.077†	84479.7	80928.8	7.104 mg/L	7.104 mg/L	19:51:21
2	Mn 257.610†	709048.4	679209.6	1.198 mg/L	1.198 mg/L	19:51:21
2	Mo 202.031†	9659.5	9241.8	0.4893 mg/L	0.4893 mg/L	19:51:31
2	Ni 231.604†	15300.5	14700.6	0.5180 mg/L	0.5180 mg/L	19:51:31
2	P 214.914†	11126.1	10333.5	6.117 mg/L	6.117 mg/L	19:51:31
2	Pb 220.353†	32403.9	31035.5	2.668 mg/L	2.668 mg/L	19:51:31
2	Sb 206.836†	688.3	623.7	0.5233 mg/L	0.5233 mg/L	19:51:31
2	Se 196.026†	1231.8	1181.9	1.146 mg/L	1.146 mg/L	19:51:31
2	Sn 189.927†	1851.3	1773.6	0.4065 mg/L	0.4065 mg/L	19:51:31
2	Ti 337.279†	347539.6	333945.8	0.4705 mg/L	0.4705 mg/L	19:51:21
2	Tl 190.801†	676.9	647.5	0.4428 mg/L	0.4428 mg/L	19:51:31
2	V 292.402†	81991.4	79359.1	0.5005 mg/L	0.5005 mg/L	19:51:21
2	Zn 213.857†	300734.7	287773.2	3.084 mg/L	3.084 mg/L	19:51:21

Mean Data: CJ20602-PDS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2552728.0	1.03 mg/L	0.016			1.59%
Ag 328.068†	30799.2	0.2608 mg/L	0.00065	0.2608 mg/L	0.00065	0.25%
Al 237.313†	21057.7	2.716 mg/L	0.0422	2.716 mg/L	0.0422	1.56%
As 188.979†	403.1	0.5049 mg/L	0.00042	0.5049 mg/L	0.00042	0.08%

B 182.528†	282.1	0.5560 mg/L	0.00057	0.5560 mg/L	0.00057	0.10%
B 249.677†	991.0	0.5787 mg/L	0.00179	0.5787 mg/L	0.00179	0.31%
Ba 233.527†	89933.0	1.242 mg/L	0.0066	1.242 mg/L	0.0066	0.53%
Be 313.107†	80081.3	0.0477 mg/L	0.00033	0.0477 mg/L	0.00033	0.69%
Ca 315.887†	23753456.4	223.7 mg/L	1.35	223.7 mg/L	1.35	0.60%
Cd 228.802†	7448.7	0.2616 mg/L	0.00374	0.2616 mg/L	0.00374	1.43%
Co 228.616†	18771.8	0.4679 mg/L	0.00622	0.4679 mg/L	0.00622	1.33%
Cr 267.716†	43613.7	0.4777 mg/L	0.00109	0.4777 mg/L	0.00109	0.23%
Cu 324.752†	583191.6	3.281 mg/L	0.0130	3.281 mg/L	0.0130	0.40%
Fe 234.349†	3255.7	2.602 mg/L	0.0003	2.602 mg/L	0.0003	0.01%
Fe 238.204†	271737.8	2.286 mg/L	0.0098	2.286 mg/L	0.0098	0.43%
K 766.490†	62273.9	33.69 mg/L	0.603	33.69 mg/L	0.603	1.79%
Li 670.784†	20784.7	0.6426 mg/L	0.00941	0.6426 mg/L	0.00941	1.46%
Mg 279.077†	80731.4	7.086 mg/L	0.0246	7.086 mg/L	0.0246	0.35%
Mn 257.610†	677468.7	1.195 mg/L	0.0044	1.195 mg/L	0.0044	0.36%
Mo 202.031†	9328.7	0.4940 mg/L	0.00656	0.4940 mg/L	0.00656	1.33%
Na 589.592†	7845789.5	1283 mg/L	7.0	1283 mg/L	7.0	0.54%
Ni 231.604†	14840.4	0.5229 mg/L	0.00702	0.5229 mg/L	0.00702	1.34%
P 214.914†	10438.8	6.180 mg/L	0.0887	6.180 mg/L	0.0887	1.44%
Pb 220.353†	31344.1	2.694 mg/L	0.0377	2.694 mg/L	0.0377	1.40%
Sb 206.836†	629.8	0.5285 mg/L	0.00730	0.5285 mg/L	0.00730	1.38%
Se 196.026†	1195.2	1.159 mg/L	0.0182	1.159 mg/L	0.0182	1.57%
Sn 189.927†	1776.9	0.4073 mg/L	0.00109	0.4073 mg/L	0.00109	0.27%
Sr 407.771†	698350.6	0.7331 mg/L	0.01015	0.7331 mg/L	0.01015	1.38%
Ti 337.279†	333626.5	0.4700 mg/L	0.00064	0.4700 mg/L	0.00064	0.14%
Tl 190.801†	657.9	0.4500 mg/L	0.01018	0.4500 mg/L	0.01018	2.26%
V 292.402†	79257.0	0.4999 mg/L	0.00086	0.4999 mg/L	0.00086	0.17%
Zn 213.857†	286688.7	3.072 mg/L	0.0165	3.072 mg/L	0.0165	0.54%

Sequence No.: 58
Sample ID: CJ20603-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 10/6/2012 7:53:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20603-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	192.2	152.6	0.0914	mg/L	0.0914	mg/L	19:54:56
1	Fe 234.349†	15.9	18.7	0.0338	mg/L	0.0338	mg/L	19:54:56
1	K 766.490†	556.0	284.6	0.3503	mg/L	0.3503	mg/L	19:54:46
1	Li 670.784†	-111.4	84.6	0.0032	mg/L	0.0032	mg/L	19:54:46
1	Na 589.592†	41716.3	33864.2	5.641	mg/L	5.641	mg/L	19:54:46
1	Sr 407.771†	1424.9	1030.9	0.0015	mg/L	0.0015	mg/L	19:54:46
1	Y 371.029	3037837.9	3037837.9	1.23	mg/L			19:55:12
1	Ag 328.068†	1424.0	-223.1	-0.0034	mg/L	-0.0034	mg/L	19:55:15
1	Al 237.313†	40.4	160.4	0.0129	mg/L	0.0129	mg/L	19:55:25
1	As 188.979†	-4.9	-6.9	-0.0070	mg/L	-0.0070	mg/L	19:55:25
1	B 182.528†	60.5	46.7	0.0964	mg/L	0.0964	mg/L	19:55:25
1	Ba 233.527†	168.1	191.4	0.0007	mg/L	0.0007	mg/L	19:55:25
1	Be 313.107†	-551.6	66.1	-0.0001	mg/L	-0.0001	mg/L	19:55:15
1	Ca 315.887†	103884.0	84553.7	0.7803	mg/L	0.7803	mg/L	19:55:15
1	Cd 228.802†	68.9	-6.6	-0.0002	mg/L	-0.0002	mg/L	19:55:25
1	Co 228.616†	-51.9	22.6	-0.0022	mg/L	-0.0022	mg/L	19:55:25
1	Cr 267.716†	465.5	-28.8	-0.0035	mg/L	-0.0035	mg/L	19:55:15
1	Cu 324.752†	2368.8	698.2	0.0006	mg/L	0.0006	mg/L	19:55:15
1	Fe 238.204†	2654.5	2007.7	0.0053	mg/L	0.0053	mg/L	19:55:25
1	Mg 279.077†	2036.4	1525.6	0.0967	mg/L	0.0967	mg/L	19:55:15
1	Mn 257.610†	2408.7	795.8	-0.0015	mg/L	-0.0015	mg/L	19:55:25
1	Mo 202.031†	59.6	21.5	0.0009	mg/L	0.0009	mg/L	19:55:25
1	Ni 231.604†	-7.0	13.1	-0.0033	mg/L	-0.0033	mg/L	19:55:25
1	P 214.914†	376.7	-35.5	0.0067	mg/L	0.0067	mg/L	19:55:25
1	Pb 220.353†	76.4	4.2	-0.0035	mg/L	-0.0035	mg/L	19:55:25
1	Sb 206.836†	34.5	-8.6	-0.0085	mg/L	-0.0085	mg/L	19:55:25
1	Se 196.026†	5.4	4.3	0.0027	mg/L	0.0027	mg/L	19:55:25
1	Sn 189.927†	-12.3	-12.9	-0.0055	mg/L	-0.0055	mg/L	19:55:25
1	Ti 337.279†	102.6	542.8	-0.0013	mg/L	-0.0013	mg/L	19:55:15
1	Tl 190.801†	3.2	0.6	-0.0041	mg/L	-0.0041	mg/L	19:55:25
1	V 292.402†	-690.5	120.1	-0.0014	mg/L	-0.0014	mg/L	19:55:15
1	Zn 213.857†	2454.8	1200.5	0.0118	mg/L	0.0118	mg/L	19:55:25
2	B 249.677†	181.4	146.4	0.0878	mg/L	0.0878	mg/L	19:55:09

2	Fe 234.349†	14.2	17.5	0.0328 mg/L	0.0328 mg/L	19:55:09
2	K 766.490†	616.8	343.2	0.3818 mg/L	0.3818 mg/L	19:54:59
2	Li 670.784†	-141.9	57.7	0.0024 mg/L	0.0024 mg/L	19:54:59
2	Na 589.592†	42100.8	34789.3	5.792 mg/L	5.792 mg/L	19:54:59
2	Sr 407.771†	1392.7	1024.8	0.0015 mg/L	0.0015 mg/L	19:54:59
2	Y 371.029	2984666.1	2984666.1	1.20 mg/L		19:55:27
2	Ag 328.068†	1447.0	-183.3	-0.0031 mg/L	-0.0031 mg/L	19:55:29
2	Al 237.313†	14.0	139.1	0.0102 mg/L	0.0102 mg/L	19:55:40
2	As 188.979†	3.0	-0.5	0.0010 mg/L	0.0010 mg/L	19:55:40
2	B 182.528†	59.8	47.0	0.0970 mg/L	0.0970 mg/L	19:55:40
2	Ba 233.527†	158.5	186.0	0.0007 mg/L	0.0007 mg/L	19:55:40
2	Be 313.107†	-489.2	109.8	-0.0001 mg/L	-0.0001 mg/L	19:55:29
2	Ca 315.887†	104903.9	86909.1	0.8025 mg/L	0.8025 mg/L	19:55:29
2	Cd 228.802†	74.9	-0.7	-0.0001 mg/L	-0.0001 mg/L	19:55:40
2	Co 228.616†	-78.0	0.1	-0.0027 mg/L	-0.0027 mg/L	19:55:40
2	Cr 267.716†	479.4	-10.5	-0.0033 mg/L	-0.0033 mg/L	19:55:29
2	Cu 324.752†	2400.6	759.1	0.0010 mg/L	0.0010 mg/L	19:55:29
2	Fe 238.204†	2638.4	2033.0	0.0055 mg/L	0.0055 mg/L	19:55:40
2	Mg 279.077†	2111.1	1617.1	0.1048 mg/L	0.1048 mg/L	19:55:29
2	Mn 257.610†	2354.1	785.5	-0.0015 mg/L	-0.0015 mg/L	19:55:40
2	Mo 202.031†	48.4	13.1	0.0005 mg/L	0.0005 mg/L	19:55:40
2	Ni 231.604†	5.3	23.2	-0.0030 mg/L	-0.0030 mg/L	19:55:40
2	P 214.914†	376.3	-30.4	0.0097 mg/L	0.0097 mg/L	19:55:40
2	Pb 220.353†	75.9	4.9	-0.0035 mg/L	-0.0035 mg/L	19:55:40
2	Sb 206.836†	39.9	-3.7	-0.0043 mg/L	-0.0043 mg/L	19:55:40
2	Se 196.026†	6.2	5.1	0.0035 mg/L	0.0035 mg/L	19:55:40
2	Sn 189.927†	-12.1	-12.9	-0.0055 mg/L	-0.0055 mg/L	19:55:40
2	Ti 337.279†	227.6	648.0	-0.0011 mg/L	-0.0011 mg/L	19:55:29
2	Tl 190.801†	4.8	2.0	-0.0031 mg/L	-0.0031 mg/L	19:55:40
2	V 292.402†	-638.3	153.4	-0.0012 mg/L	-0.0012 mg/L	19:55:29
2	Zn 213.857†	2444.8	1227.8	0.0121 mg/L	0.0121 mg/L	19:55:40

Mean Data: CJ20603-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3011252.0	1.22	mg/L	0.015				1.25%
Ag 328.068†	-203.2	-0.0032	mg/L	0.00024	-0.0032	mg/L	0.00024	7.35%
Al 237.313†	149.8	0.0115	mg/L	0.00195	0.0115	mg/L	0.00195	16.87%
As 188.979†	-3.7	-0.0030	mg/L	0.00566	-0.0030	mg/L	0.00566	185.84%
B 182.528†	46.8	0.0967	mg/L	0.00044	0.0967	mg/L	0.00044	0.46%
B 249.677†	149.5	0.0896	mg/L	0.00255	0.0896	mg/L	0.00255	2.84%
Ba 233.527†	188.7	0.0007	mg/L	0.00005	0.0007	mg/L	0.00005	7.64%
Be 313.107†	88.0	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	16.75%
Ca 315.887†	85731.4	0.7914	mg/L	0.01569	0.7914	mg/L	0.01569	1.98%
Cd 228.802†	-3.6	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	84.88%
Co 228.616†	11.3	-0.0024	mg/L	0.00040	-0.0024	mg/L	0.00040	16.27%
Cr 267.716†	-19.7	-0.0034	mg/L	0.00014	-0.0034	mg/L	0.00014	4.16%
Cu 324.752†	728.6	0.0008	mg/L	0.00024	0.0008	mg/L	0.00024	31.08%
Fe 234.349†	18.1	0.0333	mg/L	0.00073	0.0333	mg/L	0.00073	2.18%
Fe 238.204†	2020.3	0.0054	mg/L	0.00015	0.0054	mg/L	0.00015	2.82%
K 766.490†	313.9	0.3660	mg/L	0.02228	0.3660	mg/L	0.02228	6.09%
Li 670.784†	71.1	0.0028	mg/L	0.00059	0.0028	mg/L	0.00059	21.15%
Mg 279.077†	1571.3	0.1008	mg/L	0.00571	0.1008	mg/L	0.00571	5.67%
Mn 257.610†	790.6	-0.0015	mg/L	0.00001	-0.0015	mg/L	0.00001	0.87%
Mo 202.031†	17.3	0.0007	mg/L	0.00032	0.0007	mg/L	0.00032	46.94%
Na 589.592†	34326.8	5.716	mg/L	0.1070	5.716	mg/L	0.1070	1.87%
Ni 231.604†	18.1	-0.0031	mg/L	0.00025	-0.0031	mg/L	0.00025	8.03%
P 214.914†	-33.0	0.0082	mg/L	0.00217	0.0082	mg/L	0.00217	26.40%
Pb 220.353†	4.5	-0.0035	mg/L	0.00004	-0.0035	mg/L	0.00004	1.23%
Sb 206.836†	-6.2	-0.0064	mg/L	0.00294	-0.0064	mg/L	0.00294	46.02%
Se 196.026†	4.7	0.0031	mg/L	0.00053	0.0031	mg/L	0.00053	17.02%
Sn 189.927†	-12.9	-0.0055	mg/L	0.00001	-0.0055	mg/L	0.00001	0.25%
Sr 407.771†	1027.9	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.29%
Ti 337.279†	595.4	-0.0012	mg/L	0.00011	-0.0012	mg/L	0.00011	8.68%
Tl 190.801†	1.3	-0.0036	mg/L	0.00070	-0.0036	mg/L	0.00070	19.65%
V 292.402†	136.7	-0.0013	mg/L	0.00015	-0.0013	mg/L	0.00015	11.19%
Zn 213.857†	1214.1	0.0120	mg/L	0.00021	0.0120	mg/L	0.00021	1.72%

Sequence No.: 59

Sample ID: CJ20603-BS1

Analyst:

Autosampler Location: 57

Date Collected: 10/6/2012 7:57:16 PM

Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20603-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	1154.0	956.7	0.5586	mg/L	0.5586	mg/L	19:58:56
1	Fe 234.349†	3740.8	3120.2	2.681	mg/L	2.681	mg/L	19:58:56
1	K 766.490†	51608.7	42798.7	23.22	mg/L	23.22	mg/L	19:58:54
1	Li 670.784†	18329.2	15435.7	0.4774	mg/L	0.4774	mg/L	19:58:56
1	Na 589.592†	205012.7	170535.4	28.00	mg/L	28.00	mg/L	19:58:54
1	Sr 407.771†	54223.6	45013.6	0.0477	mg/L	0.0477	mg/L	19:58:54
1	Y 371.029	2975157.5	2975157.5	1.20	mg/L			19:59:05
1	Ag 328.068†	36335.9	28867.7	0.2444	mg/L	0.2444	mg/L	19:59:07
1	Al 237.313†	21821.4	18295.2	2.359	mg/L	2.359	mg/L	19:59:07
1	As 188.979†	468.8	387.3	0.4852	mg/L	0.4852	mg/L	19:59:17
1	B 182.528†	384.8	317.7	0.6254	mg/L	0.6254	mg/L	19:59:17
1	Ba 233.527†	43903.0	36606.5	0.5044	mg/L	0.5044	mg/L	19:59:07
1	Be 313.107†	98289.0	82347.6	0.0491	mg/L	0.0491	mg/L	19:59:07
1	Ca 315.887†	699261.9	582027.8	5.469	mg/L	5.469	mg/L	19:59:05
1	Cd 228.802†	8427.6	6953.6	0.2442	mg/L	0.2442	mg/L	19:59:17
1	Co 228.616†	23718.2	19811.8	0.4940	mg/L	0.4940	mg/L	19:59:07
1	Cr 267.716†	53880.9	44450.9	0.4869	mg/L	0.4869	mg/L	19:59:07
1	Cu 324.752†	107222.3	88036.1	0.4928	mg/L	0.4928	mg/L	19:59:07
1	Fe 238.204†	371688.1	309297.0	2.603	mg/L	2.603	mg/L	19:59:07
1	Mg 279.077†	68842.9	57181.2	5.007	mg/L	5.007	mg/L	19:59:07
1	Mn 257.610†	346305.2	287152.7	0.5050	mg/L	0.5050	mg/L	19:59:07
1	Mo 202.031†	11083.4	9200.5	0.4891	mg/L	0.4891	mg/L	19:59:17
1	Ni 231.604†	17263.0	14391.3	0.5070	mg/L	0.5070	mg/L	19:59:07
1	P 214.914†	10193.5	8144.0	4.867	mg/L	4.867	mg/L	19:59:17
1	Pb 220.353†	6838.4	5635.3	0.4808	mg/L	0.4808	mg/L	19:59:17
1	Sb 206.836†	754.8	591.6	0.4964	mg/L	0.4964	mg/L	19:59:17
1	Se 196.026†	1256.2	1045.8	1.014	mg/L	1.014	mg/L	19:59:17
1	Sn 189.927†	2780.7	2312.2	0.5280	mg/L	0.5280	mg/L	19:59:17
1	Ti 337.279†	412401.4	343809.3	0.4844	mg/L	0.4844	mg/L	19:59:05
1	Tl 190.801†	859.5	713.6	0.4889	mg/L	0.4889	mg/L	19:59:17
1	V 292.402†	92835.4	77974.4	0.4919	mg/L	0.4919	mg/L	19:59:07
1	Zn 213.857†	58029.6	47512.1	0.5060	mg/L	0.5060	mg/L	19:59:07
2	B 249.677†	1142.2	964.0	0.5628	mg/L	0.5628	mg/L	19:59:01
2	Fe 234.349†	3736.4	3172.7	2.726	mg/L	2.726	mg/L	19:59:01
2	K 766.490†	50973.0	43035.5	23.34	mg/L	23.34	mg/L	19:58:59
2	Li 670.784†	18270.8	15661.6	0.4844	mg/L	0.4844	mg/L	19:59:01
2	Na 589.592†	202339.6	171350.4	28.13	mg/L	28.13	mg/L	19:58:59
2	Sr 407.771†	53208.0	44967.6	0.0476	mg/L	0.0476	mg/L	19:58:59
2	Y 371.029	2922411.5	2922411.5	1.18	mg/L			19:59:20
2	Ag 328.068†	36599.9	29637.5	0.2509	mg/L	0.2509	mg/L	19:59:22
2	Al 237.313†	22020.1	18791.5	2.423	mg/L	2.423	mg/L	19:59:22
2	As 188.979†	480.6	404.3	0.5064	mg/L	0.5064	mg/L	19:59:32
2	B 182.528†	377.1	317.0	0.6239	mg/L	0.6239	mg/L	19:59:32
2	Ba 233.527†	44328.3	37626.6	0.5185	mg/L	0.5185	mg/L	19:59:22
2	Be 313.107†	99284.2	84668.1	0.0505	mg/L	0.0505	mg/L	19:59:22
2	Ca 315.887†	689075.9	583901.9	5.487	mg/L	5.487	mg/L	19:59:20
2	Cd 228.802†	8359.4	7022.5	0.2465	mg/L	0.2465	mg/L	19:59:32
2	Co 228.616†	23918.4	20337.9	0.5072	mg/L	0.5072	mg/L	19:59:22
2	Cr 267.716†	54416.9	45714.9	0.5008	mg/L	0.5008	mg/L	19:59:22
2	Cu 324.752†	107771.1	90112.5	0.5045	mg/L	0.5045	mg/L	19:59:22
2	Fe 238.204†	373454.3	316379.3	2.663	mg/L	2.663	mg/L	19:59:22
2	Mg 279.077†	69237.1	58549.7	5.128	mg/L	5.128	mg/L	19:59:22
2	Mn 257.610†	349120.0	294742.3	0.5184	mg/L	0.5184	mg/L	19:59:22
2	Mo 202.031†	11030.5	9322.2	0.4956	mg/L	0.4956	mg/L	19:59:32
2	Ni 231.604†	17429.8	14792.1	0.5212	mg/L	0.5212	mg/L	19:59:22
2	P 214.914†	10101.3	8219.1	4.911	mg/L	4.911	mg/L	19:59:32
2	Pb 220.353†	6782.9	5691.0	0.4856	mg/L	0.4856	mg/L	19:59:32
2	Sb 206.836†	748.3	597.4	0.5013	mg/L	0.5013	mg/L	19:59:32
2	Se 196.026†	1241.3	1052.0	1.020	mg/L	1.020	mg/L	19:59:32
2	Sn 189.927†	2752.6	2330.2	0.5321	mg/L	0.5321	mg/L	19:59:32
2	Ti 337.279†	406840.1	345292.7	0.4865	mg/L	0.4865	mg/L	19:59:20
2	Tl 190.801†	860.5	727.4	0.4984	mg/L	0.4984	mg/L	19:59:32
2	V 292.402†	93597.4	80015.2	0.5048	mg/L	0.5048	mg/L	19:59:22
2	Zn 213.857†	58378.2	48679.6	0.5185	mg/L	0.5185	mg/L	19:59:22

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2948784.5	1.19	mg/L	0.015				1.26%
Ag 328.068†	29252.6	0.2476	mg/L	0.00464	0.2476	mg/L	0.00464	1.87%
Al 237.313†	18543.4	2.391	mg/L	0.0454	2.391	mg/L	0.0454	1.90%
As 188.979†	395.8	0.4958	mg/L	0.01503	0.4958	mg/L	0.01503	3.03%
B 182.528†	317.3	0.6246	mg/L	0.00105	0.6246	mg/L	0.00105	0.17%
B 249.677†	960.3	0.5607	mg/L	0.00299	0.5607	mg/L	0.00299	0.53%
Ba 233.527†	37116.6	0.5115	mg/L	0.00998	0.5115	mg/L	0.00998	1.95%
Be 313.107†	83507.9	0.0498	mg/L	0.00098	0.0498	mg/L	0.00098	1.97%
Ca 315.887†	582964.8	5.478	mg/L	0.0125	5.478	mg/L	0.0125	0.23%
Cd 228.802†	6988.1	0.2453	mg/L	0.00166	0.2453	mg/L	0.00166	0.68%
Co 228.616†	20074.8	0.5006	mg/L	0.00934	0.5006	mg/L	0.00934	1.87%
Cr 267.716†	45082.9	0.4939	mg/L	0.00985	0.4939	mg/L	0.00985	1.99%
Cu 324.752†	89074.3	0.4986	mg/L	0.00827	0.4986	mg/L	0.00827	1.66%
Fe 234.349†	3146.4	2.703	mg/L	0.0317	2.703	mg/L	0.0317	1.17%
Fe 238.204†	312838.2	2.633	mg/L	0.0423	2.633	mg/L	0.0423	1.61%
K 766.490†	42917.1	23.28	mg/L	0.090	23.28	mg/L	0.090	0.39%
Li 670.784†	15548.7	0.4809	mg/L	0.00493	0.4809	mg/L	0.00493	1.03%
Mg 279.077†	57865.4	5.067	mg/L	0.0854	5.067	mg/L	0.0854	1.68%
Mn 257.610†	290947.5	0.5117	mg/L	0.00949	0.5117	mg/L	0.00949	1.85%
Mo 202.031†	9261.4	0.4923	mg/L	0.00457	0.4923	mg/L	0.00457	0.93%
Na 589.592†	170942.9	28.06	mg/L	0.094	28.06	mg/L	0.094	0.34%
Ni 231.604†	14591.7	0.5141	mg/L	0.01005	0.5141	mg/L	0.01005	1.95%
P 214.914†	8181.5	4.889	mg/L	0.0315	4.889	mg/L	0.0315	0.64%
Pb 220.353†	5663.2	0.4832	mg/L	0.00337	0.4832	mg/L	0.00337	0.70%
Sb 206.836†	594.5	0.4988	mg/L	0.00347	0.4988	mg/L	0.00347	0.70%
Se 196.026†	1048.9	1.017	mg/L	0.0043	1.017	mg/L	0.0043	0.42%
Sn 189.927†	2321.2	0.5301	mg/L	0.00297	0.5301	mg/L	0.00297	0.56%
Sr 407.771†	44990.6	0.0477	mg/L	0.00003	0.0477	mg/L	0.00003	0.07%
Ti 337.279†	344551.0	0.4855	mg/L	0.00148	0.4855	mg/L	0.00148	0.31%
Tl 190.801†	720.5	0.4936	mg/L	0.00672	0.4936	mg/L	0.00672	1.36%
V 292.402†	78994.8	0.4983	mg/L	0.00913	0.4983	mg/L	0.00913	1.83%
Zn 213.857†	48095.9	0.5123	mg/L	0.00881	0.5123	mg/L	0.00881	1.72%

Sequence No.: 60

Sample ID: CJ20603-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 58

Date Collected: 10/6/2012 8:01:09 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20603-BSD1

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	1213.3	998.8	0.5831	mg/L	0.5831	mg/L	20:02:50
1	Fe 234.349†	3644.1	3017.9	2.593	mg/L	2.593	mg/L	20:02:50
1	K 766.490†	51834.5	42677.1	23.15	mg/L	23.15	mg/L	20:02:48
1	Li 670.784†	18392.1	15378.1	0.4756	mg/L	0.4756	mg/L	20:02:50
1	Na 589.592†	209386.4	172925.6	28.39	mg/L	28.39	mg/L	20:02:48
1	Sr 407.771†	55078.0	45395.9	0.0481	mg/L	0.0481	mg/L	20:02:48
1	Y 371.029	2996664.9	2996664.9	1.21	mg/L			20:02:58
1	Ag 328.068†	36719.1	28967.3	0.2452	mg/L	0.2452	mg/L	20:03:00
1	Al 237.313†	22224.0	18497.6	2.385	mg/L	2.385	mg/L	20:03:00
1	As 188.979†	478.3	392.4	0.4915	mg/L	0.4915	mg/L	20:03:11
1	B 182.528†	368.9	302.2	0.5952	mg/L	0.5952	mg/L	20:03:11
1	Ba 233.527†	44517.4	36852.0	0.5078	mg/L	0.5078	mg/L	20:03:00
1	Be 313.107†	98799.3	82182.1	0.0490	mg/L	0.0490	mg/L	20:03:00
1	Ca 315.887†	703387.7	581259.8	5.462	mg/L	5.462	mg/L	20:02:58
1	Cd 228.802†	8269.3	6772.5	0.2377	mg/L	0.2377	mg/L	20:03:11
1	Co 228.616†	24169.2	20042.8	0.4998	mg/L	0.4998	mg/L	20:03:00
1	Cr 267.716†	54949.9	45012.6	0.4931	mg/L	0.4931	mg/L	20:03:00
1	Cu 324.752†	109210.6	89038.9	0.4984	mg/L	0.4984	mg/L	20:03:00
1	Fe 238.204†	351999.1	290801.4	2.447	mg/L	2.447	mg/L	20:03:00
1	Mg 279.077†	69979.6	57709.4	5.054	mg/L	5.054	mg/L	20:03:00
1	Mn 257.610†	352020.9	289807.8	0.5097	mg/L	0.5097	mg/L	20:03:00
1	Mo 202.031†	10970.1	9040.6	0.4806	mg/L	0.4806	mg/L	20:03:11
1	Ni 231.604†	17586.7	14555.7	0.5128	mg/L	0.5128	mg/L	20:03:00
1	P 214.914†	9993.4	7917.7	4.732	mg/L	4.732	mg/L	20:03:11
1	Pb 220.353†	6773.2	5540.5	0.4726	mg/L	0.4726	mg/L	20:03:11
1	Sb 206.836†	744.6	578.7	0.4855	mg/L	0.4855	mg/L	20:03:11

1	Se 196.026†	1239.9	1024.8	0.9934 mg/L	0.9934 mg/L	20:03:11
1	Sn 189.927†	2750.2	2270.4	0.5182 mg/L	0.5182 mg/L	20:03:11
1	Ti 337.279†	409258.4	338747.1	0.4773 mg/L	0.4773 mg/L	20:02:58
1	Tl 190.801†	843.5	695.3	0.4761 mg/L	0.4761 mg/L	20:03:11
1	V 292.402†	94660.9	78928.6	0.4979 mg/L	0.4979 mg/L	20:03:00
1	Zn 213.857†	58783.1	47788.2	0.5090 mg/L	0.5090 mg/L	20:03:00
2	B 249.677†	1232.7	1021.5	0.5964 mg/L	0.5964 mg/L	20:02:54
2	Fe 234.349†	3657.3	3049.0	2.620 mg/L	2.620 mg/L	20:02:54
2	K 766.490†	52357.2	43397.0	23.54 mg/L	23.54 mg/L	20:02:52
2	Li 670.784†	18585.3	15640.0	0.4837 mg/L	0.4837 mg/L	20:02:54
2	Na 589.592†	211338.7	175701.2	28.84 mg/L	28.84 mg/L	20:02:52
2	Sr 407.771†	55662.7	46185.2	0.0489 mg/L	0.0489 mg/L	20:02:52
2	Y 371.029	2976865.9	2976865.9	1.20 mg/L		20:03:13
2	Ag 328.068†	36158.3	28702.6	0.2430 mg/L	0.2430 mg/L	20:03:15
2	Al 237.313†	21853.5	18311.5	2.361 mg/L	2.361 mg/L	20:03:15
2	As 188.979†	469.6	387.7	0.4857 mg/L	0.4857 mg/L	20:03:26
2	B 182.528†	371.7	306.6	0.6037 mg/L	0.6037 mg/L	20:03:26
2	Ba 233.527†	43899.1	36582.2	0.5041 mg/L	0.5041 mg/L	20:03:15
2	Be 313.107†	97140.4	81345.0	0.0485 mg/L	0.0485 mg/L	20:03:15
2	Ca 315.887†	694882.8	578049.9	5.432 mg/L	5.432 mg/L	20:03:13
2	Cd 228.802†	8252.5	6804.0	0.2389 mg/L	0.2389 mg/L	20:03:26
2	Co 228.616†	23719.9	19801.9	0.4938 mg/L	0.4938 mg/L	20:03:15
2	Cr 267.716†	54046.3	44562.7	0.4881 mg/L	0.4881 mg/L	20:03:15
2	Cu 324.752†	107837.9	88497.1	0.4954 mg/L	0.4954 mg/L	20:03:15
2	Fe 238.204†	347083.0	288645.9	2.429 mg/L	2.429 mg/L	20:03:15
2	Mg 279.077†	68958.2	57244.2	5.013 mg/L	5.013 mg/L	20:03:15
2	Mn 257.610†	346898.1	287480.5	0.5055 mg/L	0.5055 mg/L	20:03:15
2	Mo 202.031†	10952.3	9086.1	0.4830 mg/L	0.4830 mg/L	20:03:26
2	Ni 231.604†	17384.4	14484.1	0.5103 mg/L	0.5103 mg/L	20:03:15
2	P 214.914†	10010.9	7987.2	4.773 mg/L	4.773 mg/L	20:03:26
2	Pb 220.353†	6767.4	5572.9	0.4754 mg/L	0.4754 mg/L	20:03:26
2	Sb 206.836†	737.4	576.8	0.4839 mg/L	0.4839 mg/L	20:03:26
2	Se 196.026†	1239.2	1031.0	0.9994 mg/L	0.9994 mg/L	20:03:26
2	Sn 189.927†	2750.9	2286.1	0.5219 mg/L	0.5219 mg/L	20:03:26
2	Ti 337.279†	405726.5	338058.1	0.4763 mg/L	0.4763 mg/L	20:03:13
2	Tl 190.801†	846.8	702.6	0.4812 mg/L	0.4812 mg/L	20:03:26
2	V 292.402†	93265.8	78288.2	0.4938 mg/L	0.4938 mg/L	20:03:15
2	Zn 213.857†	57887.5	47366.2	0.5045 mg/L	0.5045 mg/L	20:03:15

Mean Data: CJ20603-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2986765.4	1.21	mg/L	0.006				0.47%
Ag 328.068†	28835.0	0.2441	mg/L	0.00159	0.2441	mg/L	0.00159	0.65%
Al 237.313†	18404.5	2.373	mg/L	0.0170	2.373	mg/L	0.0170	0.72%
As 188.979†	390.1	0.4886	mg/L	0.00409	0.4886	mg/L	0.00409	0.84%
B 182.528†	304.4	0.5995	mg/L	0.00605	0.5995	mg/L	0.00605	1.01%
B 249.677†	1010.1	0.5897	mg/L	0.00940	0.5897	mg/L	0.00940	1.59%
Ba 233.527†	36717.1	0.5059	mg/L	0.00264	0.5059	mg/L	0.00264	0.52%
Be 313.107†	81763.5	0.0487	mg/L	0.00035	0.0487	mg/L	0.00035	0.73%
Ca 315.887†	579654.8	5.447	mg/L	0.0214	5.447	mg/L	0.0214	0.39%
Cd 228.802†	6788.2	0.2383	mg/L	0.00081	0.2383	mg/L	0.00081	0.34%
Co 228.616†	19922.4	0.4968	mg/L	0.00428	0.4968	mg/L	0.00428	0.86%
Cr 267.716†	44787.7	0.4906	mg/L	0.00350	0.4906	mg/L	0.00350	0.71%
Cu 324.752†	88768.0	0.4969	mg/L	0.00216	0.4969	mg/L	0.00216	0.43%
Fe 234.349†	3033.4	2.607	mg/L	0.0189	2.607	mg/L	0.0189	0.72%
Fe 238.204†	289723.7	2.438	mg/L	0.0129	2.438	mg/L	0.0129	0.53%
K 766.490†	43037.0	23.35	mg/L	0.274	23.35	mg/L	0.274	1.17%
Li 670.784†	15509.1	0.4796	mg/L	0.00572	0.4796	mg/L	0.00572	1.19%
Mg 279.077†	57476.8	5.033	mg/L	0.0290	5.033	mg/L	0.0290	0.58%
Mn 257.610†	288644.2	0.5076	mg/L	0.00291	0.5076	mg/L	0.00291	0.57%
Mo 202.031†	9063.4	0.4818	mg/L	0.00171	0.4818	mg/L	0.00171	0.36%
Na 589.592†	174313.4	28.61	mg/L	0.321	28.61	mg/L	0.321	1.12%
Ni 231.604†	14519.9	0.5115	mg/L	0.00179	0.5115	mg/L	0.00179	0.35%
P 214.914†	7952.4	4.753	mg/L	0.0293	4.753	mg/L	0.0293	0.62%
Pb 220.353†	5556.7	0.4740	mg/L	0.00199	0.4740	mg/L	0.00199	0.42%
Sb 206.836†	577.7	0.4847	mg/L	0.00115	0.4847	mg/L	0.00115	0.24%
Se 196.026†	1027.9	0.9964	mg/L	0.00427	0.9964	mg/L	0.00427	0.43%
Sn 189.927†	2278.3	0.5201	mg/L	0.00256	0.5201	mg/L	0.00256	0.49%
Sr 407.771†	45790.5	0.0485	mg/L	0.00059	0.0485	mg/L	0.00059	1.21%
Ti 337.279†	338402.6	0.4768	mg/L	0.00069	0.4768	mg/L	0.00069	0.14%
Tl 190.801†	698.9	0.4786	mg/L	0.00362	0.4786	mg/L	0.00362	0.76%

V 292.402†	78608.4	0.4959 mg/L	0.00285	0.4959 mg/L	0.00285	0.57%
Zn 213.857†	47577.2	0.5067 mg/L	0.00319	0.5067 mg/L	0.00319	0.63%

Sequence No.: 61
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/6/2012 8:05:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1068.1	870.3	0.5083	mg/L	0.5083	mg/L	20:06:48
1	Fe 234.349†	3685.5	3023.1	2.598	mg/L	2.598	mg/L	20:06:48
1	K 766.490†	53507.5	43637.5	23.67	mg/L	23.67	mg/L	20:06:46
1	Li 670.784†	18514.8	15333.4	0.4742	mg/L	0.4742	mg/L	20:06:48
1	Na 589.592†	180373.6	147520.0	24.23	mg/L	24.23	mg/L	20:06:46
1	Sr 407.771†	57455.7	46907.6	0.0497	mg/L	0.0497	mg/L	20:06:46
1	Y 371.029	3025562.9	3025562.9	1.22	mg/L			20:06:57
1	Ag 328.068†	37762.8	29531.9	0.2500	mg/L	0.2500	mg/L	20:06:59
1	Al 237.313†	23402.6	19287.0	2.487	mg/L	2.487	mg/L	20:06:59
1	As 188.979†	497.3	404.1	0.5061	mg/L	0.5061	mg/L	20:07:09
1	B 182.528†	324.5	263.0	0.5186	mg/L	0.5186	mg/L	20:07:09
1	Ba 233.527†	44776.6	36712.7	0.5059	mg/L	0.5059	mg/L	20:06:59
1	Be 313.107†	101132.3	83312.1	0.0496	mg/L	0.0496	mg/L	20:06:59
1	Ca 315.887†	634126.6	519003.0	4.876	mg/L	4.876	mg/L	20:06:57
1	Cd 228.802†	8505.9	6900.9	0.2422	mg/L	0.2422	mg/L	20:07:09
1	Co 228.616†	24461.2	20091.1	0.5010	mg/L	0.5010	mg/L	20:06:59
1	Cr 267.716†	56086.0	45508.9	0.4986	mg/L	0.4986	mg/L	20:06:59
1	Cu 324.752†	110214.7	88998.7	0.4982	mg/L	0.4982	mg/L	20:06:59
1	Fe 238.204†	355471.3	290865.1	2.447	mg/L	2.447	mg/L	20:06:59
1	Mg 279.077†	70889.9	57902.1	5.071	mg/L	5.071	mg/L	20:06:59
1	Mn 257.610†	355080.6	289533.7	0.5092	mg/L	0.5092	mg/L	20:06:59
1	Mo 202.031†	11255.8	9187.9	0.4885	mg/L	0.4885	mg/L	20:07:09
1	Ni 231.604†	18209.5	14926.8	0.5260	mg/L	0.5260	mg/L	20:06:59
1	P 214.914†	10325.5	8110.7	4.847	mg/L	4.847	mg/L	20:07:09
1	Pb 220.353†	6988.3	5663.2	0.4831	mg/L	0.4831	mg/L	20:07:09
1	Sb 206.836†	775.1	597.8	0.5016	mg/L	0.5016	mg/L	20:07:09
1	Se 196.026†	1297.8	1062.4	1.030	mg/L	1.030	mg/L	20:07:09
1	Sn 189.927†	2807.0	2295.2	0.5239	mg/L	0.5239	mg/L	20:07:09
1	Ti 337.279†	417884.8	342578.3	0.4827	mg/L	0.4827	mg/L	20:06:57
1	Tl 190.801†	867.0	707.8	0.4848	mg/L	0.4848	mg/L	20:07:09
1	V 292.402†	97364.0	80394.3	0.5071	mg/L	0.5071	mg/L	20:06:59
1	Zn 213.857†	59612.5	48003.1	0.5112	mg/L	0.5112	mg/L	20:06:59
2	B 249.677†	1077.8	867.6	0.5068	mg/L	0.5068	mg/L	20:06:53
2	Fe 234.349†	3814.9	3091.6	2.657	mg/L	2.657	mg/L	20:06:53
2	K 766.490†	53908.1	43437.4	23.56	mg/L	23.56	mg/L	20:06:51
2	Li 670.784†	18978.6	15527.2	0.4802	mg/L	0.4802	mg/L	20:06:53
2	Na 589.592†	182502.8	147475.4	24.22	mg/L	24.22	mg/L	20:06:51
2	Sr 407.771†	57997.6	46783.1	0.0495	mg/L	0.0495	mg/L	20:06:51
2	Y 371.029	3062202.8	3062202.8	1.24	mg/L			20:07:12
2	Ag 328.068†	37563.1	29000.5	0.2455	mg/L	0.2455	mg/L	20:07:14
2	Al 237.313†	23416.9	19069.3	2.459	mg/L	2.459	mg/L	20:07:14
2	As 188.979†	490.5	393.8	0.4932	mg/L	0.4932	mg/L	20:07:24
2	B 182.528†	320.0	256.2	0.5054	mg/L	0.5054	mg/L	20:07:24
2	Ba 233.527†	44668.8	36186.9	0.4986	mg/L	0.4986	mg/L	20:07:14
2	Be 313.107†	101367.2	82511.5	0.0492	mg/L	0.0492	mg/L	20:07:14
2	Ca 315.887†	638942.4	516686.7	4.854	mg/L	4.854	mg/L	20:07:12
2	Cd 228.802†	8493.3	6807.4	0.2390	mg/L	0.2390	mg/L	20:07:24
2	Co 228.616†	24402.1	19803.7	0.4938	mg/L	0.4938	mg/L	20:07:14
2	Cr 267.716†	55893.6	44803.8	0.4908	mg/L	0.4908	mg/L	20:07:14
2	Cu 324.752†	110201.6	87908.5	0.4921	mg/L	0.4921	mg/L	20:07:14
2	Fe 238.204†	356335.2	288081.7	2.424	mg/L	2.424	mg/L	20:07:14
2	Mg 279.077†	70841.4	57168.4	5.006	mg/L	5.006	mg/L	20:07:14
2	Mn 257.610†	355563.6	286446.1	0.5037	mg/L	0.5037	mg/L	20:07:14
2	Mo 202.031†	11228.9	9055.9	0.4814	mg/L	0.4814	mg/L	20:07:24
2	Ni 231.604†	18144.1	14695.5	0.5178	mg/L	0.5178	mg/L	20:07:14
2	P 214.914†	10308.2	7995.6	4.779	mg/L	4.779	mg/L	20:07:24
2	Pb 220.353†	6963.6	5574.7	0.4755	mg/L	0.4755	mg/L	20:07:24
2	Sb 206.836†	777.3	592.0	0.4967	mg/L	0.4967	mg/L	20:07:24
2	Se 196.026†	1305.9	1056.3	1.024	mg/L	1.024	mg/L	20:07:24

2	Sn 189.927†	2806.7	2267.5	0.5178 mg/L	0.5178 mg/L	20:07:24
2	Ti 337.279†	421575.0	341469.8	0.4811 mg/L	0.4811 mg/L	20:07:12
2	Tl 190.801†	864.1	697.0	0.4772 mg/L	0.4772 mg/L	20:07:24
2	V 292.402†	97465.7	79522.7	0.5016 mg/L	0.5016 mg/L	20:07:14
2	Zn 213.857†	59774.6	47550.4	0.5064 mg/L	0.5064 mg/L	20:07:14

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	3043882.9	1.23	mg/L	0.010				0.85%
Ag 328.068†	29266.2	0.2478	mg/L	0.00319	0.2478	mg/L	0.00319	1.29%
	QC value within limits for Ag 328.068	Recovery = 99.10%						
Al 237.313†	19178.2	2.473	mg/L	0.0199	2.473	mg/L	0.0199	0.81%
	QC value within limits for Al 237.313	Recovery = 98.93%						
As 188.979†	399.0	0.4997	mg/L	0.00913	0.4997	mg/L	0.00913	1.83%
	QC value within limits for As 188.979	Recovery = 99.93%						
B 182.528†	259.6	0.5120	mg/L	0.00938	0.5120	mg/L	0.00938	1.83%
	QC value within limits for B 182.528	Recovery = 102.40%						
B 249.677†	869.0	0.5075	mg/L	0.00109	0.5075	mg/L	0.00109	0.22%
	QC value within limits for B 249.677	Recovery = 101.51%						
Ba 233.527†	36449.8	0.5022	mg/L	0.00514	0.5022	mg/L	0.00514	1.02%
	QC value within limits for Ba 233.527	Recovery = 100.45%						
Be 313.107†	82911.8	0.0494	mg/L	0.00034	0.0494	mg/L	0.00034	0.69%
	QC value within limits for Be 313.107	Recovery = 98.82%						
Ca 315.887†	517844.8	4.865	mg/L	0.0154	4.865	mg/L	0.0154	0.32%
	QC value within limits for Ca 315.887	Recovery = 97.29%						
Cd 228.802†	6854.1	0.2406	mg/L	0.00230	0.2406	mg/L	0.00230	0.96%
	QC value within limits for Cd 228.802	Recovery = 96.23%						
Co 228.616†	19947.4	0.4974	mg/L	0.00510	0.4974	mg/L	0.00510	1.03%
	QC value within limits for Co 228.616	Recovery = 99.49%						
Cr 267.716†	45156.3	0.4947	mg/L	0.00550	0.4947	mg/L	0.00550	1.11%
	QC value within limits for Cr 267.716	Recovery = 98.94%						
Cu 324.752†	88453.6	0.4951	mg/L	0.00434	0.4951	mg/L	0.00434	0.88%
	QC value within limits for Cu 324.752	Recovery = 99.03%						
Fe 234.349†	3057.3	2.627	mg/L	0.0416	2.627	mg/L	0.0416	1.58%
	QC value within limits for Fe 234.349	Recovery = 105.10%						
Fe 238.204†	289473.4	2.436	mg/L	0.0166	2.436	mg/L	0.0166	0.68%
	QC value within limits for Fe 238.204	Recovery = 97.42%						
K 766.490†	43537.4	23.61	mg/L	0.076	23.61	mg/L	0.076	0.32%
	QC value within limits for K 766.490	Recovery = 94.46%						
Li 670.784†	15430.3	0.4772	mg/L	0.00423	0.4772	mg/L	0.00423	0.89%
	QC value within limits for Li 670.784	Recovery = 95.44%						
Mg 279.077†	57535.3	5.038	mg/L	0.0458	5.038	mg/L	0.0458	0.91%
	QC value within limits for Mg 279.077	Recovery = 100.76%						
Mn 257.610†	287989.9	0.5064	mg/L	0.00386	0.5064	mg/L	0.00386	0.76%
	QC value within limits for Mn 257.610	Recovery = 101.29%						
Mo 202.031†	9121.9	0.4849	mg/L	0.00499	0.4849	mg/L	0.00499	1.03%
	QC value within limits for Mo 202.031	Recovery = 96.99%						
Na 589.592†	147497.7	24.23	mg/L	0.005	24.23	mg/L	0.005	0.02%
	QC value within limits for Na 589.592	Recovery = 96.91%						
Ni 231.604†	14811.1	0.5219	mg/L	0.00580	0.5219	mg/L	0.00580	1.11%
	QC value within limits for Ni 231.604	Recovery = 104.37%						
P 214.914†	8053.1	4.813	mg/L	0.0482	4.813	mg/L	0.0482	1.00%
	QC value within limits for P 214.914	Recovery = 96.25%						
Pb 220.353†	5619.0	0.4793	mg/L	0.00538	0.4793	mg/L	0.00538	1.12%
	QC value within limits for Pb 220.353	Recovery = 95.87%						
Sb 206.836†	594.9	0.4991	mg/L	0.00347	0.4991	mg/L	0.00347	0.70%
	QC value within limits for Sb 206.836	Recovery = 99.83%						
Se 196.026†	1059.3	1.027	mg/L	0.0042	1.027	mg/L	0.0042	0.41%
	QC value within limits for Se 196.026	Recovery = 102.69%						
Sn 189.927†	2281.4	0.5208	mg/L	0.00431	0.5208	mg/L	0.00431	0.83%
	QC value within limits for Sn 189.927	Recovery = 104.16%						
Sr 407.771†	46845.4	0.0496	mg/L	0.00009	0.0496	mg/L	0.00009	0.19%
	QC value within limits for Sr 407.771	Recovery = 99.20%						
Ti 337.279†	342024.1	0.4819	mg/L	0.00111	0.4819	mg/L	0.00111	0.23%
	QC value within limits for Ti 337.279	Recovery = 96.38%						
Tl 190.801†	702.4	0.4810	mg/L	0.00536	0.4810	mg/L	0.00536	1.11%
	QC value within limits for Tl 190.801	Recovery = 96.21%						
V 292.402†	79958.5	0.5044	mg/L	0.00394	0.5044	mg/L	0.00394	0.78%
	QC value within limits for V 292.402	Recovery = 100.87%						
Zn 213.857†	47776.7	0.5088	mg/L	0.00340	0.5088	mg/L	0.00340	0.67%
	QC value within limits for Zn 213.857	Recovery = 101.76%						

Sequence No.: 62
 Sample ID: CCB1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 10/6/2012 8:09:03 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	11.8	5.8	0.0060 mg/L	0.0060 mg/L	20:11:02
1	Fe 234.349†	-15.9	-7.7	0.0119 mg/L	0.0119 mg/L	20:11:02
1	K 766.490†	373.5	146.5	0.2760 mg/L	0.2760 mg/L	20:10:52
1	Li 670.784†	-172.1	30.2	0.0015 mg/L	0.0015 mg/L	20:10:52
1	Na 589.592†	5307.6	4328.1	0.8092 mg/L	0.8092 mg/L	20:10:52
1	Sr 407.771†	176.3	17.8	0.0005 mg/L	0.0005 mg/L	20:10:52
1	Y 371.029	2935487.7	2935487.7	1.19 mg/L		20:11:26
1	Ag 328.068†	1438.0	-170.8	-0.0030 mg/L	-0.0030 mg/L	20:11:29
1	Al 237.313†	-129.3	18.4	-0.0054 mg/L	-0.0054 mg/L	20:11:39
1	As 188.979†	3.7	0.1	0.0018 mg/L	0.0018 mg/L	20:11:39
1	B 182.528†	4.1	0.9	0.0070 mg/L	0.0070 mg/L	20:11:39
1	Ba 233.527†	-50.3	12.0	-0.0017 mg/L	-0.0017 mg/L	20:11:39
1	Be 313.107†	-493.5	99.4	-0.0001 mg/L	-0.0001 mg/L	20:11:29
1	Ca 315.887†	633.5	382.8	-0.0126 mg/L	-0.0126 mg/L	20:11:29
1	Cd 228.802†	71.2	-2.7	-0.0001 mg/L	-0.0001 mg/L	20:11:39
1	Co 228.616†	-51.7	21.3	-0.0022 mg/L	-0.0022 mg/L	20:11:39
1	Cr 267.716†	412.3	-60.4	-0.0039 mg/L	-0.0039 mg/L	20:11:29
1	Cu 324.752†	1611.7	126.8	-0.0026 mg/L	-0.0026 mg/L	20:11:29
1	Fe 238.204†	315.3	109.3	-0.0108 mg/L	-0.0108 mg/L	20:11:39
1	Mg 279.077†	144.9	-12.7	-0.0389 mg/L	-0.0389 mg/L	20:11:29
1	Mn 257.610†	609.3	-654.1	-0.0040 mg/L	-0.0040 mg/L	20:11:39
1	Mo 202.031†	37.3	4.3	0.0000 mg/L	0.0000 mg/L	20:11:39
1	Ni 231.604†	-12.0	8.7	-0.0035 mg/L	-0.0035 mg/L	20:11:39
1	P 214.914†	364.1	-35.5	0.0067 mg/L	0.0067 mg/L	20:11:39
1	Pb 220.353†	71.2	1.9	-0.0037 mg/L	-0.0037 mg/L	20:11:39
1	Sb 206.836†	37.6	-5.1	-0.0055 mg/L	-0.0055 mg/L	20:11:39
1	Se 196.026†	3.4	2.8	0.0013 mg/L	0.0013 mg/L	20:11:39
1	Sn 189.927†	5.2	1.5	-0.0023 mg/L	-0.0023 mg/L	20:11:39
1	Ti 337.279†	-39.0	426.2	-0.0015 mg/L	-0.0015 mg/L	20:11:29
1	Tl 190.801†	3.4	0.9	-0.0038 mg/L	-0.0038 mg/L	20:11:39
1	V 292.402†	-736.7	61.4	-0.0018 mg/L	-0.0018 mg/L	20:11:29
1	Zn 213.857†	1032.3	69.9	-0.0003 mg/L	-0.0003 mg/L	20:11:39
2	B 249.677†	8.8	3.3	0.0046 mg/L	0.0046 mg/L	20:11:23
2	Fe 234.349†	-12.8	-5.1	0.0141 mg/L	0.0141 mg/L	20:11:23
2	K 766.490†	362.9	139.3	0.2721 mg/L	0.2721 mg/L	20:11:13
2	Li 670.784†	-167.9	32.9	0.0016 mg/L	0.0016 mg/L	20:11:13
2	Na 589.592†	5255.1	4309.7	0.8062 mg/L	0.8062 mg/L	20:11:13
2	Sr 407.771†	163.6	7.9	0.0005 mg/L	0.0005 mg/L	20:11:13
2	Y 371.029	2918406.1	2918406.1	1.18 mg/L		20:11:41
2	Ag 328.068†	1371.8	-219.9	-0.0034 mg/L	-0.0034 mg/L	20:11:43
2	Al 237.313†	-141.1	7.8	-0.0068 mg/L	-0.0068 mg/L	20:11:54
2	As 188.979†	2.6	-0.8	0.0007 mg/L	0.0007 mg/L	20:11:54
2	B 182.528†	2.0	-1.0	0.0035 mg/L	0.0035 mg/L	20:11:54
2	Ba 233.527†	-40.7	19.9	-0.0016 mg/L	-0.0016 mg/L	20:11:54
2	Be 313.107†	-482.1	106.7	-0.0001 mg/L	-0.0001 mg/L	20:11:43
2	Ca 315.887†	414.1	199.7	-0.0144 mg/L	-0.0144 mg/L	20:11:43
2	Cd 228.802†	76.5	2.1	0.0000 mg/L	0.0000 mg/L	20:11:54
2	Co 228.616†	-62.0	12.3	-0.0024 mg/L	-0.0024 mg/L	20:11:54
2	Cr 267.716†	446.8	-29.2	-0.0035 mg/L	-0.0035 mg/L	20:11:43
2	Cu 324.752†	1666.5	181.2	-0.0023 mg/L	-0.0023 mg/L	20:11:43
2	Fe 238.204†	356.5	145.9	-0.0105 mg/L	-0.0105 mg/L	20:11:54
2	Mg 279.077†	142.0	-14.4	-0.0391 mg/L	-0.0391 mg/L	20:11:43
2	Mn 257.610†	673.9	-596.3	-0.0039 mg/L	-0.0039 mg/L	20:11:54
2	Mo 202.031†	40.2	7.0	0.0001 mg/L	0.0001 mg/L	20:11:54
2	Ni 231.604†	-13.7	7.1	-0.0035 mg/L	-0.0035 mg/L	20:11:54
2	P 214.914†	332.7	-60.3	-0.0080 mg/L	-0.0080 mg/L	20:11:54
2	Pb 220.353†	68.4	-0.1	-0.0039 mg/L	-0.0039 mg/L	20:11:54
2	Sb 206.836†	35.6	-6.6	-0.0067 mg/L	-0.0067 mg/L	20:11:54
2	Se 196.026†	6.0	5.0	0.0033 mg/L	0.0033 mg/L	20:11:54
2	Sn 189.927†	11.2	6.6	-0.0012 mg/L	-0.0012 mg/L	20:11:54

2	Ti 337.279†	-128.9	349.8	-0.0016 mg/L	-0.0016 mg/L	20:11:43
2	Tl 190.801†	4.2	1.6	-0.0034 mg/L	-0.0034 mg/L	20:11:54
2	V 292.402†	-704.1	85.4	-0.0016 mg/L	-0.0016 mg/L	20:11:43
2	Zn 213.857†	1024.9	68.7	-0.0003 mg/L	-0.0003 mg/L	20:11:54

Mean Data: CCBl

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2926946.9	1.18 mg/L	0.005			0.41%
Ag 328.068†	-195.3	-0.0032 mg/L	0.00029	-0.0032 mg/L	0.00029	9.26%
	QC value less than the lower limit for Ag 328.068 Recovery = Not calculated					
Al 237.313†	13.1	-0.0061 mg/L	0.00097	-0.0061 mg/L	0.00097	15.82%
	QC value within limits for Al 237.313 Recovery = Not calculated					
As 188.979†	-0.3	0.0012 mg/L	0.00077	0.0012 mg/L	0.00077	63.97%
	QC value within limits for As 188.979 Recovery = Not calculated					
B 182.528†	-0.1	0.0052 mg/L	0.00249	0.0052 mg/L	0.00249	47.55%
	QC value within limits for B 182.528 Recovery = Not calculated					
B 249.677†	4.6	0.0053 mg/L	0.00104	0.0053 mg/L	0.00104	19.70%
	QC value within limits for B 249.677 Recovery = Not calculated					
Ba 233.527†	15.9	-0.0017 mg/L	0.00008	-0.0017 mg/L	0.00008	4.56%
	QC value within limits for Ba 233.527 Recovery = Not calculated					
Be 313.107†	103.0	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	3.06%
	QC value within limits for Be 313.107 Recovery = Not calculated					
Ca 315.887†	291.3	-0.0135 mg/L	0.00122	-0.0135 mg/L	0.00122	9.04%
	QC value within limits for Ca 315.887 Recovery = Not calculated					
Cd 228.802†	-0.3	0.0000 mg/L	0.00012	0.0000 mg/L	0.00012	262.34%
	QC value within limits for Cd 228.802 Recovery = Not calculated					
Co 228.616†	16.8	-0.0023 mg/L	0.00016	-0.0023 mg/L	0.00016	6.90%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated					
Cr 267.716†	-44.8	-0.0037 mg/L	0.00024	-0.0037 mg/L	0.00024	6.59%
	QC value within limits for Cr 267.716 Recovery = Not calculated					
Cu 324.752†	154.0	-0.0025 mg/L	0.00022	-0.0025 mg/L	0.00022	8.81%
	QC value within limits for Cu 324.752 Recovery = Not calculated					
Fe 234.349†	-6.4	0.0130 mg/L	0.00155	0.0130 mg/L	0.00155	11.90%
	QC value within limits for Fe 234.349 Recovery = Not calculated					
Fe 238.204†	127.6	-0.0106 mg/L	0.00022	-0.0106 mg/L	0.00022	2.05%
	QC value within limits for Fe 238.204 Recovery = Not calculated					
K 766.490†	142.9	0.2741 mg/L	0.00272	0.2741 mg/L	0.00272	0.99%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated					
Li 670.784†	31.6	0.0016 mg/L	0.00006	0.0016 mg/L	0.00006	3.81%
	QC value within limits for Li 670.784 Recovery = Not calculated					
Mg 279.077†	-13.5	-0.0390 mg/L	0.00011	-0.0390 mg/L	0.00011	0.27%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated					
Mn 257.610†	-625.2	-0.0040 mg/L	0.00007	-0.0040 mg/L	0.00007	1.82%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated					
Mo 202.031†	5.7	0.0001 mg/L	0.00010	0.0001 mg/L	0.00010	155.54%
	QC value within limits for Mo 202.031 Recovery = Not calculated					
Na 589.592†	4318.9	0.8077 mg/L	0.00212	0.8077 mg/L	0.00212	0.26%
	QC value greater than the upper limit for Na 589.592 Recovery = Not calculated					
Ni 231.604†	7.9	-0.0035 mg/L	0.00004	-0.0035 mg/L	0.00004	1.09%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated					
P 214.914†	-47.9	-0.0007 mg/L	0.01043	-0.0007 mg/L	0.01043	>999.9%
	QC value within limits for P 214.914 Recovery = Not calculated					
Pb 220.353†	0.9	-0.0038 mg/L	0.00012	-0.0038 mg/L	0.00012	3.22%
	QC value within limits for Pb 220.353 Recovery = Not calculated					
Sb 206.836†	-5.9	-0.0061 mg/L	0.00090	-0.0061 mg/L	0.00090	14.68%
	QC value within limits for Sb 206.836 Recovery = Not calculated					
Se 196.026†	3.9	0.0023 mg/L	0.00147	0.0023 mg/L	0.00147	64.25%
	QC value within limits for Se 196.026 Recovery = Not calculated					
Sn 189.927†	4.1	-0.0017 mg/L	0.00082	-0.0017 mg/L	0.00082	47.37%
	QC value within limits for Sn 189.927 Recovery = Not calculated					
Sr 407.771†	12.8	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	1.56%
	QC value within limits for Sr 407.771 Recovery = Not calculated					
Ti 337.279†	388.0	-0.0015 mg/L	0.00008	-0.0015 mg/L	0.00008	5.08%
	QC value less than the lower limit for Ti 337.279 Recovery = Not calculated					
Tl 190.801†	1.2	-0.0036 mg/L	0.00034	-0.0036 mg/L	0.00034	9.36%
	QC value within limits for Tl 190.801 Recovery = Not calculated					
V 292.402†	73.4	-0.0017 mg/L	0.00011	-0.0017 mg/L	0.00011	6.35%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated					
Zn 213.857†	69.3	-0.0003 mg/L	0.00001	-0.0003 mg/L	0.00001	2.90%
	QC value within limits for Zn 213.857 Recovery = Not calculated					
QC Failed. Continue with analysis.						

Sequence No.: 63
Sample ID: 1210155-01SPLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 10/6/2012 8:13:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210155-01SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	971.9	804.9	0.4711 mg/L	0.4711 mg/L	20:15:15
1	Fe 234.349†	4786.8	3990.5	3.436 mg/L	3.436 mg/L	20:15:15
1	K 766.490†	21500.4	17729.3	9.733 mg/L	9.733 mg/L	20:15:15
1	Li 670.784†	5.6	180.1	0.0061 mg/L	0.0061 mg/L	20:15:15
1	Na 589.592†	263179.3	218933.3	35.91 mg/L	35.91 mg/L	20:15:12
1	Sr 407.771†	7391.1	6021.8	0.0068 mg/L	0.0068 mg/L	20:15:15
1	Y 371.029	2975557.6	2975557.6	1.20 mg/L		20:15:23
1	Ag 328.068†	1398.8	-219.8	-0.0031 mg/L	-0.0031 mg/L	20:15:25
1	Al 237.313†	43265.6	36144.0	4.658 mg/L	4.658 mg/L	20:15:25
1	As 188.979†	11.1	6.2	0.0108 mg/L	0.0108 mg/L	20:15:36
1	B 182.528†	314.4	259.0	0.5109 mg/L	0.5109 mg/L	20:15:36
1	Ba 233.527†	3589.2	3042.3	0.0402 mg/L	0.0402 mg/L	20:15:36
1	Be 313.107†	-24.7	495.3	0.0001 mg/L	0.0001 mg/L	20:15:25
1	Ca 315.887†	485636.8	404117.1	3.791 mg/L	3.791 mg/L	20:15:23
1	Cd 228.802†	76.6	0.9	0.0000 mg/L	0.0000 mg/L	20:15:36
1	Co 228.616†	22.3	83.4	-0.0012 mg/L	-0.0012 mg/L	20:15:36
1	Cr 267.716†	1053.4	468.5	0.0020 mg/L	0.0020 mg/L	20:15:25
1	Cu 324.752†	4275.1	2325.6	0.0100 mg/L	0.0100 mg/L	20:15:25
1	Fe 238.204†	460359.8	383070.2	3.226 mg/L	3.226 mg/L	20:15:23
1	Mg 279.077†	13198.5	10852.2	0.9195 mg/L	0.9195 mg/L	20:15:25
1	Mn 257.610†	38948.1	31254.1	0.0524 mg/L	0.0524 mg/L	20:15:25
1	Mo 202.031†	140.0	89.5	0.0035 mg/L	0.0035 mg/L	20:15:36
1	Ni 231.604†	111.2	111.4	0.0002 mg/L	0.0002 mg/L	20:15:36
1	P 214.914†	1740.7	1106.3	0.6938 mg/L	0.6938 mg/L	20:15:36
1	Pb 220.353†	308.2	198.4	0.0119 mg/L	0.0119 mg/L	20:15:36
1	Sb 206.836†	40.3	-3.2	-0.0054 mg/L	-0.0054 mg/L	20:15:36
1	Se 196.026†	4.6	3.8	0.0036 mg/L	0.0036 mg/L	20:15:36
1	Sn 189.927†	-11.6	-12.5	0.0045 mg/L	0.0045 mg/L	20:15:36
1	Ti 337.279†	263872.5	220120.1	0.3094 mg/L	0.3094 mg/L	20:15:23
1	Tl 190.801†	8.2	4.8	-0.0035 mg/L	-0.0035 mg/L	20:15:36
1	V 292.402†	3065.5	3235.0	0.0173 mg/L	0.0173 mg/L	20:15:25
1	Zn 213.857†	4943.8	3314.3	0.0345 mg/L	0.0345 mg/L	20:15:36
2	B 249.677†	975.1	800.9	0.4688 mg/L	0.4688 mg/L	20:15:19
2	Fe 234.349†	4715.6	3898.8	3.357 mg/L	3.357 mg/L	20:15:19
2	K 766.490†	21223.7	17353.1	9.531 mg/L	9.531 mg/L	20:15:19
2	Li 670.784†	67.7	231.4	0.0077 mg/L	0.0077 mg/L	20:15:19
2	Na 589.592†	262987.8	216966.7	35.59 mg/L	35.59 mg/L	20:15:17
2	Sr 407.771†	7198.4	5811.9	0.0066 mg/L	0.0066 mg/L	20:15:19
2	Y 371.029	3000324.7	3000324.7	1.21 mg/L		20:15:38
2	Ag 328.068†	1368.5	-254.4	-0.0034 mg/L	-0.0034 mg/L	20:15:40
2	Al 237.313†	44134.5	36564.0	4.713 mg/L	4.713 mg/L	20:15:40
2	As 188.979†	7.1	2.9	0.0066 mg/L	0.0066 mg/L	20:15:51
2	B 182.528†	315.0	257.4	0.5076 mg/L	0.5076 mg/L	20:15:51
2	Ba 233.527†	3615.4	3039.3	0.0401 mg/L	0.0401 mg/L	20:15:51
2	Be 313.107†	-18.2	500.9	0.0001 mg/L	0.0001 mg/L	20:15:40
2	Ca 315.887†	488384.3	403048.2	3.781 mg/L	3.781 mg/L	20:15:38
2	Cd 228.802†	78.0	1.6	0.0000 mg/L	0.0000 mg/L	20:15:51
2	Co 228.616†	17.5	79.3	-0.0013 mg/L	-0.0013 mg/L	20:15:51
2	Cr 267.716†	1056.1	463.6	0.0019 mg/L	0.0019 mg/L	20:15:40
2	Cu 324.752†	4349.3	2357.5	0.0102 mg/L	0.0102 mg/L	20:15:40
2	Fe 238.204†	463314.3	382346.0	3.220 mg/L	3.220 mg/L	20:15:38
2	Mg 279.077†	13503.6	11013.4	0.9337 mg/L	0.9337 mg/L	20:15:40
2	Mn 257.610†	39543.7	31478.2	0.0528 mg/L	0.0528 mg/L	20:15:40
2	Mo 202.031†	145.2	92.7	0.0037 mg/L	0.0037 mg/L	20:15:51
2	Ni 231.604†	99.1	100.6	-0.0002 mg/L	-0.0002 mg/L	20:15:51
2	P 214.914†	1724.4	1080.9	0.6785 mg/L	0.6785 mg/L	20:15:51
2	Pb 220.353†	308.7	196.7	0.0117 mg/L	0.0117 mg/L	20:15:51
2	Sb 206.836†	30.0	-12.0	-0.0128 mg/L	-0.0128 mg/L	20:15:51
2	Se 196.026†	3.1	2.5	0.0024 mg/L	0.0024 mg/L	20:15:51
2	Sn 189.927†	-39.4	-35.4	-0.0009 mg/L	-0.0009 mg/L	20:15:51
2	Ti 337.279†	261750.4	216554.9	0.3044 mg/L	0.3044 mg/L	20:15:38

2	Tl 190.801†	4.5	1.7	-0.0057 mg/L	-0.0057 mg/L	20:15:51
2	V 292.402†	3150.8	3284.3	0.0176 mg/L	0.0176 mg/L	20:15:40
2	Zn 213.857†	4925.6	3265.3	0.0340 mg/L	0.0340 mg/L	20:15:51

Mean Data: 1210155-01SPLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2987941.2	1.21	mg/L	0.007			0.59%
Ag 328.068†	-237.1	-0.0033	mg/L	0.00021	-0.0033 mg/L	0.00021	6.49%
Al 237.313†	36354.0	4.686	mg/L	0.0383	4.686 mg/L	0.0383	0.82%
As 188.979†	4.5	0.0087	mg/L	0.00298	0.0087 mg/L	0.00298	34.38%
B 182.528†	258.2	0.5093	mg/L	0.00230	0.5093 mg/L	0.00230	0.45%
B 249.677†	802.9	0.4700	mg/L	0.00166	0.4700 mg/L	0.00166	0.35%
Ba 233.527†	3040.8	0.0402	mg/L	0.00003	0.0402 mg/L	0.00003	0.07%
Be 313.107†	498.1	0.0001	mg/L	0.00000	0.0001 mg/L	0.00000	1.74%
Ca 315.887†	403582.7	3.786	mg/L	0.0071	3.786 mg/L	0.0071	0.19%
Cd 228.802†	1.2	0.0000	mg/L	0.00003	0.0000 mg/L	0.00003	146.93%
Co 228.616†	81.4	-0.0013	mg/L	0.00007	-0.0013 mg/L	0.00007	5.08%
Cr 267.716†	466.0	0.0019	mg/L	0.00004	0.0019 mg/L	0.00004	1.99%
Cu 324.752†	2341.5	0.0101	mg/L	0.00012	0.0101 mg/L	0.00012	1.23%
Fe 234.349†	3944.7	3.396	mg/L	0.0556	3.396 mg/L	0.0556	1.64%
Fe 238.204†	382708.1	3.223	mg/L	0.0043	3.223 mg/L	0.0043	0.13%
K 766.490†	17541.2	9.632	mg/L	0.1431	9.632 mg/L	0.1431	1.49%
Li 670.784†	205.7	0.0069	mg/L	0.00112	0.0069 mg/L	0.00112	16.15%
Mg 279.077†	10932.8	0.9266	mg/L	0.01005	0.9266 mg/L	0.01005	1.08%
Mn 257.610†	31366.2	0.0526	mg/L	0.00028	0.0526 mg/L	0.00028	0.53%
Mo 202.031†	91.1	0.0036	mg/L	0.00014	0.0036 mg/L	0.00014	3.94%
Na 589.592†	217950.0	35.75	mg/L	0.227	35.75 mg/L	0.227	0.64%
Ni 231.604†	106.0	0.0000	mg/L	0.00027	0.0000 mg/L	0.00027	>999.9%
P 214.914†	1093.6	0.6862	mg/L	0.01083	0.6862 mg/L	0.01083	1.58%
Pb 220.353†	197.6	0.0118	mg/L	0.00012	0.0118 mg/L	0.00012	0.98%
Sb 206.836†	-7.6	-0.0091	mg/L	0.00522	-0.0091 mg/L	0.00522	57.46%
Se 196.026†	3.1	0.0030	mg/L	0.00089	0.0030 mg/L	0.00089	29.71%
Sn 189.927†	-24.0	0.0018	mg/L	0.00382	0.0018 mg/L	0.00382	209.85%
Sr 407.771†	5916.8	0.0067	mg/L	0.00016	0.0067 mg/L	0.00016	2.34%
Ti 337.279†	218337.5	0.3069	mg/L	0.00357	0.3069 mg/L	0.00357	1.16%
Tl 190.801†	3.2	-0.0046	mg/L	0.00151	-0.0046 mg/L	0.00151	33.05%
V 292.402†	3259.6	0.0174	mg/L	0.00023	0.0174 mg/L	0.00023	1.34%
Zn 213.857†	3289.8	0.0343	mg/L	0.00037	0.0343 mg/L	0.00037	1.08%

Sequence No.: 64

Sample ID: ~~CJ20603-DUP1~~ 1012170-01SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 60

Date Collected: 10/6/2012 8:17:28 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ~~CJ20603-DUP1~~ 1012170-01SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	509.3	414.2	0.2437 mg/L	0.2437 mg/L	20:19:19
1	Fe 234.349†	233.9	197.9	0.1862 mg/L	0.1862 mg/L	20:19:19
1	K 766.490†	40648.1	33222.3	18.07 mg/L	18.07 mg/L	20:19:09
1	Li 670.784†	-136.3	63.5	0.0025 mg/L	0.0025 mg/L	20:19:09
1	Na 589.592†	30857.8	25198.0	4.223 mg/L	4.223 mg/L	20:19:09
1	Sr 407.771†	8432.9	6796.4	0.0076 mg/L	0.0076 mg/L	20:19:09
1	Y 371.029	3015347.1	3015347.1	1.22 mg/L		20:19:35
1	Ag 328.068†	1385.9	-245.7	-0.0036 mg/L	-0.0036 mg/L	20:19:38
1	Al 237.313†	1016.8	962.7	0.1165 mg/L	0.1165 mg/L	20:19:48
1	As 188.979†	2.7	-0.8	0.0008 mg/L	0.0008 mg/L	20:19:48
1	B 182.528†	151.8	122.0	0.2435 mg/L	0.2435 mg/L	20:19:48
1	Ba 233.527†	3103.2	2603.6	0.0341 mg/L	0.0341 mg/L	20:19:48
1	Be 313.107†	-531.4	79.3	-0.0001 mg/L	-0.0001 mg/L	20:19:38
1	Ca 315.887†	284208.2	233315.7	2.182 mg/L	2.182 mg/L	20:19:35
1	Cd 228.802†	76.7	0.2	0.0000 mg/L	0.0000 mg/L	20:19:48
1	Co 228.616†	-54.7	20.0	-0.0022 mg/L	-0.0022 mg/L	20:19:48
1	Cr 267.716†	530.4	27.3	-0.0029 mg/L	-0.0029 mg/L	20:19:38
1	Cu 324.752†	2635.3	931.6	0.0019 mg/L	0.0019 mg/L	20:19:38
1	Fe 238.204†	22770.5	18548.5	0.1451 mg/L	0.1451 mg/L	20:19:38
1	Mg 279.077†	10789.4	8728.2	0.7322 mg/L	0.7322 mg/L	20:19:38
1	Mn 257.610†	52111.6	41639.7	0.0707 mg/L	0.0707 mg/L	20:19:38

1	Mo 202.031†	40.5	6.1	0.0000 mg/L	0.0000 mg/L	20:19:48
1	Ni 231.604†	56.0	64.8	-0.0015 mg/L	-0.0015 mg/L	20:19:48
1	P 214.914†	957.6	443.9	0.2923 mg/L	0.2923 mg/L	20:19:48
1	Pb 220.353†	64.4	-5.2	-0.0044 mg/L	-0.0044 mg/L	20:19:48
1	Sb 206.836†	35.0	-8.1	-0.0080 mg/L	-0.0080 mg/L	20:19:48
1	Se 196.026†	5.0	4.1	0.0025 mg/L	0.0025 mg/L	20:19:48
1	Sn 189.927†	-21.7	-20.7	-0.0068 mg/L	-0.0068 mg/L	20:19:48
1	Ti 337.279†	1641.3	1807.4	0.0005 mg/L	0.0005 mg/L	20:19:38
1	Tl 190.801†	3.0	0.5	-0.0042 mg/L	-0.0042 mg/L	20:19:48
1	V 292.402†	-641.1	156.4	-0.0012 mg/L	-0.0012 mg/L	20:19:38
1	Zn 213.857†	4356.3	2777.4	0.0288 mg/L	0.0288 mg/L	20:19:48
2	B 249.677†	509.2	412.9	0.2430 mg/L	0.2430 mg/L	20:19:32
2	Fe 234.349†	229.5	193.7	0.1825 mg/L	0.1825 mg/L	20:19:32
2	K 766.490†	41124.2	33511.0	18.22 mg/L	18.22 mg/L	20:19:22
2	Li 670.784†	-33.8	147.8	0.0051 mg/L	0.0051 mg/L	20:19:22
2	Na 589.592†	31215.7	25414.3	4.258 mg/L	4.258 mg/L	20:19:22
2	Sr 407.771†	8502.7	6832.5	0.0076 mg/L	0.0076 mg/L	20:19:22
2	Y 371.029	3024515.3	3024515.3	1.22 mg/L	1.22 mg/L	20:19:50
2	Ag 328.068†	1407.7	-231.3	-0.0035 mg/L	-0.0035 mg/L	20:19:52
2	Al 237.313†	992.9	940.7	0.1136 mg/L	0.1136 mg/L	20:20:03
2	As 188.979†	-1.4	-4.1	-0.0035 mg/L	-0.0035 mg/L	20:20:03
2	B 182.528†	156.1	125.2	0.2496 mg/L	0.2496 mg/L	20:20:03
2	Ba 233.527†	3124.1	2613.0	0.0343 mg/L	0.0343 mg/L	20:20:03
2	Be 313.107†	-517.4	92.1	-0.0001 mg/L	-0.0001 mg/L	20:19:52
2	Ca 315.887†	287124.3	234996.2	2.197 mg/L	2.197 mg/L	20:19:50
2	Cd 228.802†	83.5	5.5	0.0002 mg/L	0.0002 mg/L	20:20:03
2	Co 228.616†	-79.3	-0.1	-0.0027 mg/L	-0.0027 mg/L	20:20:03
2	Cr 267.716†	493.8	-3.9	-0.0032 mg/L	-0.0032 mg/L	20:19:52
2	Cu 324.752†	2621.4	913.7	0.0018 mg/L	0.0018 mg/L	20:19:52
2	Fe 238.204†	22517.3	18284.4	0.1428 mg/L	0.1428 mg/L	20:19:52
2	Mg 279.077†	10627.5	8568.8	0.7182 mg/L	0.7182 mg/L	20:19:52
2	Mn 257.610†	51750.3	41214.1	0.0700 mg/L	0.0700 mg/L	20:19:52
2	Mo 202.031†	61.7	23.4	0.0010 mg/L	0.0010 mg/L	20:20:03
2	Ni 231.604†	55.2	64.0	-0.0015 mg/L	-0.0015 mg/L	20:20:03
2	P 214.914†	977.3	457.7	0.3004 mg/L	0.3004 mg/L	20:20:03
2	Pb 220.353†	79.0	6.6	-0.0034 mg/L	-0.0034 mg/L	20:20:03
2	Sb 206.836†	37.1	-6.4	-0.0067 mg/L	-0.0067 mg/L	20:20:03
2	Se 196.026†	-3.6	-3.0	-0.0043 mg/L	-0.0043 mg/L	20:20:03
2	Sn 189.927†	-10.2	-11.2	-0.0047 mg/L	-0.0047 mg/L	20:20:03
2	Ti 337.279†	1631.9	1795.6	0.0005 mg/L	0.0005 mg/L	20:19:52
2	Tl 190.801†	6.8	3.6	-0.0021 mg/L	-0.0021 mg/L	20:20:03
2	V 292.402†	-730.6	84.7	-0.0017 mg/L	-0.0017 mg/L	20:19:52
2	Zn 213.857†	4370.5	2778.2	0.0288 mg/L	0.0288 mg/L	20:20:03

Mean Data: ~~CJ20603-DUP1~~ 1012170-01SPLP

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3019931.2	1.22	mg/L	0.003				0.21%
Ag 328.068†	-238.5	-0.0035	mg/L	0.00009	-0.0035	mg/L	0.00009	2.44%
Al 237.313†	951.7	0.1151	mg/L	0.00202	0.1151	mg/L	0.00202	1.75%
As 188.979†	-2.4	-0.0014	mg/L	0.00298	-0.0014	mg/L	0.00298	219.60%
B 182.528†	123.6	0.2465	mg/L	0.00432	0.2465	mg/L	0.00432	1.75%
B 249.677†	413.5	0.2433	mg/L	0.00055	0.2433	mg/L	0.00055	0.23%
Ba 233.527†	2608.3	0.0342	mg/L	0.00009	0.0342	mg/L	0.00009	0.27%
Be 313.107†	85.7	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	4.81%
Ca 315.887†	234155.9	2.190	mg/L	0.0112	2.190	mg/L	0.0112	0.51%
Cd 228.802†	2.8	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	192.10%
Co 228.616†	10.0	-0.0025	mg/L	0.00036	-0.0025	mg/L	0.00036	14.28%
Cr 267.716†	11.7	-0.0031	mg/L	0.00024	-0.0031	mg/L	0.00024	7.89%
Cu 324.752†	922.6	0.0019	mg/L	0.00007	0.0019	mg/L	0.00007	3.82%
Fe 234.349†	195.8	0.1843	mg/L	0.00259	0.1843	mg/L	0.00259	1.40%
Fe 238.204†	18416.5	0.1439	mg/L	0.00158	0.1439	mg/L	0.00158	1.10%
K 766.490†	33366.7	18.14	mg/L	0.110	18.14	mg/L	0.110	0.61%
Li 670.784†	105.6	0.0038	mg/L	0.00184	0.0038	mg/L	0.00184	47.88%
Mg 279.077†	8648.5	0.7252	mg/L	0.00994	0.7252	mg/L	0.00994	1.37%
Mn 257.610†	41426.9	0.0704	mg/L	0.00053	0.0704	mg/L	0.00053	0.76%
Mo 202.031†	14.8	0.0005	mg/L	0.00065	0.0005	mg/L	0.00065	132.63%
Na 589.592†	25306.2	4.241	mg/L	0.0250	4.241	mg/L	0.0250	0.59%
Ni 231.604†	64.4	-0.0015	mg/L	0.00002	-0.0015	mg/L	0.00002	1.29%
P 214.914†	450.8	0.2963	mg/L	0.00579	0.2963	mg/L	0.00579	1.95%
Pb 220.353†	0.7	-0.0039	mg/L	0.00072	-0.0039	mg/L	0.00072	18.46%
Sb 206.836†	-7.2	-0.0074	mg/L	0.00098	-0.0074	mg/L	0.00098	13.29%

Se 196.026†	0.5	-0.0009 mg/L	0.00484	-0.0009 mg/L	0.00484	534.96%
Sn 189.927†	-16.0	-0.0058 mg/L	0.00152	-0.0058 mg/L	0.00152	26.32%
Sr 407.771†	6814.5	0.0076 mg/L	0.00003	0.0076 mg/L	0.00003	0.35%
Ti 337.279†	1801.5	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	2.38%
Tl 190.801†	2.0	-0.0031 mg/L	0.00153	-0.0031 mg/L	0.00153	48.50%
V 292.402†	120.6	-0.0014 mg/L	0.00031	-0.0014 mg/L	0.00031	21.84%
Zn 213.857†	2777.8	0.0288 mg/L	0.00001	0.0288 mg/L	0.00001	0.02%

Sequence No.: 65
Sample ID: ~~CJ20603-MS1~~ CJ20603-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 10/6/2012 8:21:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ~~CJ20603-MS1~~ CJ20603-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	490.6	407.2	0.2397	mg/L	0.2397	mg/L	20:23:32
1	Fe 234.349†	219.5	189.8	0.1791	mg/L	0.1791	mg/L	20:23:32
1	K 766.490†	40624.8	33895.8	18.43	mg/L	18.43	mg/L	20:23:22
1	Li 670.784†	-143.6	55.0	0.0023	mg/L	0.0023	mg/L	20:23:22
1	Na 589.592†	30767.6	25648.5	4.297	mg/L	4.297	mg/L	20:23:22
1	Sr 407.771†	8310.0	6837.1	0.0076	mg/L	0.0076	mg/L	20:23:22
1	Y 371.029	2954040.0	2954040.0	1.19	mg/L			20:23:48
1	Ag 328.068†	1420.4	-193.2	-0.0032	mg/L	-0.0032	mg/L	20:23:51
1	Al 237.313†	1108.4	1056.9	0.1287	mg/L	0.1287	mg/L	20:24:01
1	As 188.979†	-0.4	-3.3	-0.0024	mg/L	-0.0024	mg/L	20:24:01
1	B 182.528†	151.7	124.5	0.2484	mg/L	0.2484	mg/L	20:24:01
1	Ba 233.527†	3189.6	2728.9	0.0359	mg/L	0.0359	mg/L	20:24:01
1	Be 313.107†	-520.8	79.2	-0.0001	mg/L	-0.0001	mg/L	20:23:51
1	Ca 315.887†	286684.5	240237.4	2.247	mg/L	2.247	mg/L	20:23:48
1	Cd 228.802†	79.2	3.6	0.0001	mg/L	0.0001	mg/L	20:24:01
1	Co 228.616†	-67.6	8.2	-0.0025	mg/L	-0.0025	mg/L	20:24:01
1	Cr 267.716†	554.5	56.6	-0.0026	mg/L	-0.0026	mg/L	20:23:51
1	Cu 324.752†	2676.1	1010.7	0.0024	mg/L	0.0024	mg/L	20:23:51
1	Fe 238.204†	22464.6	18680.2	0.1462	mg/L	0.1462	mg/L	20:23:51
1	Mg 279.077†	10819.8	8937.6	0.7507	mg/L	0.7507	mg/L	20:23:51
1	Mn 257.610†	53864.1	43997.6	0.0749	mg/L	0.0749	mg/L	20:23:51
1	Mo 202.031†	48.1	13.2	0.0004	mg/L	0.0004	mg/L	20:24:01
1	Ni 231.604†	35.1	48.3	-0.0021	mg/L	-0.0021	mg/L	20:24:01
1	P 214.914†	1006.5	501.2	0.3263	mg/L	0.3263	mg/L	20:24:01
1	Pb 220.353†	77.5	6.8	-0.0034	mg/L	-0.0034	mg/L	20:24:01
1	Sb 206.836†	42.4	-1.3	-0.0023	mg/L	-0.0023	mg/L	20:24:01
1	Se 196.026†	6.5	5.4	0.0038	mg/L	0.0038	mg/L	20:24:01
1	Sn 189.927†	-25.4	-24.2	-0.0076	mg/L	-0.0076	mg/L	20:24:01
1	Ti 337.279†	1690.3	1876.5	0.0006	mg/L	0.0006	mg/L	20:23:51
1	Tl 190.801†	0.8	-1.4	-0.0055	mg/L	-0.0055	mg/L	20:24:01
1	V 292.402†	-611.9	170.0	-0.0011	mg/L	-0.0011	mg/L	20:23:51
1	Zn 213.857†	4538.7	3004.6	0.0312	mg/L	0.0312	mg/L	20:24:01
2	B 249.677†	485.2	400.1	0.2355	mg/L	0.2355	mg/L	20:23:45
2	Fe 234.349†	230.9	198.1	0.1863	mg/L	0.1863	mg/L	20:23:45
2	K 766.490†	40514.2	33585.4	18.26	mg/L	18.26	mg/L	20:23:35
2	Li 670.784†	-147.6	52.5	0.0022	mg/L	0.0022	mg/L	20:23:35
2	Na 589.592†	30793.9	25505.2	4.273	mg/L	4.273	mg/L	20:23:35
2	Sr 407.771†	8298.5	6782.9	0.0076	mg/L	0.0076	mg/L	20:23:35
2	Y 371.029	2973081.6	2973081.6	1.20	mg/L			20:24:03
2	Ag 328.068†	1385.3	-230.1	-0.0035	mg/L	-0.0035	mg/L	20:24:05
2	Al 237.313†	1086.4	1032.6	0.1255	mg/L	0.1255	mg/L	20:24:16
2	As 188.979†	-5.2	-7.3	-0.0074	mg/L	-0.0074	mg/L	20:24:16
2	B 182.528†	151.6	123.7	0.2467	mg/L	0.2467	mg/L	20:24:16
2	Ba 233.527†	3144.7	2674.4	0.0351	mg/L	0.0351	mg/L	20:24:16
2	Be 313.107†	-466.8	126.9	-0.0001	mg/L	-0.0001	mg/L	20:24:05
2	Ca 315.887†	287686.3	239532.4	2.240	mg/L	2.240	mg/L	20:24:03
2	Cd 228.802†	72.9	-2.1	-0.0001	mg/L	-0.0001	mg/L	20:24:16
2	Co 228.616†	-51.6	21.9	-0.0022	mg/L	-0.0022	mg/L	20:24:16
2	Cr 267.716†	525.3	29.3	-0.0029	mg/L	-0.0029	mg/L	20:24:05
2	Cu 324.752†	2655.9	979.5	0.0022	mg/L	0.0022	mg/L	20:24:05
2	Fe 238.204†	22179.6	18322.1	0.1431	mg/L	0.1431	mg/L	20:24:05
2	Mg 279.077†	10770.9	8838.8	0.7420	mg/L	0.7420	mg/L	20:24:05
2	Mn 257.610†	53565.0	43459.1	0.0740	mg/L	0.0740	mg/L	20:24:05
2	Mo 202.031†	61.4	24.1	0.0010	mg/L	0.0010	mg/L	20:24:16

2	Ni 231.604†	43.7	55.2	-0.0018 mg/L	-0.0018 mg/L	20:24:16
2	P 214.914†	995.0	486.2	0.3174 mg/L	0.3174 mg/L	20:24:16
2	Pb 220.353†	54.0	-13.2	-0.0051 mg/L	-0.0051 mg/L	20:24:16
2	Sb 206.836†	39.4	-3.9	-0.0046 mg/L	-0.0046 mg/L	20:24:16
2	Se 196.026†	1.1	0.8	-0.0006 mg/L	-0.0006 mg/L	20:24:16
2	Sn 189.927†	-15.6	-15.8	-0.0057 mg/L	-0.0057 mg/L	20:24:16
2	Ti 337.279†	1711.1	1884.8	0.0006 mg/L	0.0006 mg/L	20:24:05
2	Tl 190.801†	3.5	0.9	-0.0039 mg/L	-0.0039 mg/L	20:24:16
2	V 292.402†	-633.1	155.6	-0.0012 mg/L	-0.0012 mg/L	20:24:05
2	Zn 213.857†	4524.7	2968.6	0.0308 mg/L	0.0308 mg/L	20:24:16

Mean Data: ~~CJ20603-MS1~~ CJ20623-DUP1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2963560.8	1.20	mg/L	0.005			0.45%
Ag 328.068†	-211.6	-0.0033	mg/L	0.00022	-0.0033 mg/L	0.00022	6.70%
Al 237.313†	1044.8	0.1271	mg/L	0.00222	0.1271 mg/L	0.00222	1.74%
As 188.979†	-5.3	-0.0049	mg/L	0.00354	-0.0049 mg/L	0.00354	71.86%
B 182.528†	124.1	0.2475	mg/L	0.00122	0.2475 mg/L	0.00122	0.49%
B 249.677†	403.7	0.2376	mg/L	0.00292	0.2376 mg/L	0.00292	1.23%
Ba 233.527†	2701.7	0.0355	mg/L	0.00053	0.0355 mg/L	0.00053	1.50%
Be 313.107†	103.0	-0.0001	mg/L	0.00002	-0.0001 mg/L	0.00002	19.88%
Ca 315.887†	239884.9	2.244	mg/L	0.0047	2.244 mg/L	0.0047	0.21%
Cd 228.802†	0.7	0.0000	mg/L	0.00013	0.0000 mg/L	0.00013	728.88%
Co 228.616†	15.0	-0.0024	mg/L	0.00024	-0.0024 mg/L	0.00024	10.37%
Cr 267.716†	43.0	-0.0027	mg/L	0.00021	-0.0027 mg/L	0.00021	7.77%
Cu 324.752†	995.1	0.0023	mg/L	0.00012	0.0023 mg/L	0.00012	5.44%
Fe 234.349†	194.0	0.1827	mg/L	0.00506	0.1827 mg/L	0.00506	2.77%
Fe 238.204†	18501.1	0.1447	mg/L	0.00214	0.1447 mg/L	0.00214	1.48%
K 766.490†	33740.6	18.35	mg/L	0.118	18.35 mg/L	0.118	0.64%
Li 670.784†	53.8	0.0022	mg/L	0.00006	0.0022 mg/L	0.00006	2.49%
Mg 279.077†	8888.2	0.7464	mg/L	0.00617	0.7464 mg/L	0.00617	0.83%
Mn 257.610†	43728.4	0.0744	mg/L	0.00067	0.0744 mg/L	0.00067	0.90%
Mo 202.031†	18.6	0.0007	mg/L	0.00041	0.0007 mg/L	0.00041	58.67%
Na 589.592†	25576.8	4.285	mg/L	0.0166	4.285 mg/L	0.0166	0.39%
Ni 231.604†	51.7	-0.0019	mg/L	0.00017	-0.0019 mg/L	0.00017	8.96%
P 214.914†	493.7	0.3219	mg/L	0.00630	0.3219 mg/L	0.00630	1.96%
Pb 220.353†	-3.2	-0.0042	mg/L	0.00122	-0.0042 mg/L	0.00122	28.81%
Sb 206.836†	-2.6	-0.0034	mg/L	0.00159	-0.0034 mg/L	0.00159	46.00%
Se 196.026†	3.1	0.0016	mg/L	0.00315	0.0016 mg/L	0.00315	196.54%
Sn 189.927†	-20.0	-0.0067	mg/L	0.00135	-0.0067 mg/L	0.00135	20.19%
Sr 407.771†	6810.0	0.0076	mg/L	0.00004	0.0076 mg/L	0.00004	0.53%
Ti 337.279†	1880.6	0.0006	mg/L	0.00001	0.0006 mg/L	0.00001	1.37%
Tl 190.801†	-0.2	-0.0047	mg/L	0.00111	-0.0047 mg/L	0.00111	23.53%
V 292.402†	162.8	-0.0012	mg/L	0.00006	-0.0012 mg/L	0.00006	5.38%
Zn 213.857†	2986.6	0.0310	mg/L	0.00027	0.0310 mg/L	0.00027	0.89%

Sequence No.: 66

Sample ID: ~~CJ20603-SD1 @5~~ CJ20623-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 62

Date Collected: 10/6/2012 8:25:53 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ~~CJ20603-SD1 @5~~ CJ20623-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1654.2	1362.1	0.7946 mg/L		0.7946 mg/L	20:27:35
1	Fe 234.349†	3892.0	3220.3	2.765 mg/L		2.765 mg/L	20:27:35
1	K 766.490†	95287.3	78532.9	42.44 mg/L		42.44 mg/L	20:27:33
1	Li 670.784†	18972.2	15845.3	0.4900 mg/L		0.4900 mg/L	20:27:35
1	Na 589.592†	233377.0	192605.0	31.61 mg/L		31.61 mg/L	20:27:33
1	Sr 407.771†	63950.2	52688.1	0.0557 mg/L		0.0557 mg/L	20:27:33
1	Y 371.029	2999012.6	2999012.6	1.21 mg/L			20:27:44
1	Ag 328.068†	36854.9	29055.7	0.2460 mg/L		0.2460 mg/L	20:27:46
1	Al 237.313†	22828.6	18982.6	2.448 mg/L		2.448 mg/L	20:27:46
1	As 188.979†	468.1	383.6	0.4806 mg/L		0.4806 mg/L	20:27:56
1	B 182.528†	507.7	416.7	0.8185 mg/L		0.8185 mg/L	20:27:56
1	Ba 233.527†	47259.2	39087.7	0.5387 mg/L		0.5387 mg/L	20:27:46
1	Be 313.107†	98763.3	82088.5	0.0489 mg/L		0.0489 mg/L	20:27:46
1	Ca 315.887†	957174.0	790417.0	7.432 mg/L		7.432 mg/L	20:27:44

1	Cd	228.802†	8182.9	6695.8	0.2351 mg/L	0.2351 mg/L	20:27:56
1	Co	228.616†	23586.1	19545.6	0.4873 mg/L	0.4873 mg/L	20:27:46
1	Cr	267.716†	54873.0	44913.5	0.4920 mg/L	0.4920 mg/L	20:27:46
1	Cu	324.752†	111537.2	90889.8	0.5089 mg/L	0.5089 mg/L	20:27:46
1	Fe	238.204†	365062.5	301363.2	2.536 mg/L	2.536 mg/L	20:27:46
1	Mg	279.077†	77576.6	63938.8	5.603 mg/L	5.603 mg/L	20:27:46
1	Mn	257.610†	399412.2	328722.5	0.5785 mg/L	0.5785 mg/L	20:27:44
1	Mo	202.031†	11102.6	9143.0	0.4860 mg/L	0.4860 mg/L	20:27:56
1	Ni	231.604†	16678.0	13793.9	0.4858 mg/L	0.4858 mg/L	20:27:46
1	P	214.914†	10628.3	8435.6	5.040 mg/L	5.040 mg/L	20:27:56
1	Pb	220.353†	6791.6	5551.3	0.4735 mg/L	0.4735 mg/L	20:27:56
1	Sb	206.836†	728.4	564.8	0.4737 mg/L	0.4737 mg/L	20:27:56
1	Se	196.026†	1197.3	988.9	0.9586 mg/L	0.9586 mg/L	20:27:56
1	Sn	189.927†	2731.3	2253.0	0.5148 mg/L	0.5148 mg/L	20:27:56
1	Ti	337.279†	421453.1	348554.4	0.4912 mg/L	0.4912 mg/L	20:27:44
1	Tl	190.801†	834.0	686.8	0.4701 mg/L	0.4701 mg/L	20:27:56
1	V	292.402†	94991.5	79140.4	0.4992 mg/L	0.4992 mg/L	20:27:46
1	Zn	213.857†	60857.6	49463.6	0.5271 mg/L	0.5271 mg/L	20:27:46
2	B	249.677†	1672.9	1391.7	0.8118 mg/L	0.8118 mg/L	20:27:39
2	Fe	234.349†	3968.4	3317.0	2.848 mg/L	2.848 mg/L	20:27:39
2	K	766.490†	94918.3	79031.1	42.71 mg/L	42.71 mg/L	20:27:37
2	Li	670.784†	19406.5	16368.3	0.5062 mg/L	0.5062 mg/L	20:27:39
2	Na	589.592†	233087.4	194337.6	31.89 mg/L	31.89 mg/L	20:27:37
2	Sr	407.771†	63664.5	52990.7	0.0560 mg/L	0.0560 mg/L	20:27:37
2	Y	371.029	2968606.0	2968606.0	1.20 mg/L	1.20 mg/L	20:27:59
2	Ag	328.068†	36787.0	29310.9	0.2482 mg/L	0.2482 mg/L	20:28:01
2	Al	237.313†	22873.4	19213.1	2.478 mg/L	2.478 mg/L	20:28:01
2	As	188.979†	465.7	385.5	0.4830 mg/L	0.4830 mg/L	20:28:11
2	B	182.528†	512.3	424.8	0.8344 mg/L	0.8344 mg/L	20:28:11
2	Ba	233.527†	47246.3	39476.7	0.5441 mg/L	0.5441 mg/L	20:28:01
2	Be	313.107†	98872.5	83015.1	0.0495 mg/L	0.0495 mg/L	20:28:01
2	Ca	315.887†	946362.7	789493.6	7.424 mg/L	7.424 mg/L	20:27:59
2	Cd	228.802†	8230.6	6804.8	0.2389 mg/L	0.2389 mg/L	20:28:11
2	Co	228.616†	23662.4	19808.8	0.4939 mg/L	0.4939 mg/L	20:28:01
2	Cr	267.716†	54998.4	45482.3	0.4983 mg/L	0.4983 mg/L	20:28:01
2	Cu	324.752†	111589.8	91877.4	0.5144 mg/L	0.5144 mg/L	20:28:01
2	Fe	238.204†	365431.9	304759.8	2.565 mg/L	2.565 mg/L	20:28:01
2	Mg	279.077†	77445.1	64485.3	5.651 mg/L	5.651 mg/L	20:28:01
2	Mn	257.610†	395316.7	328684.2	0.5784 mg/L	0.5784 mg/L	20:27:59
2	Mo	202.031†	11166.6	9290.3	0.4938 mg/L	0.4938 mg/L	20:28:11
2	Ni	231.604†	16676.5	13933.7	0.4908 mg/L	0.4908 mg/L	20:28:01
2	P	214.914†	10704.0	8588.7	5.131 mg/L	5.131 mg/L	20:28:11
2	Pb	220.353†	6769.5	5590.3	0.4768 mg/L	0.4768 mg/L	20:28:11
2	Sb	206.836†	725.4	568.5	0.4768 mg/L	0.4768 mg/L	20:28:11
2	Se	196.026†	1199.6	1000.9	0.9703 mg/L	0.9703 mg/L	20:28:11
2	Sn	189.927†	2748.9	2290.8	0.5236 mg/L	0.5236 mg/L	20:28:11
2	Ti	337.279†	417313.0	348665.2	0.4913 mg/L	0.4913 mg/L	20:27:59
2	Tl	190.801†	838.3	697.5	0.4775 mg/L	0.4775 mg/L	20:28:11
2	V	292.402†	94959.1	79916.9	0.5041 mg/L	0.5041 mg/L	20:28:01
2	Zn	213.857†	60753.2	49891.3	0.5317 mg/L	0.5317 mg/L	20:28:01

Mean Data: ~~CJ20603-SD1-05~~ CJ20603-MS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2983809.3	1.20 mg/L	0.009			0.72%
Ag 328.068†	29183.3	0.2471 mg/L	0.00154	0.2471 mg/L	0.00154	0.62%
Al 237.313†	19097.8	2.463 mg/L	0.0211	2.463 mg/L	0.0211	0.86%
As 188.979†	384.6	0.4818 mg/L	0.00172	0.4818 mg/L	0.00172	0.36%
B 182.528†	420.7	0.8264 mg/L	0.01120	0.8264 mg/L	0.01120	1.36%
B 249.677†	1376.9	0.8032 mg/L	0.01216	0.8032 mg/L	0.01216	1.51%
Ba 233.527†	39282.2	0.5414 mg/L	0.00380	0.5414 mg/L	0.00380	0.70%
Be 313.107†	82551.8	0.0492 mg/L	0.00039	0.0492 mg/L	0.00039	0.80%
Ca 315.887†	789955.3	7.428 mg/L	0.0061	7.428 mg/L	0.0061	0.08%
Cd 228.802†	6750.3	0.2370 mg/L	0.00272	0.2370 mg/L	0.00272	1.15%
Co 228.616†	19677.2	0.4906 mg/L	0.00468	0.4906 mg/L	0.00468	0.95%
Cr 267.716†	45197.9	0.4951 mg/L	0.00444	0.4951 mg/L	0.00444	0.90%
Cu 324.752†	91383.6	0.5116 mg/L	0.00393	0.5116 mg/L	0.00393	0.77%
Fe 234.349†	3268.7	2.807 mg/L	0.0586	2.807 mg/L	0.0586	2.09%
Fe 238.204†	303061.5	2.550 mg/L	0.0203	2.550 mg/L	0.0203	0.80%
K 766.490†	78782.0	42.57 mg/L	0.189	42.57 mg/L	0.189	0.45%
Li 670.784†	16106.8	0.4981 mg/L	0.01142	0.4981 mg/L	0.01142	2.29%
Mg 279.077†	64212.0	5.627 mg/L	0.0341	5.627 mg/L	0.0341	0.61%

Mn 257.610†	328703.3	0.5784 mg/L	0.00005	0.5784 mg/L	0.00005	0.01%
Mo 202.031†	9216.6	0.4899 mg/L	0.00553	0.4899 mg/L	0.00553	1.13%
Na 589.592†	193471.3	31.75 mg/L	0.200	31.75 mg/L	0.200	0.63%
Ni 231.604†	13863.8	0.4883 mg/L	0.00351	0.4883 mg/L	0.00351	0.72%
P 214.914†	8512.1	5.086 mg/L	0.0644	5.086 mg/L	0.0644	1.27%
Pb 220.353†	5570.8	0.4752 mg/L	0.00237	0.4752 mg/L	0.00237	0.50%
Sb 206.836†	566.6	0.4753 mg/L	0.00216	0.4753 mg/L	0.00216	0.45%
Se 196.026†	994.9	0.9645 mg/L	0.00827	0.9645 mg/L	0.00827	0.86%
Sn 189.927†	2271.9	0.5192 mg/L	0.00621	0.5192 mg/L	0.00621	1.20%
Sr 407.771†	52839.4	0.0559 mg/L	0.00022	0.0559 mg/L	0.00022	0.40%
Ti 337.279†	348609.8	0.4912 mg/L	0.00011	0.4912 mg/L	0.00011	0.02%
Tl 190.801†	692.2	0.4738 mg/L	0.00522	0.4738 mg/L	0.00522	1.10%
V 292.402†	79528.7	0.5017 mg/L	0.00350	0.5017 mg/L	0.00350	0.70%
Zn 213.857†	49677.5	0.5294 mg/L	0.00323	0.5294 mg/L	0.00323	0.61%

Sequence No.: 67
Sample ID: ~~CJ20603-PDS1~~ CJ20603-SD1 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 10/6/2012 8:29:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ~~CJ20603-PDS1~~ CJ20603-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	106.5	81.4	0.0500 mg/L		0.0500 mg/L	20:31:49
1	Fe 234.349†	38.1	36.4	0.0492 mg/L		0.0492 mg/L	20:31:49
1	K 766.490†	9081.2	7130.3	4.032 mg/L		4.032 mg/L	20:31:39
1	Li 670.784†	-171.4	37.7	0.0017 mg/L		0.0017 mg/L	20:31:39
1	Na 589.592†	10021.9	7904.5	1.394 mg/L		1.394 mg/L	20:31:39
1	Sr 407.771†	1894.9	1392.1	0.0019 mg/L		0.0019 mg/L	20:31:39
1	Y 371.029	3081813.9	3081813.9	1.24 mg/L			20:32:13
1	Ag 328.068†	1367.6	-285.0	-0.0039 mg/L		-0.0039 mg/L	20:32:16
1	Al 237.313†	118.8	223.0	0.0210 mg/L		0.0210 mg/L	20:32:26
1	As 188.979†	2.4	-1.1	0.0003 mg/L		0.0003 mg/L	20:32:26
1	B 182.528†	34.0	24.7	0.0534 mg/L		0.0534 mg/L	20:32:26
1	Ba 233.527†	627.3	558.6	0.0058 mg/L		0.0058 mg/L	20:32:26
1	Be 313.107†	-481.4	128.9	-0.0001 mg/L		-0.0001 mg/L	20:32:16
1	Ca 315.887†	62460.4	50050.7	0.4553 mg/L		0.4553 mg/L	20:32:16
1	Cd 228.802†	68.8	-7.5	-0.0003 mg/L		-0.0003 mg/L	20:32:26
1	Co 228.616†	-55.3	20.4	-0.0022 mg/L		-0.0022 mg/L	20:32:26
1	Cr 267.716†	478.2	-24.0	-0.0035 mg/L		-0.0035 mg/L	20:32:16
1	Cu 324.752†	1761.5	182.5	-0.0023 mg/L		-0.0023 mg/L	20:32:16
1	Fe 238.204†	5413.6	4194.5	0.0237 mg/L		0.0237 mg/L	20:32:16
1	Mg 279.077†	2456.9	1839.8	0.1245 mg/L		0.1245 mg/L	20:32:16
1	Mn 257.610†	13931.2	10029.0	0.0149 mg/L		0.0149 mg/L	20:32:16
1	Mo 202.031†	36.1	1.9	-0.0001 mg/L		-0.0001 mg/L	20:32:26
1	Ni 231.604†	7.1	24.5	-0.0029 mg/L		-0.0029 mg/L	20:32:26
1	P 214.914†	470.4	35.4	0.0490 mg/L		0.0490 mg/L	20:32:26
1	Pb 220.353†	59.3	-10.4	-0.0048 mg/L		-0.0048 mg/L	20:32:26
1	Sb 206.836†	35.3	-8.4	-0.0083 mg/L		-0.0083 mg/L	20:32:26
1	Se 196.026†	7.1	5.7	0.0040 mg/L		0.0040 mg/L	20:32:26
1	Sn 189.927†	-4.0	-6.1	-0.0039 mg/L		-0.0039 mg/L	20:32:26
1	Ti 337.279†	140.3	571.9	-0.0012 mg/L		-0.0012 mg/L	20:32:16
1	Tl 190.801†	4.4	1.5	-0.0034 mg/L		-0.0034 mg/L	20:32:26
1	V 292.402†	-650.9	159.9	-0.0012 mg/L		-0.0012 mg/L	20:32:16
1	Zn 213.857†	3699.7	2172.5	0.0223 mg/L		0.0223 mg/L	20:32:26
2	B 249.677†	107.4	81.9	0.0503 mg/L		0.0503 mg/L	20:32:10
2	Fe 234.349†	51.1	46.7	0.0581 mg/L		0.0581 mg/L	20:32:10
2	K 766.490†	8935.0	6989.1	3.956 mg/L		3.956 mg/L	20:32:00
2	Li 670.784†	-156.2	50.3	0.0021 mg/L		0.0021 mg/L	20:32:00
2	Na 589.592†	9957.9	7826.7	1.382 mg/L		1.382 mg/L	20:32:00
2	Sr 407.771†	1890.9	1383.9	0.0019 mg/L		0.0019 mg/L	20:32:00
2	Y 371.029	3091987.1	3091987.1	1.25 mg/L			20:32:28
2	Ag 328.068†	1406.0	-257.9	-0.0037 mg/L		-0.0037 mg/L	20:32:30
2	Al 237.313†	114.1	218.9	0.0205 mg/L		0.0205 mg/L	20:32:41
2	As 188.979†	2.2	-1.2	0.0001 mg/L		0.0001 mg/L	20:32:41
2	B 182.528†	33.3	24.1	0.0523 mg/L		0.0523 mg/L	20:32:41
2	Ba 233.527†	634.0	562.3	0.0059 mg/L		0.0059 mg/L	20:32:41
2	Be 313.107†	-510.0	107.3	-0.0001 mg/L		-0.0001 mg/L	20:32:30
2	Ca 315.887†	61980.4	49501.0	0.4501 mg/L		0.4501 mg/L	20:32:30
2	Cd 228.802†	71.9	-5.2	-0.0002 mg/L		-0.0002 mg/L	20:32:41

2	Co	228.616†	-61.5	15.6	-0.0023	mg/L	-0.0023	mg/L	20:32:41
2	Cr	267.716†	462.6	-37.8	-0.0036	mg/L	-0.0036	mg/L	20:32:30
2	Cu	324.752†	1762.5	178.7	-0.0023	mg/L	-0.0023	mg/L	20:32:30
2	Fe	238.204†	5434.3	4196.7	0.0238	mg/L	0.0238	mg/L	20:32:30
2	Mg	279.077†	2426.8	1809.2	0.1218	mg/L	0.1218	mg/L	20:32:30
2	Mn	257.610†	13825.6	9907.5	0.0146	mg/L	0.0146	mg/L	20:32:30
2	Mo	202.031†	37.3	2.7	-0.0001	mg/L	-0.0001	mg/L	20:32:41
2	Ni	231.604†	8.2	25.4	-0.0029	mg/L	-0.0029	mg/L	20:32:41
2	P	214.914†	489.9	49.7	0.0575	mg/L	0.0575	mg/L	20:32:41
2	Pb	220.353†	50.3	-17.9	-0.0055	mg/L	-0.0055	mg/L	20:32:41
2	Sb	206.836†	41.4	-3.6	-0.0043	mg/L	-0.0043	mg/L	20:32:41
2	Se	196.026†	4.5	3.5	0.0019	mg/L	0.0019	mg/L	20:32:41
2	Sn	189.927†	-9.5	-10.5	-0.0049	mg/L	-0.0049	mg/L	20:32:41
2	Ti	337.279†	275.0	679.4	-0.0011	mg/L	-0.0011	mg/L	20:32:30
2	Tl	190.801†	8.2	4.6	-0.0013	mg/L	-0.0013	mg/L	20:32:41
2	V	292.402†	-675.9	141.6	-0.0013	mg/L	-0.0013	mg/L	20:32:30
2	Zn	213.857†	3694.7	2158.7	0.0221	mg/L	0.0221	mg/L	20:32:41

Mean Data: ~~CJ20603-PDS1~~ CJ20603-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3086900.5	1.25	mg/L	0.003				0.23%
Ag 328.068†	-271.5	-0.0038	mg/L	0.00016	-0.0038	mg/L	0.00016	4.28%
Al 237.313†	221.0	0.0207	mg/L	0.00037	0.0207	mg/L	0.00037	1.81%
As 188.979†	-1.2	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	73.40%
B 182.528†	24.4	0.0529	mg/L	0.00080	0.0529	mg/L	0.00080	1.51%
B 249.677†	81.6	0.0501	mg/L	0.00018	0.0501	mg/L	0.00018	0.37%
Ba 233.527†	560.5	0.0058	mg/L	0.00004	0.0058	mg/L	0.00004	0.61%
Be 313.107†	118.1	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	9.87%
Ca 315.887†	49775.9	0.4527	mg/L	0.00366	0.4527	mg/L	0.00366	0.81%
Cd 228.802†	-6.4	-0.0003	mg/L	0.00006	-0.0003	mg/L	0.00006	22.48%
Co 228.616†	18.0	-0.0023	mg/L	0.00009	-0.0023	mg/L	0.00009	3.77%
Cr 267.716†	-30.9	-0.0035	mg/L	0.00011	-0.0035	mg/L	0.00011	3.01%
Cu 324.752†	180.6	-0.0023	mg/L	0.00002	-0.0023	mg/L	0.00002	0.66%
Fe 234.349†	41.5	0.0537	mg/L	0.00626	0.0537	mg/L	0.00626	11.67%
Fe 238.204†	4195.6	0.0238	mg/L	0.00001	0.0238	mg/L	0.00001	0.06%
K 766.490†	7059.7	3.994	mg/L	0.0537	3.994	mg/L	0.0537	1.34%
Li 670.784†	44.0	0.0019	mg/L	0.00028	0.0019	mg/L	0.00028	14.19%
Mg 279.077†	1824.5	0.1232	mg/L	0.00191	0.1232	mg/L	0.00191	1.55%
Mn 257.610†	9968.2	0.0147	mg/L	0.00015	0.0147	mg/L	0.00015	1.03%
Mo 202.031†	2.3	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	23.61%
Na 589.592†	7865.6	1.388	mg/L	0.0090	1.388	mg/L	0.0090	0.65%
Ni 231.604†	24.9	-0.0029	mg/L	0.00002	-0.0029	mg/L	0.00002	0.76%
P 214.914†	42.6	0.0533	mg/L	0.00605	0.0533	mg/L	0.00605	11.35%
Pb 220.353†	-14.2	-0.0051	mg/L	0.00045	-0.0051	mg/L	0.00045	8.81%
Sb 206.836†	-6.0	-0.0063	mg/L	0.00287	-0.0063	mg/L	0.00287	45.63%
Se 196.026†	4.6	0.0030	mg/L	0.00148	0.0030	mg/L	0.00148	50.07%
Sn 189.927†	-8.3	-0.0044	mg/L	0.00068	-0.0044	mg/L	0.00068	15.46%
Sr 407.771†	1388.0	0.0019	mg/L	0.00001	0.0019	mg/L	0.00001	0.32%
Ti 337.279†	625.7	-0.0012	mg/L	0.00011	-0.0012	mg/L	0.00011	9.19%
Tl 190.801†	3.0	-0.0023	mg/L	0.00152	-0.0023	mg/L	0.00152	64.53%
V 292.402†	150.7	-0.0012	mg/L	0.00008	-0.0012	mg/L	0.00008	6.73%
Zn 213.857†	2165.6	0.0222	mg/L	0.00010	0.0222	mg/L	0.00010	0.47%

Sequence No.: 68

Sample ID: ~~1210170-01SPLP~~ CJ20603-PDS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 64

Date Collected: 10/6/2012 8:34:23 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ~~1210170-01SPLP~~ CJ20603-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1618.6	1360.5	0.7935	mg/L	0.7935	mg/L	20:36:08
1	Fe 234.349†	4261.0	3598.2	3.089	mg/L	3.089	mg/L	20:36:08
1	K 766.490†	98355.4	82754.9	44.71	mg/L	44.71	mg/L	20:36:05
1	Li 670.784†	20947.3	17836.2	0.5515	mg/L	0.5515	mg/L	20:36:08
1	Na 589.592†	222041.9	187053.3	30.70	mg/L	30.70	mg/L	20:36:05
1	Sr 407.771†	70218.5	59070.4	0.0624	mg/L	0.0624	mg/L	20:36:05
1	Y 371.029	2937967.7	2937967.7	1.19	mg/L			20:36:16

1	Ag	328.068†	40438.7	32709.7	0.2771 mg/L	0.2771 mg/L	20:36:19
1	Al	237.313†	25019.9	21221.8	2.738 mg/L	2.738 mg/L	20:36:19
1	As	188.979†	509.5	426.5	0.5342 mg/L	0.5342 mg/L	20:36:29
1	B	182.528†	494.0	413.8	0.8130 mg/L	0.8130 mg/L	20:36:29
1	Ba	233.527†	50460.9	42598.1	0.5873 mg/L	0.5873 mg/L	20:36:19
1	Be	313.107†	109185.2	92570.1	0.0552 mg/L	0.0552 mg/L	20:36:19
1	Ca	315.887†	927005.0	781407.8	7.348 mg/L	7.348 mg/L	20:36:16
1	Cd	228.802†	8888.6	7431.2	0.2609 mg/L	0.2609 mg/L	20:36:19
1	Co	228.616†	25891.7	21894.2	0.5462 mg/L	0.5462 mg/L	20:36:19
1	Cr	267.716†	59708.3	49931.8	0.5473 mg/L	0.5473 mg/L	20:36:19
1	Cu	324.752†	121304.7	101039.0	0.5660 mg/L	0.5660 mg/L	20:36:19
1	Fe	238.204†	391871.4	330230.8	2.780 mg/L	2.780 mg/L	20:36:16
1	Mg	279.077†	83494.7	70259.6	6.161 mg/L	6.161 mg/L	20:36:19
1	Mn	257.610†	417859.0	351129.5	0.6181 mg/L	0.6181 mg/L	20:36:16
1	Mo	202.031†	11723.9	9857.3	0.5239 mg/L	0.5239 mg/L	20:36:29
1	Ni	231.604†	18042.3	15230.3	0.5368 mg/L	0.5368 mg/L	20:36:19
1	P	214.914†	11254.5	9146.0	5.462 mg/L	5.462 mg/L	20:36:29
1	Pb	220.353†	7192.7	6006.1	0.5125 mg/L	0.5125 mg/L	20:36:29
1	Sb	206.836†	767.2	610.0	0.5117 mg/L	0.5117 mg/L	20:36:29
1	Se	196.026†	1304.1	1099.5	1.066 mg/L	1.066 mg/L	20:36:29
1	Sn	189.927†	2921.8	2460.5	0.5627 mg/L	0.5627 mg/L	20:36:29
1	Ti	337.279†	443028.0	373976.9	0.5271 mg/L	0.5271 mg/L	20:36:16
1	Tl	190.801†	897.0	754.2	0.5166 mg/L	0.5166 mg/L	20:36:29
1	V	292.402†	103384.2	87846.5	0.5542 mg/L	0.5542 mg/L	20:36:19
1	Zn	213.857†	66231.8	55039.0	0.5867 mg/L	0.5867 mg/L	20:36:19
2	B	249.677†	1629.6	1371.3	0.7999 mg/L	0.7999 mg/L	20:36:12
2	Fe	234.349†	4274.2	3613.6	3.103 mg/L	3.103 mg/L	20:36:12
2	K	766.490†	95722.4	80629.4	43.57 mg/L	43.57 mg/L	20:36:10
2	Li	670.784†	20984.0	17887.8	0.5531 mg/L	0.5531 mg/L	20:36:12
2	Na	589.592†	216695.7	182759.5	30.00 mg/L	30.00 mg/L	20:36:10
2	Sr	407.771†	67929.7	57207.7	0.0605 mg/L	0.0605 mg/L	20:36:10
2	Y	371.029	2934537.7	2934537.7	1.18 mg/L		20:36:32
2	Ag	328.068†	37819.5	30538.8	0.2586 mg/L	0.2586 mg/L	20:36:34
2	Al	237.313†	23402.6	19881.3	2.564 mg/L	2.564 mg/L	20:36:34
2	As	188.979†	464.1	388.7	0.4871 mg/L	0.4871 mg/L	20:36:44
2	B	182.528†	474.4	397.8	0.7816 mg/L	0.7816 mg/L	20:36:44
2	Ba	233.527†	47470.0	40123.3	0.5531 mg/L	0.5531 mg/L	20:36:34
2	Be	313.107†	101645.6	86313.6	0.0514 mg/L	0.0514 mg/L	20:36:34
2	Ca	315.887†	880792.5	743314.0	6.989 mg/L	6.989 mg/L	20:36:32
2	Cd	228.802†	8314.0	6954.9	0.2442 mg/L	0.2442 mg/L	20:36:34
2	Co	228.616†	24160.3	20458.3	0.5102 mg/L	0.5102 mg/L	20:36:34
2	Cr	267.716†	55776.5	46671.9	0.5114 mg/L	0.5114 mg/L	20:36:34
2	Cu	324.752†	113058.8	94198.2	0.5275 mg/L	0.5275 mg/L	20:36:34
2	Fe	238.204†	365259.1	308153.8	2.593 mg/L	2.593 mg/L	20:36:32
2	Mg	279.077†	78798.0	66377.5	5.818 mg/L	5.818 mg/L	20:36:34
2	Mn	257.610†	392040.5	329748.2	0.5803 mg/L	0.5803 mg/L	20:36:32
2	Mo	202.031†	10882.7	9158.9	0.4867 mg/L	0.4867 mg/L	20:36:44
2	Ni	231.604†	16939.3	14317.1	0.5044 mg/L	0.5044 mg/L	20:36:34
2	P	214.914†	10481.7	8504.8	5.082 mg/L	5.082 mg/L	20:36:44
2	Pb	220.353†	6660.2	5563.6	0.4745 mg/L	0.4745 mg/L	20:36:44
2	Sb	206.836†	715.6	567.2	0.4757 mg/L	0.4757 mg/L	20:36:44
2	Se	196.026†	1211.4	1022.4	0.9913 mg/L	0.9913 mg/L	20:36:44
2	Sn	189.927†	2706.9	2282.0	0.5224 mg/L	0.5224 mg/L	20:36:44
2	Ti	337.279†	409296.5	345941.1	0.4875 mg/L	0.4875 mg/L	20:36:32
2	Tl	190.801†	829.7	698.3	0.4778 mg/L	0.4778 mg/L	20:36:44
2	V	292.402†	96222.9	81903.6	0.5166 mg/L	0.5166 mg/L	20:36:34
2	Zn	213.857†	62042.0	51567.7	0.5496 mg/L	0.5496 mg/L	20:36:34

Mean Data: ~~1210170-01SPLP~~ CJ20603-PDS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2936252.7	1.19	mg/L	0.001				0.08%
Ag 328.068†	31624.3	0.2679	mg/L	0.01306	0.2679	mg/L	0.01306	4.88%
Al 237.313†	20551.5	2.651	mg/L	0.1226	2.651	mg/L	0.1226	4.63%
As 188.979†	407.6	0.5106	mg/L	0.03332	0.5106	mg/L	0.03332	6.53%
B 182.528†	405.8	0.7973	mg/L	0.02215	0.7973	mg/L	0.02215	2.78%
B 249.677†	1365.9	0.7967	mg/L	0.00451	0.7967	mg/L	0.00451	0.57%
Ba 233.527†	41360.7	0.5702	mg/L	0.02420	0.5702	mg/L	0.02420	4.24%
Be 313.107†	89441.8	0.0533	mg/L	0.00264	0.0533	mg/L	0.00264	4.96%
Ca 315.887†	762360.9	7.168	mg/L	0.2539	7.168	mg/L	0.2539	3.54%
Cd 228.802†	7193.1	0.2525	mg/L	0.01178	0.2525	mg/L	0.01178	4.67%
Co 228.616†	21176.3	0.5282	mg/L	0.02545	0.5282	mg/L	0.02545	4.82%

Cr 267.716†	48301.9	0.5293 mg/L	0.02542	0.5293 mg/L	0.02542	4.80%
Cu 324.752†	97618.6	0.5468 mg/L	0.02726	0.5468 mg/L	0.02726	4.99%
Fe 234.349†	3605.9	3.096 mg/L	0.0098	3.096 mg/L	0.0098	0.32%
Fe 238.204†	319192.3	2.687 mg/L	0.1320	2.687 mg/L	0.1320	4.91%
K 766.490†	81692.1	44.14 mg/L	0.808	44.14 mg/L	0.808	1.83%
Li 670.784†	17862.0	0.5523 mg/L	0.00113	0.5523 mg/L	0.00113	0.20%
Mg 279.077†	68318.6	5.990 mg/L	0.2422	5.990 mg/L	0.2422	4.04%
Mn 257.610†	340438.8	0.5992 mg/L	0.02674	0.5992 mg/L	0.02674	4.46%
Mo 202.031†	9508.1	0.5053 mg/L	0.02632	0.5053 mg/L	0.02632	5.21%
Na 589.592†	184906.4	30.35 mg/L	0.497	30.35 mg/L	0.497	1.64%
Ni 231.604†	14773.7	0.5206 mg/L	0.02293	0.5206 mg/L	0.02293	4.40%
P 214.914†	8825.4	5.272 mg/L	0.2691	5.272 mg/L	0.2691	5.10%
Pb 220.353†	5784.9	0.4935 mg/L	0.02691	0.4935 mg/L	0.02691	5.45%
Sb 206.836†	588.6	0.4937 mg/L	0.02550	0.4937 mg/L	0.02550	5.17%
Se 196.026†	1061.0	1.029 mg/L	0.0528	1.029 mg/L	0.0528	5.13%
Sn 189.927†	2371.3	0.5425 mg/L	0.02851	0.5425 mg/L	0.02851	5.26%
Sr 407.771†	58139.0	0.0614 mg/L	0.00138	0.0614 mg/L	0.00138	2.25%
Ti 337.279†	359959.0	0.5073 mg/L	0.02805	0.5073 mg/L	0.02805	5.53%
Tl 190.801†	726.3	0.4972 mg/L	0.02744	0.4972 mg/L	0.02744	5.52%
V 292.402†	84875.1	0.5354 mg/L	0.02665	0.5354 mg/L	0.02665	4.98%
Zn 213.857†	53303.4	0.5681 mg/L	0.02622	0.5681 mg/L	0.02622	4.61%

Sequence No.: 69

Sample ID: 1210170-02SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 65

Date Collected: 10/6/2012 8:38:23 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210170-02SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1516.6	1263.0	0.7378	mg/L	0.7378	mg/L	20:40:13
1	Fe 234.349†	92.9	83.4	0.0782	mg/L	0.0782	mg/L	20:40:13
1	K 766.490†	201406.7	168111.6	90.62	mg/L	90.62	mg/L	20:40:03
1	Li 670.784†	-109.7	83.8	0.0032	mg/L	0.0032	mg/L	20:40:03
1	Na 589.592†	178370.1	148882.1	24.45	mg/L	24.45	mg/L	20:40:03
1	Sr 407.771†	70937.3	59138.9	0.0625	mg/L	0.0625	mg/L	20:40:03
1	Y 371.029	2964610.1	2964610.1	1.20	mg/L			20:40:29
1	Ag 328.068†	1379.5	-231.6	-0.0035	mg/L	-0.0035	mg/L	20:40:32
1	Al 237.313†	800.2	796.1	0.0950	mg/L	0.0950	mg/L	20:40:42
1	As 188.979†	-2.8	-5.3	-0.0050	mg/L	-0.0050	mg/L	20:40:42
1	B 182.528†	474.0	393.4	0.7731	mg/L	0.7731	mg/L	20:40:42
1	Ba 233.527†	11970.0	10055.7	0.1372	mg/L	0.1372	mg/L	20:40:32
1	Be 313.107†	-485.3	110.4	-0.0001	mg/L	-0.0001	mg/L	20:40:32
1	Ca 315.887†	1670526.7	1395615.2	13.13	mg/L	13.13	mg/L	20:40:29
1	Cd 228.802†	74.8	-0.3	0.0000	mg/L	0.0000	mg/L	20:40:42
1	Co 228.616†	-75.7	1.7	-0.0027	mg/L	-0.0027	mg/L	20:40:42
1	Cr 267.716†	581.4	77.4	-0.0023	mg/L	-0.0023	mg/L	20:40:32
1	Cu 324.752†	3735.7	1888.0	0.0073	mg/L	0.0073	mg/L	20:40:32
1	Fe 238.204†	6597.5	5355.7	0.0336	mg/L	0.0336	mg/L	20:40:32
1	Mg 279.077†	53489.5	44556.9	3.892	mg/L	3.892	mg/L	20:40:32
1	Mn 257.610†	76442.1	62701.1	0.1080	mg/L	0.1080	mg/L	20:40:32
1	Mo 202.031†	104.8	60.4	0.0030	mg/L	0.0030	mg/L	20:40:42
1	Ni 231.604†	107.0	108.2	0.0001	mg/L	0.0001	mg/L	20:40:42
1	P 214.914†	17541.9	14314.0	8.543	mg/L	8.543	mg/L	20:40:32
1	Pb 220.353†	120.1	42.2	-0.0004	mg/L	-0.0004	mg/L	20:40:42
1	Sb 206.836†	38.2	-4.9	-0.0053	mg/L	-0.0053	mg/L	20:40:42
1	Se 196.026†	0.3	0.2	-0.0013	mg/L	-0.0013	mg/L	20:40:42
1	Sn 189.927†	-155.4	-132.7	-0.0324	mg/L	-0.0324	mg/L	20:40:42
1	Ti 337.279†	1389.4	1620.0	0.0002	mg/L	0.0002	mg/L	20:40:32
1	Tl 190.801†	10.0	6.4	0.0000	mg/L	0.0000	mg/L	20:40:42
1	V 292.402†	-701.2	97.2	-0.0015	mg/L	-0.0015	mg/L	20:40:32
1	Zn 213.857†	13015.2	10073.3	0.1072	mg/L	0.1072	mg/L	20:40:32
2	B 249.677†	1513.5	1250.4	0.7305	mg/L	0.7305	mg/L	20:40:26
2	Fe 234.349†	89.8	80.2	0.0753	mg/L	0.0753	mg/L	20:40:26
2	K 766.490†	204596.5	169424.8	91.33	mg/L	91.33	mg/L	20:40:15
2	Li 670.784†	-148.9	52.0	0.0022	mg/L	0.0022	mg/L	20:40:15
2	Na 589.592†	181391.8	150208.2	24.67	mg/L	24.67	mg/L	20:40:15
2	Sr 407.771†	72212.2	59727.0	0.0631	mg/L	0.0631	mg/L	20:40:15
2	Y 371.029	2988243.0	2988243.0	1.21	mg/L			20:40:44
2	Ag 328.068†	1370.7	-248.0	-0.0036	mg/L	-0.0036	mg/L	20:40:46

2	Al	237.313†	817.3	805.0	0.0961	mg/L	0.0961	mg/L	20:40:57
2	As	188.979†	-7.6	-9.3	-0.0099	mg/L	-0.0099	mg/L	20:40:57
2	B	182.528†	471.6	388.3	0.7630	mg/L	0.7630	mg/L	20:40:57
2	Ba	233.527†	12024.0	10021.3	0.1368	mg/L	0.1368	mg/L	20:40:46
2	Be	313.107†	-491.7	108.3	-0.0001	mg/L	-0.0001	mg/L	20:40:46
2	Ca	315.887†	1693847.9	1403907.9	13.21	mg/L	13.21	mg/L	20:40:44
2	Cd	228.802†	80.9	4.3	0.0002	mg/L	0.0002	mg/L	20:40:57
2	Co	228.616†	-55.2	19.1	-0.0023	mg/L	-0.0023	mg/L	20:40:57
2	Cr	267.716†	598.7	87.9	-0.0022	mg/L	-0.0022	mg/L	20:40:46
2	Cu	324.752†	3665.3	1805.0	0.0068	mg/L	0.0068	mg/L	20:40:46
2	Fe	238.204†	6571.3	5290.4	0.0330	mg/L	0.0330	mg/L	20:40:46
2	Mg	279.077†	53869.1	44518.1	3.889	mg/L	3.889	mg/L	20:40:46
2	Mn	257.610†	76912.9	62586.2	0.1078	mg/L	0.1078	mg/L	20:40:46
2	Mo	202.031†	102.8	58.1	0.0028	mg/L	0.0028	mg/L	20:40:57
2	Ni	231.604†	105.9	106.6	0.0000	mg/L	0.0000	mg/L	20:40:57
2	P	214.914†	17654.6	14291.5	8.530	mg/L	8.530	mg/L	20:40:46
2	Pb	220.353†	94.2	20.0	-0.0023	mg/L	-0.0023	mg/L	20:40:57
2	Sb	206.836†	40.0	-3.6	-0.0043	mg/L	-0.0043	mg/L	20:40:57
2	Se	196.026†	6.0	4.9	0.0032	mg/L	0.0032	mg/L	20:40:57
2	Sn	189.927†	-179.1	-151.3	-0.0366	mg/L	-0.0366	mg/L	20:40:57
2	Ti	337.279†	1198.5	1452.6	0.0000	mg/L	0.0000	mg/L	20:40:46
2	Tl	190.801†	11.0	7.1	0.0005	mg/L	0.0005	mg/L	20:40:57
2	V	292.402†	-691.4	109.9	-0.0015	mg/L	-0.0015	mg/L	20:40:46
2	Zn	213.857†	13062.0	10026.2	0.1067	mg/L	0.1067	mg/L	20:40:46

Mean Data: 1210170-02SPLP

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2976426.5	1.20 mg/L	0.007			0.56%
Ag 328.068†	-239.8	-0.0036 mg/L	0.00010	-0.0036 mg/L	0.00010	2.78%
Al 237.313†	800.5	0.0956 mg/L	0.00082	0.0956 mg/L	0.00082	0.85%
As 188.979†	-7.3	-0.0074 mg/L	0.00351	-0.0074 mg/L	0.00351	47.17%
B 182.528†	390.8	0.7681 mg/L	0.00714	0.7681 mg/L	0.00714	0.93%
B 249.677†	1256.7	0.7341 mg/L	0.00516	0.7341 mg/L	0.00516	0.70%
Ba 233.527†	10038.5	0.1370 mg/L	0.00034	0.1370 mg/L	0.00034	0.25%
Be 313.107†	109.3	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	0.91%
Ca 315.887†	1399761.5	13.17 mg/L	0.055	13.17 mg/L	0.055	0.42%
Cd 228.802†	2.0	0.0001 mg/L	0.00013	0.0001 mg/L	0.00013	178.81%
Co 228.616†	10.4	-0.0025 mg/L	0.00031	-0.0025 mg/L	0.00031	12.52%
Cr 267.716†	82.7	-0.0023 mg/L	0.00008	-0.0023 mg/L	0.00008	3.56%
Cu 324.752†	1846.5	0.0071 mg/L	0.00033	0.0071 mg/L	0.00033	4.68%
Fe 234.349†	81.8	0.0768 mg/L	0.00202	0.0768 mg/L	0.00202	2.64%
Fe 238.204†	5323.0	0.0333 mg/L	0.00039	0.0333 mg/L	0.00039	1.17%
K 766.490†	168768.2	90.97 mg/L	0.499	90.97 mg/L	0.499	0.55%
Li 670.784†	67.9	0.0027 mg/L	0.00069	0.0027 mg/L	0.00069	25.93%
Mg 279.077†	44537.5	3.891 mg/L	0.0024	3.891 mg/L	0.0024	0.06%
Mn 257.610†	62643.6	0.1079 mg/L	0.00014	0.1079 mg/L	0.00014	0.13%
Mo 202.031†	59.2	0.0029 mg/L	0.00009	0.0029 mg/L	0.00009	3.08%
Na 589.592†	149545.1	24.56 mg/L	0.153	24.56 mg/L	0.153	0.62%
Ni 231.604†	107.4	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	142.03%
P 214.914†	14302.7	8.537 mg/L	0.0095	8.537 mg/L	0.0095	0.11%
Pb 220.353†	31.1	-0.0014 mg/L	0.00136	-0.0014 mg/L	0.00136	99.80%
Sb 206.836†	-4.2	-0.0048 mg/L	0.00073	-0.0048 mg/L	0.00073	15.29%
Se 196.026†	2.5	0.0010 mg/L	0.00322	0.0010 mg/L	0.00322	330.67%
Sn 189.927†	-142.0	-0.0345 mg/L	0.00297	-0.0345 mg/L	0.00297	8.61%
Sr 407.771†	59433.0	0.0628 mg/L	0.00044	0.0628 mg/L	0.00044	0.69%
Ti 337.279†	1536.3	0.0001 mg/L	0.00017	0.0001 mg/L	0.00017	141.84%
Tl 190.801†	6.7	0.0002 mg/L	0.00038	0.0002 mg/L	0.00038	171.52%
V 292.402†	103.6	-0.0015 mg/L	0.00006	-0.0015 mg/L	0.00006	3.78%
Zn 213.857†	10049.8	0.1069 mg/L	0.00036	0.1069 mg/L	0.00036	0.33%

Sequence No.: 70

Sample ID: 1210170-03SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 66

Date Collected: 10/6/2012 8:42:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210170-03SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	1324.1	1155.9	0.6755 mg/L	0.6755 mg/L	20:44:30
1	Fe 234.349†	1104.9	973.8	0.8267 mg/L	0.8267 mg/L	20:44:30
1	K 766.490†	50474.5	44052.6	23.89 mg/L	23.89 mg/L	20:44:20
1	Li 670.784†	-54.0	128.1	0.0045 mg/L	0.0045 mg/L	20:44:30
1	Na 589.592†	755907.4	662109.3	108.4 mg/L	108.4 mg/L	20:44:20
1	Sr 407.771†	120017.0	105017.4	0.1106 mg/L	0.1106 mg/L	20:44:20
1	Y 371.029	2827269.5	2827269.5	1.14 mg/L		20:44:47
1	Ag 328.068†	1438.9	-123.6	-0.0025 mg/L	-0.0025 mg/L	20:44:49
1	Al 237.313†	9637.9	8571.4	1.099 mg/L	1.099 mg/L	20:44:49
1	As 188.979†	10.0	5.8	0.0091 mg/L	0.0091 mg/L	20:44:59
1	B 182.528†	414.8	360.8	0.7094 mg/L	0.7094 mg/L	20:44:59
1	Ba 233.527†	7033.4	6216.5	0.0841 mg/L	0.0841 mg/L	20:44:49
1	Be 313.107†	-448.6	122.8	-0.0001 mg/L	-0.0001 mg/L	20:44:49
1	Ca 315.887†	3583435.2	3139340.5	29.56 mg/L	29.56 mg/L	20:44:47
1	Cd 228.802†	95.4	20.8	0.0007 mg/L	0.0007 mg/L	20:44:59
1	Co 228.616†	-0.2	64.7	-0.0012 mg/L	-0.0012 mg/L	20:44:59
1	Cr 267.716†	838.5	326.3	0.0004 mg/L	0.0004 mg/L	20:44:49
1	Cu 324.752†	9554.5	7137.6	0.0369 mg/L	0.0369 mg/L	20:44:49
1	Fe 238.204†	102446.4	89597.9	0.7456 mg/L	0.7456 mg/L	20:44:49
1	Mg 279.077†	81073.6	70894.7	6.215 mg/L	6.215 mg/L	20:44:49
1	Mn 257.610†	24475.3	20274.9	0.0330 mg/L	0.0330 mg/L	20:44:49
1	Mo 202.031†	621.0	516.9	0.0270 mg/L	0.0270 mg/L	20:44:59
1	Ni 231.604†	157.4	156.7	0.0018 mg/L	0.0018 mg/L	20:44:59
1	P 214.914†	17238.8	14760.4	8.810 mg/L	8.810 mg/L	20:44:49
1	Pb 220.353†	71.1	4.2	-0.0039 mg/L	-0.0039 mg/L	20:44:59
1	Sb 206.836†	38.9	-2.7	-0.0038 mg/L	-0.0038 mg/L	20:44:59
1	Se 196.026†	-7.6	-6.7	-0.0077 mg/L	-0.0077 mg/L	20:44:59
1	Sn 189.927†	-262.9	-233.2	-0.0529 mg/L	-0.0529 mg/L	20:44:59
1	Ti 337.279†	33584.9	29883.3	0.0402 mg/L	0.0402 mg/L	20:44:49
1	Tl 190.801†	17.6	13.4	0.0043 mg/L	0.0043 mg/L	20:44:59
1	V 292.402†	5665.9	5647.1	0.0332 mg/L	0.0332 mg/L	20:44:49
1	Zn 213.857†	7667.5	5916.4	0.0624 mg/L	0.0624 mg/L	20:44:49
2	B 249.677†	1341.9	1150.2	0.6721 mg/L	0.6721 mg/L	20:44:43
2	Fe 234.349†	1098.6	950.9	0.8073 mg/L	0.8073 mg/L	20:44:43
2	K 766.490†	50509.1	43282.0	23.48 mg/L	23.48 mg/L	20:44:32
2	Li 670.784†	-68.1	116.9	0.0042 mg/L	0.0042 mg/L	20:44:43
2	Na 589.592†	755145.2	649467.0	106.3 mg/L	106.3 mg/L	20:44:32
2	Sr 407.771†	119854.3	102974.3	0.1085 mg/L	0.1085 mg/L	20:44:32
2	Y 371.029	2879385.1	2879385.1	1.16 mg/L		20:45:02
2	Ag 328.068†	1464.6	-124.3	-0.0025 mg/L	-0.0025 mg/L	20:45:04
2	Al 237.313†	9456.3	8262.3	1.059 mg/L	1.059 mg/L	20:45:04
2	As 188.979†	8.5	4.3	0.0073 mg/L	0.0073 mg/L	20:45:14
2	B 182.528†	414.0	353.5	0.6953 mg/L	0.6953 mg/L	20:45:14
2	Ba 233.527†	6852.1	5949.0	0.0804 mg/L	0.0804 mg/L	20:45:04
2	Be 313.107†	-496.9	88.4	-0.0001 mg/L	-0.0001 mg/L	20:45:04
2	Ca 315.887†	3624283.5	3117657.0	29.35 mg/L	29.35 mg/L	20:45:02
2	Cd 228.802†	89.6	14.2	0.0004 mg/L	0.0004 mg/L	20:45:14
2	Co 228.616†	15.4	78.1	-0.0008 mg/L	-0.0008 mg/L	20:45:14
2	Cr 267.716†	809.7	288.2	0.0000 mg/L	0.0000 mg/L	20:45:04
2	Cu 324.752†	9500.5	6939.6	0.0358 mg/L	0.0358 mg/L	20:45:04
2	Fe 238.204†	100672.3	86447.2	0.7190 mg/L	0.7190 mg/L	20:45:04
2	Mg 279.077†	79605.8	68346.4	5.990 mg/L	5.990 mg/L	20:45:04
2	Mn 257.610†	24045.8	19517.3	0.0316 mg/L	0.0316 mg/L	20:45:04
2	Mo 202.031†	619.5	505.8	0.0264 mg/L	0.0264 mg/L	20:45:14
2	Ni 231.604†	150.9	148.6	0.0015 mg/L	0.0015 mg/L	20:45:14
2	P 214.914†	16917.7	14210.9	8.483 mg/L	8.483 mg/L	20:45:04
2	Pb 220.353†	94.9	23.5	-0.0022 mg/L	-0.0022 mg/L	20:45:14
2	Sb 206.836†	44.5	1.5	-0.0002 mg/L	-0.0002 mg/L	20:45:14
2	Se 196.026†	-2.5	-2.2	-0.0033 mg/L	-0.0033 mg/L	20:45:14
2	Sn 189.927†	-253.6	-221.0	-0.0502 mg/L	-0.0502 mg/L	20:45:14
2	Ti 337.279†	33978.2	29689.0	0.0400 mg/L	0.0400 mg/L	20:45:04
2	Tl 190.801†	12.3	8.6	0.0009 mg/L	0.0009 mg/L	20:45:14
2	V 292.402†	5518.5	5430.4	0.0319 mg/L	0.0319 mg/L	20:45:04
2	Zn 213.857†	7413.4	5576.3	0.0588 mg/L	0.0588 mg/L	20:45:04

Mean Data: 1210170-03SPLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2853327.3	1.15	mg/L	0.015				1.29%
Ag 328.068†	-123.9	-0.0025	mg/L	0.00001	-0.0025	mg/L	0.00001	0.23%
Al 237.313†	8416.9	1.079	mg/L	0.0282	1.079	mg/L	0.0282	2.62%
As 188.979†	5.1	0.0082	mg/L	0.00131	0.0082	mg/L	0.00131	15.96%

2	Fe 234.349†	93.0	79.6	0.0867 mg/L	0.0867 mg/L	20:49:15
2	K 766.490†	962.2	595.7	0.5176 mg/L	0.5176 mg/L	20:49:05
2	Li 670.784†	-224.0	-2.5	0.0005 mg/L	0.0005 mg/L	20:49:05
2	Na 589.592†	7799.7	6045.6	1.090 mg/L	1.090 mg/L	20:49:05
2	Sr 407.771†	295.7	103.9	0.0006 mg/L	0.0006 mg/L	20:49:05
2	Y 371.029	3118003.7	3118003.7	1.26 mg/L		20:49:33
2	Ag 328.068†	1437.8	-242.0	-0.0036 mg/L	-0.0036 mg/L	20:49:35
2	Al 237.313†	-51.8	86.3	0.0033 mg/L	0.0033 mg/L	20:49:46
2	As 188.979†	5.5	1.4	0.0034 mg/L	0.0034 mg/L	20:49:46
2	B 182.528†	1.5	-1.5	0.0025 mg/L	0.0025 mg/L	20:49:46
2	Ba 233.527†	-23.4	35.8	-0.0014 mg/L	-0.0014 mg/L	20:49:46
2	Be 313.107†	-510.4	110.4	-0.0001 mg/L	-0.0001 mg/L	20:49:35
2	Ca 315.887†	15285.8	11991.6	0.0967 mg/L	0.0967 mg/L	20:49:35
2	Cd 228.802†	79.0	-0.1	0.0000 mg/L	0.0000 mg/L	20:49:46
2	Co 228.616†	-88.6	-5.5	-0.0029 mg/L	-0.0029 mg/L	20:49:46
2	Cr 267.716†	443.7	-55.9	-0.0038 mg/L	-0.0038 mg/L	20:49:35
2	Cu 324.752†	1850.8	237.0	-0.0020 mg/L	-0.0020 mg/L	20:49:35
2	Fe 238.204†	10031.2	7812.3	0.0543 mg/L	0.0543 mg/L	20:49:35
2	Mg 279.077†	275.1	83.6	-0.0304 mg/L	-0.0304 mg/L	20:49:35
2	Mn 257.610†	4673.4	2544.4	0.0016 mg/L	0.0016 mg/L	20:49:35
2	Mo 202.031†	39.8	4.5	0.0000 mg/L	0.0000 mg/L	20:49:46
2	Ni 231.604†	-3.6	15.9	-0.0032 mg/L	-0.0032 mg/L	20:49:46
2	P 214.914†	400.4	-24.6	0.0134 mg/L	0.0134 mg/L	20:49:46
2	Pb 220.353†	49.1	-19.1	-0.0055 mg/L	-0.0055 mg/L	20:49:46
2	Sb 206.836†	38.2	-6.5	-0.0066 mg/L	-0.0066 mg/L	20:49:46
2	Se 196.026†	3.1	2.4	0.0009 mg/L	0.0009 mg/L	20:49:46
2	Sn 189.927†	111.3	85.5	0.0169 mg/L	0.0169 mg/L	20:49:46
2	Ti 337.279†	267.2	671.4	-0.0011 mg/L	-0.0011 mg/L	20:49:35
2	Tl 190.801†	3.1	0.5	-0.0042 mg/L	-0.0042 mg/L	20:49:46
2	V 292.402†	-738.2	96.6	-0.0016 mg/L	-0.0016 mg/L	20:49:35
2	Zn 213.857†	1596.1	466.8	0.0039 mg/L	0.0039 mg/L	20:49:46

Mean Data: CJ20516-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	3121946.0	1.26	mg/L	0.002			0.18%
Ag 328.068†	-240.1	-0.0036	mg/L	0.00002	-0.0036 mg/L	0.00002	0.64%
Al 237.313†	80.7	0.0026	mg/L	0.00104	0.0026 mg/L	0.00104	39.72%
As 188.979†	1.6	0.0036	mg/L	0.00034	0.0036 mg/L	0.00034	9.47%
B 182.528†	0.1	0.0056	mg/L	0.00438	0.0056 mg/L	0.00438	78.23%
B 249.677†	4.3	0.0051	mg/L	0.00046	0.0051 mg/L	0.00046	8.92%
Ba 233.527†	35.8	-0.0014	mg/L	0.00000	-0.0014 mg/L	0.00000	0.05%
Be 313.107†	115.8	-0.0001	mg/L	0.00000	-0.0001 mg/L	0.00000	4.86%
Ca 315.887†	12083.0	0.0976	mg/L	0.00122	0.0976 mg/L	0.00122	1.25%
Cd 228.802†	0.5	0.0000	mg/L	0.00003	0.0000 mg/L	0.00003	85.29%
Co 228.616†	2.8	-0.0027	mg/L	0.00030	-0.0027 mg/L	0.00030	11.12%
Cr 267.716†	-68.2	-0.0040	mg/L	0.00019	-0.0040 mg/L	0.00019	4.85%
Cu 324.752†	227.4	-0.0020	mg/L	0.00008	-0.0020 mg/L	0.00008	3.76%
Fe 234.349†	81.4	0.0882	mg/L	0.00217	0.0882 mg/L	0.00217	2.46%
Fe 238.204†	7902.3	0.0551	mg/L	0.00108	0.0551 mg/L	0.00108	1.95%
K 766.490†	625.6	0.5337	mg/L	0.02280	0.5337 mg/L	0.02280	4.27%
Li 670.784†	-8.1	0.0003	mg/L	0.00025	0.0003 mg/L	0.00025	74.38%
Mg 279.077†	80.7	-0.0307	mg/L	0.00037	-0.0307 mg/L	0.00037	1.19%
Mn 257.610†	2584.1	0.0017	mg/L	0.00010	0.0017 mg/L	0.00010	5.87%
Mo 202.031†	4.2	0.0000	mg/L	0.00002	0.0000 mg/L	0.00002	55.31%
Na 589.592†	6278.7	1.128	mg/L	0.0539	1.128 mg/L	0.0539	4.78%
Ni 231.604†	10.1	-0.0034	mg/L	0.00029	-0.0034 mg/L	0.00029	8.56%
P 214.914†	-24.4	0.0135	mg/L	0.00020	0.0135 mg/L	0.00020	1.45%
Pb 220.353†	-16.1	-0.0053	mg/L	0.00037	-0.0053 mg/L	0.00037	7.00%
Sb 206.836†	-6.0	-0.0063	mg/L	0.00056	-0.0063 mg/L	0.00056	9.00%
Se 196.026†	1.4	-0.0001	mg/L	0.00142	-0.0001 mg/L	0.00142	988.83%
Sn 189.927†	86.9	0.0172	mg/L	0.00045	0.0172 mg/L	0.00045	2.62%
Sr 407.771†	106.8	0.0006	mg/L	0.00000	0.0006 mg/L	0.00000	0.74%
Ti 337.279†	592.9	-0.0012	mg/L	0.00016	-0.0012 mg/L	0.00016	12.91%
Tl 190.801†	-0.6	-0.0049	mg/L	0.00104	-0.0049 mg/L	0.00104	21.28%
V 292.402†	74.6	-0.0017	mg/L	0.00020	-0.0017 mg/L	0.00020	11.44%
Zn 213.857†	458.5	0.0039	mg/L	0.00012	0.0039 mg/L	0.00012	3.21%

Sequence No.: 72
Sample ID: CJ20516-BS1
Analyst:

Autosampler Location: 68
Date Collected: 10/6/2012 8:51:25 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20516-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	870.4	699.0	0.4081	mg/L	0.4081	mg/L	20:53:09
1	Fe 234.349†	82115.0	66343.6	56.85	mg/L	56.85	mg/L	20:53:07
1	K 766.490†	30362.6	24360.2	13.30	mg/L	13.30	mg/L	20:53:09
1	Li 670.784†	1144.1	1099.8	0.0346	mg/L	0.0346	mg/L	20:53:09
1	Na 589.592†	14548.7	11602.8	1.999	mg/L	1.999	mg/L	20:53:09
1	Sr 407.771†	736165.9	594591.4	0.6242	mg/L	0.6242	mg/L	20:53:07
1	Y 371.029	3066115.5	3066115.5	1.24	mg/L			20:53:19
1	Ag 328.068†	29582.9	22514.8	0.1945	mg/L	0.1945	mg/L	20:53:21
1	Al 237.313†	337303.2	272622.8	35.19	mg/L	35.19	mg/L	20:53:21
1	As 188.979†	780.1	627.2	0.8074	mg/L	0.8074	mg/L	20:53:31
1	B 182.528†	253.6	202.2	0.4000	mg/L	0.4000	mg/L	20:53:31
1	Ba 233.527†	90156.5	72888.7	1.007	mg/L	1.007	mg/L	20:53:21
1	Be 313.107†	1021351.0	825629.1	0.4930	mg/L	0.4930	mg/L	20:53:19
1	Ca 315.887†	4138285.4	3343022.2	31.48	mg/L	31.48	mg/L	20:53:19
1	Cd 228.802†	15362.8	12348.2	0.4340	mg/L	0.4340	mg/L	20:53:21
1	Co 228.616†	29830.9	24164.2	0.6027	mg/L	0.6027	mg/L	20:53:21
1	Cr 267.716†	60899.9	48790.5	0.5345	mg/L	0.5345	mg/L	20:53:21
1	Cu 324.752†	120497.7	96112.6	0.5385	mg/L	0.5385	mg/L	20:53:21
1	Fe 238.204†	7320406.5	5913740.1	49.97	mg/L	49.97	mg/L	20:53:19
1	Mg 279.077†	170070.0	137258.6	12.07	mg/L	12.07	mg/L	20:53:21
1	Mn 257.610†	1113776.2	898612.0	1.586	mg/L	1.586	mg/L	20:53:19
1	Mo 202.031†	6827.2	5488.4	0.2743	mg/L	0.2743	mg/L	20:53:31
1	Ni 231.604†	11763.4	9522.0	0.3341	mg/L	0.3341	mg/L	20:53:21
1	P 214.914†	5242.1	3892.2	2.466	mg/L	2.466	mg/L	20:53:31
1	Pb 220.353†	5119.7	4077.9	0.3364	mg/L	0.3364	mg/L	20:53:31
1	Sb 206.836†	708.3	535.4	0.4249	mg/L	0.4249	mg/L	20:53:31
1	Se 196.026†	735.4	594.0	0.5988	mg/L	0.5988	mg/L	20:53:31
1	Sn 189.927†	3785.6	3055.4	0.8544	mg/L	0.8544	mg/L	20:53:31
1	Ti 337.279†	657744.0	531827.2	0.7505	mg/L	0.7505	mg/L	20:53:19
1	Tl 190.801†	1716.5	1384.7	0.9264	mg/L	0.9264	mg/L	20:53:31
1	V 292.402†	78263.3	63909.2	0.3922	mg/L	0.3922	mg/L	20:53:21
1	Zn 213.857†	146517.8	117565.4	1.260	mg/L	1.260	mg/L	20:53:21
2	B 249.677†	894.5	713.8	0.4167	mg/L	0.4167	mg/L	20:53:13
2	Fe 234.349†	81830.3	65683.2	56.29	mg/L	56.29	mg/L	20:53:11
2	K 766.490†	30901.1	24632.6	13.45	mg/L	13.45	mg/L	20:53:13
2	Li 670.784†	1145.6	1094.9	0.0344	mg/L	0.0344	mg/L	20:53:13
2	Na 589.592†	14624.8	11587.4	1.997	mg/L	1.997	mg/L	20:53:13
2	Sr 407.771†	734832.3	589649.6	0.6190	mg/L	0.6190	mg/L	20:53:11
2	Y 371.029	3086205.5	3086205.5	1.25	mg/L			20:53:35
2	Ag 328.068†	29716.0	22466.0	0.1940	mg/L	0.1940	mg/L	20:53:37
2	Al 237.313†	340283.8	273241.2	35.27	mg/L	35.27	mg/L	20:53:37
2	As 188.979†	774.7	618.8	0.7967	mg/L	0.7967	mg/L	20:53:47
2	B 182.528†	260.9	206.7	0.4088	mg/L	0.4088	mg/L	20:53:47
2	Ba 233.527†	91076.9	73153.2	1.010	mg/L	1.010	mg/L	20:53:37
2	Be 313.107†	1024339.6	822656.6	0.4913	mg/L	0.4913	mg/L	20:53:35
2	Ca 315.887†	4151834.0	3332133.7	31.38	mg/L	31.38	mg/L	20:53:35
2	Cd 228.802†	15391.5	12290.5	0.4320	mg/L	0.4320	mg/L	20:53:37
2	Co 228.616†	30038.6	24174.0	0.6029	mg/L	0.6029	mg/L	20:53:37
2	Cr 267.716†	61248.6	48750.1	0.5340	mg/L	0.5340	mg/L	20:53:37
2	Cu 324.752†	121433.8	96230.2	0.5391	mg/L	0.5391	mg/L	20:53:37
2	Fe 238.204†	7343915.7	5894111.6	49.81	mg/L	49.81	mg/L	20:53:35
2	Mg 279.077†	171332.1	137377.2	12.08	mg/L	12.08	mg/L	20:53:37
2	Mn 257.610†	1117995.4	896141.2	1.582	mg/L	1.582	mg/L	20:53:35
2	Mo 202.031†	6810.9	5439.4	0.2719	mg/L	0.2719	mg/L	20:53:47
2	Ni 231.604†	11778.0	9471.9	0.3323	mg/L	0.3323	mg/L	20:53:37
2	P 214.914†	5232.2	3856.7	2.443	mg/L	2.443	mg/L	20:53:47
2	Pb 220.353†	5128.9	4058.3	0.3347	mg/L	0.3347	mg/L	20:53:47
2	Sb 206.836†	714.5	536.7	0.4262	mg/L	0.4262	mg/L	20:53:47
2	Se 196.026†	727.8	584.1	0.5889	mg/L	0.5889	mg/L	20:53:47
2	Sn 189.927†	3763.9	3018.1	0.8443	mg/L	0.8443	mg/L	20:53:47
2	Ti 337.279†	660204.5	530343.0	0.7484	mg/L	0.7484	mg/L	20:53:35
2	Tl 190.801†	1700.1	1362.5	0.9112	mg/L	0.9112	mg/L	20:53:47
2	V 292.402†	78561.2	63736.7	0.3912	mg/L	0.3912	mg/L	20:53:37
2	Zn 213.857†	147741.3	117776.9	1.262	mg/L	1.262	mg/L	20:53:37

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3076160.5	1.24	mg/L	0.006				0.46%
Ag 328.068†	22490.4	0.1942	mg/L	0.00032	0.1942	mg/L	0.00032	0.17%
Al 237.313†	272932.0	35.23	mg/L	0.056	35.23	mg/L	0.056	0.16%
As 188.979†	623.0	0.8021	mg/L	0.00758	0.8021	mg/L	0.00758	0.94%
B 182.528†	204.5	0.4044	mg/L	0.00621	0.4044	mg/L	0.00621	1.53%
B 249.677†	706.4	0.4124	mg/L	0.00611	0.4124	mg/L	0.00611	1.48%
Ba 233.527†	73020.9	1.008	mg/L	0.0026	1.008	mg/L	0.0026	0.26%
Be 313.107†	824142.9	0.4921	mg/L	0.00126	0.4921	mg/L	0.00126	0.26%
Ca 315.887†	3337578.0	31.43	mg/L	0.073	31.43	mg/L	0.073	0.23%
Cd 228.802†	12319.3	0.4330	mg/L	0.00141	0.4330	mg/L	0.00141	0.33%
Co 228.616†	24169.1	0.6028	mg/L	0.00018	0.6028	mg/L	0.00018	0.03%
Cr 267.716†	48770.3	0.5342	mg/L	0.00032	0.5342	mg/L	0.00032	0.06%
Cu 324.752†	96171.4	0.5388	mg/L	0.00047	0.5388	mg/L	0.00047	0.09%
Fe 234.349†	66013.4	56.57	mg/L	0.400	56.57	mg/L	0.400	0.71%
Fe 238.204†	5903925.8	49.89	mg/L	0.117	49.89	mg/L	0.117	0.24%
K 766.490†	24496.4	13.37	mg/L	0.104	13.37	mg/L	0.104	0.77%
Li 670.784†	1097.3	0.0345	mg/L	0.00011	0.0345	mg/L	0.00011	0.31%
Mg 279.077†	137317.9	12.08	mg/L	0.007	12.08	mg/L	0.007	0.06%
Mn 257.610†	897376.6	1.584	mg/L	0.0031	1.584	mg/L	0.0031	0.20%
Mo 202.031†	5463.9	0.2731	mg/L	0.00172	0.2731	mg/L	0.00172	0.63%
Na 589.592†	11595.1	1.998	mg/L	0.0018	1.998	mg/L	0.0018	0.09%
Ni 231.604†	9497.0	0.3332	mg/L	0.00126	0.3332	mg/L	0.00126	0.38%
P 214.914†	3874.5	2.454	mg/L	0.0159	2.454	mg/L	0.0159	0.65%
Pb 220.353†	4068.1	0.3355	mg/L	0.00121	0.3355	mg/L	0.00121	0.36%
Sb 206.836†	536.1	0.4256	mg/L	0.00095	0.4256	mg/L	0.00095	0.22%
Se 196.026†	589.1	0.5938	mg/L	0.00697	0.5938	mg/L	0.00697	1.17%
Sn 189.927†	3036.8	0.8493	mg/L	0.00714	0.8493	mg/L	0.00714	0.84%
Sr 407.771†	592120.5	0.6216	mg/L	0.00367	0.6216	mg/L	0.00367	0.59%
Ti 337.279†	531085.1	0.7495	mg/L	0.00149	0.7495	mg/L	0.00149	0.20%
Tl 190.801†	1373.6	0.9188	mg/L	0.01073	0.9188	mg/L	0.01073	1.17%
V 292.402†	63823.0	0.3917	mg/L	0.00070	0.3917	mg/L	0.00070	0.18%
Zn 213.857†	117671.1	1.261	mg/L	0.0016	1.261	mg/L	0.0016	0.13%

Sequence No.: 73

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/6/2012 8:55:26 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	1065.2	889.9	0.5197	mg/L	0.5197	mg/L	20:57:08
1	Fe 234.349†	3768.4	3168.8	2.723	mg/L	2.723	mg/L	20:57:08
1	K 766.490†	53617.9	44836.1	24.31	mg/L	24.31	mg/L	20:57:06
1	Li 670.784†	18829.2	15980.0	0.4942	mg/L	0.4942	mg/L	20:57:08
1	Na 589.592†	178588.9	149750.3	24.60	mg/L	24.60	mg/L	20:57:06
1	Sr 407.771†	57564.2	48186.2	0.0510	mg/L	0.0510	mg/L	20:57:06
1	Y 371.029	2951055.9	2951055.9	1.19	mg/L			20:57:16
1	Ag 328.068†	37270.9	29899.6	0.2532	mg/L	0.2532	mg/L	20:57:18
1	Al 237.313†	23285.2	19672.2	2.537	mg/L	2.537	mg/L	20:57:18
1	As 188.979†	495.5	412.9	0.5171	mg/L	0.5171	mg/L	20:57:29
1	B 182.528†	323.7	269.1	0.5304	mg/L	0.5304	mg/L	20:57:29
1	Ba 233.527†	44784.9	37645.2	0.5188	mg/L	0.5188	mg/L	20:57:18
1	Be 313.107†	99241.1	83815.1	0.0499	mg/L	0.0499	mg/L	20:57:18
1	Ca 315.887†	615334.1	516336.7	4.850	mg/L	4.850	mg/L	20:57:16
1	Cd 228.802†	8617.9	7170.7	0.2517	mg/L	0.2517	mg/L	20:57:29
1	Co 228.616†	24394.4	20540.6	0.5123	mg/L	0.5123	mg/L	20:57:18
1	Cr 267.716†	54674.4	45483.3	0.4983	mg/L	0.4983	mg/L	20:57:18
1	Cu 324.752†	109303.3	90511.9	0.5067	mg/L	0.5067	mg/L	20:57:18
1	Fe 238.204†	355108.2	297907.9	2.507	mg/L	2.507	mg/L	20:57:18
1	Mg 279.077†	69509.9	58209.1	5.098	mg/L	5.098	mg/L	20:57:18
1	Mn 257.610†	353282.5	295363.9	0.5195	mg/L	0.5195	mg/L	20:57:18
1	Mo 202.031†	11300.5	9458.1	0.5028	mg/L	0.5028	mg/L	20:57:29
1	Ni 231.604†	17829.2	14984.0	0.5280	mg/L	0.5280	mg/L	20:57:18
1	P 214.914†	10449.0	8427.8	5.035	mg/L	5.035	mg/L	20:57:29
1	Pb 220.353†	7000.7	5818.0	0.4965	mg/L	0.4965	mg/L	20:57:29
1	Sb 206.836†	777.2	615.6	0.5165	mg/L	0.5165	mg/L	20:57:29

1	Se 196.026†	1309.2	1098.8	1.065 mg/L	1.065 mg/L	20:57:29
1	Sn 189.927†	2799.3	2346.7	0.5359 mg/L	0.5359 mg/L	20:57:29
1	Ti 337.279†	402922.0	338656.8	0.4772 mg/L	0.4772 mg/L	20:57:16
1	Tl 190.801†	871.0	729.1	0.4995 mg/L	0.4995 mg/L	20:57:29
1	V 292.402†	95402.0	80760.0	0.5095 mg/L	0.5095 mg/L	20:57:18
1	Zn 213.857†	58956.0	48684.3	0.5185 mg/L	0.5185 mg/L	20:57:18
2	B 249.677†	1043.8	880.9	0.5145 mg/L	0.5145 mg/L	20:57:12
2	Fe 234.349†	3698.9	3142.2	2.700 mg/L	2.700 mg/L	20:57:12
2	K 766.490†	52735.0	44547.0	24.16 mg/L	24.16 mg/L	20:57:10
2	Li 670.784†	18556.8	15910.4	0.4920 mg/L	0.4920 mg/L	20:57:12
2	Na 589.592†	176078.7	149152.3	24.50 mg/L	24.50 mg/L	20:57:10
2	Sr 407.771†	56475.3	47756.3	0.0506 mg/L	0.0506 mg/L	20:57:10
2	Y 371.029	2921230.1	2921230.1	1.18 mg/L		20:57:31
2	Ag 328.068†	37253.4	30204.1	0.2557 mg/L	0.2557 mg/L	20:57:33
2	Al 237.313†	23253.2	19844.7	2.559 mg/L	2.559 mg/L	20:57:33
2	As 188.979†	498.3	419.6	0.5254 mg/L	0.5254 mg/L	20:57:44
2	B 182.528†	325.8	273.6	0.5393 mg/L	0.5393 mg/L	20:57:44
2	Ba 233.527†	44732.4	37984.4	0.5235 mg/L	0.5235 mg/L	20:57:33
2	Be 313.107†	98875.4	84355.5	0.0503 mg/L	0.0503 mg/L	20:57:33
2	Ca 315.887†	628366.3	532660.4	5.004 mg/L	5.004 mg/L	20:57:31
2	Cd 228.802†	8613.2	7240.6	0.2542 mg/L	0.2542 mg/L	20:57:44
2	Co 228.616†	24401.8	20755.9	0.5177 mg/L	0.5177 mg/L	20:57:33
2	Cr 267.716†	54740.4	46007.8	0.5041 mg/L	0.5041 mg/L	20:57:33
2	Cu 324.752†	108694.5	90932.4	0.5091 mg/L	0.5091 mg/L	20:57:33
2	Fe 238.204†	354335.5	300295.9	2.527 mg/L	2.527 mg/L	20:57:33
2	Mg 279.077†	69625.3	58902.7	5.159 mg/L	5.159 mg/L	20:57:33
2	Mn 257.610†	352944.3	298104.7	0.5243 mg/L	0.5243 mg/L	20:57:33
2	Mo 202.031†	11309.6	9562.7	0.5084 mg/L	0.5084 mg/L	20:57:44
2	Ni 231.604†	17832.5	15139.6	0.5335 mg/L	0.5335 mg/L	20:57:33
2	P 214.914†	10464.0	8530.1	5.096 mg/L	5.096 mg/L	20:57:44
2	Pb 220.353†	7007.2	5883.5	0.5021 mg/L	0.5021 mg/L	20:57:44
2	Sb 206.836†	777.3	622.3	0.5223 mg/L	0.5223 mg/L	20:57:44
2	Se 196.026†	1311.9	1112.4	1.078 mg/L	1.078 mg/L	20:57:44
2	Sn 189.927†	2829.1	2396.0	0.5469 mg/L	0.5469 mg/L	20:57:44
2	Ti 337.279†	411300.8	349214.5	0.4921 mg/L	0.4921 mg/L	20:57:31
2	Tl 190.801†	869.6	735.4	0.5039 mg/L	0.5039 mg/L	20:57:44
2	V 292.402†	95281.3	81475.2	0.5141 mg/L	0.5141 mg/L	20:57:33
2	Zn 213.857†	59006.7	49232.6	0.5244 mg/L	0.5244 mg/L	20:57:33

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2936143.0	1.19 mg/L	0.009			0.72%
Ag 328.068†	30051.9	0.2544 mg/L	0.00183	0.2544 mg/L	0.00183	0.72%
QC value within limits for Ag 328.068 Recovery = 101.78%						
Al 237.313†	19758.4	2.548 mg/L	0.0158	2.548 mg/L	0.0158	0.62%
QC value within limits for Al 237.313 Recovery = 101.93%						
As 188.979†	416.3	0.5213 mg/L	0.00584	0.5213 mg/L	0.00584	1.12%
QC value within limits for As 188.979 Recovery = 104.25%						
B 182.528†	271.3	0.5349 mg/L	0.00631	0.5349 mg/L	0.00631	1.18%
QC value within limits for B 182.528 Recovery = 106.97%						
B 249.677†	885.4	0.5171 mg/L	0.00371	0.5171 mg/L	0.00371	0.72%
QC value within limits for B 249.677 Recovery = 103.42%						
Ba 233.527†	37814.8	0.5211 mg/L	0.00332	0.5211 mg/L	0.00332	0.64%
QC value within limits for Ba 233.527 Recovery = 104.22%						
Be 313.107†	84085.3	0.0501 mg/L	0.00023	0.0501 mg/L	0.00023	0.46%
QC value within limits for Be 313.107 Recovery = 100.22%						
Ca 315.887†	524498.6	4.927 mg/L	0.1087	4.927 mg/L	0.1087	2.21%
QC value within limits for Ca 315.887 Recovery = 98.55%						
Cd 228.802†	7205.6	0.2529 mg/L	0.00173	0.2529 mg/L	0.00173	0.68%
QC value within limits for Cd 228.802 Recovery = 101.18%						
Co 228.616†	20648.3	0.5150 mg/L	0.00380	0.5150 mg/L	0.00380	0.74%
QC value within limits for Co 228.616 Recovery = 103.01%						
Cr 267.716†	45745.5	0.5012 mg/L	0.00409	0.5012 mg/L	0.00409	0.82%
QC value within limits for Cr 267.716 Recovery = 100.24%						
Cu 324.752†	90722.1	0.5079 mg/L	0.00168	0.5079 mg/L	0.00168	0.33%
QC value within limits for Cu 324.752 Recovery = 101.58%						
Fe 234.349†	3155.5	2.711 mg/L	0.0163	2.711 mg/L	0.0163	0.60%
QC value within limits for Fe 234.349 Recovery = 108.46%						
Fe 238.204†	299101.9	2.517 mg/L	0.0143	2.517 mg/L	0.0143	0.57%
QC value within limits for Fe 238.204 Recovery = 100.68%						
K 766.490†	44691.6	24.24 mg/L	0.110	24.24 mg/L	0.110	0.45%

	QC value within limits for K 766.490	Recovery = 96.94%					
Li	670.784†	15945.2	0.4931 mg/L	0.00152	0.4931 mg/L	0.00152	0.31%
	QC value within limits for Li 670.784	Recovery = 98.62%					
Mg	279.077†	58555.9	5.128 mg/L	0.0433	5.128 mg/L	0.0433	0.84%
	QC value within limits for Mg 279.077	Recovery = 102.57%					
Mn	257.610†	296734.3	0.5219 mg/L	0.00343	0.5219 mg/L	0.00343	0.66%
	QC value within limits for Mn 257.610	Recovery = 104.38%					
Mo	202.031†	9510.4	0.5056 mg/L	0.00394	0.5056 mg/L	0.00394	0.78%
	QC value within limits for Mo 202.031	Recovery = 101.12%					
Na	589.592†	149451.3	24.55 mg/L	0.069	24.55 mg/L	0.069	0.28%
	QC value within limits for Na 589.592	Recovery = 98.19%					
Ni	231.604†	15061.8	0.5308 mg/L	0.00390	0.5308 mg/L	0.00390	0.74%
	QC value within limits for Ni 231.604	Recovery = 106.16%					
P	214.914†	8478.9	5.066 mg/L	0.0430	5.066 mg/L	0.0430	0.85%
	QC value within limits for P 214.914	Recovery = 101.32%					
Pb	220.353†	5850.8	0.4993 mg/L	0.00398	0.4993 mg/L	0.00398	0.80%
	QC value within limits for Pb 220.353	Recovery = 99.86%					
Sb	206.836†	619.0	0.5194 mg/L	0.00404	0.5194 mg/L	0.00404	0.78%
	QC value within limits for Sb 206.836	Recovery = 103.88%					
Se	196.026†	1105.6	1.072 mg/L	0.0093	1.072 mg/L	0.0093	0.86%
	QC value within limits for Se 196.026	Recovery = 107.18%					
Sn	189.927†	2371.4	0.5414 mg/L	0.00783	0.5414 mg/L	0.00783	1.45%
	QC value within limits for Sn 189.927	Recovery = 108.28%					
Sr	407.771†	47971.3	0.0508 mg/L	0.00032	0.0508 mg/L	0.00032	0.63%
	QC value within limits for Sr 407.771	Recovery = 101.56%					
Ti	337.279†	343935.6	0.4846 mg/L	0.01056	0.4846 mg/L	0.01056	2.18%
	QC value within limits for Ti 337.279	Recovery = 96.93%					
Tl	190.801†	732.2	0.5017 mg/L	0.00308	0.5017 mg/L	0.00308	0.61%
	QC value within limits for Tl 190.801	Recovery = 100.34%					
V	292.402†	81117.6	0.5118 mg/L	0.00322	0.5118 mg/L	0.00322	0.63%
	QC value within limits for V 292.402	Recovery = 102.36%					
Zn	213.857†	48958.5	0.5214 mg/L	0.00414	0.5214 mg/L	0.00414	0.79%
	QC value within limits for Zn 213.857	Recovery = 104.29%					
All analyte(s) passed QC.							

Sequence No.: 74
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/6/2012 8:59:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Analysis Time
1	B 249.677†	8.6	2.6	0.0042	mg/L	0.0042 mg/L	21:01:19
1	Fe 234.349†	1.2	6.7	0.0242	mg/L	0.0242 mg/L	21:01:19
1	K 766.490†	327.1	89.2	0.2452	mg/L	0.2452 mg/L	21:01:09
1	Li 670.784†	-169.9	41.5	0.0019	mg/L	0.0019 mg/L	21:01:09
1	Na 589.592†	2971.8	2192.6	0.4599	mg/L	0.4599 mg/L	21:01:09
1	Sr 407.771†	204.4	30.2	0.0005	mg/L	0.0005 mg/L	21:01:09
1	Y 371.029	3141520.9	3141520.9	1.27	mg/L		21:01:43
1	Ag 328.068†	1359.9	-312.0	-0.0042	mg/L	-0.0042 mg/L	21:01:46
1	Al 237.313†	-115.5	36.4	-0.0031	mg/L	-0.0031 mg/L	21:01:56
1	As 188.979†	3.7	-0.1	0.0015	mg/L	0.0015 mg/L	21:01:56
1	B 182.528†	0.7	-2.1	0.0012	mg/L	0.0012 mg/L	21:01:56
1	Ba 233.527†	-32.5	28.8	-0.0015	mg/L	-0.0015 mg/L	21:01:56
1	Be 313.107†	-418.2	186.1	-0.0001	mg/L	-0.0001 mg/L	21:01:46
1	Ca 315.887†	419.8	179.2	-0.0145	mg/L	-0.0145 mg/L	21:01:46
1	Cd 228.802†	70.7	-7.1	-0.0003	mg/L	-0.0003 mg/L	21:01:56
1	Co 228.616†	-66.1	12.7	-0.0024	mg/L	-0.0024 mg/L	21:01:56
1	Cr 267.716†	406.4	-87.9	-0.0042	mg/L	-0.0042 mg/L	21:01:46
1	Cu 324.752†	1565.3	1.0	-0.0033	mg/L	-0.0033 mg/L	21:01:46
1	Fe 238.204†	485.0	225.7	-0.0098	mg/L	-0.0098 mg/L	21:01:56
1	Mg 279.077†	191.0	15.7	-0.0364	mg/L	-0.0364 mg/L	21:01:46
1	Mn 257.610†	538.8	-743.4	-0.0042	mg/L	-0.0042 mg/L	21:01:56
1	Mo 202.031†	25.4	-7.1	-0.0006	mg/L	-0.0006 mg/L	21:01:56
1	Ni 231.604†	-10.1	10.8	-0.0034	mg/L	-0.0034 mg/L	21:01:56
1	P 214.914†	339.3	-75.2	-0.0169	mg/L	-0.0169 mg/L	21:01:56
1	Pb 220.353†	36.7	-29.2	-0.0064	mg/L	-0.0064 mg/L	21:01:56
1	Sb 206.836†	33.8	-10.1	-0.0097	mg/L	-0.0097 mg/L	21:01:56
1	Se 196.026†	-2.4	-1.9	-0.0034	mg/L	-0.0034 mg/L	21:01:56

1	Sn 189.927†	-7.0	-8.4	-0.0045 mg/L	-0.0045 mg/L	21:01:56
1	Ti 337.279†	-250.2	261.8	-0.0017 mg/L	-0.0017 mg/L	21:01:46
1	Tl 190.801†	3.8	1.0	-0.0038 mg/L	-0.0038 mg/L	21:01:56
1	V 292.402†	-729.6	107.8	-0.0015 mg/L	-0.0015 mg/L	21:01:46
1	Zn 213.857†	998.3	-14.0	-0.0012 mg/L	-0.0012 mg/L	21:01:56
2	B 249.677†	6.2	0.8	0.0031 mg/L	0.0031 mg/L	21:01:40
2	Fe 234.349†	-9.0	-1.4	0.0173 mg/L	0.0173 mg/L	21:01:40
2	K 766.490†	348.7	108.0	0.2553 mg/L	0.2553 mg/L	21:01:30
2	Li 670.784†	-160.4	48.2	0.0021 mg/L	0.0021 mg/L	21:01:30
2	Na 589.592†	2926.1	2171.1	0.4564 mg/L	0.4564 mg/L	21:01:30
2	Sr 407.771†	249.1	66.7	0.0005 mg/L	0.0005 mg/L	21:01:30
2	Y 371.029	3121876.4	3121876.4	1.26 mg/L		21:01:58
2	Ag 328.068†	1342.0	-319.4	-0.0042 mg/L	-0.0042 mg/L	21:02:00
2	Al 237.313†	-150.6	8.0	-0.0068 mg/L	-0.0068 mg/L	21:02:11
2	As 188.979†	2.1	-1.3	0.0000 mg/L	0.0000 mg/L	21:02:11
2	B 182.528†	2.7	-0.5	0.0043 mg/L	0.0043 mg/L	21:02:11
2	Ba 233.527†	-38.3	24.0	-0.0016 mg/L	-0.0016 mg/L	21:02:11
2	Be 313.107†	-474.7	139.2	-0.0001 mg/L	-0.0001 mg/L	21:02:00
2	Ca 315.887†	669.1	379.2	-0.0127 mg/L	-0.0127 mg/L	21:02:00
2	Cd 228.802†	74.0	-4.1	-0.0002 mg/L	-0.0002 mg/L	21:02:11
2	Co 228.616†	-45.3	28.9	-0.0020 mg/L	-0.0020 mg/L	21:02:11
2	Cr 267.716†	435.4	-62.9	-0.0039 mg/L	-0.0039 mg/L	21:02:00
2	Cu 324.752†	1560.9	5.3	-0.0033 mg/L	-0.0033 mg/L	21:02:00
2	Fe 238.204†	443.4	195.1	-0.0101 mg/L	-0.0101 mg/L	21:02:11
2	Mg 279.077†	173.8	3.0	-0.0375 mg/L	-0.0375 mg/L	21:02:00
2	Mn 257.610†	587.0	-702.5	-0.0041 mg/L	-0.0041 mg/L	21:02:11
2	Mo 202.031†	47.9	10.9	0.0003 mg/L	0.0003 mg/L	21:02:11
2	Ni 231.604†	-5.3	14.6	-0.0033 mg/L	-0.0033 mg/L	21:02:11
2	P 214.914†	359.8	-57.2	-0.0062 mg/L	-0.0062 mg/L	21:02:11
2	Pb 220.353†	63.7	-7.6	-0.0045 mg/L	-0.0045 mg/L	21:02:11
2	Sb 206.836†	40.8	-4.5	-0.0049 mg/L	-0.0049 mg/L	21:02:11
2	Se 196.026†	5.9	4.6	0.0030 mg/L	0.0030 mg/L	21:02:11
2	Sn 189.927†	-8.0	-9.2	-0.0047 mg/L	-0.0047 mg/L	21:02:11
2	Ti 337.279†	-62.1	409.9	-0.0015 mg/L	-0.0015 mg/L	21:02:00
2	Tl 190.801†	2.8	0.2	-0.0043 mg/L	-0.0043 mg/L	21:02:11
2	V 292.402†	-723.5	109.0	-0.0015 mg/L	-0.0015 mg/L	21:02:00
2	Zn 213.857†	1027.9	14.4	-0.0009 mg/L	-0.0009 mg/L	21:02:11

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3131698.7	1.26 mg/L		0.006				0.44%
Ag 328.068†	-315.7	-0.0042 mg/L		0.00005	-0.0042 mg/L		0.00005	1.08%
	QC value less than the lower limit for Ag 328.068 Recovery = Not calculated							
Al 237.313†	22.2	-0.0049 mg/L		0.00259	-0.0049 mg/L		0.00259	52.57%
	QC value within limits for Al 237.313 Recovery = Not calculated							
As 188.979†	-0.7	0.0008 mg/L		0.00111	0.0008 mg/L		0.00111	147.24%
	QC value within limits for As 188.979 Recovery = Not calculated							
B 182.528†	-1.3	0.0028 mg/L		0.00219	0.0028 mg/L		0.00219	78.83%
	QC value within limits for B 182.528 Recovery = Not calculated							
B 249.677†	1.7	0.0036 mg/L		0.00076	0.0036 mg/L		0.00076	21.02%
	QC value within limits for B 249.677 Recovery = Not calculated							
Ba 233.527†	26.4	-0.0015 mg/L		0.00005	-0.0015 mg/L		0.00005	3.04%
	QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	162.7	-0.0001 mg/L		0.00002	-0.0001 mg/L		0.00002	30.03%
	QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 315.887†	279.2	-0.0136 mg/L		0.00133	-0.0136 mg/L		0.00133	9.78%
	QC value within limits for Ca 315.887 Recovery = Not calculated							
Cd 228.802†	-5.6	-0.0002 mg/L		0.00008	-0.0002 mg/L		0.00008	34.37%
	QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	20.8	-0.0022 mg/L		0.00029	-0.0022 mg/L		0.00029	13.01%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-75.4	-0.0040 mg/L		0.00020	-0.0040 mg/L		0.00020	4.84%
	QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	3.1	-0.0033 mg/L		0.00002	-0.0033 mg/L		0.00002	0.52%
	QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 234.349†	2.6	0.0208 mg/L		0.00488	0.0208 mg/L		0.00488	23.52%
	QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated							
Fe 238.204†	210.4	-0.0099 mg/L		0.00018	-0.0099 mg/L		0.00018	1.84%
	QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	98.6	0.2502 mg/L		0.00714	0.2502 mg/L		0.00714	2.85%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated							

1	Ti 337.279†	619862.1	522648.8	0.7375	mg/L	0.7375	mg/L	21:05:47
1	Tl 190.801†	1842.5	1550.2	1.037	mg/L	1.037	mg/L	21:05:57
1	V 292.402†	78869.5	67125.0	0.4113	mg/L	0.4113	mg/L	21:05:47
1	Zn 213.857†	164766.4	138002.8	1.479	mg/L	1.479	mg/L	21:05:47
2	B 249.677†	1048.0	878.7	0.5125	mg/L	0.5125	mg/L	21:05:38
2	Fe 234.349†	89157.0	75113.8	64.37	mg/L	64.37	mg/L	21:05:36
2	K 766.490†	26822.4	22427.1	12.26	mg/L	12.26	mg/L	21:05:38
2	Li 670.784†	1009.7	1026.1	0.0323	mg/L	0.0323	mg/L	21:05:38
2	Na 589.592†	11628.3	9645.4	1.679	mg/L	1.679	mg/L	21:05:38
2	Sr 407.771†	677734.6	570808.7	0.5993	mg/L	0.5993	mg/L	21:05:36
2	Y 371.029	2940333.0	2940333.0	1.19	mg/L			21:06:04
2	Ag 328.068†	29178.4	23196.4	0.2009	mg/L	0.2009	mg/L	21:06:04
2	Al 237.313†	335314.9	282604.7	36.48	mg/L	36.48	mg/L	21:06:04
2	As 188.979†	884.1	741.8	0.9535	mg/L	0.9535	mg/L	21:06:14
2	B 182.528†	336.7	281.0	0.5537	mg/L	0.5537	mg/L	21:06:14
2	Ba 233.527†	92295.4	77806.3	1.075	mg/L	1.075	mg/L	21:06:04
2	Be 313.107†	1092685.4	921019.9	0.5500	mg/L	0.5500	mg/L	21:06:04
2	Ca 315.887†	4505878.3	3795706.7	35.74	mg/L	35.74	mg/L	21:06:00
2	Cd 228.802†	16641.7	13956.5	0.4903	mg/L	0.4903	mg/L	21:06:14
2	Co 228.616†	32927.2	27803.5	0.6941	mg/L	0.6941	mg/L	21:06:14
2	Cr 267.716†	64098.1	53589.4	0.5873	mg/L	0.5873	mg/L	21:06:04
2	Cu 324.752†	116890.8	97238.3	0.5448	mg/L	0.5448	mg/L	21:06:04
2	Fe 238.204†	7764593.7	6540920.5	55.27	mg/L	55.27	mg/L	21:06:00
2	Mg 279.077†	188080.7	158308.7	13.93	mg/L	13.93	mg/L	21:06:04
2	Mn 257.610†	1165261.9	980476.0	1.731	mg/L	1.731	mg/L	21:06:04
2	Mo 202.031†	7193.2	6032.6	0.3010	mg/L	0.3010	mg/L	21:06:14
2	Ni 231.604†	12994.5	10965.7	0.3853	mg/L	0.3853	mg/L	21:06:14
2	P 214.914†	6191.7	4873.3	3.067	mg/L	3.067	mg/L	21:06:14
2	Pb 220.353†	5756.1	4790.9	0.3973	mg/L	0.3973	mg/L	21:06:14
2	Sb 206.836†	793.3	631.5	0.5025	mg/L	0.5025	mg/L	21:06:14
2	Se 196.026†	869.8	732.7	0.7364	mg/L	0.7364	mg/L	21:06:14
2	Sn 189.927†	4134.0	3479.7	0.9723	mg/L	0.9723	mg/L	21:06:14
2	Ti 337.279†	618644.0	521619.4	0.7361	mg/L	0.7361	mg/L	21:06:04
2	Tl 190.801†	1823.7	1534.4	1.026	mg/L	1.026	mg/L	21:06:14
2	V 292.402†	78242.5	66596.4	0.4081	mg/L	0.4081	mg/L	21:06:04
2	Zn 213.857†	162094.3	135750.9	1.455	mg/L	1.455	mg/L	21:06:04

Mean Data: CJ20516-BSD1

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		
	Intensity	Conc.			Units	Conc.	Units
Y 371.029	2940324.0	1.19	mg/L	0.000			0.00%
Ag 328.068†	23240.5	0.2013	mg/L	0.00057	0.2013	mg/L	0.28%
Al 237.313†	283430.6	36.59	mg/L	0.151	36.59	mg/L	0.41%
As 188.979†	745.6	0.9584	mg/L	0.00682	0.9584	mg/L	0.71%
B 182.528†	283.7	0.5590	mg/L	0.00751	0.5590	mg/L	1.34%
B 249.677†	865.0	0.5045	mg/L	0.01127	0.5045	mg/L	2.23%
Ba 233.527†	78276.8	1.081	mg/L	0.0092	1.081	mg/L	0.85%
Be 313.107†	927453.7	0.5539	mg/L	0.00544	0.5539	mg/L	0.98%
Ca 315.887†	3836366.4	36.13	mg/L	0.542	36.13	mg/L	1.50%
Cd 228.802†	14003.8	0.4920	mg/L	0.00234	0.4920	mg/L	0.48%
Co 228.616†	27950.0	0.6978	mg/L	0.00520	0.6978	mg/L	0.75%
Cr 267.716†	53817.5	0.5899	mg/L	0.00355	0.5899	mg/L	0.60%
Cu 324.752†	97247.3	0.5448	mg/L	0.00007	0.5448	mg/L	0.01%
Fe 234.349†	75563.1	64.75	mg/L	0.544	64.75	mg/L	0.84%
Fe 238.204†	6611063.6	55.86	mg/L	0.838	55.86	mg/L	1.50%
K 766.490†	22279.4	12.18	mg/L	0.112	12.18	mg/L	0.92%
Li 670.784†	993.2	0.0313	mg/L	0.00143	0.0313	mg/L	4.59%
Mg 279.077†	159667.5	14.05	mg/L	0.170	14.05	mg/L	1.21%
Mn 257.610†	985245.8	1.739	mg/L	0.0119	1.739	mg/L	0.69%
Mo 202.031†	6038.5	0.3012	mg/L	0.00028	0.3012	mg/L	0.09%
Na 589.592†	9628.5	1.676	mg/L	0.0039	1.676	mg/L	0.23%
Ni 231.604†	11052.5	0.3884	mg/L	0.00435	0.3884	mg/L	1.12%
P 214.914†	4922.4	3.097	mg/L	0.0426	3.097	mg/L	1.38%
Pb 220.353†	4809.4	0.3989	mg/L	0.00219	0.3989	mg/L	0.55%
Sb 206.836†	632.5	0.5032	mg/L	0.00093	0.5032	mg/L	0.18%
Se 196.026†	738.9	0.7427	mg/L	0.00880	0.7427	mg/L	1.18%
Sn 189.927†	3498.8	0.9777	mg/L	0.00769	0.9777	mg/L	0.79%
Sr 407.771†	572533.5	0.6011	mg/L	0.00256	0.6011	mg/L	0.43%
Ti 337.279†	522134.1	0.7368	mg/L	0.00103	0.7368	mg/L	0.14%
Tl 190.801†	1542.3	1.032	mg/L	0.0075	1.032	mg/L	0.73%
V 292.402†	66860.7	0.4097	mg/L	0.00226	0.4097	mg/L	0.55%
Zn 213.857†	136876.9	1.467	mg/L	0.0171	1.467	mg/L	1.17%

Sequence No.: 76
Sample ID: 1210124-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 10/6/2012 9:07:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210124-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	122.8	88.7	0.0541 mg/L	0.0541 mg/L	21:09:37
1	Fe 234.349†	309495.2	234111.8	200.7 mg/L	200.7 mg/L	21:09:35
1	K 766.490†	24246.4	18171.6	9.971 mg/L	9.971 mg/L	21:09:37
1	Li 670.784†	6844.0	5352.4	0.1659 mg/L	0.1659 mg/L	21:09:37
1	Na 589.592†	9660.6	7156.8	1.272 mg/L	1.272 mg/L	21:09:37
1	Sr 407.771†	204572.2	154610.0	0.1626 mg/L	0.1626 mg/L	21:09:35
1	Y 371.029	3274675.1	3274675.1	1.32 mg/L		21:09:51
1	Ag 328.068†	294.7	-1161.3	0.0041 mg/L	0.0041 mg/L	21:09:53
1	Al 237.313†	970912.3	734537.9	94.82 mg/L	94.82 mg/L	21:09:51
1	As 188.979†	132.5	97.2	0.2067 mg/L	0.2067 mg/L	21:10:03
1	B 182.528†	55.2	39.1	0.0816 mg/L	0.0816 mg/L	21:10:03
1	Ba 233.527†	84965.8	64323.6	0.8881 mg/L	0.8881 mg/L	21:09:53
1	Be 313.107†	19137.6	14991.8	0.0088 mg/L	0.0088 mg/L	21:09:53
1	Ca 315.887†	2271076.8	1717719.7	16.17 mg/L	16.17 mg/L	21:09:51
1	Cd 228.802†	605.6	395.3	0.0134 mg/L	0.0134 mg/L	21:10:03
1	Co 228.616†	4337.4	3345.8	0.0724 mg/L	0.0724 mg/L	21:10:03
1	Cr 267.716†	16363.9	11969.5	0.1286 mg/L	0.1286 mg/L	21:09:53
1	Cu 324.752†	374314.1	281902.7	1.588 mg/L	1.588 mg/L	21:09:51
1	Fe 238.204†	25268109.7	19112963.5	161.5 mg/L	161.5 mg/L	21:09:47
1	Mg 279.077†	414666.1	313523.8	27.63 mg/L	27.63 mg/L	21:09:51
1	Mn 257.610†	3206299.9	2424117.9	4.283 mg/L	4.283 mg/L	21:09:51
1	Mo 202.031†	437.9	304.1	-0.0476 mg/L	-0.0476 mg/L	21:09:53
1	Ni 231.604†	6216.9	4721.3	0.1636 mg/L	0.1636 mg/L	21:09:53
1	P 214.914†	12580.6	9173.4	5.929 mg/L	5.929 mg/L	21:10:03
1	Pb 220.353†	36205.4	27328.1	2.325 mg/L	2.325 mg/L	21:09:53
1	Sb 206.836†	94.4	34.6	-0.0609 mg/L	-0.0609 mg/L	21:10:03
1	Se 196.026†	-56.1	-42.5	0.0428 mg/L	0.0428 mg/L	21:10:03
1	Sn 189.927†	1055.0	795.2	0.7637 mg/L	0.7637 mg/L	21:10:03
1	Ti 337.279†	4242572.2	3209594.8	4.540 mg/L	4.540 mg/L	21:09:51
1	Tl 190.801†	6.1	2.6	-0.1237 mg/L	-0.1237 mg/L	21:10:03
1	V 292.402†	57209.0	43956.7	0.2324 mg/L	0.2324 mg/L	21:09:53
1	Zn 213.857†	221189.5	166509.4	1.785 mg/L	1.785 mg/L	21:09:53
2	B 249.677†	129.3	92.6	0.0563 mg/L	0.0563 mg/L	21:09:41
2	Fe 234.349†	309847.7	231876.5	198.8 mg/L	198.8 mg/L	21:09:39
2	K 766.490†	23854.8	17682.7	9.708 mg/L	9.708 mg/L	21:09:41
2	Li 670.784†	6716.3	5201.5	0.1613 mg/L	0.1613 mg/L	21:09:41
2	Na 589.592†	9554.2	6999.2	1.246 mg/L	1.246 mg/L	21:09:41
2	Sr 407.771†	204909.1	153210.2	0.1612 mg/L	0.1612 mg/L	21:09:39
2	Y 371.029	3310010.7	3310010.7	1.34 mg/L		21:10:10
2	Ag 328.068†	256.9	-1192.0	0.0037 mg/L	0.0037 mg/L	21:10:13
2	Al 237.313†	977688.1	731768.4	94.47 mg/L	94.47 mg/L	21:10:10
2	As 188.979†	132.7	96.3	0.2048 mg/L	0.2048 mg/L	21:10:23
2	B 182.528†	54.5	38.1	0.0797 mg/L	0.0797 mg/L	21:10:23
2	Ba 233.527†	85353.9	63928.0	0.8826 mg/L	0.8826 mg/L	21:10:13
2	Be 313.107†	19159.4	14853.6	0.0087 mg/L	0.0087 mg/L	21:10:13
2	Ca 315.887†	2277246.5	1703997.8	16.04 mg/L	16.04 mg/L	21:10:10
2	Cd 228.802†	591.4	379.8	0.0129 mg/L	0.0129 mg/L	21:10:23
2	Co 228.616†	4341.0	3313.4	0.0716 mg/L	0.0716 mg/L	21:10:23
2	Cr 267.716†	16362.2	11836.1	0.1272 mg/L	0.1272 mg/L	21:10:13
2	Cu 324.752†	377895.9	281560.5	1.586 mg/L	1.586 mg/L	21:10:10
2	Fe 238.204†	24744445.2	18517046.0	156.5 mg/L	156.5 mg/L	21:10:07
2	Mg 279.077†	415829.3	311045.9	27.41 mg/L	27.41 mg/L	21:10:10
2	Mn 257.610†	3223179.4	2410858.6	4.260 mg/L	4.260 mg/L	21:10:10
2	Mo 202.031†	497.7	345.4	-0.0448 mg/L	-0.0448 mg/L	21:10:13
2	Ni 231.604†	6218.1	4672.0	0.1618 mg/L	0.1618 mg/L	21:10:13
2	P 214.914†	12481.7	8997.8	5.820 mg/L	5.820 mg/L	21:10:23
2	Pb 220.353†	36305.6	27110.7	2.307 mg/L	2.307 mg/L	21:10:13
2	Sb 206.836†	94.3	33.7	-0.0607 mg/L	-0.0607 mg/L	21:10:23
2	Se 196.026†	-57.4	-43.0	0.0415 mg/L	0.0415 mg/L	21:10:23
2	Sn 189.927†	1046.4	780.2	0.7547 mg/L	0.7547 mg/L	21:10:23
2	Ti 337.279†	4279616.2	3203057.5	4.530 mg/L	4.530 mg/L	21:10:10

2	Tl 190.801†	5.9	2.4	-0.1228 mg/L	-0.1228 mg/L	21:10:23
2	V 292.402†	57365.5	43611.8	0.2306 mg/L	0.2306 mg/L	21:10:13
2	Zn 213.857†	221785.8	165169.5	1.771 mg/L	1.771 mg/L	21:10:13

Mean Data: 1210124-01

Analyte	Mean Corrected Intensity	Conc. Units	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3292342.9	1.33 mg/L		0.010			0.76%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 132.9%							
Ag 328.068†	-1176.7	0.0039 mg/L		0.00029	0.0039 mg/L	0.00029	7.43%
Al 237.313†	733153.2	94.64 mg/L		0.253	94.64 mg/L	0.253	0.27%
As 188.979†	96.7	0.2058 mg/L		0.00139	0.2058 mg/L	0.00139	0.68%
B 182.528†	38.6	0.0807 mg/L		0.00134	0.0807 mg/L	0.00134	1.66%
B 249.677†	90.7	0.0552 mg/L		0.00159	0.0552 mg/L	0.00159	2.88%
Ba 233.527†	64125.8	0.8853 mg/L		0.00387	0.8853 mg/L	0.00387	0.44%
Be 313.107†	14922.7	0.0088 mg/L		0.00006	0.0088 mg/L	0.00006	0.67%
Ca 315.887†	1710858.8	16.10 mg/L		0.091	16.10 mg/L	0.091	0.57%
Cd 228.802†	387.5	0.0131 mg/L		0.00039	0.0131 mg/L	0.00039	2.93%
Co 228.616†	3329.6	0.0720 mg/L		0.00056	0.0720 mg/L	0.00056	0.78%
Cr 267.716†	11902.8	0.1279 mg/L		0.00104	0.1279 mg/L	0.00104	0.81%
Cu 324.752†	281731.6	1.587 mg/L		0.0014	1.587 mg/L	0.0014	0.09%
Fe 234.349†	232994.2	199.7 mg/L		1.35	199.7 mg/L	1.35	0.68%
Fe 238.204†	18815004.7	159.0 mg/L		3.56	159.0 mg/L	3.56	2.24%
K 766.490†	17927.2	9.840 mg/L		0.1859	9.840 mg/L	0.1859	1.89%
Li 670.784†	5277.0	0.1636 mg/L		0.00329	0.1636 mg/L	0.00329	2.01%
Mg 279.077†	312284.8	27.52 mg/L		0.155	27.52 mg/L	0.155	0.56%
Mn 257.610†	2417488.3	4.271 mg/L		0.0166	4.271 mg/L	0.0166	0.39%
Mo 202.031†	324.7	-0.0462 mg/L		0.00198	-0.0462 mg/L	0.00198	4.29%
Na 589.592†	7078.0	1.259 mg/L		0.0182	1.259 mg/L	0.0182	1.45%
Ni 231.604†	4696.7	0.1627 mg/L		0.00123	0.1627 mg/L	0.00123	0.76%
P 214.914†	9085.6	5.874 mg/L		0.0770	5.874 mg/L	0.0770	1.31%
Pb 220.353†	27219.4	2.316 mg/L		0.0132	2.316 mg/L	0.0132	0.57%
Sb 206.836†	34.2	-0.0608 mg/L		0.00009	-0.0608 mg/L	0.00009	0.15%
Se 196.026†	-42.8	0.0421 mg/L		0.00091	0.0421 mg/L	0.00091	2.17%
Sn 189.927†	787.7	0.7592 mg/L		0.00636	0.7592 mg/L	0.00636	0.84%
Sr 407.771†	153910.1	0.1619 mg/L		0.00104	0.1619 mg/L	0.00104	0.64%
Ti 337.279†	3206326.1	4.535 mg/L		0.0065	4.535 mg/L	0.0065	0.14%
Tl 190.801†	2.5	-0.1232 mg/L		0.00069	-0.1232 mg/L	0.00069	0.56%
V 292.402†	43784.3	0.2315 mg/L		0.00126	0.2315 mg/L	0.00126	0.54%
Zn 213.857†	165839.5	1.778 mg/L		0.0102	1.778 mg/L	0.0102	0.57%
Internal Standard Check failed. Continue with analysis.							

Sequence No.: 77

Sample ID: 1210124-02

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 71

Date Collected: 10/6/2012 9:12:02 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210124-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	146.3	117.8	0.0710 mg/L		0.0710 mg/L	21:13:42
1	Fe 234.349†	310711.2	259036.5	221.9 mg/L		221.9 mg/L	21:13:40
1	K 766.490†	25268.9	20897.2	11.44 mg/L		11.44 mg/L	21:13:42
1	Li 670.784†	9043.1	7714.5	0.2389 mg/L		0.2389 mg/L	21:13:42
1	Na 589.592†	14502.7	11939.9	2.054 mg/L		2.054 mg/L	21:13:42
1	Sr 407.771†	613543.6	511362.2	0.5369 mg/L		0.5369 mg/L	21:13:40
1	Y 371.029	2971205.7	2971205.7	1.20 mg/L			21:13:57
1	Ag 328.068†	-237.8	-1582.4	0.0022 mg/L		0.0022 mg/L	21:13:57
1	Al 237.313†	1020808.2	851145.0	109.9 mg/L		109.9 mg/L	21:13:57
1	As 188.979†	81.0	64.6	0.1750 mg/L		0.1750 mg/L	21:14:07
1	B 182.528†	39.2	30.1	0.0640 mg/L		0.0640 mg/L	21:14:07
1	Ba 233.527†	80156.4	66878.5	0.9234 mg/L		0.9234 mg/L	21:13:57
1	Be 313.107†	11136.8	9800.3	0.0057 mg/L		0.0057 mg/L	21:13:57
1	Ca 315.887†	24304254.0	20261583.4	190.9 mg/L		190.9 mg/L	21:13:53
1	Cd 228.802†	409.8	278.8	0.0095 mg/L		0.0095 mg/L	21:14:07
1	Co 228.616†	3650.9	3108.5	0.0683 mg/L		0.0683 mg/L	21:14:07
1	Cr 267.716†	40543.4	33391.5	0.3645 mg/L		0.3645 mg/L	21:13:57
1	Cu 324.752†	202415.4	167514.5	0.9428 mg/L		0.9428 mg/L	21:13:57
1	Fe 238.204†	24561143.6	20475739.6	173.0 mg/L		173.0 mg/L	21:13:53

1	Mg	279.077†	519049.1	432580.9	38.12	mg/L	38.12	mg/L	21:13:57
1	Mn	257.610†	2164756.5	1803525.0	3.186	mg/L	3.186	mg/L	21:13:57
1	Mo	202.031†	525.0	410.6	-0.0481	mg/L	-0.0481	mg/L	21:14:07
1	Ni	231.604†	6439.1	5386.9	0.1871	mg/L	0.1871	mg/L	21:14:07
1	P	214.914†	14851.7	12038.7	7.696	mg/L	7.696	mg/L	21:14:07
1	Pb	220.353†	62327.5	51902.5	4.441	mg/L	4.441	mg/L	21:13:57
1	Sb	206.836†	330.5	238.7	0.1016	mg/L	0.1016	mg/L	21:14:07
1	Se	196.026†	-72.0	-60.1	0.0348	mg/L	0.0348	mg/L	21:14:07
1	Sn	189.927†	713.6	592.1	0.7803	mg/L	0.7803	mg/L	21:14:07
1	Ti	337.279†	3031627.1	2527836.7	3.575	mg/L	3.575	mg/L	21:13:57
1	Tl	190.801†	23.6	17.7	-0.1240	mg/L	-0.1240	mg/L	21:14:07
1	V	292.402†	53764.6	45505.0	0.2403	mg/L	0.2403	mg/L	21:13:57
1	Zn	213.857†	318194.0	264467.8	2.840	mg/L	2.840	mg/L	21:13:57
2	B	249.677†	123.6	98.4	0.0597	mg/L	0.0597	mg/L	21:13:47
2	Fe	234.349†	314406.3	260950.5	223.5	mg/L	223.5	mg/L	21:13:45
2	K	766.490†	24974.8	20559.4	11.26	mg/L	11.26	mg/L	21:13:47
2	Li	670.784†	8938.7	7594.3	0.2352	mg/L	0.2352	mg/L	21:13:47
2	Na	589.592†	14257.7	11682.7	2.012	mg/L	2.012	mg/L	21:13:47
2	Sr	407.771†	619405.6	513951.1	0.5396	mg/L	0.5396	mg/L	21:13:45
2	Y	371.029	2984487.4	2984487.4	1.20	mg/L	1.20	mg/L	21:14:15
2	Ag	328.068†	-312.5	-1643.6	0.0018	mg/L	0.0018	mg/L	21:14:15
2	Al	237.313†	1026197.1	851830.3	110.0	mg/L	110.0	mg/L	21:14:15
2	As	188.979†	82.0	65.1	0.1763	mg/L	0.1763	mg/L	21:14:25
2	B	182.528†	26.6	19.5	0.0433	mg/L	0.0433	mg/L	21:14:25
2	Ba	233.527†	80479.6	66849.3	0.9230	mg/L	0.9230	mg/L	21:14:15
2	Be	313.107†	11233.2	9839.0	0.0058	mg/L	0.0058	mg/L	21:14:15
2	Ca	315.887†	24371519.5	20227241.4	190.5	mg/L	190.5	mg/L	21:14:12
2	Cd	228.802†	411.5	278.7	0.0095	mg/L	0.0095	mg/L	21:14:25
2	Co	228.616†	3640.8	3086.6	0.0678	mg/L	0.0678	mg/L	21:14:25
2	Cr	267.716†	40677.3	33352.2	0.3641	mg/L	0.3641	mg/L	21:14:15
2	Cu	324.752†	203659.7	167796.2	0.9443	mg/L	0.9443	mg/L	21:14:15
2	Fe	238.204†	24614890.1	20429224.4	172.7	mg/L	172.7	mg/L	21:14:12
2	Mg	279.077†	521508.7	432696.6	38.13	mg/L	38.13	mg/L	21:14:15
2	Mn	257.610†	2176526.0	1805261.9	3.189	mg/L	3.189	mg/L	21:14:15
2	Mo	202.031†	543.5	424.0	-0.0479	mg/L	-0.0479	mg/L	21:14:25
2	Ni	231.604†	6378.3	5312.5	0.1845	mg/L	0.1845	mg/L	21:14:25
2	P	214.914†	14730.4	11882.9	7.607	mg/L	7.607	mg/L	21:14:25
2	Pb	220.353†	62678.1	51962.2	4.446	mg/L	4.446	mg/L	21:14:15
2	Sb	206.836†	321.3	229.8	0.0934	mg/L	0.0934	mg/L	21:14:25
2	Se	196.026†	-78.5	-65.2	0.0305	mg/L	0.0305	mg/L	21:14:25
2	Sn	189.927†	692.3	571.7	0.7805	mg/L	0.7805	mg/L	21:14:25
2	Ti	337.279†	3047668.6	2529903.0	3.578	mg/L	3.578	mg/L	21:14:15
2	Tl	190.801†	19.6	14.3	-0.1273	mg/L	-0.1273	mg/L	21:14:25
2	V	292.402†	54224.5	45687.2	0.2412	mg/L	0.2412	mg/L	21:14:15
2	Zn	213.857†	320117.3	264883.5	2.844	mg/L	2.844	mg/L	21:14:15

Mean Data: 1210124-02

Analyte	Mean Corrected Intensity	Conc.	Units	Calib	Std.Dev.	Conc.	Units	Sample Std.Dev.	RSD
Y 371.029	2977846.5	1.20	mg/L		0.004				0.32%
Ag 328.068†	-1613.0	0.0020	mg/L		0.00028	0.0020	mg/L	0.00028	14.17%
Al 237.313†	851487.6	109.9	mg/L		0.06	109.9	mg/L	0.06	0.06%
As 188.979†	64.8	0.1756	mg/L		0.00096	0.1756	mg/L	0.00096	0.54%
B 182.528†	24.8	0.0537	mg/L		0.01465	0.0537	mg/L	0.01465	27.30%
B 249.677†	108.1	0.0654	mg/L		0.00795	0.0654	mg/L	0.00795	12.16%
Ba 233.527†	66863.9	0.9232	mg/L		0.00029	0.9232	mg/L	0.00029	0.03%
Be 313.107†	9819.6	0.0057	mg/L		0.00002	0.0057	mg/L	0.00002	0.28%
Ca 315.887†	20244412.4	190.7	mg/L		0.23	190.7	mg/L	0.23	0.12%
Cd 228.802†	278.7	0.0095	mg/L		0.00000	0.0095	mg/L	0.00000	0.04%
Co 228.616†	3097.6	0.0680	mg/L		0.00039	0.0680	mg/L	0.00039	0.58%
Cr 267.716†	33371.9	0.3643	mg/L		0.00031	0.3643	mg/L	0.00031	0.08%
Cu 324.752†	167655.4	0.9435	mg/L		0.00112	0.9435	mg/L	0.00112	0.12%
Fe 234.349†	259993.5	222.7	mg/L		1.16	222.7	mg/L	1.16	0.52%
Fe 238.204†	20452482.0	172.9	mg/L		0.28	172.9	mg/L	0.28	0.16%
K 766.490†	20728.3	11.35	mg/L		0.128	11.35	mg/L	0.128	1.13%
Li 670.784†	7654.4	0.2370	mg/L		0.00263	0.2370	mg/L	0.00263	1.11%
Mg 279.077†	432638.8	38.13	mg/L		0.007	38.13	mg/L	0.007	0.02%
Mn 257.610†	1804393.4	3.187	mg/L		0.0022	3.187	mg/L	0.0022	0.07%
Mo 202.031†	417.3	-0.0480	mg/L		0.00014	-0.0480	mg/L	0.00014	0.30%
Na 589.592†	11811.3	2.033	mg/L		0.0297	2.033	mg/L	0.0297	1.46%
Ni 231.604†	5349.7	0.1858	mg/L		0.00186	0.1858	mg/L	0.00186	1.00%
P 214.914†	11960.8	7.651	mg/L		0.0628	7.651	mg/L	0.0628	0.82%

Pb 220.353†	51932.3	4.444 mg/L	0.0036	4.444 mg/L	0.0036	0.08%
Sb 206.836†	234.3	0.0975 mg/L	0.00580	0.0975 mg/L	0.00580	5.95%
Se 196.026†	-62.7	0.0327 mg/L	0.00302	0.0327 mg/L	0.00302	9.23%
Sn 189.927†	581.9	0.7804 mg/L	0.00013	0.7804 mg/L	0.00013	0.02%
Sr 407.771†	512656.6	0.5383 mg/L	0.00192	0.5383 mg/L	0.00192	0.36%
Ti 337.279†	2528869.9	3.576 mg/L	0.0021	3.576 mg/L	0.0021	0.06%
Tl 190.801†	16.0	-0.1256 mg/L	0.00235	-0.1256 mg/L	0.00235	1.87%
V 292.402†	45596.1	0.2408 mg/L	0.00059	0.2408 mg/L	0.00059	0.24%
Zn 213.857†	264675.6	2.842 mg/L	0.0032	2.842 mg/L	0.0032	0.11%

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Sequence No.: 78                               Autosampler Location: 72
Sample ID: 1210124-03                         Date Collected: 10/6/2012 9:16:02 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: 1210124-03							
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time	
1	B 249.677†	146.8	113.0	0.0682 mg/L	0.0682 mg/L	21:17:44	
1	Fe 234.349†	547318.3	437019.4	374.5 mg/L	374.5 mg/L	21:17:42	
1	K 766.490†	25127.7	19894.9	10.90 mg/L	10.90 mg/L	21:17:44	
1	Li 670.784†	6993.7	5759.6	0.1785 mg/L	0.1785 mg/L	21:17:44	
1	Na 589.592†	28975.4	22985.2	3.861 mg/L	3.861 mg/L	21:17:44	
1	Sr 407.771†	591477.1	472141.9	0.4958 mg/L	0.4958 mg/L	21:17:42	
1	Y 371.029	3102216.2	3102216.2	1.25 mg/L		21:17:58	
1	Ag 328.068†	5492.9	3001.7	0.0529 mg/L	0.0529 mg/L	21:18:01	
1	Al 237.313†	1090600.6	870932.1	112.4 mg/L	112.4 mg/L	21:17:58	
1	As 188.979†	166.2	129.7	0.3200 mg/L	0.3200 mg/L	21:18:11	
1	B 182.528†	53.6	40.2	0.0838 mg/L	0.0838 mg/L	21:18:11	
1	Ba 233.527†	388525.8	310278.0	4.292 mg/L	4.292 mg/L	21:18:01	
1	Be 313.107†	13804.3	11538.0	0.0068 mg/L	0.0068 mg/L	21:18:01	
1	Ca 315.887†	11160537.0	8911128.2	83.93 mg/L	83.93 mg/L	21:17:55	
1	Cd 228.802†	1650.4	1255.0	0.0437 mg/L	0.0437 mg/L	21:18:11	
1	Co 228.616†	5426.5	4397.8	0.0992 mg/L	0.0992 mg/L	21:18:11	
1	Cr 267.716†	50756.0	40118.4	0.4386 mg/L	0.4386 mg/L	21:18:01	
1	Cu 324.752†	1155561.3	921440.1	5.189 mg/L	5.189 mg/L	21:17:58	
1	Fe 238.204†	36771071.2	29360196.8	248.1 mg/L	248.1 mg/L	21:17:55	
1	Mg 279.077†	474923.0	379073.7	33.41 mg/L	33.41 mg/L	21:18:01	
1	Mn 257.610†	3604284.3	2876720.8	5.083 mg/L	5.083 mg/L	21:17:58	
1	Mo 202.031†	919.7	707.3	-0.0827 mg/L	-0.0827 mg/L	21:18:01	
1	Ni 231.604†	19423.4	15527.7	0.5465 mg/L	0.5465 mg/L	21:18:01	
1	P 214.914†	34607.3	27289.9	17.05 mg/L	17.05 mg/L	21:18:11	
1	Pb 220.353†	214182.9	170959.1	14.70 mg/L	14.70 mg/L	21:18:01	
1	Sb 206.836†	160.6	91.4	-0.0901 mg/L	-0.0901 mg/L	21:18:11	
1	Se 196.026†	-113.9	-91.0	0.0698 mg/L	0.0698 mg/L	21:18:11	
1	Sn 189.927†	5290.2	4221.1	2.047 mg/L	2.047 mg/L	21:18:11	
1	Ti 337.279†	3833805.5	3061612.4	4.330 mg/L	4.330 mg/L	21:17:58	
1	Tl 190.801†	4.7	1.7	-0.2232 mg/L	-0.2232 mg/L	21:18:11	
1	V 292.402†	90985.4	73331.6	0.3858 mg/L	0.3858 mg/L	21:18:01	
1	Zn 213.857†	1033701.6	824571.7	8.852 mg/L	8.852 mg/L	21:17:58	
2	B 249.677†	157.6	120.9	0.0728 mg/L	0.0728 mg/L	21:17:48	
2	Fe 234.349†	534309.2	424164.0	363.5 mg/L	363.5 mg/L	21:17:46	
2	K 766.490†	25183.0	19822.7	10.86 mg/L	10.86 mg/L	21:17:48	
2	Li 670.784†	7062.9	5782.3	0.1792 mg/L	0.1792 mg/L	21:17:48	
2	Na 589.592†	29111.6	22959.5	3.857 mg/L	3.857 mg/L	21:17:48	
2	Sr 407.771†	577651.6	458434.5	0.4814 mg/L	0.4814 mg/L	21:17:46	
2	Y 371.029	3120266.9	3120266.9	1.26 mg/L		21:18:19	
2	Ag 328.068†	5505.6	2986.4	0.0520 mg/L	0.0520 mg/L	21:18:21	
2	Al 237.313†	1098544.0	872200.3	112.6 mg/L	112.6 mg/L	21:18:19	
2	As 188.979†	167.7	130.1	0.3159 mg/L	0.3159 mg/L	21:18:32	
2	B 182.528†	56.3	42.0	0.0874 mg/L	0.0874 mg/L	21:18:32	
2	Ba 233.527†	389230.0	309042.4	4.274 mg/L	4.274 mg/L	21:18:21	
2	Be 313.107†	13679.6	11375.3	0.0067 mg/L	0.0067 mg/L	21:18:21	
2	Ca 315.887†	11263457.6	8941279.4	84.22 mg/L	84.22 mg/L	21:18:16	
2	Cd 228.802†	1680.4	1271.2	0.0443 mg/L	0.0443 mg/L	21:18:32	
2	Co 228.616†	5502.8	4433.2	0.1001 mg/L	0.1001 mg/L	21:18:32	
2	Cr 267.716†	50796.0	39915.8	0.4364 mg/L	0.4364 mg/L	21:18:21	
2	Cu 324.752†	1163975.5	922782.0	5.196 mg/L	5.196 mg/L	21:18:19	
2	Fe 238.204†	37004003.8	29375259.3	248.3 mg/L	248.3 mg/L	21:18:16	
2	Mg 279.077†	475791.2	377569.2	33.28 mg/L	33.28 mg/L	21:18:21	

2	Mn 257.610†	3627672.3	2878638.6	5.087 mg/L	5.087 mg/L	21:18:19
2	Mo 202.031†	822.6	625.9	-0.0836 mg/L	-0.0836 mg/L	21:18:21
2	Ni 231.604†	19437.4	15449.1	0.5437 mg/L	0.5437 mg/L	21:18:21
2	P 214.914†	35321.8	27697.3	17.27 mg/L	17.27 mg/L	21:18:32
2	Pb 220.353†	214624.2	170320.0	14.65 mg/L	14.65 mg/L	21:18:21
2	Sb 206.836†	142.3	76.1	-0.0981 mg/L	-0.0981 mg/L	21:18:32
2	Se 196.026†	-111.3	-88.4	0.0677 mg/L	0.0677 mg/L	21:18:32
2	Sn 189.927†	5370.2	4260.3	2.023 mg/L	2.023 mg/L	21:18:32
2	Ti 337.279†	3860702.7	3065255.8	4.335 mg/L	4.335 mg/L	21:18:19
2	Tl 190.801†	5.9	2.7	-0.2163 mg/L	-0.2163 mg/L	21:18:32
2	V 292.402†	90879.7	72827.4	0.3846 mg/L	0.3846 mg/L	21:18:21
2	Zn 213.857†	1040460.5	825162.5	8.858 mg/L	8.858 mg/L	21:18:19

Mean Data: 1210124-03

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3111241.5	1.26 mg/L		0.005			0.41%
Ag 328.068†	2994.0	0.0524 mg/L		0.00069	0.0524 mg/L	0.00069	1.32%
Al 237.313†	871566.2	112.5 mg/L		0.12	112.5 mg/L	0.12	0.10%
As 188.979†	129.9	0.3180 mg/L		0.00292	0.3180 mg/L	0.00292	0.92%
B 182.528†	41.1	0.0856 mg/L		0.00257	0.0856 mg/L	0.00257	3.00%
B 249.677†	117.0	0.0705 mg/L		0.00324	0.0705 mg/L	0.00324	4.60%
Ba 233.527†	309660.2	4.283 mg/L		0.0121	4.283 mg/L	0.0121	0.28%
Be 313.107†	11456.7	0.0067 mg/L		0.00007	0.0067 mg/L	0.00007	1.02%
Ca 315.887†	8926203.8	84.07 mg/L		0.201	84.07 mg/L	0.201	0.24%
Cd 228.802†	1263.1	0.0440 mg/L		0.00040	0.0440 mg/L	0.00040	0.92%
Co 228.616†	4415.5	0.0996 mg/L		0.00062	0.0996 mg/L	0.00062	0.62%
Cr 267.716†	40017.1	0.4375 mg/L		0.00158	0.4375 mg/L	0.00158	0.36%
Cu 324.752†	922111.1	5.192 mg/L		0.0053	5.192 mg/L	0.0053	0.10%
Fe 234.349†	430591.7	369.0 mg/L		7.79	369.0 mg/L	7.79	2.11%
Fe 238.204†	29367728.1	248.2 mg/L		0.09	248.2 mg/L	0.09	0.04%
K 766.490†	19858.8	10.88 mg/L		0.027	10.88 mg/L	0.027	0.25%
Li 670.784†	5771.0	0.1788 mg/L		0.00049	0.1788 mg/L	0.00049	0.28%
Mg 279.077†	378321.5	33.35 mg/L		0.094	33.35 mg/L	0.094	0.28%
Mn 257.610†	2877679.7	5.085 mg/L		0.0024	5.085 mg/L	0.0024	0.05%
Mo 202.031†	666.6	-0.0831 mg/L		0.00065	-0.0831 mg/L	0.00065	0.78%
Na 589.592†	22972.4	3.859 mg/L		0.0030	3.859 mg/L	0.0030	0.08%
Ni 231.604†	15488.4	0.5451 mg/L		0.00197	0.5451 mg/L	0.00197	0.36%
P 214.914†	27493.6	17.16 mg/L		0.153	17.16 mg/L	0.153	0.89%
Pb 220.353†	170639.6	14.68 mg/L		0.039	14.68 mg/L	0.039	0.27%
Sb 206.836†	83.8	-0.0941 mg/L		0.00566	-0.0941 mg/L	0.00566	6.02%
Se 196.026†	-89.7	0.0687 mg/L		0.00153	0.0687 mg/L	0.00153	2.22%
Sn 189.927†	4240.7	2.035 mg/L		0.0165	2.035 mg/L	0.0165	0.81%
Sr 407.771†	465288.2	0.4886 mg/L		0.01017	0.4886 mg/L	0.01017	2.08%
Ti 337.279†	3063434.1	4.333 mg/L		0.0036	4.333 mg/L	0.0036	0.08%
Tl 190.801†	2.2	-0.2197 mg/L		0.00490	-0.2197 mg/L	0.00490	2.23%
V 292.402†	73079.5	0.3852 mg/L		0.00080	0.3852 mg/L	0.00080	0.21%
Zn 213.857†	824867.1	8.855 mg/L		0.0045	8.855 mg/L	0.0045	0.05%

Sequence No.: 79

Sample ID: 1210124-04

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 73

Date Collected: 10/6/2012 9:20:08 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210124-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	59.7	43.7	0.0279 mg/L	0.0279 mg/L	21:21:51
1	Fe 234.349†	342819.6	275128.4	235.8 mg/L	235.8 mg/L	21:21:48
1	K 766.490†	19687.7	15631.3	8.605 mg/L	8.605 mg/L	21:21:51
1	Li 670.784†	8287.2	6826.2	0.2114 mg/L	0.2114 mg/L	21:21:51
1	Na 589.592†	11319.3	8933.5	1.563 mg/L	1.563 mg/L	21:21:51
1	Sr 407.771†	383575.1	307699.1	0.3232 mg/L	0.3232 mg/L	21:21:48
1	Y 371.029	3086500.6	3086500.6	1.25 mg/L		21:22:05
1	Ag 328.068†	195.8	-1227.1	0.0063 mg/L	0.0063 mg/L	21:22:05
1	Al 237.313†	926833.8	743938.4	96.04 mg/L	96.04 mg/L	21:22:05
1	As 188.979†	86.9	66.8	0.1834 mg/L	0.1834 mg/L	21:22:16
1	B 182.528†	27.9	19.8	0.0439 mg/L	0.0439 mg/L	21:22:16
1	Ba 233.527†	150070.4	120490.3	1.665 mg/L	1.665 mg/L	21:22:05

1	Be	313.107†	11418.5	9679.5	0.0056	mg/L	0.0056	mg/L	21:22:05
1	Ca	315.887†	9113301.5	7313536.2	68.88	mg/L	68.88	mg/L	21:22:02
1	Cd	228.802†	457.0	303.9	0.0103	mg/L	0.0103	mg/L	21:22:16
1	Co	228.616†	4004.7	3278.7	0.0723	mg/L	0.0723	mg/L	21:22:16
1	Cr	267.716†	30116.8	23761.2	0.2585	mg/L	0.2585	mg/L	21:22:05
1	Cu	324.752†	245909.9	196116.6	1.104	mg/L	1.104	mg/L	21:22:05
1	Fe	238.204†	25146561.7	20180686.1	170.6	mg/L	170.6	mg/L	21:22:02
1	Mg	279.077†	428049.9	343387.5	30.26	mg/L	30.26	mg/L	21:22:05
1	Mn	257.610†	2394043.5	1920120.9	3.392	mg/L	3.392	mg/L	21:22:05
1	Mo	202.031†	490.3	366.3	-0.0548	mg/L	-0.0548	mg/L	21:22:16
1	Ni	231.604†	7273.3	5855.8	0.2038	mg/L	0.2038	mg/L	21:22:16
1	P	214.914†	15869.6	12393.1	7.936	mg/L	7.936	mg/L	21:22:16
1	Pb	220.353†	105362.3	84498.2	7.257	mg/L	7.257	mg/L	21:22:05
1	Sb	206.836†	104.4	47.0	-0.0660	mg/L	-0.0660	mg/L	21:22:16
1	Se	196.026†	-69.7	-56.0	0.0446	mg/L	0.0446	mg/L	21:22:16
1	Sn	189.927†	668.3	533.5	0.8073	mg/L	0.8073	mg/L	21:22:16
1	Ti	337.279†	3258251.4	2615300.1	3.699	mg/L	3.699	mg/L	21:22:05
1	Tl	190.801†	26.2	19.0	-0.1312	mg/L	-0.1312	mg/L	21:22:16
1	V	292.402†	64789.4	52678.4	0.2819	mg/L	0.2819	mg/L	21:22:05
1	Zn	213.857†	446372.7	357425.8	3.839	mg/L	3.839	mg/L	21:22:05
2	B	249.677†	73.9	54.3	0.0340	mg/L	0.0340	mg/L	21:21:55
2	Fe	234.349†	338369.2	267803.3	229.5	mg/L	229.5	mg/L	21:21:53
2	K	766.490†	19459.1	15231.9	8.390	mg/L	8.390	mg/L	21:21:55
2	Li	670.784†	8114.7	6597.7	0.2044	mg/L	0.2044	mg/L	21:21:55
2	Na	589.592†	11237.1	8742.8	1.531	mg/L	1.531	mg/L	21:21:55
2	Sr	407.771†	379083.4	299889.3	0.3151	mg/L	0.3151	mg/L	21:21:53
2	Y	371.029	3129761.0	3129761.0	1.26	mg/L	1.26	mg/L	21:22:24
2	Ag	328.068†	134.2	-1278.0	0.0053	mg/L	0.0053	mg/L	21:22:24
2	Al	237.313†	940357.0	744360.0	96.09	mg/L	96.09	mg/L	21:22:24
2	As	188.979†	85.8	64.9	0.1785	mg/L	0.1785	mg/L	21:22:34
2	B	182.528†	34.0	24.2	0.0527	mg/L	0.0527	mg/L	21:22:34
2	Ba	233.527†	152536.4	120777.2	1.669	mg/L	1.669	mg/L	21:22:24
2	Be	313.107†	11535.4	9645.3	0.0056	mg/L	0.0056	mg/L	21:22:24
2	Ca	315.887†	9233121.7	7307274.6	68.82	mg/L	68.82	mg/L	21:22:20
2	Cd	228.802†	450.0	293.4	0.0100	mg/L	0.0100	mg/L	21:22:34
2	Co	228.616†	4085.3	3298.1	0.0728	mg/L	0.0728	mg/L	21:22:34
2	Cr	267.716†	30747.3	23926.2	0.2603	mg/L	0.2603	mg/L	21:22:24
2	Cu	324.752†	249655.2	196352.9	1.105	mg/L	1.105	mg/L	21:22:24
2	Fe	238.204†	25427957.1	20124448.0	170.1	mg/L	170.1	mg/L	21:22:20
2	Mg	279.077†	435577.0	344596.5	30.37	mg/L	30.37	mg/L	21:22:24
2	Mn	257.610†	2430228.1	1922202.2	3.396	mg/L	3.396	mg/L	21:22:24
2	Mo	202.031†	500.8	369.2	-0.0527	mg/L	-0.0527	mg/L	21:22:34
2	Ni	231.604†	7343.8	5830.9	0.2029	mg/L	0.2029	mg/L	21:22:34
2	P	214.914†	16018.1	12334.6	7.886	mg/L	7.886	mg/L	21:22:34
2	Pb	220.353†	106979.8	84609.5	7.266	mg/L	7.266	mg/L	21:22:24
2	Sb	206.836†	100.9	43.0	-0.0666	mg/L	-0.0666	mg/L	21:22:34
2	Se	196.026†	-75.6	-59.9	0.0382	mg/L	0.0382	mg/L	21:22:34
2	Sn	189.927†	680.3	535.6	0.7895	mg/L	0.7895	mg/L	21:22:34
2	Ti	337.279†	3300885.7	2612899.4	3.695	mg/L	3.695	mg/L	21:22:24
2	Tl	190.801†	23.1	16.3	-0.1295	mg/L	-0.1295	mg/L	21:22:34
2	V	292.402†	65646.8	52638.3	0.2829	mg/L	0.2829	mg/L	21:22:24
2	Zn	213.857†	453807.7	358358.7	3.849	mg/L	3.849	mg/L	21:22:24

Mean Data: 1210124-04

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Units		
Y 371.029	3108130.8	1.25	mg/L	0.012				0.98%
Ag 328.068†	-1252.5	0.0058	mg/L	0.00065	0.0058	mg/L	0.00065	11.18%
Al 237.313†	744149.2	96.06	mg/L	0.038	96.06	mg/L	0.038	0.04%
As 188.979†	65.8	0.1809	mg/L	0.00352	0.1809	mg/L	0.00352	1.94%
B 182.528†	22.0	0.0483	mg/L	0.00618	0.0483	mg/L	0.00618	12.80%
B 249.677†	49.0	0.0310	mg/L	0.00435	0.0310	mg/L	0.00435	14.06%
Ba 233.527†	120633.7	1.667	mg/L	0.0028	1.667	mg/L	0.0028	0.17%
Be 313.107†	9662.4	0.0056	mg/L	0.00001	0.0056	mg/L	0.00001	0.25%
Ca 315.887†	7310405.4	68.85	mg/L	0.042	68.85	mg/L	0.042	0.06%
Cd 228.802†	298.7	0.0102	mg/L	0.00026	0.0102	mg/L	0.00026	2.54%
Co 228.616†	3288.4	0.0726	mg/L	0.00035	0.0726	mg/L	0.00035	0.48%
Cr 267.716†	23843.7	0.2594	mg/L	0.00128	0.2594	mg/L	0.00128	0.50%
Cu 324.752†	196234.7	1.105	mg/L	0.0009	1.105	mg/L	0.0009	0.09%
Fe 234.349†	271465.9	232.7	mg/L	4.44	232.7	mg/L	4.44	1.91%
Fe 238.204†	20152567.1	170.3	mg/L	0.34	170.3	mg/L	0.34	0.20%
K 766.490†	15431.6	8.497	mg/L	0.1519	8.497	mg/L	0.1519	1.79%

Li 670.784†	6711.9	0.2079 mg/L	0.00499	0.2079 mg/L	0.00499	2.40%
Mg 279.077†	343992.0	30.31 mg/L	0.075	30.31 mg/L	0.075	0.25%
Mn 257.610†	1921161.6	3.394 mg/L	0.0026	3.394 mg/L	0.0026	0.08%
Mo 202.031†	367.8	-0.0538 mg/L	0.00149	-0.0538 mg/L	0.00149	2.77%
Na 589.592†	8838.2	1.547 mg/L	0.0221	1.547 mg/L	0.0221	1.43%
Ni 231.604†	5843.4	0.2033 mg/L	0.00062	0.2033 mg/L	0.00062	0.31%
P 214.914†	12363.8	7.911 mg/L	0.0351	7.911 mg/L	0.0351	0.44%
Pb 220.353†	84553.9	7.261 mg/L	0.0068	7.261 mg/L	0.0068	0.09%
Sb 206.836†	45.0	-0.0663 mg/L	0.00041	-0.0663 mg/L	0.00041	0.62%
Se 196.026†	-58.0	0.0414 mg/L	0.00455	0.0414 mg/L	0.00455	10.99%
Sn 189.927†	534.5	0.7984 mg/L	0.01265	0.7984 mg/L	0.01265	1.58%
Sr 407.771†	303794.2	0.3191 mg/L	0.00579	0.3191 mg/L	0.00579	1.82%
Ti 337.279†	2614099.8	3.697 mg/L	0.0024	3.697 mg/L	0.0024	0.06%
Tl 190.801†	17.6	-0.1303 mg/L	0.00119	-0.1303 mg/L	0.00119	0.91%
V 292.402†	52658.4	0.2824 mg/L	0.00067	0.2824 mg/L	0.00067	0.24%
Zn 213.857†	357892.3	3.844 mg/L	0.0071	3.844 mg/L	0.0071	0.18%

Sequence No.: 80
Sample ID: CJ20516-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 10/6/2012 9:24:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20516-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	66.6	49.8	0.0314 mg/L	0.0314 mg/L	21:25:52
1	Fe 234.349†	354779.2	287453.7	246.3 mg/L	246.3 mg/L	21:25:49
1	K 766.490†	19986.3	16024.5	8.816 mg/L	8.816 mg/L	21:25:52
1	Li 670.784†	8918.0	7401.0	0.2292 mg/L	0.2292 mg/L	21:25:52
1	Na 589.592†	11718.4	9343.9	1.630 mg/L	1.630 mg/L	21:25:52
1	Sr 407.771†	404413.7	327531.7	0.3441 mg/L	0.3441 mg/L	21:25:49
1	Y 371.029	3057214.8	3057214.8	1.23 mg/L		21:26:06
1	Ag 328.068†	72.2	-1325.7	0.0062 mg/L	0.0062 mg/L	21:26:06
1	Al 237.313†	995550.6	806739.1	104.1 mg/L	104.1 mg/L	21:26:06
1	As 188.979†	85.6	66.4	0.1874 mg/L	0.1874 mg/L	21:26:16
1	B 182.528†	25.0	17.6	0.0397 mg/L	0.0397 mg/L	21:26:16
1	Ba 233.527†	148474.2	120350.7	1.663 mg/L	1.663 mg/L	21:26:06
1	Be 313.107†	11135.4	9538.0	0.0056 mg/L	0.0056 mg/L	21:26:06
1	Ca 315.887†	10435127.0	8454560.8	79.63 mg/L	79.63 mg/L	21:26:03
1	Cd 228.802†	481.8	327.5	0.0112 mg/L	0.0112 mg/L	21:26:16
1	Co 228.616†	4010.9	3314.6	0.0732 mg/L	0.0732 mg/L	21:26:16
1	Cr 267.716†	28939.0	23038.5	0.2505 mg/L	0.2505 mg/L	21:26:06
1	Cu 324.752†	217774.0	175210.9	0.9862 mg/L	0.9862 mg/L	21:26:06
1	Fe 238.204†	26667831.2	21606561.3	182.6 mg/L	182.6 mg/L	21:26:03
1	Mg 279.077†	461071.5	373432.8	32.91 mg/L	32.91 mg/L	21:26:06
1	Mn 257.610†	2317097.0	1876182.1	3.314 mg/L	3.314 mg/L	21:26:06
1	Mo 202.031†	561.0	427.4	-0.0548 mg/L	-0.0548 mg/L	21:26:16
1	Ni 231.604†	7744.5	6293.5	0.2193 mg/L	0.2193 mg/L	21:26:16
1	P 214.914†	15997.9	12619.0	8.098 mg/L	8.098 mg/L	21:26:16
1	Pb 220.353†	114355.1	92594.3	7.953 mg/L	7.953 mg/L	21:26:06
1	Sb 206.836†	106.2	49.2	-0.0688 mg/L	-0.0688 mg/L	21:26:16
1	Se 196.026†	-68.7	-55.7	0.0494 mg/L	0.0494 mg/L	21:26:16
1	Sn 189.927†	416.0	334.2	0.7932 mg/L	0.7932 mg/L	21:26:16
1	Ti 337.279†	3243937.0	2628750.6	3.718 mg/L	3.718 mg/L	21:26:06
1	Tl 190.801†	11.3	7.1	-0.1455 mg/L	-0.1455 mg/L	21:26:16
1	V 292.402†	64129.3	52641.7	0.2797 mg/L	0.2797 mg/L	21:26:06
1	Zn 213.857†	424953.3	343503.0	3.689 mg/L	3.689 mg/L	21:26:06
2	B 249.677†	68.6	51.3	0.0323 mg/L	0.0323 mg/L	21:25:56
2	Fe 234.349†	349547.0	282596.0	242.2 mg/L	242.2 mg/L	21:25:54
2	K 766.490†	20161.5	16130.8	8.873 mg/L	8.873 mg/L	21:25:56
2	Li 670.784†	8889.4	7362.1	0.2280 mg/L	0.2280 mg/L	21:25:56
2	Na 589.592†	11867.0	9443.3	1.646 mg/L	1.646 mg/L	21:25:56
2	Sr 407.771†	398979.6	322423.0	0.3387 mg/L	0.3387 mg/L	21:25:54
2	Y 371.029	3063905.7	3063905.7	1.24 mg/L		21:26:25
2	Ag 328.068†	60.3	-1335.5	0.0058 mg/L	0.0058 mg/L	21:26:25
2	Al 237.313†	1000047.4	808613.0	104.4 mg/L	104.4 mg/L	21:26:25
2	As 188.979†	84.5	65.3	0.1843 mg/L	0.1843 mg/L	21:26:35
2	B 182.528†	24.6	17.3	0.0391 mg/L	0.0391 mg/L	21:26:35
2	Ba 233.527†	149534.7	120945.3	1.672 mg/L	1.672 mg/L	21:26:25
2	Be 313.107†	11265.3	9623.2	0.0056 mg/L	0.0056 mg/L	21:26:25

2	Ca	315.887†	10439293.9	8439466.3	79.49	mg/L	79.49	mg/L	21:26:21
2	Cd	228.802†	479.8	325.1	0.0111	mg/L	0.0111	mg/L	21:26:35
2	Co	228.616†	4001.3	3299.7	0.0728	mg/L	0.0728	mg/L	21:26:35
2	Cr	267.716†	29027.6	23058.9	0.2508	mg/L	0.2508	mg/L	21:26:25
2	Cu	324.752†	218227.8	175192.4	0.9861	mg/L	0.9861	mg/L	21:26:25
2	Fe	238.204†	26671118.9	21562034.9	182.2	mg/L	182.2	mg/L	21:26:21
2	Mg	279.077†	462771.0	373991.0	32.96	mg/L	32.96	mg/L	21:26:25
2	Mn	257.610†	2328217.7	1881072.9	3.323	mg/L	3.323	mg/L	21:26:25
2	Mo	202.031†	534.1	404.7	-0.0547	mg/L	-0.0547	mg/L	21:26:35
2	Ni	231.604†	7694.6	6239.5	0.2174	mg/L	0.2174	mg/L	21:26:35
2	P	214.914†	15874.2	12490.7	8.011	mg/L	8.011	mg/L	21:26:35
2	Pb	220.353†	115238.0	93105.7	7.997	mg/L	7.997	mg/L	21:26:25
2	Sb	206.836†	109.7	51.9	-0.0647	mg/L	-0.0647	mg/L	21:26:35
2	Se	196.026†	-67.3	-54.4	0.0489	mg/L	0.0489	mg/L	21:26:35
2	Sn	189.927†	415.0	332.6	0.7806	mg/L	0.7806	mg/L	21:26:35
2	Ti	337.279†	3252055.5	2629574.3	3.719	mg/L	3.719	mg/L	21:26:25
2	Tl	190.801†	12.5	8.1	-0.1424	mg/L	-0.1424	mg/L	21:26:35
2	V	292.402†	64370.4	52723.2	0.2809	mg/L	0.2809	mg/L	21:26:25
2	Zn	213.857†	426255.7	343804.1	3.692	mg/L	3.692	mg/L	21:26:25

Mean Data: CJ20516-DUP1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3060560.2	1.24	mg/L	0.002				0.15%
Ag 328.068†	-1330.6	0.0060	mg/L	0.00029	0.0060	mg/L	0.00029	4.74%
Al 237.313†	807676.0	104.3	mg/L	0.17	104.3	mg/L	0.17	0.16%
As 188.979†	65.9	0.1859	mg/L	0.00215	0.1859	mg/L	0.00215	1.16%
B 182.528†	17.4	0.0394	mg/L	0.00041	0.0394	mg/L	0.00041	1.05%
B 249.677†	50.5	0.0318	mg/L	0.00060	0.0318	mg/L	0.00060	1.90%
Ba 233.527†	120648.0	1.667	mg/L	0.0058	1.667	mg/L	0.0058	0.35%
Be 313.107†	9580.6	0.0056	mg/L	0.00004	0.0056	mg/L	0.00004	0.65%
Ca 315.887†	8447013.5	79.56	mg/L	0.101	79.56	mg/L	0.101	0.13%
Cd 228.802†	326.3	0.0111	mg/L	0.00006	0.0111	mg/L	0.00006	0.51%
Co 228.616†	3307.2	0.0730	mg/L	0.00027	0.0730	mg/L	0.00027	0.36%
Cr 267.716†	23048.7	0.2506	mg/L	0.00016	0.2506	mg/L	0.00016	0.06%
Cu 324.752†	175201.7	0.9862	mg/L	0.00007	0.9862	mg/L	0.00007	0.01%
Fe 234.349†	285024.9	244.3	mg/L	2.94	244.3	mg/L	2.94	1.21%
Fe 238.204†	21584298.1	182.4	mg/L	0.27	182.4	mg/L	0.27	0.15%
K 766.490†	16077.7	8.845	mg/L	0.0404	8.845	mg/L	0.0404	0.46%
Li 670.784†	7381.5	0.2286	mg/L	0.00085	0.2286	mg/L	0.00085	0.37%
Mg 279.077†	373711.9	32.93	mg/L	0.035	32.93	mg/L	0.035	0.11%
Mn 257.610†	1878627.5	3.319	mg/L	0.0061	3.319	mg/L	0.0061	0.18%
Mo 202.031†	416.0	-0.0548	mg/L	0.00006	-0.0548	mg/L	0.00006	0.11%
Na 589.592†	9393.6	1.638	mg/L	0.0115	1.638	mg/L	0.0115	0.70%
Ni 231.604†	6266.5	0.2183	mg/L	0.00136	0.2183	mg/L	0.00136	0.62%
P 214.914†	12554.9	8.055	mg/L	0.0609	8.055	mg/L	0.0609	0.76%
Pb 220.353†	92850.0	7.975	mg/L	0.0312	7.975	mg/L	0.0312	0.39%
Sb 206.836†	50.6	-0.0668	mg/L	0.00291	-0.0668	mg/L	0.00291	4.36%
Se 196.026†	-55.1	0.0492	mg/L	0.00038	0.0492	mg/L	0.00038	0.78%
Sn 189.927†	333.4	0.7869	mg/L	0.00886	0.7869	mg/L	0.00886	1.13%
Sr 407.771†	324977.4	0.3414	mg/L	0.00379	0.3414	mg/L	0.00379	1.11%
Ti 337.279†	2629162.4	3.718	mg/L	0.0008	3.718	mg/L	0.0008	0.02%
Tl 190.801†	7.6	-0.1439	mg/L	0.00217	-0.1439	mg/L	0.00217	1.51%
V 292.402†	52682.4	0.2803	mg/L	0.00091	0.2803	mg/L	0.00091	0.33%
Zn 213.857†	343653.5	3.691	mg/L	0.0023	3.691	mg/L	0.0023	0.06%

Sequence No.: 81

Sample ID: CJ20516-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 75

Date Collected: 10/6/2012 9:28:11 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	880.5	674.8	0.3945	mg/L	0.3945	mg/L	21:29:55
1	Fe 234.349†	371364.8	286367.2	245.4	mg/L	245.4	mg/L	21:29:53
1	K 766.490†	63488.9	48788.0	26.44	mg/L	26.44	mg/L	21:29:55
1	Li 670.784†	31398.3	24386.9	0.7539	mg/L	0.7539	mg/L	21:29:55
1	Na 589.592†	164128.5	126409.9	20.78	mg/L	20.78	mg/L	21:29:53

1	Sr 407.771†	567280.1	437302.0	0.4592 mg/L	0.4592 mg/L	21:29:53
1	Y 371.029	3212278.1	3212278.1	1.30 mg/L	1.30 mg/L	21:30:09
1	Ag 328.068†	30668.5	22264.5	0.2069 mg/L	0.2069 mg/L	21:30:12
1	Al 237.313†	1131313.3	872489.6	112.6 mg/L	112.6 mg/L	21:30:09
1	As 188.979†	498.7	381.6	0.5795 mg/L	0.5795 mg/L	21:30:22
1	B 182.528†	281.3	214.3	0.4236 mg/L	0.4236 mg/L	21:30:22
1	Ba 233.527†	178653.9	137815.5	1.905 mg/L	1.905 mg/L	21:30:12
1	Be 313.107†	95594.4	74229.2	0.0442 mg/L	0.0442 mg/L	21:30:12
1	Ca 315.887†	11577185.9	8927082.5	84.08 mg/L	84.08 mg/L	21:30:06
1	Cd 228.802†	7451.9	5683.4	0.1992 mg/L	0.1992 mg/L	21:30:22
1	Co 228.616†	25271.9	19552.2	0.4776 mg/L	0.4776 mg/L	21:30:22
1	Cr 267.716†	85474.8	65501.7	0.7186 mg/L	0.7186 mg/L	21:30:12
1	Cu 324.752†	337274.6	258841.1	1.459 mg/L	1.459 mg/L	21:30:12
1	Fe 238.204†	28236101.1	21772862.2	184.0 mg/L	184.0 mg/L	21:30:06
1	Mg 279.077†	895912.2	690708.1	60.89 mg/L	60.89 mg/L	21:30:09
1	Mn 257.610†	3070834.4	2366769.7	4.182 mg/L	4.182 mg/L	21:30:09
1	Mo 202.031†	9435.8	7248.9	0.3088 mg/L	0.3088 mg/L	21:30:22
1	Ni 231.604†	24379.6	18818.1	0.6637 mg/L	0.6637 mg/L	21:30:12
1	P 214.914†	24205.5	18322.3	11.48 mg/L	11.48 mg/L	21:30:22
1	Pb 220.353†	99573.1	76723.2	6.581 mg/L	6.581 mg/L	21:30:12
1	Sb 206.836†	414.3	282.6	0.1286 mg/L	0.1286 mg/L	21:30:22
1	Se 196.026†	935.0	720.9	0.8021 mg/L	0.8021 mg/L	21:30:22
1	Sn 189.927†	2900.3	2233.6	1.220 mg/L	1.220 mg/L	21:30:22
1	Ti 337.279†	5020382.1	3871704.4	5.477 mg/L	5.477 mg/L	21:30:09
1	Tl 190.801†	690.9	530.7	0.2159 mg/L	0.2159 mg/L	21:30:22
1	V 292.402†	155584.8	120655.4	0.7099 mg/L	0.7099 mg/L	21:30:12
1	Zn 213.857†	479419.3	368881.8	3.959 mg/L	3.959 mg/L	21:30:12
2	B 249.677†	897.1	732.2	0.4278 mg/L	0.4278 mg/L	21:29:59
2	Fe 234.349†	371923.5	305261.4	261.6 mg/L	261.6 mg/L	21:29:57
2	K 766.490†	64632.4	52878.2	28.64 mg/L	28.64 mg/L	21:29:59
2	Li 670.784†	32024.8	26459.7	0.8179 mg/L	0.8179 mg/L	21:29:59
2	Na 589.592†	163922.7	134388.7	22.08 mg/L	22.08 mg/L	21:29:57
2	Sr 407.771†	566953.6	465195.3	0.4885 mg/L	0.4885 mg/L	21:29:57
2	Y 371.029	3017984.5	3017984.5	1.22 mg/L	1.22 mg/L	21:30:30
2	Ag 328.068†	31035.3	24087.9	0.2237 mg/L	0.2237 mg/L	21:30:32
2	Al 237.313†	1142215.5	937599.0	121.0 mg/L	121.0 mg/L	21:30:30
2	As 188.979†	491.3	400.3	0.6096 mg/L	0.6096 mg/L	21:30:42
2	B 182.528†	278.5	226.0	0.4463 mg/L	0.4463 mg/L	21:30:42
2	Ba 233.527†	181265.6	148827.9	2.057 mg/L	2.057 mg/L	21:30:32
2	Be 313.107†	96869.8	80021.6	0.0477 mg/L	0.0477 mg/L	21:30:32
2	Ca 315.887†	11711766.2	9612261.7	90.54 mg/L	90.54 mg/L	21:30:26
2	Cd 228.802†	7472.8	6070.5	0.2128 mg/L	0.2128 mg/L	21:30:42
2	Co 228.616†	25230.2	20772.5	0.5075 mg/L	0.5075 mg/L	21:30:42
2	Cr 267.716†	86404.6	70508.1	0.7738 mg/L	0.7738 mg/L	21:30:32
2	Cu 324.752†	342137.9	279575.9	1.576 mg/L	1.576 mg/L	21:30:32
2	Fe 238.204†	28493288.4	23385664.6	197.6 mg/L	197.6 mg/L	21:30:26
2	Mg 279.077†	905442.2	743005.3	65.51 mg/L	65.51 mg/L	21:30:30
2	Mn 257.610†	3100457.8	2543527.6	4.494 mg/L	4.494 mg/L	21:30:30
2	Mo 202.031†	9457.5	7735.2	0.3297 mg/L	0.3297 mg/L	21:30:42
2	Ni 231.604†	24628.0	20232.2	0.7138 mg/L	0.7138 mg/L	21:30:32
2	P 214.914†	24118.6	19452.6	12.19 mg/L	12.19 mg/L	21:30:42
2	Pb 220.353†	100858.3	82721.2	7.095 mg/L	7.095 mg/L	21:30:32
2	Sb 206.836†	406.3	296.7	0.1333 mg/L	0.1333 mg/L	21:30:42
2	Se 196.026†	933.6	766.2	0.8530 mg/L	0.8530 mg/L	21:30:42
2	Sn 189.927†	2927.8	2400.1	1.305 mg/L	1.305 mg/L	21:30:42
2	Ti 337.279†	5077855.5	4168101.0	5.896 mg/L	5.896 mg/L	21:30:30
2	Tl 190.801†	683.2	558.7	0.2254 mg/L	0.2254 mg/L	21:30:42
2	V 292.402†	158223.2	130544.5	0.7690 mg/L	0.7690 mg/L	21:30:32
2	Zn 213.857†	487239.9	399100.2	4.283 mg/L	4.283 mg/L	21:30:32

Mean Data: CJ20516-MS1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3115131.3	1.26	mg/L	0.055				4.41%
Ag 328.068†	23176.2	0.2153	mg/L	0.01186	0.2153	mg/L	0.01186	5.51%
Al 237.313†	905044.3	116.8	mg/L	5.94	116.8	mg/L	5.94	5.09%
As 188.979†	390.9	0.5946	mg/L	0.02123	0.5946	mg/L	0.02123	3.57%
B 182.528†	220.1	0.4349	mg/L	0.01610	0.4349	mg/L	0.01610	3.70%
B 249.677†	703.5	0.4111	mg/L	0.02356	0.4111	mg/L	0.02356	5.73%
Ba 233.527†	143321.7	1.981	mg/L	0.1077	1.981	mg/L	0.1077	5.44%
Be 313.107†	77125.4	0.0460	mg/L	0.00245	0.0460	mg/L	0.00245	5.33%
Ca 315.887†	9269672.1	87.31	mg/L	4.564	87.31	mg/L	4.564	5.23%

Cd	228.802†	5876.9	0.2060 mg/L	0.00962	0.2060 mg/L	0.00962	4.67%
Co	228.616†	20162.3	0.4926 mg/L	0.02109	0.4926 mg/L	0.02109	4.28%
Cr	267.716†	68004.9	0.7462 mg/L	0.03901	0.7462 mg/L	0.03901	5.23%
Cu	324.752†	269208.5	1.517 mg/L	0.0828	1.517 mg/L	0.0828	5.46%
Fe	234.349†	295814.3	253.5 mg/L	11.45	253.5 mg/L	11.45	4.52%
Fe	238.204†	22579263.4	190.8 mg/L	9.64	190.8 mg/L	9.64	5.05%
K	766.490†	50833.1	27.54 mg/L	1.556	27.54 mg/L	1.556	5.65%
Li	670.784†	25423.3	0.7859 mg/L	0.04528	0.7859 mg/L	0.04528	5.76%
Mg	279.077†	716856.7	63.20 mg/L	3.262	63.20 mg/L	3.262	5.16%
Mn	257.610†	2455148.7	4.338 mg/L	0.2210	4.338 mg/L	0.2210	5.09%
Mo	202.031†	7492.0	0.3192 mg/L	0.01471	0.3192 mg/L	0.01471	4.61%
Na	589.592†	130399.3	21.43 mg/L	0.923	21.43 mg/L	0.923	4.31%
Ni	231.604†	19525.1	0.6888 mg/L	0.03546	0.6888 mg/L	0.03546	5.15%
P	214.914†	18887.4	11.83 mg/L	0.501	11.83 mg/L	0.501	4.23%
Pb	220.353†	79722.2	6.838 mg/L	0.3640	6.838 mg/L	0.3640	5.32%
Sb	206.836†	289.7	0.1310 mg/L	0.00333	0.1310 mg/L	0.00333	2.54%
Se	196.026†	743.6	0.8276 mg/L	0.03596	0.8276 mg/L	0.03596	4.35%
Sn	189.927†	2316.9	1.262 mg/L	0.0601	1.262 mg/L	0.0601	4.76%
Sr	407.771†	451248.7	0.4738 mg/L	0.02069	0.4738 mg/L	0.02069	4.37%
Ti	337.279†	4019902.7	5.686 mg/L	0.2966	5.686 mg/L	0.2966	5.22%
Tl	190.801†	544.7	0.2206 mg/L	0.00673	0.2206 mg/L	0.00673	3.05%
V	292.402†	125599.9	0.7394 mg/L	0.04176	0.7394 mg/L	0.04176	5.65%
Zn	213.857†	383991.0	4.121 mg/L	0.2294	4.121 mg/L	0.2294	5.57%

Sequence No.: 82

Sample ID: CJ20516-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 76

Date Collected: 10/6/2012 9:32:19 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Conc. Units	Sample	Analysis Time
1	B 249.677†	31.5	21.1	0.0149 mg/L		0.0149 mg/L		21:34:08
1	Fe 234.349†	73530.3	58974.9	50.56 mg/L		50.56 mg/L		21:33:57
1	K 766.490†	4302.8	3282.0	1.963 mg/L		1.963 mg/L		21:34:08
1	Li 670.784†	1621.0	1475.5	0.0462 mg/L		0.0462 mg/L		21:34:08
1	Na 589.592†	2924.0	2194.4	0.4602 mg/L		0.4602 mg/L		21:34:08
1	Sr 407.771†	82132.7	65737.0	0.0694 mg/L		0.0694 mg/L		21:33:57
1	Y 371.029	3088650.2	3088650.2	1.25 mg/L		1.25 mg/L		21:34:25
1	Ag 328.068†	1091.7	-508.7	-0.0019 mg/L		-0.0019 mg/L		21:34:27
1	Al 237.313†	202480.8	162511.1	20.97 mg/L		20.97 mg/L		21:34:27
1	As 188.979†	18.8	12.1	0.0379 mg/L		0.0379 mg/L		21:34:37
1	B 182.528†	6.6	2.6	0.0105 mg/L		0.0105 mg/L		21:34:37
1	Ba 233.527†	33167.8	26654.0	0.3669 mg/L		0.3669 mg/L		21:34:27
1	Be 313.107†	2196.5	2277.4	0.0012 mg/L		0.0012 mg/L		21:34:27
1	Ca 315.887†	2001747.3	1605190.3	15.11 mg/L		15.11 mg/L		21:34:25
1	Cd 228.802†	151.9	59.0	0.0020 mg/L		0.0020 mg/L		21:34:37
1	Co 228.616†	876.4	767.7	0.0150 mg/L		0.0150 mg/L		21:34:37
1	Cr 267.716†	6954.9	5169.3	0.0537 mg/L		0.0537 mg/L		21:34:27
1	Cu 324.752†	54810.9	42723.5	0.2379 mg/L		0.2379 mg/L		21:34:27
1	Fe 238.204†	6578699.7	5275765.6	44.58 mg/L		44.58 mg/L		21:34:25
1	Mg 279.077†	96334.9	77122.8	6.767 mg/L		6.767 mg/L		21:34:27
1	Mn 257.610†	533218.9	426457.5	0.7511 mg/L		0.7511 mg/L		21:34:25
1	Mo 202.031†	186.4	122.4	-0.0096 mg/L		-0.0096 mg/L		21:34:37
1	Ni 231.604†	1651.3	1343.1	0.0438 mg/L		0.0438 mg/L		21:34:37
1	P 214.914†	3695.8	2621.2	1.702 mg/L		1.702 mg/L		21:34:37
1	Pb 220.353†	23719.2	18964.0	1.626 mg/L		1.626 mg/L		21:34:27
1	Sb 206.836†	46.6	0.6	-0.0231 mg/L		-0.0231 mg/L		21:34:37
1	Se 196.026†	-17.9	-14.4	0.0060 mg/L		0.0060 mg/L		21:34:37
1	Sn 189.927†	61.6	46.5	0.1556 mg/L		0.1556 mg/L		21:34:37
1	Ti 337.279†	705693.7	566404.6	0.7994 mg/L		0.7994 mg/L		21:34:25
1	Tl 190.801†	4.9	1.9	-0.0331 mg/L		-0.0331 mg/L		21:34:37
1	V 292.402†	13723.1	11688.6	0.0612 mg/L		0.0612 mg/L		21:34:27
1	Zn 213.857†	101350.1	80478.7	0.8635 mg/L		0.8635 mg/L		21:34:27
2	B 249.677†	25.6	16.5	0.0122 mg/L		0.0122 mg/L		21:34:20
2	Fe 234.349†	72363.3	58550.5	50.19 mg/L		50.19 mg/L		21:34:10
2	K 766.490†	4304.1	3313.5	1.979 mg/L		1.979 mg/L		21:34:20
2	Li 670.784†	1576.5	1450.9	0.0454 mg/L		0.0454 mg/L		21:34:20
2	Na 589.592†	2925.8	2216.5	0.4638 mg/L		0.4638 mg/L		21:34:20
2	Sr 407.771†	81100.3	65482.4	0.0691 mg/L		0.0691 mg/L		21:34:10

2	Y 371.029	3061661.3	3061661.3	1.24	mg/L			21:34:41
2	Ag 328.068†	1018.5	-560.2	-0.0024	mg/L	-0.0024	mg/L	21:34:43
2	Al 237.313†	203352.4	164647.7	21.25	mg/L	21.25	mg/L	21:34:43
2	As 188.979†	19.0	12.3	0.0380	mg/L	0.0380	mg/L	21:34:53
2	B 182.528†	10.9	6.2	0.0174	mg/L	0.0174	mg/L	21:34:53
2	Ba 233.527†	33384.9	27064.1	0.3726	mg/L	0.3726	mg/L	21:34:43
2	Be 313.107†	2197.3	2293.5	0.0012	mg/L	0.0012	mg/L	21:34:43
2	Ca 315.887†	1975015.5	1597714.5	15.03	mg/L	15.03	mg/L	21:34:41
2	Cd 228.802†	159.1	65.9	0.0022	mg/L	0.0022	mg/L	21:34:53
2	Co 228.616†	859.1	759.9	0.0148	mg/L	0.0148	mg/L	21:34:53
2	Cr 267.716†	7045.3	5291.5	0.0551	mg/L	0.0551	mg/L	21:34:43
2	Cu 324.752†	54923.6	43202.2	0.2406	mg/L	0.2406	mg/L	21:34:43
2	Fe 238.204†	6499644.2	5258314.5	44.43	mg/L	44.43	mg/L	21:34:41
2	Mg 279.077†	96787.7	78170.2	6.859	mg/L	6.859	mg/L	21:34:43
2	Mn 257.610†	526640.5	424904.9	0.7484	mg/L	0.7484	mg/L	21:34:41
2	Mo 202.031†	195.5	131.1	-0.0090	mg/L	-0.0090	mg/L	21:34:53
2	Ni 231.604†	1666.6	1367.2	0.0447	mg/L	0.0447	mg/L	21:34:53
2	P 214.914†	3711.1	2659.7	1.724	mg/L	1.724	mg/L	21:34:53
2	Pb 220.353†	23882.3	19263.6	1.652	mg/L	1.652	mg/L	21:34:43
2	Sb 206.836†	48.2	2.2	-0.0215	mg/L	-0.0215	mg/L	21:34:53
2	Se 196.026†	-15.0	-12.2	0.0081	mg/L	0.0081	mg/L	21:34:53
2	Sn 189.927†	50.5	38.0	0.1527	mg/L	0.1527	mg/L	21:34:53
2	Ti 337.279†	698883.7	565883.9	0.7987	mg/L	0.7987	mg/L	21:34:41
2	Tl 190.801†	7.1	3.8	-0.0316	mg/L	-0.0316	mg/L	21:34:53
2	V 292.402†	13733.5	11794.0	0.0620	mg/L	0.0620	mg/L	21:34:43
2	Zn 213.857†	101673.3	81456.6	0.8740	mg/L	0.8740	mg/L	21:34:43

Mean Data: CJ20516-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3075155.7	1.24	mg/L	0.008			0.62%
Ag 328.068†	-534.4	-0.0022	mg/L	0.00033	-0.0022	mg/L	15.15%
Al 237.313†	163579.4	21.11	mg/L	0.195	21.11	mg/L	0.92%
As 188.979†	12.2	0.0379	mg/L	0.00009	0.0379	mg/L	0.24%
B 182.528†	4.4	0.0139	mg/L	0.00490	0.0139	mg/L	35.18%
B 249.677†	18.8	0.0135	mg/L	0.00188	0.0135	mg/L	13.90%
Ba 233.527†	26859.1	0.3697	mg/L	0.00401	0.3697	mg/L	1.09%
Be 313.107†	2285.5	0.0012	mg/L	0.00001	0.0012	mg/L	0.57%
Ca 315.887†	1601452.4	15.07	mg/L	0.050	15.07	mg/L	0.33%
Cd 228.802†	62.5	0.0021	mg/L	0.00017	0.0021	mg/L	8.18%
Co 228.616†	763.8	0.0149	mg/L	0.00014	0.0149	mg/L	0.93%
Cr 267.716†	5230.4	0.0544	mg/L	0.00095	0.0544	mg/L	1.75%
Cu 324.752†	42962.8	0.2392	mg/L	0.00191	0.2392	mg/L	0.80%
Fe 234.349†	58762.7	50.38	mg/L	0.257	50.38	mg/L	0.51%
Fe 238.204†	5267040.0	44.50	mg/L	0.104	44.50	mg/L	0.23%
K 766.490†	3297.8	1.971	mg/L	0.0120	1.971	mg/L	0.61%
Li 670.784†	1463.2	0.0458	mg/L	0.00054	0.0458	mg/L	1.17%
Mg 279.077†	77646.5	6.813	mg/L	0.0653	6.813	mg/L	0.96%
Mn 257.610†	425681.2	0.7498	mg/L	0.00194	0.7498	mg/L	0.26%
Mo 202.031†	126.7	-0.0093	mg/L	0.00041	-0.0093	mg/L	4.37%
Na 589.592†	2205.4	0.4620	mg/L	0.00256	0.4620	mg/L	0.55%
Ni 231.604†	1355.1	0.0443	mg/L	0.00060	0.0443	mg/L	1.36%
P 214.914†	2640.4	1.713	mg/L	0.0156	1.713	mg/L	0.91%
Pb 220.353†	19113.8	1.639	mg/L	0.0182	1.639	mg/L	1.11%
Sb 206.836†	1.4	-0.0223	mg/L	0.00109	-0.0223	mg/L	4.89%
Se 196.026†	-13.3	0.0071	mg/L	0.00143	0.0071	mg/L	20.23%
Sn 189.927†	42.3	0.1541	mg/L	0.00212	0.1541	mg/L	1.37%
Sr 407.771†	65609.7	0.0693	mg/L	0.00019	0.0693	mg/L	0.27%
Ti 337.279†	566144.2	0.7991	mg/L	0.00052	0.7991	mg/L	0.07%
Tl 190.801†	2.8	-0.0324	mg/L	0.00105	-0.0324	mg/L	3.25%
V 292.402†	11741.3	0.0616	mg/L	0.00052	0.0616	mg/L	0.85%
Zn 213.857†	80967.6	0.8687	mg/L	0.00743	0.8687	mg/L	0.85%

Sequence No.: 83

Sample ID: CJ20516-PDS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 77

Date Collected: 10/6/2012 9:36:30 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc. Units	Sample Units	Analysis Time
1	B 249.677†	1037.7	845.5	0.4937	mg/L	0.4937	mg/L	21:38:14
1	Fe 234.349†	320714.6	262595.0	225.0	mg/L	225.0	mg/L	21:38:12
1	K 766.490†	70284.6	57377.7	31.06	mg/L	31.06	mg/L	21:38:14
1	Li 670.784†	27164.9	22417.1	0.6930	mg/L	0.6930	mg/L	21:38:14
1	Na 589.592†	181730.9	148643.9	24.42	mg/L	24.42	mg/L	21:38:12
1	Sr 407.771†	414947.6	339612.8	0.3567	mg/L	0.3567	mg/L	21:38:12
1	Y 371.029	3025302.6	3025302.6	1.22	mg/L			21:38:28
1	Ag 328.068†	34346.9	26737.7	0.2434	mg/L	0.2434	mg/L	21:38:28
1	Al 237.313†	925317.7	757743.4	97.82	mg/L	97.82	mg/L	21:38:28
1	As 188.979†	551.6	448.6	0.6546	mg/L	0.6546	mg/L	21:38:39
1	B 182.528†	318.4	258.1	0.5090	mg/L	0.5090	mg/L	21:38:39
1	Ba 233.527†	188097.7	154061.8	2.130	mg/L	2.130	mg/L	21:38:28
1	Be 313.107†	103292.0	85087.5	0.0507	mg/L	0.0507	mg/L	21:38:28
1	Ca 315.887†	9305364.7	7618737.0	71.76	mg/L	71.76	mg/L	21:38:25
1	Cd 228.802†	8221.2	6668.4	0.2337	mg/L	0.2337	mg/L	21:38:39
1	Co 228.616†	26428.4	21703.5	0.5344	mg/L	0.5344	mg/L	21:38:39
1	Cr 267.716†	80442.8	65455.3	0.7182	mg/L	0.7182	mg/L	21:38:28
1	Cu 324.752†	342241.3	278981.3	1.571	mg/L	1.571	mg/L	21:38:28
1	Fe 238.204†	24655412.0	20186783.4	170.6	mg/L	170.6	mg/L	21:38:25
1	Mg 279.077†	474857.8	388661.1	34.25	mg/L	34.25	mg/L	21:38:28
1	Mn 257.610†	2653994.6	2171824.4	3.837	mg/L	3.837	mg/L	21:38:28
1	Mo 202.031†	10969.0	8953.9	0.4060	mg/L	0.4060	mg/L	21:38:39
1	Ni 231.604†	23444.8	19214.6	0.6779	mg/L	0.6779	mg/L	21:38:28
1	P 214.914†	24762.6	19932.0	12.38	mg/L	12.38	mg/L	21:38:39
1	Pb 220.353†	106804.4	87389.3	7.505	mg/L	7.505	mg/L	21:38:28
1	Sb 206.836†	780.8	602.5	0.4070	mg/L	0.4070	mg/L	21:38:39
1	Se 196.026†	1117.6	915.0	0.9817	mg/L	0.9817	mg/L	21:38:39
1	Sn 189.927†	3347.6	2738.1	1.274	mg/L	1.274	mg/L	21:38:39
1	Ti 337.279†	3552219.6	2908885.3	4.114	mg/L	4.114	mg/L	21:38:28
1	Tl 190.801†	783.9	639.8	0.3052	mg/L	0.3052	mg/L	21:38:39
1	V 292.402†	153158.5	126083.6	0.7495	mg/L	0.7495	mg/L	21:38:28
1	Zn 213.857†	488122.4	398855.4	4.281	mg/L	4.281	mg/L	21:38:28
2	B 249.677†	1054.4	868.4	0.5071	mg/L	0.5071	mg/L	21:38:18
2	Fe 234.349†	325237.5	269133.7	230.6	mg/L	230.6	mg/L	21:38:16
2	K 766.490†	70561.0	58219.2	31.51	mg/L	31.51	mg/L	21:38:18
2	Li 670.784†	27186.4	22671.7	0.7009	mg/L	0.7009	mg/L	21:38:18
2	Na 589.592†	184064.6	152159.5	24.99	mg/L	24.99	mg/L	21:38:16
2	Sr 407.771†	420620.4	347924.6	0.3654	mg/L	0.3654	mg/L	21:38:16
2	Y 371.029	2993428.0	2993428.0	1.21	mg/L			21:38:47
2	Ag 328.068†	33948.1	26707.2	0.2436	mg/L	0.2436	mg/L	21:38:47
2	Al 237.313†	915289.9	757512.9	97.80	mg/L	97.80	mg/L	21:38:47
2	As 188.979†	555.1	456.3	0.6665	mg/L	0.6665	mg/L	21:38:57
2	B 182.528†	316.7	259.4	0.5116	mg/L	0.5116	mg/L	21:38:57
2	Ba 233.527†	186705.2	154549.5	2.136	mg/L	2.136	mg/L	21:38:47
2	Be 313.107†	101859.3	84802.6	0.0506	mg/L	0.0506	mg/L	21:38:47
2	Ca 315.887†	9327021.5	7717785.0	72.69	mg/L	72.69	mg/L	21:38:43
2	Cd 228.802†	8208.0	6729.2	0.2358	mg/L	0.2358	mg/L	21:38:57
2	Co 228.616†	26385.6	21898.4	0.5393	mg/L	0.5393	mg/L	21:38:57
2	Cr 267.716†	79666.3	65514.0	0.7189	mg/L	0.7189	mg/L	21:38:47
2	Cu 324.752†	338524.4	278889.4	1.570	mg/L	1.570	mg/L	21:38:47
2	Fe 238.204†	24717861.6	20453414.0	172.9	mg/L	172.9	mg/L	21:38:43
2	Mg 279.077†	470143.7	388900.3	34.27	mg/L	34.27	mg/L	21:38:47
2	Mn 257.610†	2628949.5	2174238.6	3.842	mg/L	3.842	mg/L	21:38:47
2	Mo 202.031†	10952.5	9035.8	0.4086	mg/L	0.4086	mg/L	21:38:57
2	Ni 231.604†	23138.9	19165.8	0.6762	mg/L	0.6762	mg/L	21:38:47
2	P 214.914†	24681.6	20080.8	12.49	mg/L	12.49	mg/L	21:38:57
2	Pb 220.353†	105761.2	87457.3	7.511	mg/L	7.511	mg/L	21:38:47
2	Sb 206.836†	773.9	603.6	0.4055	mg/L	0.4055	mg/L	21:38:57
2	Se 196.026†	1122.6	928.9	0.9976	mg/L	0.9976	mg/L	21:38:57
2	Sn 189.927†	3317.7	2742.5	1.292	mg/L	1.292	mg/L	21:38:57
2	Ti 337.279†	3514132.3	2908338.2	4.113	mg/L	4.113	mg/L	21:38:47
2	Tl 190.801†	790.5	652.2	0.3107	mg/L	0.3107	mg/L	21:38:57
2	V 292.402†	151914.6	126389.6	0.7504	mg/L	0.7504	mg/L	21:38:47
2	Zn 213.857†	483621.4	399386.5	4.286	mg/L	4.286	mg/L	21:38:47

Mean Data: CJ20516-PDS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3009365.3	1.21 mg/L	0.009			0.75%
Ag 328.068†	26722.5	0.2435 mg/L	0.00012	0.2435 mg/L	0.00012	0.05%

Al 237.313†	757628.2	97.81 mg/L	0.021	97.81 mg/L	0.021	0.02%
As 188.979†	452.5	0.6606 mg/L	0.00848	0.6606 mg/L	0.00848	1.28%
B 182.528†	258.7	0.5103 mg/L	0.00184	0.5103 mg/L	0.00184	0.36%
B 249.677†	856.9	0.5004 mg/L	0.00941	0.5004 mg/L	0.00941	1.88%
Ba 233.527†	154305.7	2.133 mg/L	0.0048	2.133 mg/L	0.0048	0.22%
Be 313.107†	84945.0	0.0506 mg/L	0.00012	0.0506 mg/L	0.00012	0.24%
Ca 315.887†	7668261.0	72.22 mg/L	0.660	72.22 mg/L	0.660	0.91%
Cd 228.802†	6698.8	0.2348 mg/L	0.00149	0.2348 mg/L	0.00149	0.64%
Co 228.616†	21800.9	0.5368 mg/L	0.00346	0.5368 mg/L	0.00346	0.65%
Cr 267.716†	65484.6	0.7185 mg/L	0.00046	0.7185 mg/L	0.00046	0.06%
Cu 324.752†	278935.3	1.571 mg/L	0.0004	1.571 mg/L	0.0004	0.02%
Fe 234.349†	265864.4	227.8 mg/L	3.96	227.8 mg/L	3.96	1.74%
Fe 238.204†	20320098.7	171.7 mg/L	1.59	171.7 mg/L	1.59	0.93%
K 766.490†	57798.5	31.29 mg/L	0.320	31.29 mg/L	0.320	1.02%
Li 670.784†	22544.4	0.6970 mg/L	0.00556	0.6970 mg/L	0.00556	0.80%
Mg 279.077†	388780.7	34.26 mg/L	0.015	34.26 mg/L	0.015	0.04%
Mn 257.610†	2173031.5	3.839 mg/L	0.0030	3.839 mg/L	0.0030	0.08%
Mo 202.031†	8994.9	0.4073 mg/L	0.00186	0.4073 mg/L	0.00186	0.46%
Na 589.592†	150401.7	24.70 mg/L	0.407	24.70 mg/L	0.407	1.65%
Ni 231.604†	19190.2	0.6770 mg/L	0.00122	0.6770 mg/L	0.00122	0.18%
P 214.914†	20006.4	12.44 mg/L	0.072	12.44 mg/L	0.072	0.58%
Pb 220.353†	87423.3	7.508 mg/L	0.0041	7.508 mg/L	0.0041	0.06%
Sb 206.836†	603.0	0.4063 mg/L	0.00111	0.4063 mg/L	0.00111	0.27%
Se 196.026†	921.9	0.9896 mg/L	0.01122	0.9896 mg/L	0.01122	1.13%
Sn 189.927†	2740.3	1.283 mg/L	0.0123	1.283 mg/L	0.0123	0.96%
Sr 407.771†	343768.7	0.3611 mg/L	0.00617	0.3611 mg/L	0.00617	1.71%
Ti 337.279†	2908611.8	4.114 mg/L	0.0005	4.114 mg/L	0.0005	0.01%
Tl 190.801†	646.0	0.3080 mg/L	0.00385	0.3080 mg/L	0.00385	1.25%
V 292.402†	126236.6	0.7500 mg/L	0.00063	0.7500 mg/L	0.00063	0.08%
Zn 213.857†	399121.0	4.283 mg/L	0.0040	4.283 mg/L	0.0040	0.09%

Sequence No.: 84
Sample ID: 1210126-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 10/6/2012 9:40:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	22.3	13.1	0.0102 mg/L		0.0102 mg/L	21:42:17
1	Fe 234.349†	171264.9	132725.2	113.8 mg/L		113.8 mg/L	21:42:15
1	K 766.490†	12288.8	9354.3	5.229 mg/L		5.229 mg/L	21:42:17
1	Li 670.784†	3065.4	2550.9	0.0794 mg/L		0.0794 mg/L	21:42:17
1	Na 589.592†	3938.0	2901.1	0.5758 mg/L		0.5758 mg/L	21:42:17
1	Sr 407.771†	50414.9	38937.4	0.0413 mg/L		0.0413 mg/L	21:42:15
1	Y 371.029	3196398.0	3196398.0	1.29 mg/L			21:42:29
1	Ag 328.068†	5738.5	3062.8	0.0333 mg/L		0.0333 mg/L	21:42:32
1	Al 237.313†	748107.7	579863.6	74.85 mg/L		74.85 mg/L	21:42:29
1	As 188.979†	58.9	42.6	0.1021 mg/L		0.1021 mg/L	21:42:42
1	B 182.528†	15.3	9.2	0.0233 mg/L		0.0233 mg/L	21:42:42
1	Ba 233.527†	27248.0	21169.9	0.2909 mg/L		0.2909 mg/L	21:42:32
1	Be 313.107†	10094.6	8338.5	0.0048 mg/L		0.0048 mg/L	21:42:32
1	Ca 315.887†	957136.6	741568.5	6.972 mg/L		6.972 mg/L	21:42:29
1	Cd 228.802†	197.3	90.1	0.0029 mg/L		0.0029 mg/L	21:42:42
1	Co 228.616†	2450.9	1964.2	0.0397 mg/L		0.0397 mg/L	21:42:42
1	Cr 267.716†	7710.0	5566.4	0.0581 mg/L		0.0581 mg/L	21:42:32
1	Cu 324.752†	251729.7	193841.3	1.091 mg/L		1.091 mg/L	21:42:29
1	Fe 238.204†	14829008.2	11491385.3	97.11 mg/L		97.11 mg/L	21:42:27
1	Mg 279.077†	201204.8	155786.1	13.71 mg/L		13.71 mg/L	21:42:29
1	Mn 257.610†	1745677.8	1351621.5	2.387 mg/L		2.387 mg/L	21:42:29
1	Mo 202.031†	180.0	112.4	-0.0304 mg/L		-0.0304 mg/L	21:42:32
1	Ni 231.604†	3100.1	2421.2	0.0820 mg/L		0.0820 mg/L	21:42:32
1	P 214.914†	9551.8	7059.4	4.476 mg/L		4.476 mg/L	21:42:32
1	Pb 220.353†	6392.4	4895.6	0.3967 mg/L		0.3967 mg/L	21:42:32
1	Sb 206.836†	71.8	18.9	-0.0355 mg/L		-0.0355 mg/L	21:42:42
1	Se 196.026†	-35.2	-27.3	0.0204 mg/L		0.0204 mg/L	21:42:42
1	Sn 189.927†	60.3	43.8	0.3398 mg/L		0.3398 mg/L	21:42:42
1	Ti 337.279†	3186165.9	2469535.9	3.492 mg/L		3.492 mg/L	21:42:29
1	Tl 190.801†	12.1	7.4	-0.0696 mg/L		-0.0696 mg/L	21:42:42
1	V 292.402†	63105.2	49585.6	0.2845 mg/L		0.2845 mg/L	21:42:32

1	Zn 213.857†	63079.5	48081.5	0.5134 mg/L	0.5134 mg/L	21:42:32
2	B 249.677†	4.3	-0.8	0.0020 mg/L	0.0020 mg/L	21:42:22
2	Fe 234.349†	169139.3	132574.9	113.7 mg/L	113.7 mg/L	21:42:20
2	K 766.490†	12416.6	9563.2	5.341 mg/L	5.341 mg/L	21:42:22
2	Li 670.784†	3082.4	2591.4	0.0806 mg/L	0.0806 mg/L	21:42:22
2	Na 589.592†	4023.5	3003.0	0.5925 mg/L	0.5925 mg/L	21:42:22
2	Sr 407.771†	49596.9	38742.5	0.0411 mg/L	0.0411 mg/L	21:42:20
2	Y 371.029	3160306.2	3160306.2	1.28 mg/L		21:42:47
2	Ag 328.068†	5647.6	3042.3	0.0332 mg/L	0.0332 mg/L	21:42:50
2	Al 237.313†	740932.8	580860.7	74.98 mg/L	74.98 mg/L	21:42:47
2	As 188.979†	66.4	49.1	0.1100 mg/L	0.1100 mg/L	21:43:00
2	B 182.528†	20.5	13.5	0.0316 mg/L	0.0316 mg/L	21:43:00
2	Ba 233.527†	26863.3	21109.5	0.2900 mg/L	0.2900 mg/L	21:42:50
2	Be 313.107†	9933.4	8301.5	0.0048 mg/L	0.0048 mg/L	21:42:50
2	Ca 315.887†	947847.1	742758.2	6.983 mg/L	6.983 mg/L	21:42:47
2	Cd 228.802†	196.7	91.4	0.0029 mg/L	0.0029 mg/L	21:43:00
2	Co 228.616†	2447.8	1983.5	0.0402 mg/L	0.0402 mg/L	21:43:00
2	Cr 267.716†	7599.4	5548.0	0.0579 mg/L	0.0579 mg/L	21:42:50
2	Cu 324.752†	249550.7	194361.3	1.094 mg/L	1.094 mg/L	21:42:47
2	Fe 238.204†	14974588.9	11736727.1	99.19 mg/L	99.19 mg/L	21:42:45
2	Mg 279.077†	199208.5	156002.1	13.73 mg/L	13.73 mg/L	21:42:47
2	Mn 257.610†	1728247.3	1353409.0	2.390 mg/L	2.390 mg/L	21:42:47
2	Mo 202.031†	144.8	86.4	-0.0318 mg/L	-0.0318 mg/L	21:42:50
2	Ni 231.604†	3031.1	2394.5	0.0811 mg/L	0.0811 mg/L	21:42:50
2	P 214.914†	9427.9	7046.8	4.468 mg/L	4.468 mg/L	21:42:50
2	Pb 220.353†	6334.3	4906.6	0.3976 mg/L	0.3976 mg/L	21:42:50
2	Sb 206.836†	66.9	15.7	-0.0381 mg/L	-0.0381 mg/L	21:43:00
2	Se 196.026†	-26.4	-20.7	0.0268 mg/L	0.0268 mg/L	21:43:00
2	Sn 189.927†	59.9	44.1	0.3395 mg/L	0.3395 mg/L	21:43:00
2	Ti 337.279†	3148669.9	2468344.8	3.491 mg/L	3.491 mg/L	21:42:47
2	Tl 190.801†	9.2	5.2	-0.0710 mg/L	-0.0710 mg/L	21:43:00
2	V 292.402†	62809.0	49911.9	0.2865 mg/L	0.2865 mg/L	21:42:50
2	Zn 213.857†	62378.9	48090.6	0.5135 mg/L	0.5135 mg/L	21:42:50

Mean Data: 1210126-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3178352.1	1.28	mg/L	0.010				0.80%
Ag 328.068†	3052.5	0.0333	mg/L	0.00013	0.0333	mg/L	0.00013	0.39%
Al 237.313†	580362.2	74.92	mg/L	0.091	74.92	mg/L	0.091	0.12%
As 188.979†	45.8	0.1061	mg/L	0.00565	0.1061	mg/L	0.00565	5.32%
B 182.528†	11.3	0.0274	mg/L	0.00589	0.0274	mg/L	0.00589	21.46%
B 249.677†	6.2	0.0061	mg/L	0.00573	0.0061	mg/L	0.00573	93.94%
Ba 233.527†	21139.7	0.2905	mg/L	0.00059	0.2905	mg/L	0.00059	0.20%
Be 313.107†	8320.0	0.0048	mg/L	0.00002	0.0048	mg/L	0.00002	0.32%
Ca 315.887†	742163.4	6.977	mg/L	0.0079	6.977	mg/L	0.0079	0.11%
Cd 228.802†	90.7	0.0029	mg/L	0.00001	0.0029	mg/L	0.00001	0.26%
Co 228.616†	1973.8	0.0400	mg/L	0.00034	0.0400	mg/L	0.00034	0.86%
Cr 267.716†	5557.2	0.0580	mg/L	0.00015	0.0580	mg/L	0.00015	0.25%
Cu 324.752†	194101.3	1.092	mg/L	0.0021	1.092	mg/L	0.0021	0.19%
Fe 234.349†	132650.0	113.7	mg/L	0.09	113.7	mg/L	0.09	0.08%
Fe 238.204†	11614056.2	98.15	mg/L	1.466	98.15	mg/L	1.466	1.49%
K 766.490†	9458.8	5.285	mg/L	0.0795	5.285	mg/L	0.0795	1.50%
Li 670.784†	2571.2	0.0800	mg/L	0.00088	0.0800	mg/L	0.00088	1.10%
Mg 279.077†	155894.1	13.72	mg/L	0.013	13.72	mg/L	0.013	0.10%
Mn 257.610†	1352515.2	2.389	mg/L	0.0022	2.389	mg/L	0.0022	0.09%
Mo 202.031†	99.4	-0.0311	mg/L	0.00095	-0.0311	mg/L	0.00095	3.06%
Na 589.592†	2952.1	0.5842	mg/L	0.01178	0.5842	mg/L	0.01178	2.02%
Ni 231.604†	2407.9	0.0816	mg/L	0.00067	0.0816	mg/L	0.00067	0.82%
P 214.914†	7053.1	4.472	mg/L	0.0055	4.472	mg/L	0.0055	0.12%
Pb 220.353†	4901.1	0.3971	mg/L	0.00065	0.3971	mg/L	0.00065	0.16%
Sb 206.836†	17.3	-0.0368	mg/L	0.00187	-0.0368	mg/L	0.00187	5.07%
Se 196.026†	-24.0	0.0236	mg/L	0.00451	0.0236	mg/L	0.00451	19.07%
Sn 189.927†	44.0	0.3397	mg/L	0.00023	0.3397	mg/L	0.00023	0.07%
Sr 407.771†	38839.9	0.0412	mg/L	0.00014	0.0412	mg/L	0.00014	0.35%
Ti 337.279†	2468940.4	3.492	mg/L	0.0012	3.492	mg/L	0.0012	0.03%
Tl 190.801†	6.3	-0.0703	mg/L	0.00103	-0.0703	mg/L	0.00103	1.47%
V 292.402†	49748.7	0.2855	mg/L	0.00146	0.2855	mg/L	0.00146	0.51%
Zn 213.857†	48086.0	0.5135	mg/L	0.00007	0.5135	mg/L	0.00007	0.01%

Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/6/2012 9:44:37PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	1051.6	841.8	0.4918	mg/L	0.4918	mg/L	21:46:21
1	Fe 234.349†	3882.9	3129.4	2.689	mg/L	2.689	mg/L	21:46:21
1	K 766.490†	53761.5	43080.3	23.37	mg/L	23.37	mg/L	21:46:19
1	Li 670.784†	18874.2	15359.0	0.4750	mg/L	0.4750	mg/L	21:46:21
1	Na 589.592†	177427.2	142582.7	23.42	mg/L	23.42	mg/L	21:46:19
1	Sr 407.771†	58287.7	46759.3	0.0495	mg/L	0.0495	mg/L	21:46:19
1	Y 371.029	3079086.1	3079086.1	1.24	mg/L			21:46:30
1	Ag 328.068†	37521.4	28800.3	0.2438	mg/L	0.2438	mg/L	21:46:32
1	Al 237.313†	23563.4	19083.3	2.461	mg/L	2.461	mg/L	21:46:32
1	As 188.979†	504.6	403.0	0.5047	mg/L	0.5047	mg/L	21:46:42
1	B 182.528†	330.7	263.4	0.5194	mg/L	0.5194	mg/L	21:46:42
1	Ba 233.527†	44760.0	36062.1	0.4969	mg/L	0.4969	mg/L	21:46:32
1	Be 313.107†	99351.7	80440.5	0.0479	mg/L	0.0479	mg/L	21:46:32
1	Ca 315.887†	631044.1	507498.8	4.767	mg/L	4.767	mg/L	21:46:30
1	Cd 228.802†	8474.0	6754.2	0.2370	mg/L	0.2370	mg/L	21:46:42
1	Co 228.616†	24167.6	19506.8	0.4864	mg/L	0.4864	mg/L	21:46:32
1	Cr 267.716†	55512.1	44249.0	0.4847	mg/L	0.4847	mg/L	21:46:32
1	Cu 324.752†	109670.7	86992.7	0.4869	mg/L	0.4869	mg/L	21:46:32
1	Fe 238.204†	356684.3	286782.0	2.413	mg/L	2.413	mg/L	21:46:32
1	Mg 279.077†	69996.9	56174.9	4.918	mg/L	4.918	mg/L	21:46:32
1	Mn 257.610†	352792.1	282639.4	0.4970	mg/L	0.4970	mg/L	21:46:32
1	Mo 202.031†	11339.8	9095.3	0.4835	mg/L	0.4835	mg/L	21:46:42
1	Ni 231.604†	18215.8	14672.7	0.5170	mg/L	0.5170	mg/L	21:46:32
1	P 214.914†	10333.4	7970.1	4.764	mg/L	4.764	mg/L	21:46:42
1	Pb 220.353†	6959.9	5540.8	0.4726	mg/L	0.4726	mg/L	21:46:42
1	Sb 206.836†	784.1	593.9	0.4983	mg/L	0.4983	mg/L	21:46:42
1	Se 196.026†	1305.3	1050.0	1.018	mg/L	1.018	mg/L	21:46:42
1	Sn 189.927†	2839.5	2281.4	0.5210	mg/L	0.5210	mg/L	21:46:42
1	Ti 337.279†	422078.9	340005.3	0.4791	mg/L	0.4791	mg/L	21:46:30
1	Tl 190.801†	857.1	687.5	0.4707	mg/L	0.4707	mg/L	21:46:42
1	V 292.402†	96608.7	78401.0	0.4945	mg/L	0.4945	mg/L	21:46:32
1	Zn 213.857†	59215.3	46835.2	0.4987	mg/L	0.4987	mg/L	21:46:32
2	B 249.677†	1069.8	873.8	0.5104	mg/L	0.5104	mg/L	21:46:26
2	Fe 234.349†	3823.1	3143.4	2.701	mg/L	2.701	mg/L	21:46:26
2	K 766.490†	53911.9	44077.9	23.91	mg/L	23.91	mg/L	21:46:24
2	Li 670.784†	18650.9	15482.7	0.4788	mg/L	0.4788	mg/L	21:46:26
2	Na 589.592†	177703.6	145694.6	23.93	mg/L	23.93	mg/L	21:46:24
2	Sr 407.771†	58476.7	47862.1	0.0507	mg/L	0.0507	mg/L	21:46:24
2	Y 371.029	3018082.6	3018082.6	1.22	mg/L			21:46:45
2	Ag 328.068†	37492.0	29386.3	0.2488	mg/L	0.2488	mg/L	21:46:47
2	Al 237.313†	23388.5	19323.0	2.492	mg/L	2.492	mg/L	21:46:47
2	As 188.979†	500.0	407.4	0.5102	mg/L	0.5102	mg/L	21:46:57
2	B 182.528†	328.1	266.7	0.5257	mg/L	0.5257	mg/L	21:46:57
2	Ba 233.527†	44771.8	36799.6	0.5071	mg/L	0.5071	mg/L	21:46:47
2	Be 313.107†	98488.0	81347.1	0.0485	mg/L	0.0485	mg/L	21:46:47
2	Ca 315.887†	619555.7	508331.1	4.775	mg/L	4.775	mg/L	21:46:45
2	Cd 228.802†	8408.0	6837.8	0.2400	mg/L	0.2400	mg/L	21:46:57
2	Co 228.616†	24100.9	19845.0	0.4949	mg/L	0.4949	mg/L	21:46:47
2	Cr 267.716†	55272.8	44955.2	0.4925	mg/L	0.4925	mg/L	21:46:47
2	Cu 324.752†	109314.2	88483.3	0.4953	mg/L	0.4953	mg/L	21:46:47
2	Fe 238.204†	354606.4	290876.5	2.447	mg/L	2.447	mg/L	21:46:47
2	Mg 279.077†	69661.8	57038.0	4.994	mg/L	4.994	mg/L	21:46:47
2	Mn 257.610†	351100.8	286987.8	0.5047	mg/L	0.5047	mg/L	21:46:47
2	Mo 202.031†	11252.1	9207.7	0.4895	mg/L	0.4895	mg/L	21:46:57
2	Ni 231.604†	18093.5	14868.6	0.5239	mg/L	0.5239	mg/L	21:46:47
2	P 214.914†	10287.9	8100.8	4.841	mg/L	4.841	mg/L	21:46:57
2	Pb 220.353†	6955.6	5650.5	0.4821	mg/L	0.4821	mg/L	21:46:57
2	Sb 206.836†	785.6	608.0	0.5101	mg/L	0.5101	mg/L	21:46:57
2	Se 196.026†	1292.0	1060.3	1.028	mg/L	1.028	mg/L	21:46:57
2	Sn 189.927†	2804.7	2299.0	0.5250	mg/L	0.5250	mg/L	21:46:57
2	Ti 337.279†	414071.6	340296.7	0.4795	mg/L	0.4795	mg/L	21:46:45
2	Tl 190.801†	857.0	701.4	0.4803	mg/L	0.4803	mg/L	21:46:57
2	V 292.402†	96150.8	79596.1	0.5021	mg/L	0.5021	mg/L	21:46:47
2	Zn 213.857†	58710.2	47383.6	0.5046	mg/L	0.5046	mg/L	21:46:47

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3048584.3	1.23 mg/L	0.017			1.41%
Ag 328.068†	29093.3	0.2463 mg/L	0.00353	0.2463 mg/L	0.00353	1.43%
QC value within limits for Ag		328.068	Recovery = 98.52%			
Al 237.313†	19203.1	2.476 mg/L	0.0219	2.476 mg/L	0.0219	0.89%
QC value within limits for Al		237.313	Recovery = 99.06%			
As 188.979†	405.2	0.5075 mg/L	0.00389	0.5075 mg/L	0.00389	0.77%
QC value within limits for As		188.979	Recovery = 101.49%			
B 182.528†	265.0	0.5225 mg/L	0.00450	0.5225 mg/L	0.00450	0.86%
QC value within limits for B		182.528	Recovery = 104.51%			
B 249.677†	857.8	0.5011 mg/L	0.01315	0.5011 mg/L	0.01315	2.62%
QC value within limits for B		249.677	Recovery = 100.21%			
Ba 233.527†	36430.9	0.5020 mg/L	0.00721	0.5020 mg/L	0.00721	1.44%
QC value within limits for Ba		233.527	Recovery = 100.39%			
Be 313.107†	80893.8	0.0482 mg/L	0.00038	0.0482 mg/L	0.00038	0.80%
QC value within limits for Be		313.107	Recovery = 96.41%			
Ca 315.887†	507915.0	4.771 mg/L	0.0056	4.771 mg/L	0.0056	0.12%
QC value within limits for Ca		315.887	Recovery = 95.42%			
Cd 228.802†	6796.0	0.2385 mg/L	0.00208	0.2385 mg/L	0.00208	0.87%
QC value within limits for Cd		228.802	Recovery = 95.40%			
Co 228.616†	19675.9	0.4906 mg/L	0.00601	0.4906 mg/L	0.00601	1.22%
QC value within limits for Co		228.616	Recovery = 98.12%			
Cr 267.716†	44602.1	0.4886 mg/L	0.00550	0.4886 mg/L	0.00550	1.13%
QC value within limits for Cr		267.716	Recovery = 97.72%			
Cu 324.752†	87738.0	0.4911 mg/L	0.00594	0.4911 mg/L	0.00594	1.21%
QC value within limits for Cu		324.752	Recovery = 98.22%			
Fe 234.349†	3136.4	2.695 mg/L	0.0084	2.695 mg/L	0.0084	0.31%
QC value within limits for Fe		234.349	Recovery = 107.81%			
Fe 238.204†	288829.3	2.430 mg/L	0.0245	2.430 mg/L	0.0245	1.01%
QC value within limits for Fe		238.204	Recovery = 97.20%			
K 766.490†	43579.1	23.64 mg/L	0.379	23.64 mg/L	0.379	1.61%
QC value within limits for K		766.490	Recovery = 94.55%			
Li 670.784†	15420.8	0.4769 mg/L	0.00270	0.4769 mg/L	0.00270	0.57%
QC value within limits for Li		670.784	Recovery = 95.38%			
Mg 279.077†	56606.5	4.956 mg/L	0.0538	4.956 mg/L	0.0538	1.09%
QC value within limits for Mg		279.077	Recovery = 99.13%			
Mn 257.610†	284813.6	0.5008 mg/L	0.00544	0.5008 mg/L	0.00544	1.09%
QC value within limits for Mn		257.610	Recovery = 100.16%			
Mo 202.031†	9151.5	0.4865 mg/L	0.00423	0.4865 mg/L	0.00423	0.87%
QC value within limits for Mo		202.031	Recovery = 97.30%			
Na 589.592†	144138.7	23.68 mg/L	0.360	23.68 mg/L	0.360	1.52%
QC value within limits for Na		589.592	Recovery = 94.71%			
Ni 231.604†	14770.6	0.5204 mg/L	0.00492	0.5204 mg/L	0.00492	0.94%
QC value within limits for Ni		231.604	Recovery = 104.09%			
P 214.914†	8035.4	4.802 mg/L	0.0549	4.802 mg/L	0.0549	1.14%
QC value within limits for P		214.914	Recovery = 96.05%			
Pb 220.353†	5595.7	0.4773 mg/L	0.00668	0.4773 mg/L	0.00668	1.40%
QC value within limits for Pb		220.353	Recovery = 95.47%			
Sb 206.836†	600.9	0.5042 mg/L	0.00835	0.5042 mg/L	0.00835	1.66%
QC value within limits for Sb		206.836	Recovery = 100.85%			
Se 196.026†	1055.2	1.023 mg/L	0.0071	1.023 mg/L	0.0071	0.69%
QC value within limits for Se		196.026	Recovery = 102.29%			
Sn 189.927†	2290.2	0.5230 mg/L	0.00284	0.5230 mg/L	0.00284	0.54%
QC value within limits for Sn		189.927	Recovery = 104.60%			
Sr 407.771†	47310.7	0.0501 mg/L	0.00082	0.0501 mg/L	0.00082	1.63%
QC value within limits for Sr		407.771	Recovery = 100.17%			
Ti 337.279†	340151.0	0.4793 mg/L	0.00029	0.4793 mg/L	0.00029	0.06%
QC value within limits for Ti		337.279	Recovery = 95.85%			
Tl 190.801†	694.4	0.4755 mg/L	0.00682	0.4755 mg/L	0.00682	1.43%
QC value within limits for Tl		190.801	Recovery = 95.09%			
V 292.402†	78998.6	0.4983 mg/L	0.00536	0.4983 mg/L	0.00536	1.07%
QC value within limits for V		292.402	Recovery = 99.66%			
Zn 213.857†	47109.4	0.5016 mg/L	0.00413	0.5016 mg/L	0.00413	0.82%
QC value within limits for Zn		213.857	Recovery = 100.33%			

All analyte(s) passed QC.

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	13.1	6.2	0.0062	mg/L	0.0062	mg/L	21:50:38
1	Fe 234.349†	5.5	10.1	0.0272	mg/L	0.0272	mg/L	21:50:38
1	K 766.490†	210.5	-2.5	0.1959	mg/L	0.1959	mg/L	21:50:28
1	Li 670.784†	-145.0	61.0	0.0025	mg/L	0.0025	mg/L	21:50:28
1	Na 589.592†	657.5	368.8	0.1616	mg/L	0.1616	mg/L	21:50:28
1	Sr 407.771†	181.6	12.5	0.0005	mg/L	0.0005	mg/L	21:50:28
1	Y 371.029	3136015.1	3136015.1	1.27	mg/L			21:51:02
1	Ag 328.068†	1457.1	-233.3	-0.0035	mg/L	-0.0035	mg/L	21:51:04
1	Al 237.313†	-106.6	43.3	-0.0022	mg/L	-0.0022	mg/L	21:51:15
1	As 188.979†	1.7	-1.6	-0.0004	mg/L	-0.0004	mg/L	21:51:15
1	B 182.528†	5.3	1.5	0.0083	mg/L	0.0083	mg/L	21:51:15
1	Ba 233.527†	-29.0	31.5	-0.0015	mg/L	-0.0015	mg/L	21:51:15
1	Be 313.107†	-487.1	131.1	-0.0001	mg/L	-0.0001	mg/L	21:51:04
1	Ca 315.887†	417.1	177.7	-0.0146	mg/L	-0.0146	mg/L	21:51:04
1	Cd 228.802†	79.5	-0.1	0.0000	mg/L	0.0000	mg/L	21:51:15
1	Co 228.616†	-49.2	26.0	-0.0021	mg/L	-0.0021	mg/L	21:51:15
1	Cr 267.716†	389.4	-100.8	-0.0043	mg/L	-0.0043	mg/L	21:51:04
1	Cu 324.752†	1655.6	74.5	-0.0029	mg/L	-0.0029	mg/L	21:51:04
1	Fe 238.204†	1569.2	1082.8	-0.0026	mg/L	-0.0026	mg/L	21:51:15
1	Mg 279.077†	235.8	51.4	-0.0333	mg/L	-0.0333	mg/L	21:51:04
1	Mn 257.610†	697.8	-617.0	-0.0040	mg/L	-0.0040	mg/L	21:51:15
1	Mo 202.031†	36.4	1.6	-0.0002	mg/L	-0.0002	mg/L	21:51:15
1	Ni 231.604†	5.0	22.7	-0.0030	mg/L	-0.0030	mg/L	21:51:15
1	P 214.914†	358.7	-59.4	-0.0074	mg/L	-0.0074	mg/L	21:51:15
1	Pb 220.353†	103.2	23.4	-0.0019	mg/L	-0.0019	mg/L	21:51:15
1	Sb 206.836†	36.7	-7.8	-0.0077	mg/L	-0.0077	mg/L	21:51:15
1	Se 196.026†	4.4	3.4	0.0018	mg/L	0.0018	mg/L	21:51:15
1	Sn 189.927†	3.9	0.2	-0.0026	mg/L	-0.0026	mg/L	21:51:15
1	Ti 337.279†	223.6	635.7	-0.0012	mg/L	-0.0012	mg/L	21:51:04
1	Tl 190.801†	3.2	0.5	-0.0041	mg/L	-0.0041	mg/L	21:51:15
1	V 292.402†	-636.6	180.2	-0.0010	mg/L	-0.0010	mg/L	21:51:04
1	Zn 213.857†	1061.6	37.3	-0.0007	mg/L	-0.0007	mg/L	21:51:15
2	B 249.677†	12.1	5.4	0.0058	mg/L	0.0058	mg/L	21:50:58
2	Fe 234.349†	12.2	15.3	0.0316	mg/L	0.0316	mg/L	21:50:58
2	K 766.490†	207.5	-5.4	0.1943	mg/L	0.1943	mg/L	21:50:48
2	Li 670.784†	-175.2	37.5	0.0017	mg/L	0.0017	mg/L	21:50:48
2	Na 589.592†	622.9	339.9	0.1569	mg/L	0.1569	mg/L	21:50:48
2	Sr 407.771†	201.5	27.7	0.0005	mg/L	0.0005	mg/L	21:50:48
2	Y 371.029	3145885.9	3145885.9	1.27	mg/L			21:51:17
2	Ag 328.068†	1369.8	-305.6	-0.0041	mg/L	-0.0041	mg/L	21:51:19
2	Al 237.313†	-67.3	74.5	0.0018	mg/L	0.0018	mg/L	21:51:29
2	As 188.979†	1.8	-1.5	-0.0003	mg/L	-0.0003	mg/L	21:51:29
2	B 182.528†	3.5	0.1	0.0056	mg/L	0.0056	mg/L	21:51:29
2	Ba 233.527†	-39.5	23.3	-0.0016	mg/L	-0.0016	mg/L	21:51:29
2	Be 313.107†	-463.2	151.2	-0.0001	mg/L	-0.0001	mg/L	21:51:19
2	Ca 315.887†	576.7	302.3	-0.0134	mg/L	-0.0134	mg/L	21:51:19
2	Cd 228.802†	86.3	5.1	0.0002	mg/L	0.0002	mg/L	21:51:29
2	Co 228.616†	-59.3	18.1	-0.0023	mg/L	-0.0023	mg/L	21:51:29
2	Cr 267.716†	438.2	-63.4	-0.0039	mg/L	-0.0039	mg/L	21:51:19
2	Cu 324.752†	1653.2	68.5	-0.0029	mg/L	-0.0029	mg/L	21:51:19
2	Fe 238.204†	1440.9	977.8	-0.0034	mg/L	-0.0034	mg/L	21:51:29
2	Mg 279.077†	195.1	18.7	-0.0362	mg/L	-0.0362	mg/L	21:51:19
2	Mn 257.610†	710.7	-608.6	-0.0040	mg/L	-0.0040	mg/L	21:51:29
2	Mo 202.031†	49.4	11.8	0.0004	mg/L	0.0004	mg/L	21:51:29
2	Ni 231.604†	-9.7	11.1	-0.0034	mg/L	-0.0034	mg/L	21:51:29
2	P 214.914†	374.4	-47.9	-0.0006	mg/L	-0.0006	mg/L	21:51:29
2	Pb 220.353†	76.0	1.7	-0.0037	mg/L	-0.0037	mg/L	21:51:29
2	Sb 206.836†	39.6	-5.7	-0.0059	mg/L	-0.0059	mg/L	21:51:29
2	Se 196.026†	-1.3	-1.1	-0.0026	mg/L	-0.0026	mg/L	21:51:29
2	Sn 189.927†	4.5	0.7	-0.0025	mg/L	-0.0025	mg/L	21:51:29
2	Ti 337.279†	278.3	678.2	-0.0011	mg/L	-0.0011	mg/L	21:51:19
2	Tl 190.801†	2.5	-0.1	-0.0045	mg/L	-0.0045	mg/L	21:51:29
2	V 292.402†	-741.3	99.4	-0.0015	mg/L	-0.0015	mg/L	21:51:19
2	Zn 213.857†	1055.3	29.8	-0.0008	mg/L	-0.0008	mg/L	21:51:29

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3140950.5	1.27 mg/L	0.003			0.22%
Ag 328.068†	-269.5	-0.0038 mg/L	0.00044	-0.0038 mg/L	0.00044	11.41%
QC value	less than the lower limit for Ag 328.068		Recovery =	Not calculated		
Al 237.313†	58.9	-0.0002 mg/L	0.00285	-0.0002 mg/L	0.00285	>999.9%
QC value	within limits for Al 237.313		Recovery =	Not calculated		
As 188.979†	-1.6	-0.0004 mg/L	0.00008	-0.0004 mg/L	0.00008	22.42%
QC value	within limits for As 188.979		Recovery =	Not calculated		
B 182.528†	0.8	0.0069 mg/L	0.00195	0.0069 mg/L	0.00195	27.99%
QC value	within limits for B 182.528		Recovery =	Not calculated		
B 249.677†	5.8	0.0060 mg/L	0.00033	0.0060 mg/L	0.00033	5.55%
QC value	within limits for B 249.677		Recovery =	Not calculated		
Ba 233.527†	27.4	-0.0015 mg/L	0.00008	-0.0015 mg/L	0.00008	5.28%
QC value	within limits for Ba 233.527		Recovery =	Not calculated		
Be 313.107†	141.1	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	10.81%
QC value	within limits for Be 313.107		Recovery =	Not calculated		
Ca 315.887†	240.0	-0.0140 mg/L	0.00083	-0.0140 mg/L	0.00083	5.92%
QC value	within limits for Ca 315.887		Recovery =	Not calculated		
Cd 228.802†	2.5	0.0001 mg/L	0.00013	0.0001 mg/L	0.00013	213.10%
QC value	within limits for Cd 228.802		Recovery =	Not calculated		
Co 228.616†	22.1	-0.0022 mg/L	0.00014	-0.0022 mg/L	0.00014	6.39%
QC value	less than the lower limit for Co 228.616		Recovery =	Not calculated		
Cr 267.716†	-82.1	-0.0041 mg/L	0.00029	-0.0041 mg/L	0.00029	7.10%
QC value	within limits for Cr 267.716		Recovery =	Not calculated		
Cu 324.752†	71.5	-0.0029 mg/L	0.00002	-0.0029 mg/L	0.00002	0.82%
QC value	within limits for Cu 324.752		Recovery =	Not calculated		
Fe 234.349†	12.7	0.0294 mg/L	0.00316	0.0294 mg/L	0.00316	10.73%
QC value	greater than the upper limit for Fe 234.349		Recovery =	Not calculated		
Fe 238.204†	1030.3	-0.0030 mg/L	0.00063	-0.0030 mg/L	0.00063	20.90%
QC value	within limits for Fe 238.204		Recovery =	Not calculated		
K 766.490†	-3.9	0.1951 mg/L	0.00109	0.1951 mg/L	0.00109	0.56%
QC value	greater than the upper limit for K 766.490		Recovery =	Not calculated		
Li 670.784†	49.3	0.0021 mg/L	0.00051	0.0021 mg/L	0.00051	24.31%
QC value	within limits for Li 670.784		Recovery =	Not calculated		
Mg 279.077†	35.0	-0.0347 mg/L	0.00204	-0.0347 mg/L	0.00204	5.87%
QC value	less than the lower limit for Mg 279.077		Recovery =	Not calculated		
Mn 257.610†	-612.8	-0.0040 mg/L	0.00001	-0.0040 mg/L	0.00001	0.26%
QC value	less than the lower limit for Mn 257.610		Recovery =	Not calculated		
Mo 202.031†	6.7	0.0001 mg/L	0.00038	0.0001 mg/L	0.00038	334.91%
QC value	within limits for Mo 202.031		Recovery =	Not calculated		
Na 589.592†	354.3	0.1592 mg/L	0.00334	0.1592 mg/L	0.00334	2.10%
QC value	greater than the upper limit for Na 589.592		Recovery =	Not calculated		
Ni 231.604†	16.9	-0.0032 mg/L	0.00029	-0.0032 mg/L	0.00029	9.11%
QC value	less than the lower limit for Ni 231.604		Recovery =	Not calculated		
P 214.914†	-53.7	-0.0040 mg/L	0.00482	-0.0040 mg/L	0.00482	119.17%
QC value	within limits for P 214.914		Recovery =	Not calculated		
Pb 220.353†	12.5	-0.0028 mg/L	0.00132	-0.0028 mg/L	0.00132	47.18%
QC value	within limits for Pb 220.353		Recovery =	Not calculated		
Sb 206.836†	-6.7	-0.0068 mg/L	0.00127	-0.0068 mg/L	0.00127	18.62%
QC value	within limits for Sb 206.836		Recovery =	Not calculated		
Se 196.026†	1.2	-0.0004 mg/L	0.00311	-0.0004 mg/L	0.00311	837.49%
QC value	within limits for Se 196.026		Recovery =	Not calculated		
Sn 189.927†	0.4	-0.0025 mg/L	0.00008	-0.0025 mg/L	0.00008	3.22%
QC value	within limits for Sn 189.927		Recovery =	Not calculated		
Sr 407.771†	20.1	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	2.37%
QC value	within limits for Sr 407.771		Recovery =	Not calculated		
Ti 337.279†	657.0	-0.0011 mg/L	0.00004	-0.0011 mg/L	0.00004	3.78%
QC value	less than the lower limit for Ti 337.279		Recovery =	Not calculated		
Tl 190.801†	0.2	-0.0043 mg/L	0.00027	-0.0043 mg/L	0.00027	6.20%
QC value	within limits for Tl 190.801		Recovery =	Not calculated		
V 292.402†	139.8	-0.0013 mg/L	0.00035	-0.0013 mg/L	0.00035	27.37%
QC value	within limits for V 292.402		Recovery =	Not calculated		
Zn 213.857†	33.6	-0.0007 mg/L	0.00006	-0.0007 mg/L	0.00006	7.82%
QC value	within limits for Zn 213.857		Recovery =	Not calculated		
QC Failed.	Continue with analysis.					

Sequence No.: 87
Sample ID: 1210126-02
Analyst:

Autosampler Location: 79
Date Collected: 10/6/2012 9:53:07 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	2.3	-2.3	0.0012	mg/L	0.0012	mg/L	21:54:52
1	Fe 234.349†	166497.1	132390.9	113.5	mg/L	113.5	mg/L	21:54:50
1	K 766.490†	17281.3	13572.0	7.497	mg/L	7.497	mg/L	21:54:52
1	Li 670.784†	3240.6	2752.1	0.0856	mg/L	0.0856	mg/L	21:54:52
1	Na 589.592†	3774.9	2850.9	0.5676	mg/L	0.5676	mg/L	21:54:52
1	Sr 407.771†	59370.7	47075.9	0.0498	mg/L	0.0498	mg/L	21:54:50
1	Y 371.029	3115260.6	3115260.6	1.26	mg/L			21:55:04
1	Ag 328.068†	34725.3	26226.6	0.2305	mg/L	0.2305	mg/L	21:55:07
1	Al 237.313†	678371.5	539514.3	69.65	mg/L	69.65	mg/L	21:55:04
1	As 188.979†	56.4	41.8	0.1004	mg/L	0.1004	mg/L	21:55:17
1	B 182.528†	13.1	7.8	0.0206	mg/L	0.0206	mg/L	21:55:17
1	Ba 233.527†	25815.3	20580.7	0.2826	mg/L	0.2826	mg/L	21:55:07
1	Be 313.107†	7162.3	6210.7	0.0036	mg/L	0.0036	mg/L	21:55:07
1	Ca 315.887†	1127804.2	896587.9	8.434	mg/L	8.434	mg/L	21:55:04
1	Cd 228.802†	200.4	96.5	0.0031	mg/L	0.0031	mg/L	21:55:17
1	Co 228.616†	2057.5	1700.8	0.0321	mg/L	0.0321	mg/L	21:55:17
1	Cr 267.716†	18098.4	13982.1	0.1508	mg/L	0.1508	mg/L	21:55:07
1	Cu 324.752†	337955.4	267481.9	1.506	mg/L	1.506	mg/L	21:55:04
1	Fe 238.204†	14557094.3	11574480.2	97.82	mg/L	97.82	mg/L	21:55:02
1	Mg 279.077†	220080.0	174855.1	15.39	mg/L	15.39	mg/L	21:55:07
1	Mn 257.610†	1138666.1	904208.0	1.596	mg/L	1.596	mg/L	21:55:04
1	Mo 202.031†	277.2	193.3	-0.0263	mg/L	-0.0263	mg/L	21:55:17
1	Ni 231.604†	4764.2	3806.9	0.1311	mg/L	0.1311	mg/L	21:55:17
1	P 214.914†	9622.2	7308.1	4.616	mg/L	4.616	mg/L	21:55:17
1	Pb 220.353†	32003.4	25388.4	2.166	mg/L	2.166	mg/L	21:55:07
1	Sb 206.836†	72.5	20.9	-0.0334	mg/L	-0.0334	mg/L	21:55:17
1	Se 196.026†	-26.7	-21.3	0.0262	mg/L	0.0262	mg/L	21:55:17
1	Sn 189.927†	1057.7	838.1	0.5186	mg/L	0.5186	mg/L	21:55:17
1	Ti 337.279†	3575710.4	2843578.0	4.022	mg/L	4.022	mg/L	21:55:04
1	Tl 190.801†	11.6	7.2	-0.0709	mg/L	-0.0709	mg/L	21:55:17
1	V 292.402†	122562.3	98134.8	0.5888	mg/L	0.5888	mg/L	21:55:07
1	Zn 213.857†	79396.6	62328.7	0.6656	mg/L	0.6656	mg/L	21:55:07
2	B 249.677†	15.5	8.3	0.0074	mg/L	0.0074	mg/L	21:54:57
2	Fe 234.349†	172111.8	138097.0	118.4	mg/L	118.4	mg/L	21:54:55
2	K 766.490†	17202.2	13633.2	7.530	mg/L	7.530	mg/L	21:54:57
2	Li 670.784†	3325.4	2843.6	0.0884	mg/L	0.0884	mg/L	21:54:57
2	Na 589.592†	3866.1	2951.3	0.5840	mg/L	0.5840	mg/L	21:54:57
2	Sr 407.771†	61210.7	48980.5	0.0518	mg/L	0.0518	mg/L	21:54:55
2	Y 371.029	3087248.9	3087248.9	1.25	mg/L			21:55:22
2	Ag 328.068†	35021.2	26714.5	0.2350	mg/L	0.2350	mg/L	21:55:25
2	Al 237.313†	671748.7	539094.6	69.59	mg/L	69.59	mg/L	21:55:22
2	As 188.979†	60.8	45.8	0.1074	mg/L	0.1074	mg/L	21:55:35
2	B 182.528†	12.1	7.1	0.0191	mg/L	0.0191	mg/L	21:55:35
2	Ba 233.527†	25956.2	20880.0	0.2867	mg/L	0.2867	mg/L	21:55:25
2	Be 313.107†	7113.2	6223.0	0.0036	mg/L	0.0036	mg/L	21:55:25
2	Ca 315.887†	1115327.9	894714.1	8.417	mg/L	8.417	mg/L	21:55:22
2	Cd 228.802†	197.2	95.4	0.0031	mg/L	0.0031	mg/L	21:55:35
2	Co 228.616†	2023.7	1688.6	0.0318	mg/L	0.0318	mg/L	21:55:35
2	Cr 267.716†	18281.7	14259.7	0.1538	mg/L	0.1538	mg/L	21:55:25
2	Cu 324.752†	335477.9	267932.2	1.509	mg/L	1.509	mg/L	21:55:22
2	Fe 238.204†	14424228.2	11572897.8	97.80	mg/L	97.80	mg/L	21:55:20
2	Mg 279.077†	221749.0	177781.9	15.65	mg/L	15.65	mg/L	21:55:25
2	Mn 257.610†	1128285.8	904094.3	1.596	mg/L	1.596	mg/L	21:55:22
2	Mo 202.031†	277.5	195.5	-0.0277	mg/L	-0.0277	mg/L	21:55:35
2	Ni 231.604†	4711.1	3798.7	0.1308	mg/L	0.1308	mg/L	21:55:35
2	P 214.914†	9570.7	7336.2	4.644	mg/L	4.644	mg/L	21:55:35
2	Pb 220.353†	32046.9	25654.2	2.189	mg/L	2.189	mg/L	21:55:25
2	Sb 206.836†	73.0	21.8	-0.0348	mg/L	-0.0348	mg/L	21:55:35
2	Se 196.026†	-21.8	-17.5	0.0319	mg/L	0.0319	mg/L	21:55:35
2	Sn 189.927†	1034.6	827.3	0.5304	mg/L	0.5304	mg/L	21:55:35
2	Ti 337.279†	3548538.2	2847573.4	4.027	mg/L	4.027	mg/L	21:55:22
2	Tl 190.801†	11.4	7.1	-0.0738	mg/L	-0.0738	mg/L	21:55:35
2	V 292.402†	123622.2	99869.4	0.5988	mg/L	0.5988	mg/L	21:55:25
2	Zn 213.857†	79988.9	63376.7	0.6768	mg/L	0.6768	mg/L	21:55:25

Mean Data: 1210126-02

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3101254.7	1.25	mg/L	0.008				0.64%
Ag 328.068†	26470.5	0.2327	mg/L	0.00320	0.2327	mg/L	0.00320	1.38%
Al 237.313†	539304.4	69.62	mg/L	0.038	69.62	mg/L	0.038	0.06%
As 188.979†	43.8	0.1039	mg/L	0.00493	0.1039	mg/L	0.00493	4.75%
B 182.528†	7.4	0.0199	mg/L	0.00100	0.0199	mg/L	0.00100	5.06%
B 249.677†	3.0	0.0043	mg/L	0.00436	0.0043	mg/L	0.00436	101.95%
Ba 233.527†	20730.3	0.2846	mg/L	0.00292	0.2846	mg/L	0.00292	1.03%
Be 313.107†	6216.9	0.0036	mg/L	0.00001	0.0036	mg/L	0.00001	0.15%
Ca 315.887†	895651.0	8.425	mg/L	0.0124	8.425	mg/L	0.0124	0.15%
Cd 228.802†	96.0	0.0031	mg/L	0.00004	0.0031	mg/L	0.00004	1.42%
Co 228.616†	1694.7	0.0319	mg/L	0.00023	0.0319	mg/L	0.00023	0.71%
Cr 267.716†	14120.9	0.1523	mg/L	0.00216	0.1523	mg/L	0.00216	1.42%
Cu 324.752†	267707.1	1.507	mg/L	0.0018	1.507	mg/L	0.0018	0.12%
Fe 234.349†	135243.9	115.9	mg/L	3.46	115.9	mg/L	3.46	2.98%
Fe 238.204†	11573689.0	97.81	mg/L	0.009	97.81	mg/L	0.009	0.01%
K 766.490†	13602.6	7.514	mg/L	0.0233	7.514	mg/L	0.0233	0.31%
Li 670.784†	2797.8	0.0870	mg/L	0.00200	0.0870	mg/L	0.00200	2.29%
Mg 279.077†	176318.5	15.52	mg/L	0.183	15.52	mg/L	0.183	1.18%
Mn 257.610†	904151.1	1.596	mg/L	0.0001	1.596	mg/L	0.0001	0.01%
Mo 202.031†	194.4	-0.0270	mg/L	0.00099	-0.0270	mg/L	0.00099	3.68%
Na 589.592†	2901.1	0.5758	mg/L	0.01161	0.5758	mg/L	0.01161	2.02%
Ni 231.604†	3802.8	0.1310	mg/L	0.00021	0.1310	mg/L	0.00021	0.16%
P 214.914†	7322.2	4.630	mg/L	0.0199	4.630	mg/L	0.0199	0.43%
Pb 220.353†	25521.3	2.178	mg/L	0.0162	2.178	mg/L	0.0162	0.74%
Sb 206.836†	21.3	-0.0341	mg/L	0.00099	-0.0341	mg/L	0.00099	2.90%
Se 196.026†	-19.4	0.0291	mg/L	0.00403	0.0291	mg/L	0.00403	13.86%
Sn 189.927†	832.7	0.5245	mg/L	0.00837	0.5245	mg/L	0.00837	1.60%
Sr 407.771†	48028.2	0.0508	mg/L	0.00141	0.0508	mg/L	0.00141	2.78%
Ti 337.279†	2845575.7	4.025	mg/L	0.0040	4.025	mg/L	0.0040	0.10%
Tl 190.801†	7.2	-0.0724	mg/L	0.00201	-0.0724	mg/L	0.00201	2.78%
V 292.402†	99002.1	0.5938	mg/L	0.00704	0.5938	mg/L	0.00704	1.19%
Zn 213.857†	62852.7	0.6712	mg/L	0.00797	0.6712	mg/L	0.00797	1.19%

Sequence No.: 88

Sample ID: 1210126-03

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 80

Date Collected: 10/6/2012 9:57:13 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-03

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time
		Intensity	Corrected Intensity		Conc. Units	Conc. Units	
1	B 249.677†	12.0	5.4	0.0057 mg/L	0.0057	mg/L	21:58:55
1	Fe 234.349†	162878.6	130552.1	111.9 mg/L	111.9	mg/L	21:58:53
1	K 766.490†	16576.8	13117.5	7.253 mg/L	7.253	mg/L	21:58:55
1	Li 670.784†	3185.6	2728.7	0.0849 mg/L	0.0849	mg/L	21:58:55
1	Na 589.592†	3808.9	2902.2	0.5760 mg/L	0.5760	mg/L	21:58:55
1	Sr 407.771†	60397.7	48277.4	0.0511 mg/L	0.0511	mg/L	21:58:53
1	Y 371.029	3090483.9	3090483.9	1.25 mg/L			21:59:07
1	Ag 328.068†	13550.1	9476.1	0.0878 mg/L	0.0878	mg/L	21:59:10
1	Al 237.313†	727612.4	583304.9	75.30 mg/L	75.30	mg/L	21:59:07
1	As 188.979†	62.0	46.7	0.1061 mg/L	0.1061	mg/L	21:59:20
1	B 182.528†	10.9	6.1	0.0172 mg/L	0.0172	mg/L	21:59:20
1	Ba 233.527†	24279.1	19514.0	0.2679 mg/L	0.2679	mg/L	21:59:10
1	Be 313.107†	7479.9	6510.9	0.0037 mg/L	0.0037	mg/L	21:59:10
1	Ca 315.887†	1022838.1	819647.4	7.708 mg/L	7.708	mg/L	21:59:07
1	Cd 228.802†	201.8	98.9	0.0032 mg/L	0.0032	mg/L	21:59:20
1	Co 228.616†	2251.0	1869.0	0.0366 mg/L	0.0366	mg/L	21:59:20
1	Cr 267.716†	9750.3	7406.5	0.0784 mg/L	0.0784	mg/L	21:59:10
1	Cu 324.752†	319658.5	254971.3	1.435 mg/L	1.435	mg/L	21:59:07
1	Fe 238.204†	13606468.7	10905353.9	92.16 mg/L	92.16	mg/L	21:59:05
1	Mg 279.077†	204559.4	163818.3	14.42 mg/L	14.42	mg/L	21:59:07
1	Mn 257.610†	1123895.7	899628.1	1.588 mg/L	1.588	mg/L	21:59:07
1	Mo 202.031†	143.6	88.0	-0.0314 mg/L	-0.0314	mg/L	21:59:10
1	Ni 231.604†	3763.7	3035.4	0.1038 mg/L	0.1038	mg/L	21:59:10
1	P 214.914†	7827.4	5930.9	3.794 mg/L	3.794	mg/L	21:59:10
1	Pb 220.353†	14638.8	11674.8	0.9811 mg/L	0.9811	mg/L	21:59:10
1	Sb 206.836†	64.4	14.8	-0.0379 mg/L	-0.0379	mg/L	21:59:20

1	Se 196.026†	-18.6	-15.0	0.0316 mg/L	0.0316 mg/L	21:59:20
1	Sn 189.927†	206.0	162.2	0.3611 mg/L	0.3611 mg/L	21:59:20
1	Ti 337.279†	3436256.9	2754600.4	3.896 mg/L	3.896 mg/L	21:59:07
1	Tl 190.801†	3.2	0.6	-0.0742 mg/L	-0.0742 mg/L	21:59:20
1	V 292.402†	89367.2	72310.4	0.4270 mg/L	0.4270 mg/L	21:59:10
1	Zn 213.857†	87105.4	69013.4	0.7377 mg/L	0.7377 mg/L	21:59:10
2	B 249.677†	11.4	5.0	0.0054 mg/L	0.0054 mg/L	21:59:00
2	Fe 234.349†	163936.5	131549.0	112.8 mg/L	112.8 mg/L	21:58:58
2	K 766.490†	16603.6	13154.1	7.272 mg/L	7.272 mg/L	21:59:00
2	Li 670.784†	3149.0	2702.2	0.0841 mg/L	0.0841 mg/L	21:59:00
2	Na 589.592†	3739.3	2849.8	0.5674 mg/L	0.5674 mg/L	21:59:00
2	Sr 407.771†	60599.8	48494.6	0.0513 mg/L	0.0513 mg/L	21:58:58
2	Y 371.029	3086982.7	3086982.7	1.25 mg/L		21:59:25
2	Ag 328.068†	13633.0	9555.0	0.0885 mg/L	0.0885 mg/L	21:59:28
2	Al 237.313†	728263.3	584488.6	75.45 mg/L	75.45 mg/L	21:59:25
2	As 188.979†	61.2	46.1	0.1058 mg/L	0.1058 mg/L	21:59:38
2	B 182.528†	16.2	10.3	0.0255 mg/L	0.0255 mg/L	21:59:38
2	Ba 233.527†	24209.9	19480.5	0.2674 mg/L	0.2674 mg/L	21:59:28
2	Be 313.107†	7268.8	6348.4	0.0036 mg/L	0.0036 mg/L	21:59:28
2	Ca 315.887†	1023229.6	820891.4	7.720 mg/L	7.720 mg/L	21:59:25
2	Cd 228.802†	205.2	101.9	0.0033 mg/L	0.0033 mg/L	21:59:38
2	Co 228.616†	2254.2	1873.7	0.0366 mg/L	0.0366 mg/L	21:59:38
2	Cr 267.716†	9775.4	7435.5	0.0787 mg/L	0.0787 mg/L	21:59:28
2	Cu 324.752†	320670.3	256073.7	1.442 mg/L	1.442 mg/L	21:59:25
2	Fe 238.204†	13561310.1	10881487.1	91.96 mg/L	91.96 mg/L	21:59:23
2	Mg 279.077†	204844.7	164233.2	14.45 mg/L	14.45 mg/L	21:59:25
2	Mn 257.610†	1124548.4	901173.4	1.591 mg/L	1.591 mg/L	21:59:25
2	Mo 202.031†	115.2	65.3	-0.0329 mg/L	-0.0329 mg/L	21:59:28
2	Ni 231.604†	3714.6	2999.4	0.1025 mg/L	0.1025 mg/L	21:59:28
2	P 214.914†	7731.6	5861.1	3.754 mg/L	3.754 mg/L	21:59:28
2	Pb 220.353†	14610.3	11665.2	0.9802 mg/L	0.9802 mg/L	21:59:28
2	Sb 206.836†	56.9	8.8	-0.0434 mg/L	-0.0434 mg/L	21:59:38
2	Se 196.026†	-25.3	-20.4	0.0268 mg/L	0.0268 mg/L	21:59:38
2	Sn 189.927†	185.9	146.3	0.3600 mg/L	0.3600 mg/L	21:59:38
2	Ti 337.279†	3441980.3	2762316.5	3.907 mg/L	3.907 mg/L	21:59:25
2	Tl 190.801†	6.5	3.2	-0.0728 mg/L	-0.0728 mg/L	21:59:38
2	V 292.402†	89060.2	72145.3	0.4258 mg/L	0.4258 mg/L	21:59:28
2	Zn 213.857†	86571.7	68664.3	0.7339 mg/L	0.7339 mg/L	21:59:28

Mean Data: 1210126-03

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3088733.3	1.25 mg/L		0.001				0.08%
Ag 328.068†	9515.5	0.0882 mg/L		0.00052	0.0882 mg/L		0.00052	0.59%
Al 237.313†	583896.7	75.37 mg/L		0.108	75.37 mg/L		0.108	0.14%
As 188.979†	46.4	0.1060 mg/L		0.00024	0.1060 mg/L		0.00024	0.23%
B 182.528†	8.2	0.0214 mg/L		0.00586	0.0214 mg/L		0.00586	27.41%
B 249.677†	5.2	0.0055 mg/L		0.00019	0.0055 mg/L		0.00019	3.35%
Ba 233.527†	19497.3	0.2677 mg/L		0.00033	0.2677 mg/L		0.00033	0.12%
Be 313.107†	6429.7	0.0037 mg/L		0.00007	0.0037 mg/L		0.00007	1.86%
Ca 315.887†	820269.4	7.714 mg/L		0.0083	7.714 mg/L		0.0083	0.11%
Cd 228.802†	100.4	0.0032 mg/L		0.00008	0.0032 mg/L		0.00008	2.35%
Co 228.616†	1871.3	0.0366 mg/L		0.00007	0.0366 mg/L		0.00007	0.18%
Cr 267.716†	7421.0	0.0785 mg/L		0.00022	0.0785 mg/L		0.00022	0.29%
Cu 324.752†	255522.5	1.439 mg/L		0.0044	1.439 mg/L		0.0044	0.31%
Fe 234.349†	131050.5	112.3 mg/L		0.60	112.3 mg/L		0.60	0.54%
Fe 238.204†	10893420.5	92.06 mg/L		0.143	92.06 mg/L		0.143	0.15%
K 766.490†	13135.8	7.263 mg/L		0.0139	7.263 mg/L		0.0139	0.19%
Li 670.784†	2715.4	0.0845 mg/L		0.00058	0.0845 mg/L		0.00058	0.68%
Mg 279.077†	164025.8	14.43 mg/L		0.026	14.43 mg/L		0.026	0.18%
Mn 257.610†	900400.7	1.589 mg/L		0.0019	1.589 mg/L		0.0019	0.12%
Mo 202.031†	76.6	-0.0321 mg/L		0.00104	-0.0321 mg/L		0.00104	3.25%
Na 589.592†	2876.0	0.5717 mg/L		0.00606	0.5717 mg/L		0.00606	1.06%
Ni 231.604†	3017.4	0.1032 mg/L		0.00090	0.1032 mg/L		0.00090	0.87%
P 214.914†	5896.0	3.774 mg/L		0.0280	3.774 mg/L		0.0280	0.74%
Pb 220.353†	11670.0	0.9806 mg/L		0.00062	0.9806 mg/L		0.00062	0.06%
Sb 206.836†	11.8	-0.0407 mg/L		0.00384	-0.0407 mg/L		0.00384	9.43%
Se 196.026†	-17.7	0.0292 mg/L		0.00342	0.0292 mg/L		0.00342	11.71%
Sn 189.927†	154.3	0.3606 mg/L		0.00078	0.3606 mg/L		0.00078	0.22%
Sr 407.771†	48386.0	0.0512 mg/L		0.00016	0.0512 mg/L		0.00016	0.31%
Ti 337.279†	2758458.4	3.901 mg/L		0.0077	3.901 mg/L		0.0077	0.20%
Tl 190.801†	1.9	-0.0735 mg/L		0.00094	-0.0735 mg/L		0.00094	1.28%

V 292.402†	72227.9	0.4264 mg/L	0.00086	0.4264 mg/L	0.00086	0.20%
Zn 213.857†	68838.8	0.7358 mg/L	0.00266	0.7358 mg/L	0.00266	0.36%

Sequence No.: 89	Autosampler Location: 81
Sample ID: 1210126-04	Date Collected: 10/6/2012 10:01:16 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210126-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	8.5	2.5	0.0039 mg/L	0.0039 mg/L	22:02:58
1	Fe 234.349†	167229.2	130761.2	112.1 mg/L	112.1 mg/L	22:02:56
1	K 766.490†	13529.9	10410.3	5.797 mg/L	5.797 mg/L	22:02:58
1	Li 670.784†	2940.0	2474.2	0.0770 mg/L	0.0770 mg/L	22:02:58
1	Na 589.592†	3245.8	2387.3	0.4918 mg/L	0.4918 mg/L	22:02:58
1	Sr 407.771†	49921.0	38901.9	0.0413 mg/L	0.0413 mg/L	22:02:56
1	Y 371.029	3167957.8	3167957.8	1.28 mg/L		22:03:10
1	Ag 328.068†	22957.0	16565.7	0.1481 mg/L	0.1481 mg/L	22:03:12
1	Al 237.313†	609328.0	476557.2	61.52 mg/L	61.52 mg/L	22:03:10
1	As 188.979†	58.7	42.9	0.1016 mg/L	0.1016 mg/L	22:03:22
1	B 182.528†	14.3	8.5	0.0220 mg/L	0.0220 mg/L	22:03:22
1	Ba 233.527†	24441.7	19165.2	0.2631 mg/L	0.2631 mg/L	22:03:12
1	Be 313.107†	7076.4	6048.8	0.0035 mg/L	0.0035 mg/L	22:03:12
1	Ca 315.887†	865921.6	676906.8	6.363 mg/L	6.363 mg/L	22:03:10
1	Cd 228.802†	179.6	77.6	0.0024 mg/L	0.0024 mg/L	22:03:22
1	Co 228.616†	2567.0	2072.0	0.0428 mg/L	0.0428 mg/L	22:03:22
1	Cr 267.716†	11517.0	8596.7	0.0915 mg/L	0.0915 mg/L	22:03:12
1	Cu 324.752†	244679.5	190080.1	1.070 mg/L	1.070 mg/L	22:03:12
1	Fe 238.204†	13989976.2	10938516.6	92.44 mg/L	92.44 mg/L	22:03:07
1	Mg 279.077†	196602.5	153587.4	13.51 mg/L	13.51 mg/L	22:03:12
1	Mn 257.610†	1198412.1	935862.6	1.652 mg/L	1.652 mg/L	22:03:10
1	Mo 202.031†	187.6	119.6	-0.0295 mg/L	-0.0295 mg/L	22:03:22
1	Ni 231.604†	3538.8	2785.8	0.0949 mg/L	0.0949 mg/L	22:03:22
1	P 214.914†	8681.7	6445.4	4.107 mg/L	4.107 mg/L	22:03:22
1	Pb 220.353†	20521.6	15987.5	1.357 mg/L	1.357 mg/L	22:03:12
1	Sb 206.836†	62.6	12.1	-0.0403 mg/L	-0.0403 mg/L	22:03:22
1	Se 196.026†	-33.5	-26.3	0.0208 mg/L	0.0208 mg/L	22:03:22
1	Sn 189.927†	724.6	563.7	0.4524 mg/L	0.4524 mg/L	22:03:22
1	Ti 337.279†	2982725.6	2332633.3	3.299 mg/L	3.299 mg/L	22:03:10
1	Tl 190.801†	6.3	2.9	-0.0717 mg/L	-0.0717 mg/L	22:03:22
1	V 292.402†	84698.8	66908.5	0.3937 mg/L	0.3937 mg/L	22:03:12
1	Zn 213.857†	68703.9	52918.0	0.5654 mg/L	0.5654 mg/L	22:03:12
2	B 249.677†	-8.8	-11.1	-0.0040 mg/L	-0.0040 mg/L	22:03:02
2	Fe 234.349†	165766.0	130353.7	111.7 mg/L	111.7 mg/L	22:03:00
2	K 766.490†	13371.3	10345.7	5.762 mg/L	5.762 mg/L	22:03:02
2	Li 670.784†	2980.4	2519.0	0.0784 mg/L	0.0784 mg/L	22:03:02
2	Na 589.592†	3215.2	2377.7	0.4902 mg/L	0.4902 mg/L	22:03:02
2	Sr 407.771†	49502.0	38794.3	0.0412 mg/L	0.0412 mg/L	22:03:00
2	Y 371.029	3150055.2	3150055.2	1.27 mg/L		22:03:28
2	Ag 328.068†	23003.2	16704.1	0.1493 mg/L	0.1493 mg/L	22:03:30
2	Al 237.313†	604777.1	475686.3	61.40 mg/L	61.40 mg/L	22:03:28
2	As 188.979†	60.4	44.5	0.1034 mg/L	0.1034 mg/L	22:03:40
2	B 182.528†	12.8	7.4	0.0198 mg/L	0.0198 mg/L	22:03:40
2	Ba 233.527†	24464.3	19291.6	0.2648 mg/L	0.2648 mg/L	22:03:30
2	Be 313.107†	7120.0	6114.6	0.0035 mg/L	0.0035 mg/L	22:03:30
2	Ca 315.887†	861661.3	677404.7	6.368 mg/L	6.368 mg/L	22:03:28
2	Cd 228.802†	175.2	75.0	0.0023 mg/L	0.0023 mg/L	22:03:40
2	Co 228.616†	2586.0	2098.3	0.0435 mg/L	0.0435 mg/L	22:03:40
2	Cr 267.716†	11591.5	8706.5	0.0927 mg/L	0.0927 mg/L	22:03:30
2	Cu 324.752†	245199.9	191576.6	1.078 mg/L	1.078 mg/L	22:03:30
2	Fe 238.204†	13916884.7	10943209.2	92.48 mg/L	92.48 mg/L	22:03:25
2	Mg 279.077†	197591.4	155238.6	13.66 mg/L	13.66 mg/L	22:03:30
2	Mn 257.610†	1190389.6	934879.6	1.650 mg/L	1.650 mg/L	22:03:28
2	Mo 202.031†	200.5	130.6	-0.0288 mg/L	-0.0288 mg/L	22:03:40
2	Ni 231.604†	3567.4	2824.0	0.0963 mg/L	0.0963 mg/L	22:03:40
2	P 214.914†	8722.0	6515.7	4.148 mg/L	4.148 mg/L	22:03:40
2	Pb 220.353†	20671.2	16196.4	1.376 mg/L	1.376 mg/L	22:03:30
2	Sb 206.836†	63.0	12.7	-0.0396 mg/L	-0.0396 mg/L	22:03:40
2	Se 196.026†	-24.2	-19.1	0.0276 mg/L	0.0276 mg/L	22:03:40

2	Sn 189.927†	709.0	554.7	0.4494 mg/L	0.4494 mg/L	22:03:40
2	Ti 337.279†	2960646.3	2328525.9	3.293 mg/L	3.293 mg/L	22:03:28
2	Tl 190.801†	-0.5	-2.4	-0.0753 mg/L	-0.0753 mg/L	22:03:40
2	V 292.402†	85023.7	67540.4	0.3977 mg/L	0.3977 mg/L	22:03:30
2	Zn 213.857†	68968.3	53431.2	0.5709 mg/L	0.5709 mg/L	22:03:30

Mean Data: 1210126-04

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3159006.5	1.28 mg/L	0.005			0.40%
Ag 328.068†	16634.9	0.1487 mg/L	0.00081	0.1487 mg/L	0.00081	0.55%
Al 237.313†	476121.8	61.46 mg/L	0.079	61.46 mg/L	0.079	0.13%
As 188.979†	43.7	0.1025 mg/L	0.00131	0.1025 mg/L	0.00131	1.28%
B 182.528†	8.0	0.0209 mg/L	0.00153	0.0209 mg/L	0.00153	7.35%
B 249.677†	-4.3	0.0000 mg/L	0.00558	0.0000 mg/L	0.00558	>999.9%
Ba 233.527†	19228.4	0.2640 mg/L	0.00123	0.2640 mg/L	0.00123	0.47%
Be 313.107†	6081.7	0.0035 mg/L	0.00003	0.0035 mg/L	0.00003	0.80%
Ca 315.887†	677155.8	6.366 mg/L	0.0033	6.366 mg/L	0.0033	0.05%
Cd 228.802†	76.3	0.0024 mg/L	0.00007	0.0024 mg/L	0.00007	3.02%
Co 228.616†	2085.2	0.0432 mg/L	0.00048	0.0432 mg/L	0.00048	1.10%
Cr 267.716†	8651.6	0.0921 mg/L	0.00086	0.0921 mg/L	0.00086	0.93%
Cu 324.752†	190828.3	1.074 mg/L	0.0060	1.074 mg/L	0.0060	0.55%
Fe 234.349†	130557.5	111.9 mg/L	0.25	111.9 mg/L	0.25	0.22%
Fe 238.204†	10940862.9	92.46 mg/L	0.028	92.46 mg/L	0.028	0.03%
K 766.490†	10378.0	5.779 mg/L	0.0246	5.779 mg/L	0.0246	0.43%
Li 670.784†	2496.6	0.0777 mg/L	0.00098	0.0777 mg/L	0.00098	1.26%
Mg 279.077†	154413.0	13.59 mg/L	0.103	13.59 mg/L	0.103	0.76%
Mn 257.610†	935371.1	1.651 mg/L	0.0012	1.651 mg/L	0.0012	0.07%
Mo 202.031†	125.1	-0.0292 mg/L	0.00049	-0.0292 mg/L	0.00049	1.67%
Na 589.592†	2382.5	0.4910 mg/L	0.00111	0.4910 mg/L	0.00111	0.23%
Ni 231.604†	2804.9	0.0956 mg/L	0.00096	0.0956 mg/L	0.00096	1.00%
P 214.914†	6480.6	4.127 mg/L	0.0289	4.127 mg/L	0.0289	0.70%
Pb 220.353†	16092.0	1.367 mg/L	0.0128	1.367 mg/L	0.0128	0.93%
Sb 206.836†	12.4	-0.0400 mg/L	0.00047	-0.0400 mg/L	0.00047	1.19%
Se 196.026†	-22.7	0.0242 mg/L	0.00480	0.0242 mg/L	0.00480	19.88%
Sn 189.927†	559.2	0.4509 mg/L	0.00216	0.4509 mg/L	0.00216	0.48%
Sr 407.771†	38848.1	0.0412 mg/L	0.00008	0.0412 mg/L	0.00008	0.19%
Ti 337.279†	2330579.6	3.296 mg/L	0.0041	3.296 mg/L	0.0041	0.12%
Tl 190.801†	0.2	-0.0735 mg/L	0.00249	-0.0735 mg/L	0.00249	3.39%
V 292.402†	67224.4	0.3957 mg/L	0.00286	0.3957 mg/L	0.00286	0.72%
Zn 213.857†	53174.6	0.5681 mg/L	0.00389	0.5681 mg/L	0.00389	0.68%

Sequence No.: 90

Sample ID: 1210126-05

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 82

Date Collected: 10/6/2012 10:05:18 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.2	-1.6	0.0016 mg/L	0.0016 mg/L	22:07:12
1	Fe 234.349†	127046.6	99927.4	85.67 mg/L	85.67 mg/L	22:07:02
1	K 766.490†	14017.9	10856.3	6.036 mg/L	6.036 mg/L	22:07:12
1	Li 670.784†	2093.2	1821.7	0.0569 mg/L	0.0569 mg/L	22:07:12
1	Na 589.592†	2785.5	2040.2	0.4350 mg/L	0.4350 mg/L	22:07:12
1	Sr 407.771†	36433.3	28523.7	0.0304 mg/L	0.0304 mg/L	22:07:02
1	Y 371.029	3149419.9	3149419.9	1.27 mg/L		22:07:32
1	Ag 328.068†	12181.7	8196.7	0.0748 mg/L	0.0748 mg/L	22:07:35
1	Al 237.313†	518018.6	407547.1	52.61 mg/L	52.61 mg/L	22:07:32
1	As 188.979†	39.7	28.2	0.0724 mg/L	0.0724 mg/L	22:07:45
1	B 182.528†	7.8	3.5	0.0121 mg/L	0.0121 mg/L	22:07:45
1	Ba 233.527†	17025.0	13444.5	0.1840 mg/L	0.1840 mg/L	22:07:35
1	Be 313.107†	4989.4	4440.0	0.0025 mg/L	0.0025 mg/L	22:07:35
1	Ca 315.887†	741079.9	582704.6	5.475 mg/L	5.475 mg/L	22:07:32
1	Cd 228.802†	145.9	52.0	0.0016 mg/L	0.0016 mg/L	22:07:45
1	Co 228.616†	1701.8	1403.4	0.0268 mg/L	0.0268 mg/L	22:07:45
1	Cr 267.716†	6575.7	4763.4	0.0493 mg/L	0.0493 mg/L	22:07:35
1	Cu 324.752†	160927.8	125335.9	0.7047 mg/L	0.7047 mg/L	22:07:32
1	Fe 238.204†	11209231.2	8815858.1	74.50 mg/L	74.50 mg/L	22:07:29

1	Mg	279.077†	160031.4	125729.2	11.06	mg/L	11.06	mg/L	22:07:32
1	Mn	257.610†	1217165.7	956127.6	1.688	mg/L	1.688	mg/L	22:07:32
1	Mo	202.031†	123.0	69.6	-0.0237	mg/L	-0.0237	mg/L	22:07:35
1	Ni	231.604†	2124.9	1690.0	0.0561	mg/L	0.0561	mg/L	22:07:35
1	P	214.914†	6160.8	4502.8	2.896	mg/L	2.896	mg/L	22:07:45
1	Pb	220.353†	8838.0	6892.9	0.5755	mg/L	0.5755	mg/L	22:07:35
1	Sb	206.836†	65.0	14.3	-0.0270	mg/L	-0.0270	mg/L	22:07:45
1	Se	196.026†	-24.4	-19.3	0.0163	mg/L	0.0163	mg/L	22:07:45
1	Sn	189.927†	185.0	142.6	0.2800	mg/L	0.2800	mg/L	22:07:45
1	Ti	337.279†	2601743.3	2046719.7	2.894	mg/L	2.894	mg/L	22:07:32
1	Tl	190.801†	6.6	3.2	-0.0555	mg/L	-0.0555	mg/L	22:07:45
1	V	292.402†	46515.5	37267.3	0.2131	mg/L	0.2131	mg/L	22:07:35
1	Zn	213.857†	50435.5	38866.2	0.4152	mg/L	0.4152	mg/L	22:07:35
2	B	249.677†	2.8	-1.9	0.0014	mg/L	0.0014	mg/L	22:07:25
2	Fe	234.349†	125009.0	99419.2	85.23	mg/L	85.23	mg/L	22:07:15
2	K	766.490†	13994.3	10960.3	6.092	mg/L	6.092	mg/L	22:07:25
2	Li	670.784†	2015.6	1778.4	0.0555	mg/L	0.0555	mg/L	22:07:25
2	Na	589.592†	2777.3	2058.1	0.4379	mg/L	0.4379	mg/L	22:07:25
2	Sr	407.771†	35896.9	28416.0	0.0303	mg/L	0.0303	mg/L	22:07:15
2	Y	371.029	3114749.3	3114749.3	1.26	mg/L	1.26	mg/L	22:07:50
2	Ag	328.068†	11932.9	8105.5	0.0740	mg/L	0.0740	mg/L	22:07:53
2	Al	237.313†	516569.1	410929.4	53.04	mg/L	53.04	mg/L	22:07:50
2	As	188.979†	40.3	29.1	0.0733	mg/L	0.0733	mg/L	22:08:03
2	B	182.528†	11.3	6.4	0.0178	mg/L	0.0178	mg/L	22:08:03
2	Ba	233.527†	16584.1	13242.9	0.1812	mg/L	0.1812	mg/L	22:07:53
2	Be	313.107†	4923.2	4431.0	0.0025	mg/L	0.0025	mg/L	22:07:53
2	Ca	315.887†	739599.6	588015.2	5.525	mg/L	5.525	mg/L	22:07:50
2	Cd	228.802†	140.1	48.6	0.0015	mg/L	0.0015	mg/L	22:08:03
2	Co	228.616†	1705.2	1420.9	0.0272	mg/L	0.0272	mg/L	22:08:03
2	Cr	267.716†	6483.4	4747.6	0.0491	mg/L	0.0491	mg/L	22:07:53
2	Cu	324.752†	160330.2	126269.5	0.7100	mg/L	0.7100	mg/L	22:07:50
2	Fe	238.204†	11172627.7	8884881.1	75.08	mg/L	75.08	mg/L	22:07:47
2	Mg	279.077†	159071.3	126366.6	11.11	mg/L	11.11	mg/L	22:07:50
2	Mn	257.610†	1213903.6	964189.2	1.702	mg/L	1.702	mg/L	22:07:50
2	Mo	202.031†	181.4	117.1	-0.0210	mg/L	-0.0210	mg/L	22:07:53
2	Ni	231.604†	2108.7	1695.7	0.0563	mg/L	0.0563	mg/L	22:07:53
2	P	214.914†	6206.4	4593.0	2.948	mg/L	2.948	mg/L	22:08:03
2	Pb	220.353†	8663.3	6831.4	0.5701	mg/L	0.5701	mg/L	22:07:53
2	Sb	206.836†	69.2	18.3	-0.0234	mg/L	-0.0234	mg/L	22:08:03
2	Se	196.026†	-11.7	-9.4	0.0257	mg/L	0.0257	mg/L	22:08:03
2	Sn	189.927†	183.4	143.0	0.2788	mg/L	0.2788	mg/L	22:08:03
2	Ti	337.279†	2593531.2	2062966.2	2.917	mg/L	2.917	mg/L	22:07:50
2	Tl	190.801†	2.5	-0.0	-0.0576	mg/L	-0.0576	mg/L	22:08:03
2	V	292.402†	45707.4	37031.9	0.2117	mg/L	0.2117	mg/L	22:07:53
2	Zn	213.857†	49427.9	38506.4	0.4113	mg/L	0.4113	mg/L	22:07:53

Mean Data: 1210126-05

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3132084.6	1.26	mg/L	0.010				0.78%
Ag 328.068†	8151.1	0.0744	mg/L	0.00057	0.0744	mg/L	0.00057	0.77%
Al 237.313†	409238.2	52.83	mg/L	0.309	52.83	mg/L	0.309	0.58%
As 188.979†	28.6	0.0729	mg/L	0.00065	0.0729	mg/L	0.00065	0.89%
B 182.528†	4.9	0.0149	mg/L	0.00400	0.0149	mg/L	0.00400	26.79%
B 249.677†	-1.8	0.0015	mg/L	0.00011	0.0015	mg/L	0.00011	7.09%
Ba 233.527†	13343.7	0.1826	mg/L	0.00197	0.1826	mg/L	0.00197	1.08%
Be 313.107†	4435.5	0.0025	mg/L	0.00000	0.0025	mg/L	0.00000	0.15%
Ca 315.887†	585359.9	5.500	mg/L	0.0354	5.500	mg/L	0.0354	0.64%
Cd 228.802†	50.3	0.0016	mg/L	0.00009	0.0016	mg/L	0.00009	5.57%
Co 228.616†	1412.1	0.0270	mg/L	0.00028	0.0270	mg/L	0.00028	1.04%
Cr 267.716†	4755.5	0.0492	mg/L	0.00012	0.0492	mg/L	0.00012	0.25%
Cu 324.752†	125802.7	0.7074	mg/L	0.00373	0.7074	mg/L	0.00373	0.53%
Fe 234.349†	99673.3	85.45	mg/L	0.308	85.45	mg/L	0.308	0.36%
Fe 238.204†	8850369.6	74.79	mg/L	0.413	74.79	mg/L	0.413	0.55%
K 766.490†	10908.3	6.064	mg/L	0.0396	6.064	mg/L	0.0396	0.65%
Li 670.784†	1800.1	0.0562	mg/L	0.00095	0.0562	mg/L	0.00095	1.68%
Mg 279.077†	126047.9	11.08	mg/L	0.040	11.08	mg/L	0.040	0.36%
Mn 257.610†	960158.4	1.695	mg/L	0.0101	1.695	mg/L	0.0101	0.59%
Mo 202.031†	93.4	-0.0223	mg/L	0.00188	-0.0223	mg/L	0.00188	8.43%
Na 589.592†	2049.1	0.4365	mg/L	0.00207	0.4365	mg/L	0.00207	0.47%
Ni 231.604†	1692.9	0.0562	mg/L	0.00015	0.0562	mg/L	0.00015	0.26%
P 214.914†	4547.9	2.922	mg/L	0.0371	2.922	mg/L	0.0371	1.27%

Pb 220.353†	6862.1	0.5728 mg/L	0.00384	0.5728 mg/L	0.00384	0.67%
Sb 206.836†	16.3	-0.0252 mg/L	0.00250	-0.0252 mg/L	0.00250	9.93%
Se 196.026†	-14.3	0.0210 mg/L	0.00663	0.0210 mg/L	0.00663	31.55%
Sn 189.927†	142.8	0.2794 mg/L	0.00084	0.2794 mg/L	0.00084	0.30%
Sr 407.771†	28469.9	0.0303 mg/L	0.00008	0.0303 mg/L	0.00008	0.26%
Ti 337.279†	2054842.9	2.906 mg/L	0.0163	2.906 mg/L	0.0163	0.56%
Tl 190.801†	1.6	-0.0565 mg/L	0.00147	-0.0565 mg/L	0.00147	2.59%
V 292.402†	37149.6	0.2124 mg/L	0.00099	0.2124 mg/L	0.00099	0.46%
Zn 213.857†	38686.3	0.4132 mg/L	0.00274	0.4132 mg/L	0.00274	0.66%

Sequence No.: 91
Sample ID: 1210126-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 83
Date Collected: 10/6/2012 10:09:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-0.8	-4.8	-0.0003 mg/L	-0.0003 mg/L	22:11:25
1	Fe 234.349†	202713.8	164663.2	141.2 mg/L	141.2 mg/L	22:11:23
1	K 766.490†	8179.8	6475.4	3.680 mg/L	3.680 mg/L	22:11:25
1	Li 670.784†	3634.4	3127.6	0.0972 mg/L	0.0972 mg/L	22:11:25
1	Na 589.592†	3563.4	2743.8	0.5501 mg/L	0.5501 mg/L	22:11:25
1	Sr 407.771†	38995.1	31543.5	0.0335 mg/L	0.0335 mg/L	22:11:23
1	Y 371.029	3049502.4	3049502.4	1.23 mg/L		22:11:39
1	Ag 328.068†	1277.9	-346.2	0.0064 mg/L	0.0064 mg/L	22:11:41
1	Al 237.313†	1270347.6	1031987.2	133.2 mg/L	133.2 mg/L	22:11:39
1	As 188.979†	64.9	49.8	0.1226 mg/L	0.1226 mg/L	22:11:51
1	B 182.528†	20.6	14.1	0.0328 mg/L	0.0328 mg/L	22:11:51
1	Ba 233.527†	23564.9	19195.3	0.2636 mg/L	0.2636 mg/L	22:11:41
1	Be 313.107†	8910.8	7753.8	0.0045 mg/L	0.0045 mg/L	22:11:41
1	Ca 315.887†	535794.9	435056.0	4.084 mg/L	4.084 mg/L	22:11:39
1	Cd 228.802†	123.8	37.8	0.0010 mg/L	0.0010 mg/L	22:11:51
1	Co 228.616†	2183.7	1838.6	0.0319 mg/L	0.0319 mg/L	22:11:51
1	Cr 267.716†	11999.3	9338.3	0.0996 mg/L	0.0996 mg/L	22:11:41
1	Cu 324.752†	24352.2	18547.2	0.1058 mg/L	0.1058 mg/L	22:11:41
1	Fe 238.204†	16629461.9	13507383.7	114.2 mg/L	114.2 mg/L	22:11:35
1	Mg 279.077†	227633.1	184763.6	16.26 mg/L	16.26 mg/L	22:11:41
1	Mn 257.610†	752264.8	609870.6	1.075 mg/L	1.075 mg/L	22:11:39
1	Mo 202.031†	203.4	138.1	-0.0369 mg/L	-0.0369 mg/L	22:11:41
1	Ni 231.604†	2905.6	2378.9	0.0805 mg/L	0.0805 mg/L	22:11:51
1	P 214.914†	7657.0	5876.8	3.855 mg/L	3.855 mg/L	22:11:51
1	Pb 220.353†	3186.1	2529.8	0.1774 mg/L	0.1774 mg/L	22:11:51
1	Sb 206.836†	76.8	25.6	-0.0421 mg/L	-0.0421 mg/L	22:11:51
1	Se 196.026†	-40.0	-32.6	0.0271 mg/L	0.0271 mg/L	22:11:51
1	Sn 189.927†	45.5	34.1	0.4177 mg/L	0.4177 mg/L	22:11:51
1	Ti 337.279†	5123866.7	4162400.0	5.888 mg/L	5.888 mg/L	22:11:39
1	Tl 190.801†	7.6	4.1	-0.0906 mg/L	-0.0906 mg/L	22:11:51
1	V 292.402†	45272.0	37455.9	0.2016 mg/L	0.2016 mg/L	22:11:41
1	Zn 213.857†	30806.4	24221.8	0.2587 mg/L	0.2587 mg/L	22:11:41
2	B 249.677†	-3.9	-7.3	-0.0017 mg/L	-0.0017 mg/L	22:11:30
2	Fe 234.349†	205985.8	166786.6	143.0 mg/L	143.0 mg/L	22:11:28
2	K 766.490†	8094.9	6385.5	3.632 mg/L	3.632 mg/L	22:11:30
2	Li 670.784†	3595.3	3086.4	0.0959 mg/L	0.0959 mg/L	22:11:30
2	Na 589.592†	3547.1	2721.4	0.5464 mg/L	0.5464 mg/L	22:11:30
2	Sr 407.771†	39689.8	32004.7	0.0340 mg/L	0.0340 mg/L	22:11:28
2	Y 371.029	3059272.8	3059272.8	1.24 mg/L		22:11:58
2	Ag 328.068†	1253.9	-369.0	0.0064 mg/L	0.0064 mg/L	22:12:01
2	Al 237.313†	1271802.1	1029869.4	133.0 mg/L	133.0 mg/L	22:11:58
2	As 188.979†	58.0	44.0	0.1161 mg/L	0.1161 mg/L	22:12:11
2	B 182.528†	14.7	9.2	0.0234 mg/L	0.0234 mg/L	22:12:11
2	Ba 233.527†	23843.5	19359.8	0.2659 mg/L	0.2659 mg/L	22:12:01
2	Be 313.107†	8904.4	7725.5	0.0045 mg/L	0.0045 mg/L	22:12:01
2	Ca 315.887†	534715.7	432792.3	4.062 mg/L	4.062 mg/L	22:11:58
2	Cd 228.802†	134.8	46.3	0.0013 mg/L	0.0013 mg/L	22:12:11
2	Co 228.616†	2197.7	1844.3	0.0320 mg/L	0.0320 mg/L	22:12:11
2	Cr 267.716†	11987.6	9297.6	0.0992 mg/L	0.0992 mg/L	22:12:01
2	Cu 324.752†	24355.2	18486.4	0.1054 mg/L	0.1054 mg/L	22:12:01
2	Fe 238.204†	16631306.6	13465738.0	113.8 mg/L	113.8 mg/L	22:11:55
2	Mg 279.077†	228191.7	184625.4	16.25 mg/L	16.25 mg/L	22:12:01

2	Mn 257.610†	752190.2	607858.7	1.072 mg/L	1.072 mg/L	22:11:58
2	Mo 202.031†	196.0	131.6	-0.0378 mg/L	-0.0378 mg/L	22:12:01
2	Ni 231.604†	2917.1	2380.7	0.0806 mg/L	0.0806 mg/L	22:12:11
2	P 214.914†	7689.4	5883.2	3.863 mg/L	3.863 mg/L	22:12:11
2	Pb 220.353†	3224.0	2552.2	0.1795 mg/L	0.1795 mg/L	22:12:11
2	Sb 206.836†	73.2	22.5	-0.0455 mg/L	-0.0455 mg/L	22:12:11
2	Se 196.026†	-38.0	-30.9	0.0295 mg/L	0.0295 mg/L	22:12:11
2	Sn 189.927†	45.3	33.8	0.4229 mg/L	0.4229 mg/L	22:12:11
2	Ti 337.279†	5130999.2	4154882.9	5.877 mg/L	5.877 mg/L	22:11:58
2	Tl 190.801†	7.1	3.7	-0.0919 mg/L	-0.0919 mg/L	22:12:11
2	V 292.402†	45341.1	37394.5	0.2009 mg/L	0.2009 mg/L	22:12:01
2	Zn 213.857†	30952.9	24260.6	0.2591 mg/L	0.2591 mg/L	22:12:01

Mean Data: 1210126-06

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3054387.6	1.23 mg/L		0.003			0.23%
Ag 328.068†	-357.6	0.0064 mg/L		0.00004	0.0064 mg/L	0.00004	0.59%
Al 237.313†	1030928.3	133.1 mg/L		0.19	133.1 mg/L	0.19	0.15%
As 188.979†	46.9	0.1194 mg/L		0.00457	0.1194 mg/L	0.00457	3.83%
B 182.528†	11.7	0.0281 mg/L		0.00669	0.0281 mg/L	0.00669	23.81%
B 249.677†	-6.1	-0.0010 mg/L		0.00102	-0.0010 mg/L	0.00102	100.12%
Ba 233.527†	19277.6	0.2647 mg/L		0.00161	0.2647 mg/L	0.00161	0.61%
Be 313.107†	7739.6	0.0045 mg/L		0.00001	0.0045 mg/L	0.00001	0.27%
Ca 315.887†	433924.2	4.073 mg/L		0.0151	4.073 mg/L	0.0151	0.37%
Cd 228.802†	42.1	0.0012 mg/L		0.00024	0.0012 mg/L	0.00024	20.11%
Co 228.616†	1841.4	0.0320 mg/L		0.00011	0.0320 mg/L	0.00011	0.36%
Cr 267.716†	9318.0	0.0994 mg/L		0.00032	0.0994 mg/L	0.00032	0.32%
Cu 324.752†	18516.8	0.1056 mg/L		0.00025	0.1056 mg/L	0.00025	0.23%
Fe 234.349†	165724.9	142.1 mg/L		1.29	142.1 mg/L	1.29	0.91%
Fe 238.204†	13486560.8	114.0 mg/L		0.25	114.0 mg/L	0.25	0.22%
K 766.490†	6430.5	3.656 mg/L		0.0342	3.656 mg/L	0.0342	0.94%
Li 670.784†	3107.0	0.0966 mg/L		0.00090	0.0966 mg/L	0.00090	0.93%
Mg 279.077†	184694.5	16.26 mg/L		0.009	16.26 mg/L	0.009	0.05%
Mn 257.610†	608864.7	1.074 mg/L		0.0025	1.074 mg/L	0.0025	0.23%
Mo 202.031†	134.8	-0.0373 mg/L		0.00065	-0.0373 mg/L	0.00065	1.74%
Na 589.592†	2732.6	0.5483 mg/L		0.00260	0.5483 mg/L	0.00260	0.47%
Ni 231.604†	2379.8	0.0806 mg/L		0.00004	0.0806 mg/L	0.00004	0.05%
P 214.914†	5880.0	3.859 mg/L		0.0057	3.859 mg/L	0.0057	0.15%
Pb 220.353†	2541.0	0.1784 mg/L		0.00142	0.1784 mg/L	0.00142	0.80%
Sb 206.836†	24.0	-0.0438 mg/L		0.00241	-0.0438 mg/L	0.00241	5.51%
Se 196.026†	-31.7	0.0283 mg/L		0.00172	0.0283 mg/L	0.00172	6.07%
Sn 189.927†	34.0	0.4203 mg/L		0.00371	0.4203 mg/L	0.00371	0.88%
Sr 407.771†	31774.1	0.0338 mg/L		0.00034	0.0338 mg/L	0.00034	1.01%
Ti 337.279†	4158641.4	5.883 mg/L		0.0075	5.883 mg/L	0.0075	0.13%
Tl 190.801†	3.9	-0.0912 mg/L		0.00092	-0.0912 mg/L	0.00092	1.01%
V 292.402†	37425.2	0.2012 mg/L		0.00051	0.2012 mg/L	0.00051	0.25%
Zn 213.857†	24241.2	0.2589 mg/L		0.00029	0.2589 mg/L	0.00029	0.11%

Sequence No.: 92

Sample ID: 1210126-07

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 84

Date Collected: 10/6/2012 10:13:50 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-2.4	-6.1	-0.0010 mg/L	-0.0010 mg/L	22:15:40
1	Fe 234.349†	127965.7	101337.3	86.88 mg/L	86.88 mg/L	22:15:30
1	K 766.490†	12720.9	9904.5	5.525 mg/L	5.525 mg/L	22:15:40
1	Li 670.784†	2669.9	2289.7	0.0713 mg/L	0.0713 mg/L	22:15:40
1	Na 589.592†	2960.7	2193.9	0.4602 mg/L	0.4602 mg/L	22:15:40
1	Sr 407.771†	26486.5	20842.8	0.0223 mg/L	0.0223 mg/L	22:15:30
1	Y 371.029	3128066.9	3128066.9	1.26 mg/L		22:16:00
1	Ag 328.068†	710.7	-821.5	-0.0018 mg/L	-0.0018 mg/L	22:16:02
1	Al 237.313†	702576.0	556472.7	71.83 mg/L	71.83 mg/L	22:16:00
1	As 188.979†	38.5	27.5	0.0721 mg/L	0.0721 mg/L	22:16:13
1	B 182.528†	12.0	6.9	0.0188 mg/L	0.0188 mg/L	22:16:13
1	Ba 233.527†	18705.3	14866.5	0.2037 mg/L	0.2037 mg/L	22:16:02

1	Be	313.107†	6324.7	5524.2	0.0031	mg/L	0.0031	mg/L	22:16:02
1	Ca	315.887†	501805.6	397210.4	3.727	mg/L	3.727	mg/L	22:16:00
1	Cd	228.802†	118.7	31.1	0.0009	mg/L	0.0009	mg/L	22:16:13
1	Co	228.616†	1905.1	1573.4	0.0294	mg/L	0.0294	mg/L	22:16:13
1	Cr	267.716†	9186.2	6865.8	0.0724	mg/L	0.0724	mg/L	22:16:02
1	Cu	324.752†	16780.4	12054.6	0.0675	mg/L	0.0675	mg/L	22:16:02
1	Fe	238.204†	11998542.5	9501066.5	80.29	mg/L	80.29	mg/L	22:15:57
1	Mg	279.077†	225334.8	178299.8	15.69	mg/L	15.69	mg/L	22:16:00
1	Mn	257.610†	970111.3	767028.8	1.353	mg/L	1.353	mg/L	22:16:00
1	Mo	202.031†	60.9	21.1	-0.0262	mg/L	-0.0262	mg/L	22:16:02
1	Ni	231.604†	2405.8	1923.9	0.0644	mg/L	0.0644	mg/L	22:16:02
1	P	214.914†	4463.3	3191.6	2.130	mg/L	2.130	mg/L	22:16:13
1	Pb	220.353†	1350.5	1011.3	0.0634	mg/L	0.0634	mg/L	22:16:13
1	Sb	206.836†	55.7	7.3	-0.0335	mg/L	-0.0335	mg/L	22:16:13
1	Se	196.026†	-19.4	-15.5	0.0205	mg/L	0.0205	mg/L	22:16:13
1	Sn	189.927†	-10.2	-10.9	0.2488	mg/L	0.2488	mg/L	22:16:13
1	Ti	337.279†	3362769.4	2663317.8	3.767	mg/L	3.767	mg/L	22:16:00
1	Tl	190.801†	7.5	3.9	-0.0567	mg/L	-0.0567	mg/L	22:16:13
1	V	292.402†	26178.5	21412.9	0.1129	mg/L	0.1129	mg/L	22:16:02
1	Zn	213.857†	25680.8	19534.6	0.2085	mg/L	0.2085	mg/L	22:16:02
2	B	249.677†	-8.4	-10.8	-0.0038	mg/L	-0.0038	mg/L	22:15:53
2	Fe	234.349†	132479.1	104921.4	89.95	mg/L	89.95	mg/L	22:15:42
2	K	766.490†	12733.9	9915.8	5.531	mg/L	5.531	mg/L	22:15:53
2	Li	670.784†	2708.8	2320.6	0.0723	mg/L	0.0723	mg/L	22:15:53
2	Na	589.592†	2998.5	2224.1	0.4651	mg/L	0.4651	mg/L	22:15:53
2	Sr	407.771†	27268.5	21464.1	0.0230	mg/L	0.0230	mg/L	22:15:42
2	Y	371.029	3127765.7	3127765.7	1.26	mg/L	1.26	mg/L	22:16:18
2	Ag	328.068†	636.6	-880.1	-0.0021	mg/L	-0.0021	mg/L	22:16:20
2	Al	237.313†	701731.4	555857.4	71.75	mg/L	71.75	mg/L	22:16:18
2	As	188.979†	34.5	24.4	0.0696	mg/L	0.0696	mg/L	22:16:31
2	B	182.528†	9.9	5.2	0.0155	mg/L	0.0155	mg/L	22:16:31
2	Ba	233.527†	18896.7	15019.5	0.2059	mg/L	0.2059	mg/L	22:16:20
2	Be	313.107†	6290.1	5497.3	0.0031	mg/L	0.0031	mg/L	22:16:20
2	Ca	315.887†	500571.8	396271.6	3.718	mg/L	3.718	mg/L	22:16:18
2	Cd	228.802†	127.2	37.9	0.0012	mg/L	0.0012	mg/L	22:16:31
2	Co	228.616†	1881.8	1555.2	0.0289	mg/L	0.0289	mg/L	22:16:31
2	Cr	267.716†	9252.1	6918.7	0.0730	mg/L	0.0730	mg/L	22:16:20
2	Cu	324.752†	16947.2	12188.0	0.0683	mg/L	0.0683	mg/L	22:16:20
2	Fe	238.204†	12030635.4	9527397.1	80.51	mg/L	80.51	mg/L	22:16:15
2	Mg	279.077†	224434.6	177604.0	15.63	mg/L	15.63	mg/L	22:16:18
2	Mn	257.610†	968819.5	766079.7	1.352	mg/L	1.352	mg/L	22:16:18
2	Mo	202.031†	145.9	88.4	-0.0236	mg/L	-0.0236	mg/L	22:16:20
2	Ni	231.604†	2402.5	1921.4	0.0643	mg/L	0.0643	mg/L	22:16:20
2	P	214.914†	4445.3	3177.7	2.129	mg/L	2.129	mg/L	22:16:31
2	Pb	220.353†	1348.2	1009.5	0.0632	mg/L	0.0632	mg/L	22:16:31
2	Sb	206.836†	57.4	8.7	-0.0337	mg/L	-0.0337	mg/L	22:16:31
2	Se	196.026†	-28.7	-22.8	0.0147	mg/L	0.0147	mg/L	22:16:31
2	Sn	189.927†	0.9	-2.2	0.2598	mg/L	0.2598	mg/L	22:16:31
2	Ti	337.279†	3357315.1	2659254.7	3.761	mg/L	3.761	mg/L	22:16:18
2	Tl	190.801†	-5.2	-6.1	-0.0655	mg/L	-0.0655	mg/L	22:16:31
2	V	292.402†	26309.6	21518.7	0.1130	mg/L	0.1130	mg/L	22:16:20
2	Zn	213.857†	25807.9	19637.2	0.2096	mg/L	0.2096	mg/L	22:16:20

Mean Data: 1210126-07

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Units		
Y 371.029	3127916.3	1.26	mg/L	0.000				0.01%
Ag 328.068†	-850.8	-0.0019	mg/L	0.00019	-0.0019	mg/L	0.00019	9.59%
Al 237.313†	556165.0	71.79	mg/L	0.056	71.79	mg/L	0.056	0.08%
As 188.979†	25.9	0.0709	mg/L	0.00183	0.0709	mg/L	0.00183	2.58%
B 182.528†	6.0	0.0171	mg/L	0.00233	0.0171	mg/L	0.00233	13.60%
B 249.677†	-8.5	-0.0024	mg/L	0.00194	-0.0024	mg/L	0.00194	81.24%
Ba 233.527†	14943.0	0.2048	mg/L	0.00150	0.2048	mg/L	0.00150	0.73%
Be 313.107†	5510.7	0.0031	mg/L	0.00001	0.0031	mg/L	0.00001	0.36%
Ca 315.887†	396741.0	3.722	mg/L	0.0063	3.722	mg/L	0.0063	0.17%
Cd 228.802†	34.5	0.0010	mg/L	0.00018	0.0010	mg/L	0.00018	17.54%
Co 228.616†	1564.3	0.0292	mg/L	0.00031	0.0292	mg/L	0.00031	1.08%
Cr 267.716†	6892.3	0.0727	mg/L	0.00041	0.0727	mg/L	0.00041	0.57%
Cu 324.752†	12121.3	0.0679	mg/L	0.00053	0.0679	mg/L	0.00053	0.78%
Fe 234.349†	103129.3	88.42	mg/L	2.172	88.42	mg/L	2.172	2.46%
Fe 238.204†	9514231.8	80.40	mg/L	0.157	80.40	mg/L	0.157	0.20%
K 766.490†	9910.1	5.528	mg/L	0.0043	5.528	mg/L	0.0043	0.08%

Li 670.784†	2305.2	0.0718 mg/L	0.00068	0.0718 mg/L	0.00068	0.94%
Mg 279.077†	177951.9	15.66 mg/L	0.043	15.66 mg/L	0.043	0.28%
Mn 257.610†	766554.2	1.352 mg/L	0.0012	1.352 mg/L	0.0012	0.09%
Mo 202.031†	54.7	-0.0249 mg/L	0.00186	-0.0249 mg/L	0.00186	7.49%
Na 589.592†	2209.0	0.4626 mg/L	0.00349	0.4626 mg/L	0.00349	0.75%
Ni 231.604†	1922.7	0.0644 mg/L	0.00006	0.0644 mg/L	0.00006	0.09%
P 214.914†	3184.7	2.130 mg/L	0.0008	2.130 mg/L	0.0008	0.04%
Pb 220.353†	1010.4	0.0633 mg/L	0.00009	0.0633 mg/L	0.00009	0.15%
Sb 206.836†	8.0	-0.0336 mg/L	0.00017	-0.0336 mg/L	0.00017	0.50%
Se 196.026†	-19.1	0.0176 mg/L	0.00411	0.0176 mg/L	0.00411	23.32%
Sn 189.927†	-6.6	0.2543 mg/L	0.00775	0.2543 mg/L	0.00775	3.05%
Sr 407.771†	21153.4	0.0226 mg/L	0.00046	0.0226 mg/L	0.00046	2.04%
Ti 337.279†	2661286.2	3.764 mg/L	0.0041	3.764 mg/L	0.0041	0.11%
Tl 190.801†	-1.1	-0.0611 mg/L	0.00617	-0.0611 mg/L	0.00617	10.11%
V 292.402†	21465.8	0.1130 mg/L	0.00008	0.1130 mg/L	0.00008	0.07%
Zn 213.857†	19585.9	0.2090 mg/L	0.00078	0.2090 mg/L	0.00078	0.37%

Sequence No.: 93
Sample ID: 1210126-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 85
Date Collected: 10/6/2012 10:18:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-5.2	-8.5	-0.0025 mg/L	-0.0025 mg/L	-0.0025 mg/L	22:19:53
1	Fe 234.349†	242072.4	203420.8	174.4 mg/L	174.4 mg/L	174.4 mg/L	22:19:51
1	K 766.490†	6003.5	4876.0	2.820 mg/L	2.820 mg/L	2.820 mg/L	22:19:53
1	Li 670.784†	4382.5	3858.1	0.1198 mg/L	0.1198 mg/L	0.1198 mg/L	22:19:53
1	Na 589.592†	3164.4	2508.5	0.5116 mg/L	0.5116 mg/L	0.5116 mg/L	22:19:53
1	Sr 407.771†	34098.5	28522.2	0.0304 mg/L	0.0304 mg/L	0.0304 mg/L	22:19:51
1	Y 371.029	2947741.4	2947741.4	1.19 mg/L	1.19 mg/L	1.19 mg/L	22:20:06
1	Ag 328.068†	330.2	-1106.8	0.0025 mg/L	0.0025 mg/L	0.0025 mg/L	22:20:08
1	Al 237.313†	1927240.9	1619600.4	209.1 mg/L	209.1 mg/L	209.1 mg/L	22:20:06
1	As 188.979†	75.3	60.3	0.1496 mg/L	0.1496 mg/L	0.1496 mg/L	22:20:19
1	B 182.528†	15.6	10.5	0.0258 mg/L	0.0258 mg/L	0.0258 mg/L	22:20:19
1	Ba 233.527†	36482.3	30710.7	0.4229 mg/L	0.4229 mg/L	0.4229 mg/L	22:20:08
1	Be 313.107†	10345.3	9209.1	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	22:20:08
1	Ca 315.887†	405044.1	340209.4	3.191 mg/L	3.191 mg/L	3.191 mg/L	22:20:06
1	Cd 228.802†	140.2	55.0	0.0016 mg/L	0.0016 mg/L	0.0016 mg/L	22:20:19
1	Co 228.616†	2682.1	2318.6	0.0419 mg/L	0.0419 mg/L	0.0419 mg/L	22:20:19
1	Cr 267.716†	16480.9	13440.6	0.1448 mg/L	0.1448 mg/L	0.1448 mg/L	22:20:08
1	Cu 324.752†	13897.3	10444.7	0.0609 mg/L	0.0609 mg/L	0.0609 mg/L	22:20:08
1	Fe 238.204†	20451667.2	17185510.1	145.2 mg/L	145.2 mg/L	145.2 mg/L	22:20:03
1	Mg 279.077†	205577.1	172612.8	15.19 mg/L	15.19 mg/L	15.19 mg/L	22:20:08
1	Mn 257.610†	572368.9	479797.0	0.8455 mg/L	0.8455 mg/L	0.8455 mg/L	22:20:06
1	Mo 202.031†	247.7	181.0	-0.0449 mg/L	-0.0449 mg/L	-0.0449 mg/L	22:20:08
1	Ni 231.604†	3581.5	3028.3	0.1035 mg/L	0.1035 mg/L	0.1035 mg/L	22:20:19
1	P 214.914†	5392.6	4188.7	2.930 mg/L	2.930 mg/L	2.930 mg/L	22:20:19
1	Pb 220.353†	2541.2	2077.3	0.1176 mg/L	0.1176 mg/L	0.1176 mg/L	22:20:19
1	Sb 206.836†	86.9	36.2	-0.0478 mg/L	-0.0478 mg/L	-0.0478 mg/L	22:20:19
1	Se 196.026†	-45.6	-38.4	0.0355 mg/L	0.0355 mg/L	0.0355 mg/L	22:20:19
1	Sn 189.927†	29.5	21.9	0.5120 mg/L	0.5120 mg/L	0.5120 mg/L	22:20:19
1	Ti 337.279†	5818039.4	4889394.9	6.917 mg/L	6.917 mg/L	6.917 mg/L	22:20:06
1	Tl 190.801†	7.7	4.4	-0.1108 mg/L	-0.1108 mg/L	-0.1108 mg/L	22:20:19
1	V 292.402†	53169.9	45362.0	0.2443 mg/L	0.2443 mg/L	0.2443 mg/L	22:20:08
1	Zn 213.857†	30151.6	24535.4	0.2620 mg/L	0.2620 mg/L	0.2620 mg/L	22:20:08
2	B 249.677†	-10.8	-13.0	-0.0051 mg/L	-0.0051 mg/L	-0.0051 mg/L	22:19:57
2	Fe 234.349†	242737.9	198634.9	170.3 mg/L	170.3 mg/L	170.3 mg/L	22:19:55
2	K 766.490†	6105.7	4827.5	2.794 mg/L	2.794 mg/L	2.794 mg/L	22:19:57
2	Li 670.784†	4466.3	3830.2	0.1189 mg/L	0.1189 mg/L	0.1189 mg/L	22:19:57
2	Na 589.592†	3160.0	2435.2	0.4996 mg/L	0.4996 mg/L	0.4996 mg/L	22:19:57
2	Sr 407.771†	34099.4	27772.1	0.0296 mg/L	0.0296 mg/L	0.0296 mg/L	22:19:55
2	Y 371.029	3027064.4	3027064.4	1.22 mg/L	1.22 mg/L	1.22 mg/L	22:20:26
2	Ag 328.068†	348.8	-1098.8	0.0023 mg/L	0.0023 mg/L	0.0023 mg/L	22:20:28
2	Al 237.313†	1926553.0	1576599.9	203.5 mg/L	203.5 mg/L	203.5 mg/L	22:20:26
2	As 188.979†	77.4	60.4	0.1480 mg/L	0.1480 mg/L	0.1480 mg/L	22:20:38
2	B 182.528†	11.3	6.6	0.0183 mg/L	0.0183 mg/L	0.0183 mg/L	22:20:38
2	Ba 233.527†	36754.3	30129.9	0.4149 mg/L	0.4149 mg/L	0.4149 mg/L	22:20:28
2	Be 313.107†	10486.1	9096.5	0.0053 mg/L	0.0053 mg/L	0.0053 mg/L	22:20:28

2	Ca	315.887†	404561.1	330895.1	3.103	mg/L	3.103	mg/L	22:20:26
2	Cd	228.802†	138.7	50.7	0.0014	mg/L	0.0014	mg/L	22:20:38
2	Co	228.616†	2704.1	2277.6	0.0413	mg/L	0.0413	mg/L	22:20:38
2	Cr	267.716†	16715.6	13269.8	0.1429	mg/L	0.1429	mg/L	22:20:28
2	Cu	324.752†	14126.1	10325.9	0.0601	mg/L	0.0601	mg/L	22:20:28
2	Fe	238.204†	20105611.0	16451993.9	139.0	mg/L	139.0	mg/L	22:20:22
2	Mg	279.077†	208257.1	170279.1	14.98	mg/L	14.98	mg/L	22:20:28
2	Mn	257.610†	571345.2	466355.9	0.8217	mg/L	0.8217	mg/L	22:20:26
2	Mo	202.031†	283.9	205.2	-0.0423	mg/L	-0.0423	mg/L	22:20:28
2	Ni	231.604†	3610.3	2973.1	0.1016	mg/L	0.1016	mg/L	22:20:38
2	P	214.914†	5434.1	4104.0	2.870	mg/L	2.870	mg/L	22:20:38
2	Pb	220.353†	2493.5	1982.3	0.1109	mg/L	0.1109	mg/L	22:20:38
2	Sb	206.836†	88.5	35.6	-0.0465	mg/L	-0.0465	mg/L	22:20:38
2	Se	196.026†	-47.5	-38.9	0.0333	mg/L	0.0333	mg/L	22:20:38
2	Sn	189.927†	42.8	32.2	0.5023	mg/L	0.5023	mg/L	22:20:38
2	Ti	337.279†	5808131.1	4753174.5	6.724	mg/L	6.724	mg/L	22:20:26
2	Tl	190.801†	2.7	0.2	-0.1111	mg/L	-0.1111	mg/L	22:20:38
2	V	292.402†	53989.2	44861.7	0.2421	mg/L	0.2421	mg/L	22:20:28
2	Zn	213.857†	30576.0	24218.8	0.2586	mg/L	0.2586	mg/L	22:20:28

Mean Data: 1210126-08

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2987402.9	1.21	mg/L	0.023				1.88%
Ag 328.068†	-1102.8	0.0024	mg/L	0.00018	0.0024	mg/L	0.00018	7.29%
Al 237.313†	1598100.1	206.3	mg/L	3.93	206.3	mg/L	3.93	1.90%
As 188.979†	60.3	0.1488	mg/L	0.00115	0.1488	mg/L	0.00115	0.77%
B 182.528†	8.5	0.0220	mg/L	0.00529	0.0220	mg/L	0.00529	24.03%
B 249.677†	-10.7	-0.0038	mg/L	0.00185	-0.0038	mg/L	0.00185	49.16%
Ba 233.527†	30420.3	0.4189	mg/L	0.00568	0.4189	mg/L	0.00568	1.36%
Be 313.107†	9152.8	0.0053	mg/L	0.00005	0.0053	mg/L	0.00005	0.90%
Ca 315.887†	335552.3	3.147	mg/L	0.0621	3.147	mg/L	0.0621	1.97%
Cd 228.802†	52.8	0.0015	mg/L	0.00011	0.0015	mg/L	0.00011	7.26%
Co 228.616†	2298.1	0.0416	mg/L	0.00046	0.0416	mg/L	0.00046	1.11%
Cr 267.716†	13355.2	0.1439	mg/L	0.00133	0.1439	mg/L	0.00133	0.92%
Cu 324.752†	10385.3	0.0605	mg/L	0.00058	0.0605	mg/L	0.00058	0.96%
Fe 234.349†	201027.8	172.3	mg/L	2.90	172.3	mg/L	2.90	1.68%
Fe 238.204†	16818752.0	142.1	mg/L	4.38	142.1	mg/L	4.38	3.08%
K 766.490†	4851.7	2.807	mg/L	0.0185	2.807	mg/L	0.0185	0.66%
Li 670.784†	3844.2	0.1193	mg/L	0.00061	0.1193	mg/L	0.00061	0.51%
Mg 279.077†	171445.9	15.09	mg/L	0.146	15.09	mg/L	0.146	0.97%
Mn 257.610†	473076.4	0.8336	mg/L	0.01680	0.8336	mg/L	0.01680	2.02%
Mo 202.031†	193.1	-0.0436	mg/L	0.00181	-0.0436	mg/L	0.00181	4.16%
Na 589.592†	2471.8	0.5056	mg/L	0.00848	0.5056	mg/L	0.00848	1.68%
Ni 231.604†	3000.7	0.1026	mg/L	0.00138	0.1026	mg/L	0.00138	1.35%
P 214.914†	4146.4	2.900	mg/L	0.0425	2.900	mg/L	0.0425	1.47%
Pb 220.353†	2029.8	0.1142	mg/L	0.00472	0.1142	mg/L	0.00472	4.13%
Sb 206.836†	35.9	-0.0472	mg/L	0.00091	-0.0472	mg/L	0.00091	1.93%
Se 196.026†	-38.7	0.0344	mg/L	0.00157	0.0344	mg/L	0.00157	4.56%
Sn 189.927†	27.0	0.5072	mg/L	0.00684	0.5072	mg/L	0.00684	1.35%
Sr 407.771†	28147.2	0.0300	mg/L	0.00056	0.0300	mg/L	0.00056	1.86%
Ti 337.279†	4821284.7	6.820	mg/L	0.1363	6.820	mg/L	0.1363	2.00%
Tl 190.801†	2.3	-0.1110	mg/L	0.00022	-0.1110	mg/L	0.00022	0.20%
V 292.402†	45111.9	0.2432	mg/L	0.00156	0.2432	mg/L	0.00156	0.64%
Zn 213.857†	24377.1	0.2603	mg/L	0.00240	0.2603	mg/L	0.00240	0.92%

Sequence No.: 94

Sample ID: 1210126-09

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 86

Date Collected: 10/6/2012 10:22:17 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-4.6	-7.9	-0.0020	mg/L	-0.0020	mg/L	22:24:06
1	Fe 234.349†	116461.3	94423.6	80.95	mg/L	80.95	mg/L	22:23:56
1	K 766.490†	5464.5	4261.5	2.489	mg/L	2.489	mg/L	22:24:06
1	Li 670.784†	2470.5	2178.4	0.0679	mg/L	0.0679	mg/L	22:24:06
1	Na 589.592†	2980.0	2265.4	0.4718	mg/L	0.4718	mg/L	22:24:06

1	Sr 407.771†	23177.0	18659.2	0.0200 mg/L	0.0200 mg/L	22:23:56
1	Y 371.029	3055302.5	3055302.5	1.23 mg/L		22:24:26
1	Ag 328.068†	1086.6	-503.3	0.0005 mg/L	0.0005 mg/L	22:24:28
1	Al 237.313†	847820.3	687475.4	88.75 mg/L	88.75 mg/L	22:24:26
1	As 188.979†	41.8	30.9	0.0740 mg/L	0.0740 mg/L	22:24:39
1	B 182.528†	10.3	5.7	0.0164 mg/L	0.0164 mg/L	22:24:39
1	Ba 233.527†	16747.5	13632.0	0.1867 mg/L	0.1867 mg/L	22:24:28
1	Be 313.107†	6360.4	5672.4	0.0032 mg/L	0.0032 mg/L	22:24:28
1	Ca 315.887†	389577.4	315687.9	2.959 mg/L	2.959 mg/L	22:24:26
1	Cd 228.802†	117.1	32.1	0.0009 mg/L	0.0009 mg/L	22:24:39
1	Co 228.616†	1481.3	1265.8	0.0220 mg/L	0.0220 mg/L	22:24:39
1	Cr 267.716†	7688.6	5825.0	0.0609 mg/L	0.0609 mg/L	22:24:28
1	Cu 324.752†	14482.9	10508.4	0.0587 mg/L	0.0587 mg/L	22:24:28
1	Fe 238.204†	10728978.6	8698079.9	73.50 mg/L	73.50 mg/L	22:24:23
1	Mg 279.077†	168066.5	136120.6	11.97 mg/L	11.97 mg/L	22:24:26
1	Mn 257.610†	500352.3	404479.2	0.7123 mg/L	0.7123 mg/L	22:24:26
1	Mo 202.031†	109.0	61.2	-0.0222 mg/L	-0.0222 mg/L	22:24:28
1	Ni 231.604†	2034.2	1668.0	0.0553 mg/L	0.0553 mg/L	22:24:28
1	P 214.914†	5981.4	4506.5	2.899 mg/L	2.899 mg/L	22:24:39
1	Pb 220.353†	1878.5	1464.8	0.0979 mg/L	0.0979 mg/L	22:24:39
1	Sb 206.836†	62.7	14.0	-0.0252 mg/L	-0.0252 mg/L	22:24:39
1	Se 196.026†	-20.7	-16.9	0.0166 mg/L	0.0166 mg/L	22:24:39
1	Sn 189.927†	-37.4	-33.2	0.2264 mg/L	0.2264 mg/L	22:24:39
1	Ti 337.279†	3146681.1	2551547.9	3.608 mg/L	3.608 mg/L	22:24:26
1	Tl 190.801†	2.0	-0.4	-0.0561 mg/L	-0.0561 mg/L	22:24:39
1	V 292.402†	25675.1	21498.5	0.1146 mg/L	0.1146 mg/L	22:24:28
1	Zn 213.857†	20909.2	16150.4	0.1721 mg/L	0.1721 mg/L	22:24:28
2	B 249.677†	2.1	-2.5	0.0011 mg/L	0.0011 mg/L	22:24:19
2	Fe 234.349†	117765.5	93952.6	80.55 mg/L	80.55 mg/L	22:24:09
2	K 766.490†	5581.0	4283.5	2.501 mg/L	2.501 mg/L	22:24:19
2	Li 670.784†	2492.0	2163.4	0.0674 mg/L	0.0674 mg/L	22:24:19
2	Na 589.592†	3007.8	2248.9	0.4691 mg/L	0.4691 mg/L	22:24:19
2	Sr 407.771†	23307.7	18462.6	0.0198 mg/L	0.0198 mg/L	22:24:09
2	Y 371.029	3105010.4	3105010.4	1.25 mg/L		22:24:44
2	Ag 328.068†	1071.8	-529.2	0.0002 mg/L	0.0002 mg/L	22:24:46
2	Al 237.313†	860428.5	686529.9	88.62 mg/L	88.62 mg/L	22:24:44
2	As 188.979†	45.3	33.1	0.0766 mg/L	0.0766 mg/L	22:24:57
2	B 182.528†	7.5	3.3	0.0118 mg/L	0.0118 mg/L	22:24:57
2	Ba 233.527†	16885.6	13524.8	0.1852 mg/L	0.1852 mg/L	22:24:46
2	Be 313.107†	6433.7	5648.3	0.0032 mg/L	0.0032 mg/L	22:24:46
2	Ca 315.887†	395382.8	315262.9	2.955 mg/L	2.955 mg/L	22:24:44
2	Cd 228.802†	111.0	25.7	0.0007 mg/L	0.0007 mg/L	22:24:57
2	Co 228.616†	1463.2	1232.2	0.0211 mg/L	0.0211 mg/L	22:24:57
2	Cr 267.716†	7770.1	5790.2	0.0606 mg/L	0.0606 mg/L	22:24:46
2	Cu 324.752†	14503.4	10336.8	0.0577 mg/L	0.0577 mg/L	22:24:46
2	Fe 238.204†	10665431.2	8508135.8	71.90 mg/L	71.90 mg/L	22:24:41
2	Mg 279.077†	170845.9	136156.5	11.97 mg/L	11.97 mg/L	22:24:44
2	Mn 257.610†	507729.4	403870.3	0.7112 mg/L	0.7112 mg/L	22:24:44
2	Mo 202.031†	108.9	59.8	-0.0222 mg/L	-0.0222 mg/L	22:24:46
2	Ni 231.604†	2044.1	1649.4	0.0547 mg/L	0.0547 mg/L	22:24:46
2	P 214.914†	5945.9	4400.6	2.835 mg/L	2.835 mg/L	22:24:57
2	Pb 220.353†	1833.7	1404.7	0.0927 mg/L	0.0927 mg/L	22:24:57
2	Sb 206.836†	54.9	7.0	-0.0309 mg/L	-0.0309 mg/L	22:24:57
2	Se 196.026†	-18.6	-14.9	0.0184 mg/L	0.0184 mg/L	22:24:57
2	Sn 189.927†	-15.0	-14.9	0.2294 mg/L	0.2294 mg/L	22:24:57
2	Ti 337.279†	3185612.0	2541764.6	3.595 mg/L	3.595 mg/L	22:24:44
2	Tl 190.801†	8.4	4.7	-0.0523 mg/L	-0.0523 mg/L	22:24:57
2	V 292.402†	25900.3	21344.9	0.1138 mg/L	0.1138 mg/L	22:24:46
2	Zn 213.857†	21082.9	16017.6	0.1707 mg/L	0.1707 mg/L	22:24:46

Mean Data: 1210126-09

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3080156.5	1.24 mg/L	0.014			1.14%
Ag 328.068†	-516.2	0.0003 mg/L	0.00018	0.0003 mg/L	0.00018	54.59%
Al 237.313†	687002.7	88.69 mg/L	0.086	88.69 mg/L	0.086	0.10%
As 188.979†	32.0	0.0753 mg/L	0.00183	0.0753 mg/L	0.00183	2.43%
B 182.528†	4.5	0.0141 mg/L	0.00327	0.0141 mg/L	0.00327	23.16%
B 249.677†	-5.2	-0.0005 mg/L	0.00222	-0.0005 mg/L	0.00222	484.38%
Ba 233.527†	13578.4	0.1859 mg/L	0.00105	0.1859 mg/L	0.00105	0.56%
Be 313.107†	5660.3	0.0032 mg/L	0.00001	0.0032 mg/L	0.00001	0.32%
Ca 315.887†	315475.4	2.957 mg/L	0.0028	2.957 mg/L	0.0028	0.10%

Cd	228.802†	28.9	0.0008 mg/L	0.00017	0.0008 mg/L	0.00017	20.93%
Co	228.616†	1249.0	0.0216 mg/L	0.00058	0.0216 mg/L	0.00058	2.68%
Cr	267.716†	5807.6	0.0608 mg/L	0.00027	0.0608 mg/L	0.00027	0.45%
Cu	324.752†	10422.6	0.0582 mg/L	0.00069	0.0582 mg/L	0.00069	1.19%
Fe	234.349†	94188.1	80.75 mg/L	0.286	80.75 mg/L	0.286	0.35%
Fe	238.204†	8603107.9	72.70 mg/L	1.135	72.70 mg/L	1.135	1.56%
K	766.490†	4272.5	2.495 mg/L	0.0084	2.495 mg/L	0.0084	0.34%
Li	670.784†	2170.9	0.0676 mg/L	0.00033	0.0676 mg/L	0.00033	0.48%
Mg	279.077†	136138.5	11.97 mg/L	0.002	11.97 mg/L	0.002	0.02%
Mn	257.610†	404174.8	0.7118 mg/L	0.00076	0.7118 mg/L	0.00076	0.11%
Mo	202.031†	60.5	-0.0222 mg/L	0.00003	-0.0222 mg/L	0.00003	0.15%
Na	589.592†	2257.1	0.4705 mg/L	0.00191	0.4705 mg/L	0.00191	0.41%
Ni	231.604†	1658.7	0.0550 mg/L	0.00046	0.0550 mg/L	0.00046	0.84%
P	214.914†	4453.6	2.867 mg/L	0.0452	2.867 mg/L	0.0452	1.58%
Pb	220.353†	1434.8	0.0953 mg/L	0.00364	0.0953 mg/L	0.00364	3.82%
Sb	206.836†	10.5	-0.0280 mg/L	0.00405	-0.0280 mg/L	0.00405	14.43%
Se	196.026†	-15.9	0.0175 mg/L	0.00125	0.0175 mg/L	0.00125	7.14%
Sn	189.927†	-24.0	0.2279 mg/L	0.00210	0.2279 mg/L	0.00210	0.92%
Sr	407.771†	18560.9	0.0199 mg/L	0.00015	0.0199 mg/L	0.00015	0.73%
Ti	337.279†	2546656.2	3.602 mg/L	0.0098	3.602 mg/L	0.0098	0.27%
Tl	190.801†	2.2	-0.0542 mg/L	0.00273	-0.0542 mg/L	0.00273	5.03%
V	292.402†	21421.7	0.1142 mg/L	0.00062	0.1142 mg/L	0.00062	0.54%
Zn	213.857†	16084.0	0.1714 mg/L	0.00101	0.1714 mg/L	0.00101	0.59%

Sequence No.: 95

Sample ID: 1210126-10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 87

Date Collected: 10/6/2012 10:26:32 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	5.9	0.7	0.0029 mg/L	0.0029 mg/L	22:28:13
1	Fe 234.349†	218516.9	179229.6	153.6 mg/L	153.6 mg/L	22:28:11
1	K 766.490†	5509.2	4349.8	2.537 mg/L	2.537 mg/L	22:28:13
1	Li 670.784†	3532.5	3072.8	0.0955 mg/L	0.0955 mg/L	22:28:13
1	Na 589.592†	2959.4	2276.6	0.4737 mg/L	0.4737 mg/L	22:28:13
1	Sr 407.771†	31067.3	25349.9	0.0270 mg/L	0.0270 mg/L	22:28:11
1	Y 371.029	3020065.7	3020065.7	1.22 mg/L		22:28:27
1	Ag 328.068†	705.4	-805.6	0.0035 mg/L	0.0035 mg/L	22:28:29
1	Al 237.313†	1420008.8	1164794.3	150.4 mg/L	150.4 mg/L	22:28:27
1	As 188.979†	74.2	57.9	0.1379 mg/L	0.1379 mg/L	22:28:39
1	B 182.528†	17.3	11.5	0.0279 mg/L	0.0279 mg/L	22:28:39
1	Ba 233.527†	25996.7	21376.4	0.2938 mg/L	0.2938 mg/L	22:28:29
1	Be 313.107†	9778.4	8536.0	0.0050 mg/L	0.0050 mg/L	22:28:29
1	Ca 315.887†	373554.6	306231.3	2.870 mg/L	2.870 mg/L	22:28:27
1	Cd 228.802†	149.0	59.3	0.0017 mg/L	0.0017 mg/L	22:28:39
1	Co 228.616†	1861.7	1591.8	0.0249 mg/L	0.0249 mg/L	22:28:39
1	Cr 267.716†	16782.9	13356.7	0.1439 mg/L	0.1439 mg/L	22:28:29
1	Cu 324.752†	16928.4	12651.2	0.0729 mg/L	0.0729 mg/L	22:28:29
1	Fe 238.204†	18427298.5	15113597.1	127.7 mg/L	127.7 mg/L	22:28:23
1	Mg 279.077†	222177.7	182091.4	16.03 mg/L	16.03 mg/L	22:28:29
1	Mn 257.610†	736084.2	602555.4	1.063 mg/L	1.063 mg/L	22:28:27
1	Mo 202.031†	196.9	134.3	-0.0409 mg/L	-0.0409 mg/L	22:28:29
1	Ni 231.604†	3494.2	2884.7	0.0985 mg/L	0.0985 mg/L	22:28:39
1	P 214.914†	8328.5	6488.2	4.249 mg/L	4.249 mg/L	22:28:39
1	Pb 220.353†	3122.2	2502.6	0.1705 mg/L	0.1705 mg/L	22:28:39
1	Sb 206.836†	88.5	35.8	-0.0390 mg/L	-0.0390 mg/L	22:28:39
1	Se 196.026†	-37.3	-30.6	0.0343 mg/L	0.0343 mg/L	22:28:39
1	Sn 189.927†	34.7	25.6	0.4522 mg/L	0.4522 mg/L	22:28:39
1	Ti 337.279†	5424053.8	4449174.9	6.294 mg/L	6.294 mg/L	22:28:27
1	Tl 190.801†	-2.3	-3.9	-0.1039 mg/L	-0.1039 mg/L	22:28:39
1	V 292.402†	51913.6	43261.7	0.2355 mg/L	0.2355 mg/L	22:28:29
1	Zn 213.857†	26884.6	21249.1	0.2267 mg/L	0.2267 mg/L	22:28:29
2	B 249.677†	-11.9	-13.9	-0.0056 mg/L	-0.0056 mg/L	22:28:18
2	Fe 234.349†	220053.6	181018.1	155.2 mg/L	155.2 mg/L	22:28:16
2	K 766.490†	5550.0	4396.6	2.562 mg/L	2.562 mg/L	22:28:18
2	Li 670.784†	3652.6	3180.0	0.0988 mg/L	0.0988 mg/L	22:28:18
2	Na 589.592†	2900.0	2234.9	0.4669 mg/L	0.4669 mg/L	22:28:18
2	Sr 407.771†	31206.1	25538.6	0.0272 mg/L	0.0272 mg/L	22:28:16

2	Y 371.029	3011253.1	3011253.1	1.22 mg/L			22:28:46
2	Ag 328.068†	629.7	-866.2	0.0031 mg/L	0.0031 mg/L		22:28:48
2	Al 237.313†	1416541.6	1165350.8	150.4 mg/L	150.4 mg/L		22:28:46
2	As 188.979†	60.4	46.7	0.1246 mg/L	0.1246 mg/L		22:28:59
2	B 182.528†	19.2	13.1	0.0309 mg/L	0.0309 mg/L		22:28:59
2	Ba 233.527†	25942.8	21394.6	0.2940 mg/L	0.2940 mg/L		22:28:48
2	Be 313.107†	9812.5	8587.5	0.0050 mg/L	0.0050 mg/L		22:28:48
2	Ca 315.887†	373695.9	307244.2	2.880 mg/L	2.880 mg/L		22:28:46
2	Cd 228.802†	136.5	49.5	0.0014 mg/L	0.0014 mg/L		22:28:59
2	Co 228.616†	1842.7	1580.7	0.0246 mg/L	0.0246 mg/L		22:28:59
2	Cr 267.716†	16824.1	13430.9	0.1447 mg/L	0.1447 mg/L		22:28:48
2	Cu 324.752†	17006.1	12755.7	0.0735 mg/L	0.0735 mg/L		22:28:48
2	Fe 238.204†	18424945.4	15155892.7	128.1 mg/L	128.1 mg/L		22:28:43
2	Mg 279.077†	223030.9	183326.5	16.13 mg/L	16.13 mg/L		22:28:48
2	Mn 257.610†	734736.3	603213.5	1.064 mg/L	1.064 mg/L		22:28:46
2	Mo 202.031†	212.3	147.5	-0.0407 mg/L	-0.0407 mg/L		22:28:48
2	Ni 231.604†	3457.1	2862.6	0.0977 mg/L	0.0977 mg/L		22:28:59
2	P 214.914†	8239.1	6434.6	4.221 mg/L	4.221 mg/L		22:28:59
2	Pb 220.353†	3100.4	2492.2	0.1695 mg/L	0.1695 mg/L		22:28:59
2	Sb 206.836†	89.1	36.5	-0.0391 mg/L	-0.0391 mg/L		22:28:59
2	Se 196.026†	-27.4	-22.6	0.0427 mg/L	0.0427 mg/L		22:28:59
2	Sn 189.927†	21.9	15.1	0.4543 mg/L	0.4543 mg/L		22:28:59
2	Ti 337.279†	5408439.2	4449350.0	6.294 mg/L	6.294 mg/L		22:28:46
2	Tl 190.801†	9.0	5.4	-0.0983 mg/L	-0.0983 mg/L		22:28:59
2	V 292.402†	52010.8	43466.3	0.2365 mg/L	0.2365 mg/L		22:28:48
2	Zn 213.857†	27076.9	21471.9	0.2291 mg/L	0.2291 mg/L		22:28:48

Mean Data: 1210126-10

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3015659.4	1.22	mg/L	0.003				0.21%
Ag 328.068†	-835.9	0.0033	mg/L	0.00028	0.0033	mg/L	0.00028	8.51%
Al 237.313†	1165072.5	150.4	mg/L	0.05	150.4	mg/L	0.05	0.03%
As 188.979†	52.3	0.1312	mg/L	0.00945	0.1312	mg/L	0.00945	7.20%
B 182.528†	12.3	0.0294	mg/L	0.00219	0.0294	mg/L	0.00219	7.44%
B 249.677†	-6.6	-0.0013	mg/L	0.00602	-0.0013	mg/L	0.00602	454.31%
Ba 233.527†	21385.5	0.2939	mg/L	0.00018	0.2939	mg/L	0.00018	0.06%
Be 313.107†	8561.7	0.0050	mg/L	0.00002	0.0050	mg/L	0.00002	0.44%
Ca 315.887†	306737.8	2.875	mg/L	0.0068	2.875	mg/L	0.0068	0.23%
Cd 228.802†	54.4	0.0016	mg/L	0.00020	0.0016	mg/L	0.00020	12.82%
Co 228.616†	1586.2	0.0247	mg/L	0.00020	0.0247	mg/L	0.00020	0.80%
Cr 267.716†	13393.8	0.1443	mg/L	0.00058	0.1443	mg/L	0.00058	0.40%
Cu 324.752†	12703.4	0.0732	mg/L	0.00042	0.0732	mg/L	0.00042	0.57%
Fe 234.349†	180123.8	154.4	mg/L	1.08	154.4	mg/L	1.08	0.70%
Fe 238.204†	15134744.9	127.9	mg/L	0.25	127.9	mg/L	0.25	0.20%
K 766.490†	4373.2	2.549	mg/L	0.0178	2.549	mg/L	0.0178	0.70%
Li 670.784†	3126.4	0.0972	mg/L	0.00234	0.0972	mg/L	0.00234	2.41%
Mg 279.077†	182709.0	16.08	mg/L	0.077	16.08	mg/L	0.077	0.48%
Mn 257.610†	602884.4	1.063	mg/L	0.0008	1.063	mg/L	0.0008	0.08%
Mo 202.031†	140.9	-0.0408	mg/L	0.00016	-0.0408	mg/L	0.00016	0.39%
Na 589.592†	2255.8	0.4703	mg/L	0.00482	0.4703	mg/L	0.00482	1.03%
Ni 231.604†	2873.6	0.0981	mg/L	0.00055	0.0981	mg/L	0.00055	0.56%
P 214.914†	6461.4	4.235	mg/L	0.0200	4.235	mg/L	0.0200	0.47%
Pb 220.353†	2497.4	0.1700	mg/L	0.00065	0.1700	mg/L	0.00065	0.39%
Sb 206.836†	36.1	-0.0390	mg/L	0.00003	-0.0390	mg/L	0.00003	0.07%
Se 196.026†	-26.6	0.0385	mg/L	0.00596	0.0385	mg/L	0.00596	15.50%
Sn 189.927†	20.4	0.4533	mg/L	0.00149	0.4533	mg/L	0.00149	0.33%
Sr 407.771†	25444.3	0.0271	mg/L	0.00014	0.0271	mg/L	0.00014	0.52%
Ti 337.279†	4449262.5	6.294	mg/L	0.0002	6.294	mg/L	0.0002	0.00%
Tl 190.801†	0.7	-0.1011	mg/L	0.00397	-0.1011	mg/L	0.00397	3.93%
V 292.402†	43364.0	0.2360	mg/L	0.00071	0.2360	mg/L	0.00071	0.30%
Zn 213.857†	21360.5	0.2279	mg/L	0.00170	0.2279	mg/L	0.00170	0.74%

Sequence No.: 96
Sample ID: 1210126-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 10/6/2012 10:30:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	-11.9	-14.0	-0.0056	mg/L	-0.0056	mg/L	22:32:14
1	Fe 234.349†	176433.9	145084.2	124.4	mg/L	124.4	mg/L	22:32:12
1	K 766.490†	4329.5	3391.4	2.021	mg/L	2.021	mg/L	22:32:14
1	Li 670.784†	2839.4	2510.2	0.0781	mg/L	0.0781	mg/L	22:32:14
1	Na 589.592†	2727.6	2092.3	0.4435	mg/L	0.4435	mg/L	22:32:14
1	Sr 407.771†	26079.1	21313.4	0.0228	mg/L	0.0228	mg/L	22:32:14
1	Y 371.029	3012354.7	3012354.7	1.22	mg/L			22:32:27
1	Ag 328.068†	386.4	-1066.5	-0.0010	mg/L	-0.0010	mg/L	22:32:29
1	Al 237.313†	1353872.1	1113392.5	143.7	mg/L	143.7	mg/L	22:32:27
1	As 188.979†	46.3	35.1	0.0973	mg/L	0.0973	mg/L	22:32:39
1	B 182.528†	7.4	3.4	0.0120	mg/L	0.0120	mg/L	22:32:39
1	Ba 233.527†	28686.9	23643.2	0.3252	mg/L	0.3252	mg/L	22:32:29
1	Be 313.107†	7949.0	7052.1	0.0041	mg/L	0.0041	mg/L	22:32:29
1	Ca 315.887†	265834.8	218439.5	2.043	mg/L	2.043	mg/L	22:32:29
1	Cd 228.802†	126.0	40.7	0.0012	mg/L	0.0012	mg/L	22:32:39
1	Co 228.616†	1394.0	1211.1	0.0182	mg/L	0.0182	mg/L	22:32:39
1	Cr 267.716†	11498.0	9046.2	0.0964	mg/L	0.0964	mg/L	22:32:29
1	Cu 324.752†	7167.0	4660.1	0.0267	mg/L	0.0267	mg/L	22:32:29
1	Fe 238.204†	15351398.8	12623026.9	106.7	mg/L	106.7	mg/L	22:32:24
1	Mg 279.077†	116343.0	95531.9	8.390	mg/L	8.390	mg/L	22:32:29
1	Mn 257.610†	466615.7	382521.6	0.6735	mg/L	0.6735	mg/L	22:32:27
1	Mo 202.031†	234.4	165.6	-0.0301	mg/L	-0.0301	mg/L	22:32:39
1	Ni 231.604†	2624.3	2176.7	0.0734	mg/L	0.0734	mg/L	22:32:39
1	P 214.914†	3732.2	2726.2	1.943	mg/L	1.943	mg/L	22:32:39
1	Pb 220.353†	1782.1	1407.3	0.0778	mg/L	0.0778	mg/L	22:32:39
1	Sb 206.836†	73.0	23.2	-0.0366	mg/L	-0.0366	mg/L	22:32:39
1	Se 196.026†	-25.9	-21.3	0.0308	mg/L	0.0308	mg/L	22:32:39
1	Sn 189.927†	50.6	38.8	0.3696	mg/L	0.3696	mg/L	22:32:39
1	Ti 337.279†	4173216.4	3432021.2	4.854	mg/L	4.854	mg/L	22:32:27
1	Tl 190.801†	7.9	4.5	-0.0792	mg/L	-0.0792	mg/L	22:32:39
1	V 292.402†	40304.3	33824.6	0.1829	mg/L	0.1829	mg/L	22:32:29
1	Zn 213.857†	27910.5	22149.2	0.2366	mg/L	0.2366	mg/L	22:32:29
2	B 249.677†	-16.3	-17.5	-0.0076	mg/L	-0.0076	mg/L	22:32:19
2	Fe 234.349†	178099.3	145527.5	124.8	mg/L	124.8	mg/L	22:32:17
2	K 766.490†	4303.3	3347.5	1.998	mg/L	1.998	mg/L	22:32:19
2	Li 670.784†	2929.6	2569.1	0.0799	mg/L	0.0799	mg/L	22:32:19
2	Na 589.592†	2718.0	2070.3	0.4399	mg/L	0.4399	mg/L	22:32:19
2	Sr 407.771†	26220.5	21293.4	0.0228	mg/L	0.0228	mg/L	22:32:19
2	Y 371.029	3031527.4	3031527.4	1.22	mg/L			22:32:46
2	Ag 328.068†	403.4	-1054.6	-0.0009	mg/L	-0.0009	mg/L	22:32:48
2	Al 237.313†	1355857.3	1107973.9	143.0	mg/L	143.0	mg/L	22:32:46
2	As 188.979†	45.3	34.0	0.0961	mg/L	0.0961	mg/L	22:32:58
2	B 182.528†	11.0	6.3	0.0177	mg/L	0.0177	mg/L	22:32:58
2	Ba 233.527†	28744.9	23541.4	0.3238	mg/L	0.3238	mg/L	22:32:48
2	Be 313.107†	7922.7	6989.3	0.0040	mg/L	0.0040	mg/L	22:32:48
2	Ca 315.887†	266583.3	217668.6	2.036	mg/L	2.036	mg/L	22:32:48
2	Cd 228.802†	120.2	35.4	0.0010	mg/L	0.0010	mg/L	22:32:58
2	Co 228.616†	1355.3	1172.3	0.0172	mg/L	0.0172	mg/L	22:32:58
2	Cr 267.716†	11508.3	8994.9	0.0959	mg/L	0.0959	mg/L	22:32:48
2	Cu 324.752†	7130.4	4592.9	0.0263	mg/L	0.0263	mg/L	22:32:48
2	Fe 238.204†	15486583.3	12653649.2	106.9	mg/L	106.9	mg/L	22:32:43
2	Mg 279.077†	116680.2	95202.4	8.361	mg/L	8.361	mg/L	22:32:48
2	Mn 257.610†	466822.0	380263.6	0.6695	mg/L	0.6695	mg/L	22:32:46
2	Mo 202.031†	223.6	155.6	-0.0308	mg/L	-0.0308	mg/L	22:32:58
2	Ni 231.604†	2629.4	2167.2	0.0730	mg/L	0.0730	mg/L	22:32:58
2	P 214.914†	3722.4	2698.8	1.927	mg/L	1.927	mg/L	22:32:58
2	Pb 220.353†	1725.4	1351.7	0.0732	mg/L	0.0732	mg/L	22:32:58
2	Sb 206.836†	76.8	25.9	-0.0345	mg/L	-0.0345	mg/L	22:32:58
2	Se 196.026†	-32.3	-26.5	0.0260	mg/L	0.0260	mg/L	22:32:58
2	Sn 189.927†	37.5	27.8	0.3683	mg/L	0.3683	mg/L	22:32:58
2	Ti 337.279†	4175700.5	3412348.1	4.827	mg/L	4.827	mg/L	22:32:46
2	Tl 190.801†	1.2	-1.0	-0.0833	mg/L	-0.0833	mg/L	22:32:58
2	V 292.402†	40437.6	33723.9	0.1822	mg/L	0.1822	mg/L	22:32:48
2	Zn 213.857†	28184.2	22227.6	0.2374	mg/L	0.2374	mg/L	22:32:48

Mean Data: 1210126-11

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3021941.1	1.22	mg/L	0.005				0.45%
Ag 328.068†	-1060.5	-0.0009	mg/L	0.00009	-0.0009	mg/L	0.00009	10.03%

Al 237.313†	1110683.2	143.4 mg/L	0.49	143.4 mg/L	0.49	0.34%
As 188.979†	34.6	0.0967 mg/L	0.00088	0.0967 mg/L	0.00088	0.91%
B 182.528†	4.9	0.0148 mg/L	0.00404	0.0148 mg/L	0.00404	27.19%
B 249.677†	-15.7	-0.0066 mg/L	0.00143	-0.0066 mg/L	0.00143	21.65%
Ba 233.527†	23592.3	0.3245 mg/L	0.00100	0.3245 mg/L	0.00100	0.31%
Be 313.107†	7020.7	0.0040 mg/L	0.00003	0.0040 mg/L	0.00003	0.66%
Ca 315.887†	218054.1	2.039 mg/L	0.0051	2.039 mg/L	0.0051	0.25%
Cd 228.802†	38.1	0.0011 mg/L	0.00013	0.0011 mg/L	0.00013	11.63%
Co 228.616†	1191.7	0.0177 mg/L	0.00065	0.0177 mg/L	0.00065	3.68%
Cr 267.716†	9020.6	0.0961 mg/L	0.00040	0.0961 mg/L	0.00040	0.42%
Cu 324.752†	4626.5	0.0265 mg/L	0.00028	0.0265 mg/L	0.00028	1.07%
Fe 234.349†	145305.8	124.6 mg/L	0.27	124.6 mg/L	0.27	0.22%
Fe 238.204†	12638338.0	106.8 mg/L	0.18	106.8 mg/L	0.18	0.17%
K 766.490†	3369.4	2.010 mg/L	0.0167	2.010 mg/L	0.0167	0.83%
Li 670.784†	2539.7	0.0790 mg/L	0.00129	0.0790 mg/L	0.00129	1.63%
Mg 279.077†	95367.1	8.375 mg/L	0.0206	8.375 mg/L	0.0206	0.25%
Mn 257.610†	381392.6	0.6715 mg/L	0.00282	0.6715 mg/L	0.00282	0.42%
Mo 202.031†	160.6	-0.0304 mg/L	0.00046	-0.0304 mg/L	0.00046	1.51%
Na 589.592†	2081.3	0.4417 mg/L	0.00255	0.4417 mg/L	0.00255	0.58%
Ni 231.604†	2172.0	0.0732 mg/L	0.00024	0.0732 mg/L	0.00024	0.33%
P 214.914†	2712.5	1.935 mg/L	0.0109	1.935 mg/L	0.0109	0.56%
Pb 220.353†	1379.5	0.0755 mg/L	0.00326	0.0755 mg/L	0.00326	4.32%
Sb 206.836†	24.6	-0.0356 mg/L	0.00150	-0.0356 mg/L	0.00150	4.22%
Se 196.026†	-23.9	0.0284 mg/L	0.00340	0.0284 mg/L	0.00340	11.96%
Sn 189.927†	33.3	0.3690 mg/L	0.00097	0.3690 mg/L	0.00097	0.26%
Sr 407.771†	21303.4	0.0228 mg/L	0.00001	0.0228 mg/L	0.00001	0.07%
Ti 337.279†	3422184.6	4.840 mg/L	0.0197	4.840 mg/L	0.0197	0.41%
Tl 190.801†	1.7	-0.0813 mg/L	0.00284	-0.0813 mg/L	0.00284	3.50%
V 292.402†	33774.3	0.1825 mg/L	0.00049	0.1825 mg/L	0.00049	0.27%
Zn 213.857†	22188.4	0.2370 mg/L	0.00060	0.2370 mg/L	0.00060	0.25%

Sequence No.: 97

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/6/2012 10:34:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	997.0	838.6	0.4898 mg/L	0.4898 mg/L	0.4898 mg/L	22:36:19
1	Fe 234.349†	3716.5	3147.3	2.704 mg/L	2.704 mg/L	2.704 mg/L	22:36:19
1	K 766.490†	52548.6	44250.2	24.00 mg/L	24.00 mg/L	24.00 mg/L	22:36:17
1	Li 670.784†	18267.0	15616.4	0.4830 mg/L	0.4830 mg/L	0.4830 mg/L	22:36:19
1	Na 589.592†	172523.3	145682.1	23.93 mg/L	23.93 mg/L	23.93 mg/L	22:36:17
1	Sr 407.771†	56192.9	47368.5	0.0501 mg/L	0.0501 mg/L	0.0501 mg/L	22:36:17
1	Y 371.029	2930353.7	2930353.7	1.18 mg/L	1.18 mg/L	1.18 mg/L	22:36:28
1	Ag 328.068†	37898.5	30651.1	0.2595 mg/L	0.2595 mg/L	0.2595 mg/L	22:36:30
1	Al 237.313†	24215.7	20596.9	2.657 mg/L	2.657 mg/L	2.657 mg/L	22:36:30
1	As 188.979†	515.3	432.6	0.5416 mg/L	0.5416 mg/L	0.5416 mg/L	22:36:40
1	B 182.528†	329.8	276.1	0.5442 mg/L	0.5442 mg/L	0.5442 mg/L	22:36:40
1	Ba 233.527†	45617.7	38614.7	0.5322 mg/L	0.5322 mg/L	0.5322 mg/L	22:36:30
1	Be 313.107†	97685.3	83088.5	0.0495 mg/L	0.0495 mg/L	0.0495 mg/L	22:36:30
1	Ca 315.887†	616935.2	521339.0	4.898 mg/L	4.898 mg/L	4.898 mg/L	22:36:28
1	Cd 228.802†	8506.0	7127.3	0.2501 mg/L	0.2501 mg/L	0.2501 mg/L	22:36:40
1	Co 228.616†	24537.1	20805.9	0.5190 mg/L	0.5190 mg/L	0.5190 mg/L	22:36:30
1	Cr 267.716†	55351.6	46379.9	0.5082 mg/L	0.5082 mg/L	0.5082 mg/L	22:36:30
1	Cu 324.752†	109181.5	91057.1	0.5098 mg/L	0.5098 mg/L	0.5098 mg/L	22:36:30
1	Fe 238.204†	367477.6	310469.3	2.613 mg/L	2.613 mg/L	2.613 mg/L	22:36:30
1	Mg 279.077†	70129.2	59144.7	5.180 mg/L	5.180 mg/L	5.180 mg/L	22:36:30
1	Mn 257.610†	354481.9	298472.7	0.5250 mg/L	0.5250 mg/L	0.5250 mg/L	22:36:30
1	Mo 202.031†	11293.1	9518.9	0.5061 mg/L	0.5061 mg/L	0.5061 mg/L	22:36:40
1	Ni 231.604†	18352.5	15532.0	0.5474 mg/L	0.5474 mg/L	0.5474 mg/L	22:36:30
1	P 214.914†	10470.6	8508.0	5.083 mg/L	5.083 mg/L	5.083 mg/L	22:36:40
1	Pb 220.353†	6961.7	5826.6	0.4972 mg/L	0.4972 mg/L	0.4972 mg/L	22:36:40
1	Sb 206.836†	803.1	642.1	0.5389 mg/L	0.5389 mg/L	0.5389 mg/L	22:36:40
1	Se 196.026†	1327.5	1122.0	1.088 mg/L	1.088 mg/L	1.088 mg/L	22:36:40
1	Sn 189.927†	2849.8	2406.1	0.5492 mg/L	0.5492 mg/L	0.5492 mg/L	22:36:40
1	Ti 337.279†	411219.2	348059.6	0.4905 mg/L	0.4905 mg/L	0.4905 mg/L	22:36:28
1	Tl 190.801†	860.2	725.1	0.4968 mg/L	0.4968 mg/L	0.4968 mg/L	22:36:40
1	V 292.402†	95763.9	81631.6	0.5150 mg/L	0.5150 mg/L	0.5150 mg/L	22:36:30

1	Zn 213.857†	59209.7	49248.4	0.5245 mg/L	0.5245 mg/L	22:36:30
2	B 249.677†	1012.7	835.8	0.4882 mg/L	0.4882 mg/L	22:36:24
2	Fe 234.349†	3772.7	3135.1	2.694 mg/L	2.694 mg/L	22:36:24
2	K 766.490†	53083.2	43861.7	23.79 mg/L	23.79 mg/L	22:36:22
2	Li 670.784†	18533.0	15547.9	0.4808 mg/L	0.4808 mg/L	22:36:24
2	Na 589.592†	174564.2	144643.7	23.76 mg/L	23.76 mg/L	22:36:22
2	Sr 407.771†	57029.3	47172.6	0.0499 mg/L	0.0499 mg/L	22:36:22
2	Y 371.029	2986282.2	2986282.2	1.21 mg/L		22:36:43
2	Ag 328.068†	38135.8	30248.0	0.2561 mg/L	0.2561 mg/L	22:36:45
2	Al 237.313†	24361.8	20334.7	2.623 mg/L	2.623 mg/L	22:36:45
2	As 188.979†	510.0	420.1	0.5260 mg/L	0.5260 mg/L	22:36:55
2	B 182.528†	336.8	276.7	0.5454 mg/L	0.5454 mg/L	22:36:55
2	Ba 233.527†	45892.5	38120.5	0.5253 mg/L	0.5253 mg/L	22:36:45
2	Be 313.107†	98152.5	81929.5	0.0488 mg/L	0.0488 mg/L	22:36:45
2	Ca 315.887†	631212.8	523414.9	4.917 mg/L	4.917 mg/L	22:36:43
2	Cd 228.802†	8506.8	6993.3	0.2454 mg/L	0.2454 mg/L	22:36:55
2	Co 228.616†	24674.1	20531.1	0.5121 mg/L	0.5121 mg/L	22:36:45
2	Cr 267.716†	55514.8	45639.0	0.5000 mg/L	0.5000 mg/L	22:36:45
2	Cu 324.752†	109979.5	89990.5	0.5038 mg/L	0.5038 mg/L	22:36:45
2	Fe 238.204†	367965.1	305056.1	2.567 mg/L	2.567 mg/L	22:36:45
2	Mg 279.077†	70453.4	58303.5	5.106 mg/L	5.106 mg/L	22:36:45
2	Mn 257.610†	356700.9	294701.4	0.5183 mg/L	0.5183 mg/L	22:36:45
2	Mo 202.031†	11329.5	9370.2	0.4981 mg/L	0.4981 mg/L	22:36:55
2	Ni 231.604†	18486.4	15352.5	0.5411 mg/L	0.5411 mg/L	22:36:45
2	P 214.914†	10489.6	8358.0	4.994 mg/L	4.994 mg/L	22:36:55
2	Pb 220.353†	7014.4	5760.0	0.4915 mg/L	0.4915 mg/L	22:36:55
2	Sb 206.836†	805.8	631.6	0.5300 mg/L	0.5300 mg/L	22:36:55
2	Se 196.026†	1334.8	1107.1	1.073 mg/L	1.073 mg/L	22:36:55
2	Sn 189.927†	2852.6	2363.3	0.5395 mg/L	0.5395 mg/L	22:36:55
2	Ti 337.279†	418728.7	347778.5	0.4901 mg/L	0.4901 mg/L	22:36:43
2	Tl 190.801†	869.0	718.8	0.4923 mg/L	0.4923 mg/L	22:36:55
2	V 292.402†	96464.5	80696.7	0.5091 mg/L	0.5091 mg/L	22:36:45
2	Zn 213.857†	59651.4	48677.4	0.5184 mg/L	0.5184 mg/L	22:36:45

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2958317.9	1.19 mg/L	0.016			1.34%
Ag 328.068†	30449.5	0.2578 mg/L	0.00243	0.2578 mg/L	0.00243	0.94%
QC value within limits for Ag 328.068		Recovery = 103.13%				
Al 237.313†	20465.8	2.640 mg/L	0.0240	2.640 mg/L	0.0240	0.91%
QC value within limits for Al 237.313		Recovery = 105.59%				
As 188.979†	426.3	0.5338 mg/L	0.01104	0.5338 mg/L	0.01104	2.07%
QC value within limits for As 188.979		Recovery = 106.76%				
B 182.528†	276.4	0.5448 mg/L	0.00084	0.5448 mg/L	0.00084	0.15%
QC value within limits for B 182.528		Recovery = 108.95%				
B 249.677†	837.2	0.4890 mg/L	0.00112	0.4890 mg/L	0.00112	0.23%
QC value within limits for B 249.677		Recovery = 97.80%				
Ba 233.527†	38367.6	0.5288 mg/L	0.00483	0.5288 mg/L	0.00483	0.91%
QC value within limits for Ba 233.527		Recovery = 105.75%				
Be 313.107†	82509.0	0.0492 mg/L	0.00049	0.0492 mg/L	0.00049	1.00%
QC value within limits for Be 313.107		Recovery = 98.34%				
Ca 315.887†	522376.9	4.907 mg/L	0.0138	4.907 mg/L	0.0138	0.28%
QC value within limits for Ca 315.887		Recovery = 98.15%				
Cd 228.802†	7060.3	0.2477 mg/L	0.00331	0.2477 mg/L	0.00331	1.34%
QC value within limits for Cd 228.802		Recovery = 99.09%				
Co 228.616†	20668.5	0.5155 mg/L	0.00488	0.5155 mg/L	0.00488	0.95%
QC value within limits for Co 228.616		Recovery = 103.11%				
Cr 267.716†	46009.4	0.5041 mg/L	0.00578	0.5041 mg/L	0.00578	1.15%
QC value within limits for Cr 267.716		Recovery = 100.82%				
Cu 324.752†	90523.8	0.5068 mg/L	0.00425	0.5068 mg/L	0.00425	0.84%
QC value within limits for Cu 324.752		Recovery = 101.36%				
Fe 234.349†	3141.2	2.699 mg/L	0.0074	2.699 mg/L	0.0074	0.27%
QC value within limits for Fe 234.349		Recovery = 107.96%				
Fe 238.204†	307762.7	2.590 mg/L	0.0324	2.590 mg/L	0.0324	1.25%
QC value within limits for Fe 238.204		Recovery = 103.61%				
K 766.490†	44056.0	23.89 mg/L	0.148	23.89 mg/L	0.148	0.62%
QC value within limits for K 766.490		Recovery = 95.57%				
Li 670.784†	15582.1	0.4819 mg/L	0.00150	0.4819 mg/L	0.00150	0.31%
QC value within limits for Li 670.784		Recovery = 96.38%				
Mg 279.077†	58724.1	5.143 mg/L	0.0525	5.143 mg/L	0.0525	1.02%
QC value within limits for Mg 279.077		Recovery = 102.86%				

Mn	257.610†	296587.1	0.5216 mg/L	0.00472	0.5216 mg/L	0.00472	0.90%
	QC value within limits for Mn 257.610 Recovery = 104.33%						
Mo	202.031†	9444.6	0.5021 mg/L	0.00560	0.5021 mg/L	0.00560	1.12%
	QC value within limits for Mo 202.031 Recovery = 100.42%						
Na	589.592†	145162.9	23.85 mg/L	0.120	23.85 mg/L	0.120	0.50%
	QC value within limits for Na 589.592 Recovery = 95.38%						
Ni	231.604†	15442.3	0.5443 mg/L	0.00451	0.5443 mg/L	0.00451	0.83%
	QC value within limits for Ni 231.604 Recovery = 108.85%						
P	214.914†	8433.0	5.039 mg/L	0.0630	5.039 mg/L	0.0630	1.25%
	QC value within limits for P 214.914 Recovery = 100.77%						
Pb	220.353†	5793.3	0.4943 mg/L	0.00404	0.4943 mg/L	0.00404	0.82%
	QC value within limits for Pb 220.353 Recovery = 98.86%						
Sb	206.836†	636.8	0.5345 mg/L	0.00624	0.5345 mg/L	0.00624	1.17%
	QC value within limits for Sb 206.836 Recovery = 106.89%						
Se	196.026†	1114.6	1.080 mg/L	0.0102	1.080 mg/L	0.0102	0.95%
	QC value within limits for Se 196.026 Recovery = 108.05%						
Sn	189.927†	2384.7	0.5444 mg/L	0.00687	0.5444 mg/L	0.00687	1.26%
	QC value within limits for Sn 189.927 Recovery = 108.88%						
Sr	407.771†	47270.6	0.0500 mg/L	0.00015	0.0500 mg/L	0.00015	0.29%
	QC value within limits for Sr 407.771 Recovery = 100.09%						
Ti	337.279†	347919.1	0.4903 mg/L	0.00028	0.4903 mg/L	0.00028	0.06%
	QC value within limits for Ti 337.279 Recovery = 98.05%						
Tl	190.801†	722.0	0.4946 mg/L	0.00312	0.4946 mg/L	0.00312	0.63%
	QC value within limits for Tl 190.801 Recovery = 98.91%						
V	292.402†	81164.1	0.5121 mg/L	0.00421	0.5121 mg/L	0.00421	0.82%
	QC value within limits for V 292.402 Recovery = 102.41%						
Zn	213.857†	48962.9	0.5214 mg/L	0.00431	0.5214 mg/L	0.00431	0.83%
	QC value within limits for Zn 213.857 Recovery = 104.28%						

All analyte(s) passed QC.

Sequence No.: 98

Sample ID: CCB1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 10/6/2012 10:38:34 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	6.9	1.4	0.0034 mg/L	0.0034 mg/L	22:40:31
1	Fe 234.349†	22.8	24.0	0.0391 mg/L	0.0391 mg/L	22:40:31
1	K 766.490†	259.3	39.2	0.2183 mg/L	0.2183 mg/L	22:40:21
1	Li 670.784†	-149.5	55.6	0.0023 mg/L	0.0023 mg/L	22:40:21
1	Na 589.592†	394.2	165.4	0.1283 mg/L	0.1283 mg/L	22:40:21
1	Sr 407.771†	213.6	40.3	0.0005 mg/L	0.0005 mg/L	22:40:21
1	Y 371.029	3089972.5	3089972.5	1.25 mg/L		22:40:55
1	Ag 328.068†	1471.7	-204.4	-0.0033 mg/L	-0.0033 mg/L	22:40:57
1	Al 237.313†	38.7	158.5	0.0127 mg/L	0.0127 mg/L	22:41:07
1	As 188.979†	0.4	-2.7	-0.0017 mg/L	-0.0017 mg/L	22:41:07
1	B 182.528†	-1.1	-3.6	-0.0016 mg/L	-0.0016 mg/L	22:41:07
1	Ba 233.527†	-7.1	48.7	-0.0012 mg/L	-0.0012 mg/L	22:41:07
1	Be 313.107†	-400.5	194.8	0.0000 mg/L	0.0000 mg/L	22:40:57
1	Ca 315.887†	725.2	429.6	-0.0122 mg/L	-0.0122 mg/L	22:40:57
1	Cd 228.802†	91.2	10.3	0.0003 mg/L	0.0003 mg/L	22:41:07
1	Co 228.616†	-33.5	38.0	-0.0018 mg/L	-0.0018 mg/L	22:41:07
1	Cr 267.716†	442.9	-53.3	-0.0038 mg/L	-0.0038 mg/L	22:40:57
1	Cu 324.752†	1648.8	88.5	-0.0028 mg/L	-0.0028 mg/L	22:40:57
1	Fe 238.204†	3166.2	2381.4	0.0084 mg/L	0.0084 mg/L	22:41:07
1	Mg 279.077†	211.2	34.4	-0.0348 mg/L	-0.0348 mg/L	22:40:57
1	Mn 257.610†	843.2	-492.3	-0.0037 mg/L	-0.0037 mg/L	22:41:07
1	Mo 202.031†	41.4	6.1	0.0001 mg/L	0.0001 mg/L	22:41:07
1	Ni 231.604†	12.9	29.1	-0.0027 mg/L	-0.0027 mg/L	22:41:07
1	P 214.914†	359.8	-54.3	-0.0044 mg/L	-0.0044 mg/L	22:41:07
1	Pb 220.353†	67.7	-3.8	-0.0042 mg/L	-0.0042 mg/L	22:41:07
1	Sb 206.836†	35.6	-8.3	-0.0082 mg/L	-0.0082 mg/L	22:41:07
1	Se 196.026†	10.5	8.3	0.0066 mg/L	0.0066 mg/L	22:41:07
1	Sn 189.927†	7.1	2.8	-0.0019 mg/L	-0.0019 mg/L	22:41:07
1	Ti 337.279†	861.6	1149.8	-0.0004 mg/L	-0.0004 mg/L	22:40:57
1	Tl 190.801†	3.5	0.8	-0.0039 mg/L	-0.0039 mg/L	22:41:07
1	V 292.402†	-639.5	170.4	-0.0011 mg/L	-0.0011 mg/L	22:40:57
1	Zn 213.857†	1070.5	57.0	-0.0005 mg/L	-0.0005 mg/L	22:41:07

2	B 249.677†	7.2	1.6	0.0036 mg/L	0.0036 mg/L	22:40:51
2	Fe 234.349†	27.1	27.6	0.0422 mg/L	0.0422 mg/L	22:40:51
2	K 766.490†	203.2	-4.7	0.1947 mg/L	0.1947 mg/L	22:40:41
2	Li 670.784†	-153.8	51.3	0.0022 mg/L	0.0022 mg/L	22:40:41
2	Na 589.592†	418.8	187.5	0.1319 mg/L	0.1319 mg/L	22:40:41
2	Sr 407.771†	208.8	37.6	0.0005 mg/L	0.0005 mg/L	22:40:41
2	Y 371.029	3068789.9	3068789.9	1.24 mg/L		22:41:09
2	Ag 328.068†	1507.1	-167.8	-0.0029 mg/L	-0.0029 mg/L	22:41:12
2	Al 237.313†	44.4	163.3	0.0133 mg/L	0.0133 mg/L	22:41:22
2	As 188.979†	0.3	-2.7	-0.0018 mg/L	-0.0018 mg/L	22:41:22
2	B 182.528†	1.1	-1.8	0.0019 mg/L	0.0019 mg/L	22:41:22
2	Ba 233.527†	-5.3	50.2	-0.0012 mg/L	-0.0012 mg/L	22:41:22
2	Be 313.107†	-450.1	152.6	-0.0001 mg/L	-0.0001 mg/L	22:41:12
2	Ca 315.887†	1033.5	682.4	-0.0098 mg/L	-0.0098 mg/L	22:41:12
2	Cd 228.802†	79.3	1.2	0.0000 mg/L	0.0000 mg/L	22:41:22
2	Co 228.616†	-39.6	32.9	-0.0019 mg/L	-0.0019 mg/L	22:41:22
2	Cr 267.716†	457.6	-39.0	-0.0036 mg/L	-0.0036 mg/L	22:41:12
2	Cu 324.752†	1685.5	127.2	-0.0026 mg/L	-0.0026 mg/L	22:41:12
2	Fe 238.204†	2933.6	2211.2	0.0070 mg/L	0.0070 mg/L	22:41:22
2	Mg 279.077†	257.0	72.6	-0.0314 mg/L	-0.0314 mg/L	22:41:12
2	Mn 257.610†	841.9	-488.7	-0.0037 mg/L	-0.0037 mg/L	22:41:22
2	Mo 202.031†	48.9	12.3	0.0004 mg/L	0.0004 mg/L	22:41:22
2	Ni 231.604†	9.8	26.7	-0.0028 mg/L	-0.0028 mg/L	22:41:22
2	P 214.914†	368.1	-45.6	0.0008 mg/L	0.0008 mg/L	22:41:22
2	Pb 220.353†	49.8	-17.9	-0.0054 mg/L	-0.0054 mg/L	22:41:22
2	Sb 206.836†	39.2	-5.2	-0.0055 mg/L	-0.0055 mg/L	22:41:22
2	Se 196.026†	2.4	1.9	0.0003 mg/L	0.0003 mg/L	22:41:22
2	Sn 189.927†	-1.3	-3.9	-0.0035 mg/L	-0.0035 mg/L	22:41:22
2	Ti 337.279†	777.1	1086.4	-0.0005 mg/L	-0.0005 mg/L	22:41:12
2	Tl 190.801†	4.7	1.8	-0.0032 mg/L	-0.0032 mg/L	22:41:22
2	V 292.402†	-646.1	161.6	-0.0012 mg/L	-0.0012 mg/L	22:41:12
2	Zn 213.857†	1076.8	68.0	-0.0003 mg/L	-0.0003 mg/L	22:41:22

Mean Data: CCBL

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3079381.2	1.24 mg/L	0.006			0.49%
Ag 328.068†	-186.1	-0.0031 mg/L	0.00022	-0.0031 mg/L	0.00022	7.11%
	QC value less than the lower limit for Ag 328.068			Recovery = Not calculated		
Al 237.313†	160.9	0.0130 mg/L	0.00044	0.0130 mg/L	0.00044	3.40%
	QC value within limits for Al 237.313			Recovery = Not calculated		
As 188.979†	-2.7	-0.0017 mg/L	0.00004	-0.0017 mg/L	0.00004	2.07%
	QC value within limits for As 188.979			Recovery = Not calculated		
B 182.528†	-2.7	0.0002 mg/L	0.00249	0.0002 mg/L	0.00249	>999.9%
	QC value within limits for B 182.528			Recovery = Not calculated		
B 249.677†	1.5	0.0035 mg/L	0.00010	0.0035 mg/L	0.00010	2.82%
	QC value within limits for B 249.677			Recovery = Not calculated		
Ba 233.527†	49.5	-0.0012 mg/L	0.00001	-0.0012 mg/L	0.00001	1.14%
	QC value within limits for Ba 233.527			Recovery = Not calculated		
Be 313.107†	173.7	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	30.11%
	QC value within limits for Be 313.107			Recovery = Not calculated		
Ca 315.887†	556.0	-0.0110 mg/L	0.00168	-0.0110 mg/L	0.00168	15.31%
	QC value within limits for Ca 315.887			Recovery = Not calculated		
Cd 228.802†	5.7	0.0002 mg/L	0.00023	0.0002 mg/L	0.00023	125.74%
	QC value within limits for Cd 228.802			Recovery = Not calculated		
Co 228.616†	35.5	-0.0018 mg/L	0.00009	-0.0018 mg/L	0.00009	4.89%
	QC value less than the lower limit for Co 228.616			Recovery = Not calculated		
Cr 267.716†	-46.2	-0.0037 mg/L	0.00011	-0.0037 mg/L	0.00011	3.00%
	QC value within limits for Cr 267.716			Recovery = Not calculated		
Cu 324.752†	107.9	-0.0027 mg/L	0.00015	-0.0027 mg/L	0.00015	5.68%
	QC value within limits for Cu 324.752			Recovery = Not calculated		
Fe 234.349†	25.8	0.0406 mg/L	0.00219	0.0406 mg/L	0.00219	5.38%
	QC value greater than the upper limit for Fe 234.349			Recovery = Not calculated		
Fe 238.204†	2296.3	0.0077 mg/L	0.00102	0.0077 mg/L	0.00102	13.22%
	QC value within limits for Fe 238.204			Recovery = Not calculated		
K 766.490†	17.2	0.2065 mg/L	0.01668	0.2065 mg/L	0.01668	8.08%
	QC value greater than the upper limit for K 766.490			Recovery = Not calculated		
Li 670.784†	53.5	0.0022 mg/L	0.00009	0.0022 mg/L	0.00009	4.21%
	QC value within limits for Li 670.784			Recovery = Not calculated		
Mg 279.077†	53.5	-0.0331 mg/L	0.00238	-0.0331 mg/L	0.00238	7.20%
	QC value less than the lower limit for Mg 279.077			Recovery = Not calculated		
Mn 257.610†	-490.5	-0.0037 mg/L	0.00000	-0.0037 mg/L	0.00000	0.12%

Mo	202.031†	9.2	0.0002 mg/L	0.00024	0.0002 mg/L	0.00024	96.86%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated						
Na	589.592†	176.4	0.1301 mg/L	0.00255	0.1301 mg/L	0.00255	1.96%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	27.9	-0.0028 mg/L	0.00006	-0.0028 mg/L	0.00006	2.14%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-49.9	-0.0018 mg/L	0.00366	-0.0018 mg/L	0.00366	202.54%
	QC value within limits for P 214.914 Recovery = Not calculated						
Pb	220.353†	-10.9	-0.0048 mg/L	0.00086	-0.0048 mg/L	0.00086	17.84%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-6.7	-0.0069 mg/L	0.00187	-0.0069 mg/L	0.00187	27.20%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	5.1	0.0035 mg/L	0.00441	0.0035 mg/L	0.00441	127.53%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	-0.6	-0.0027 mg/L	0.00108	-0.0027 mg/L	0.00108	39.79%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	38.9	0.0005 mg/L	0.00000	0.0005 mg/L	0.00000	0.41%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	1118.1	-0.0005 mg/L	0.00006	-0.0005 mg/L	0.00006	13.39%
	QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	1.3	-0.0036 mg/L	0.00048	-0.0036 mg/L	0.00048	13.49%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	166.0	-0.0011 mg/L	0.00004	-0.0011 mg/L	0.00004	3.28%
	QC value within limits for V 292.402 Recovery = Not calculated						
Zn	213.857†	62.5	-0.0004 mg/L	0.00008	-0.0004 mg/L	0.00008	20.73%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

Sequence No.: 99 Autosampler Location: 89
Sample ID: 1210126-12 Date Collected: 10/6/2012 10:42:59 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1210126-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-11.3	-13.6	-0.0054	mg/L	-0.0054	mg/L	22:44:39
1	Fe 234.349†	217821.2	182290.4	156.3	mg/L	156.3	mg/L	22:44:37
1	K 766.490†	5451.1	4393.1	2.560	mg/L	2.560	mg/L	22:44:39
1	Li 670.784†	3705.6	3276.5	0.1018	mg/L	0.1018	mg/L	22:44:39
1	Na 589.592†	3217.9	2542.3	0.5171	mg/L	0.5171	mg/L	22:44:39
1	Sr 407.771†	29598.6	24638.7	0.0263	mg/L	0.0263	mg/L	22:44:37
1	Y 371.029	2959900.9	2959900.9	1.19	mg/L			22:44:52
1	Ag 328.068†	356.7	-1085.7	0.0013	mg/L	0.0013	mg/L	22:44:54
1	Al 237.313†	1652025.9	1382632.6	178.5	mg/L	178.5	mg/L	22:44:52
1	As 188.979†	64.9	51.4	0.1309	mg/L	0.1309	mg/L	22:45:05
1	B 182.528†	11.1	6.7	0.0184	mg/L	0.0184	mg/L	22:45:05
1	Ba 233.527†	37202.7	31187.6	0.4295	mg/L	0.4295	mg/L	22:44:54
1	Be 313.107†	10224.3	9072.1	0.0053	mg/L	0.0053	mg/L	22:44:54
1	Ca 315.887†	303787.7	254074.3	2.379	mg/L	2.379	mg/L	22:44:52
1	Cd 228.802†	132.2	47.8	0.0014	mg/L	0.0014	mg/L	22:45:05
1	Co 228.616†	1936.6	1685.5	0.0276	mg/L	0.0276	mg/L	22:45:05
1	Cr 267.716†	14259.3	11524.6	0.1237	mg/L	0.1237	mg/L	22:44:54
1	Cu 324.752†	9236.9	6496.7	0.0381	mg/L	0.0381	mg/L	22:44:54
1	Fe 238.204†	18559897.6	15531774.7	131.3	mg/L	131.3	mg/L	22:44:49
1	Mg 279.077†	163393.8	136601.9	12.01	mg/L	12.01	mg/L	22:44:54
1	Mn 257.610†	660599.2	551657.1	0.9726	mg/L	0.9726	mg/L	22:44:52
1	Mo 202.031†	272.9	201.2	-0.0382	mg/L	-0.0382	mg/L	22:44:54
1	Ni 231.604†	3230.9	2722.6	0.0927	mg/L	0.0927	mg/L	22:45:05
1	P 214.914†	4259.7	3222.0	2.313	mg/L	2.313	mg/L	22:45:05
1	Pb 220.353†	2108.5	1706.4	0.0940	mg/L	0.0940	mg/L	22:45:05
1	Sb 206.836†	88.8	37.5	-0.0387	mg/L	-0.0387	mg/L	22:45:05
1	Se 196.026†	-35.9	-30.1	0.0359	mg/L	0.0359	mg/L	22:45:05
1	Sn 189.927†	48.1	37.4	0.4625	mg/L	0.4625	mg/L	22:45:05
1	Ti 337.279†	5168738.0	4325940.1	6.119	mg/L	6.119	mg/L	22:44:52
1	Tl 190.801†	-0.5	-2.5	-0.1041	mg/L	-0.1041	mg/L	22:45:05
1	V 292.402†	49927.5	42465.1	0.2301	mg/L	0.2301	mg/L	22:44:54
1	Zn 213.857†	33367.0	27122.1	0.2899	mg/L	0.2899	mg/L	22:44:54
2	B 249.677†	11.4	5.4	0.0057	mg/L	0.0057	mg/L	22:44:43

2	Fe 234.349†	221952.7	185951.2	159.4	mg/L	159.4	mg/L	22:44:41
2	K 766.490†	5436.0	4385.4	2.556	mg/L	2.556	mg/L	22:44:43
2	Li 670.784†	3743.8	3311.9	0.1029	mg/L	0.1029	mg/L	22:44:43
2	Na 589.592†	3221.5	2548.3	0.5181	mg/L	0.5181	mg/L	22:44:43
2	Sr 407.771†	30098.4	25084.6	0.0268	mg/L	0.0268	mg/L	22:44:41
2	Y 371.029	2956663.3	2956663.3	1.19	mg/L			22:45:12
2	Ag 328.068†	405.5	-1044.5	0.0019	mg/L	0.0019	mg/L	22:45:14
2	Al 237.313†	1637466.9	1371949.3	177.1	mg/L	177.1	mg/L	22:45:12
2	As 188.979†	62.6	49.4	0.1298	mg/L	0.1298	mg/L	22:45:24
2	B 182.528†	13.6	8.8	0.0225	mg/L	0.0225	mg/L	22:45:24
2	Ba 233.527†	36923.1	30987.5	0.4268	mg/L	0.4268	mg/L	22:45:14
2	Be 313.107†	10170.3	9036.2	0.0052	mg/L	0.0052	mg/L	22:45:14
2	Ca 315.887†	300494.3	251593.6	2.356	mg/L	2.356	mg/L	22:45:12
2	Cd 228.802†	128.3	44.6	0.0013	mg/L	0.0013	mg/L	22:45:24
2	Co 228.616†	1912.4	1667.0	0.0272	mg/L	0.0272	mg/L	22:45:24
2	Cr 267.716†	14176.9	11468.6	0.1231	mg/L	0.1231	mg/L	22:45:14
2	Cu 324.752†	9180.1	6457.6	0.0378	mg/L	0.0378	mg/L	22:45:14
2	Fe 238.204†	18443548.4	15451308.5	130.6	mg/L	130.6	mg/L	22:45:08
2	Mg 279.077†	162293.2	135829.6	11.94	mg/L	11.94	mg/L	22:45:14
2	Mn 257.610†	654128.0	546841.1	0.9640	mg/L	0.9640	mg/L	22:45:12
2	Mo 202.031†	256.3	187.6	-0.0399	mg/L	-0.0399	mg/L	22:45:14
2	Ni 231.604†	3219.1	2715.6	0.0925	mg/L	0.0925	mg/L	22:45:24
2	P 214.914†	4242.2	3211.2	2.314	mg/L	2.314	mg/L	22:45:24
2	Pb 220.353†	2075.1	1680.3	0.0921	mg/L	0.0921	mg/L	22:45:24
2	Sb 206.836†	80.3	30.5	-0.0460	mg/L	-0.0460	mg/L	22:45:24
2	Se 196.026†	-39.5	-33.1	0.0343	mg/L	0.0343	mg/L	22:45:24
2	Sn 189.927†	63.2	50.1	0.4746	mg/L	0.4746	mg/L	22:45:24
2	Ti 337.279†	5126008.2	4294878.8	6.075	mg/L	6.075	mg/L	22:45:12
2	Tl 190.801†	1.0	-1.2	-0.1049	mg/L	-0.1049	mg/L	22:45:24
2	V 292.402†	49719.4	42336.5	0.2287	mg/L	0.2287	mg/L	22:45:14
2	Zn 213.857†	33327.0	27119.3	0.2899	mg/L	0.2899	mg/L	22:45:14

Mean Data: 1210126-12

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2958282.1	1.19	mg/L	0.001				0.08%
Ag 328.068†	-1065.1	0.0016	mg/L	0.00042	0.0016	mg/L	0.00042	25.95%
Al 237.313†	1377290.9	177.8	mg/L	0.98	177.8	mg/L	0.98	0.55%
As 188.979†	50.4	0.1303	mg/L	0.00076	0.1303	mg/L	0.00076	0.59%
B 182.528†	7.7	0.0204	mg/L	0.00290	0.0204	mg/L	0.00290	14.18%
B 249.677†	-4.1	0.0001	mg/L	0.00785	0.0001	mg/L	0.00785	>999.9%
Ba 233.527†	31087.6	0.4282	mg/L	0.00196	0.4282	mg/L	0.00196	0.46%
Be 313.107†	9054.2	0.0053	mg/L	0.00002	0.0053	mg/L	0.00002	0.29%
Ca 315.887†	252834.0	2.367	mg/L	0.0165	2.367	mg/L	0.0165	0.70%
Cd 228.802†	46.2	0.0013	mg/L	0.00007	0.0013	mg/L	0.00007	5.47%
Co 228.616†	1676.3	0.0274	mg/L	0.00027	0.0274	mg/L	0.00027	0.98%
Cr 267.716†	11496.6	0.1234	mg/L	0.00044	0.1234	mg/L	0.00044	0.35%
Cu 324.752†	6477.1	0.0380	mg/L	0.00018	0.0380	mg/L	0.00018	0.48%
Fe 234.349†	184120.8	157.8	mg/L	2.22	157.8	mg/L	2.22	1.41%
Fe 238.204†	15491541.6	130.9	mg/L	0.48	130.9	mg/L	0.48	0.37%
K 766.490†	4389.3	2.558	mg/L	0.0029	2.558	mg/L	0.0029	0.11%
Li 670.784†	3294.2	0.1023	mg/L	0.00077	0.1023	mg/L	0.00077	0.76%
Mg 279.077†	136215.7	11.98	mg/L	0.048	11.98	mg/L	0.048	0.40%
Mn 257.610†	549249.1	0.9683	mg/L	0.00602	0.9683	mg/L	0.00602	0.62%
Mo 202.031†	194.4	-0.0390	mg/L	0.00120	-0.0390	mg/L	0.00120	3.09%
Na 589.592†	2545.3	0.5176	mg/L	0.00069	0.5176	mg/L	0.00069	0.13%
Ni 231.604†	2719.1	0.0926	mg/L	0.00017	0.0926	mg/L	0.00017	0.19%
P 214.914†	3216.6	2.313	mg/L	0.0007	2.313	mg/L	0.0007	0.03%
Pb 220.353†	1693.3	0.0930	mg/L	0.00132	0.0930	mg/L	0.00132	1.42%
Sb 206.836†	34.0	-0.0424	mg/L	0.00517	-0.0424	mg/L	0.00517	12.20%
Se 196.026†	-31.6	0.0351	mg/L	0.00111	0.0351	mg/L	0.00111	3.16%
Sn 189.927†	43.7	0.4686	mg/L	0.00852	0.4686	mg/L	0.00852	1.82%
Sr 407.771†	24861.7	0.0265	mg/L	0.00033	0.0265	mg/L	0.00033	1.25%
Ti 337.279†	4310409.5	6.097	mg/L	0.0311	6.097	mg/L	0.0311	0.51%
Tl 190.801†	-1.8	-0.1045	mg/L	0.00057	-0.1045	mg/L	0.00057	0.55%
V 292.402†	42400.8	0.2294	mg/L	0.00097	0.2294	mg/L	0.00097	0.42%
Zn 213.857†	27120.7	0.2899	mg/L	0.00002	0.2899	mg/L	0.00002	0.01%

Sequence No.: 100
Sample ID: 1210126-13
Analyst:

Autosampler Location: 90
Date Collected: 10/6/2012 10:47:00 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-13

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	-0.7	-4.8	-0.0002	mg/L	-0.0002	mg/L	22:48:42
1	Fe 234.349†	169143.3	141455.7	121.3	mg/L	121.3	mg/L	22:48:40
1	K 766.490†	4311.8	3437.2	2.046	mg/L	2.046	mg/L	22:48:42
1	Li 670.784†	2726.7	2455.8	0.0764	mg/L	0.0764	mg/L	22:48:42
1	Na 589.592†	2500.7	1940.7	0.4187	mg/L	0.4187	mg/L	22:48:42
1	Sr 407.771†	24466.9	20330.0	0.0218	mg/L	0.0218	mg/L	22:48:42
1	Y 371.029	2961959.2	2961959.2	1.20	mg/L			22:48:54
1	Ag 328.068†	614.8	-870.1	0.0004	mg/L	0.0004	mg/L	22:48:56
1	Al 237.313†	1280364.2	1070861.3	138.2	mg/L	138.2	mg/L	22:48:54
1	As 188.979†	36.2	27.3	0.0863	mg/L	0.0863	mg/L	22:49:07
1	B 182.528†	9.6	5.4	0.0158	mg/L	0.0158	mg/L	22:49:07
1	Ba 233.527†	26265.8	22019.8	0.3027	mg/L	0.3027	mg/L	22:48:56
1	Be 313.107†	8036.2	7236.3	0.0042	mg/L	0.0042	mg/L	22:48:56
1	Ca 315.887†	266306.2	222552.9	2.082	mg/L	2.082	mg/L	22:48:54
1	Cd 228.802†	122.8	39.9	0.0012	mg/L	0.0012	mg/L	22:49:07
1	Co 228.616†	1234.9	1097.6	0.0158	mg/L	0.0158	mg/L	22:49:07
1	Cr 267.716†	10162.9	8090.6	0.0859	mg/L	0.0859	mg/L	22:48:56
1	Cu 324.752†	6373.1	4096.5	0.0234	mg/L	0.0234	mg/L	22:48:56
1	Fe 238.204†	15019454.7	12560205.2	106.1	mg/L	106.1	mg/L	22:48:51
1	Mg 279.077†	98536.7	82268.7	7.220	mg/L	7.220	mg/L	22:48:54
1	Mn 257.610†	434941.8	362561.8	0.6382	mg/L	0.6382	mg/L	22:48:54
1	Mo 202.031†	217.6	154.9	-0.0297	mg/L	-0.0297	mg/L	22:48:56
1	Ni 231.604†	2649.6	2234.6	0.0754	mg/L	0.0754	mg/L	22:48:56
1	P 214.914†	3691.8	2744.6	1.946	mg/L	1.946	mg/L	22:49:07
1	Pb 220.353†	1642.5	1315.4	0.0714	mg/L	0.0714	mg/L	22:49:07
1	Sb 206.836†	71.7	23.1	-0.0353	mg/L	-0.0353	mg/L	22:49:07
1	Se 196.026†	-27.6	-23.1	0.0277	mg/L	0.0277	mg/L	22:49:07
1	Sn 189.927†	46.2	35.8	0.3599	mg/L	0.3599	mg/L	22:49:07
1	Ti 337.279†	3882902.4	3247624.9	4.593	mg/L	4.593	mg/L	22:48:54
1	Tl 190.801†	-3.8	-5.2	-0.0839	mg/L	-0.0839	mg/L	22:49:07
1	V 292.402†	38032.8	32488.9	0.1752	mg/L	0.1752	mg/L	22:48:56
1	Zn 213.857†	27198.1	21943.9	0.2344	mg/L	0.2344	mg/L	22:48:56
2	B 249.677†	-1.6	-5.5	-0.0006	mg/L	-0.0006	mg/L	22:48:47
2	Fe 234.349†	169925.5	141112.7	121.0	mg/L	121.0	mg/L	22:48:45
2	K 766.490†	4309.3	3409.7	2.031	mg/L	2.031	mg/L	22:48:47
2	Li 670.784†	2676.7	2398.2	0.0747	mg/L	0.0747	mg/L	22:48:47
2	Na 589.592†	2519.6	1941.7	0.4189	mg/L	0.4189	mg/L	22:48:47
2	Sr 407.771†	24322.2	20066.3	0.0215	mg/L	0.0215	mg/L	22:48:47
2	Y 371.029	2982890.0	2982890.0	1.20	mg/L			22:49:12
2	Ag 328.068†	641.4	-851.6	0.0006	mg/L	0.0006	mg/L	22:49:14
2	Al 237.313†	1284202.9	1066535.7	137.7	mg/L	137.7	mg/L	22:49:12
2	As 188.979†	48.6	37.4	0.0987	mg/L	0.0987	mg/L	22:49:24
2	B 182.528†	6.3	2.6	0.0104	mg/L	0.0104	mg/L	22:49:24
2	Ba 233.527†	26121.6	21745.9	0.2989	mg/L	0.2989	mg/L	22:49:14
2	Be 313.107†	8000.5	7159.5	0.0041	mg/L	0.0041	mg/L	22:49:14
2	Ca 315.887†	265960.3	220702.9	2.064	mg/L	2.064	mg/L	22:49:12
2	Cd 228.802†	122.7	39.1	0.0011	mg/L	0.0011	mg/L	22:49:24
2	Co 228.616†	1251.5	1104.1	0.0160	mg/L	0.0160	mg/L	22:49:24
2	Cr 267.716†	10123.1	7997.9	0.0849	mg/L	0.0849	mg/L	22:49:14
2	Cu 324.752†	6495.8	4160.9	0.0237	mg/L	0.0237	mg/L	22:49:14
2	Fe 238.204†	14992651.6	12449812.1	105.2	mg/L	105.2	mg/L	22:49:09
2	Mg 279.077†	98487.8	81649.9	7.165	mg/L	7.165	mg/L	22:49:12
2	Mn 257.610†	436220.8	361071.6	0.6356	mg/L	0.6356	mg/L	22:49:12
2	Mo 202.031†	243.0	174.7	-0.0286	mg/L	-0.0286	mg/L	22:49:14
2	Ni 231.604†	2616.2	2191.3	0.0739	mg/L	0.0739	mg/L	22:49:14
2	P 214.914†	3695.1	2725.7	1.934	mg/L	1.934	mg/L	22:49:24
2	Pb 220.353†	1670.8	1329.3	0.0727	mg/L	0.0727	mg/L	22:49:24
2	Sb 206.836†	75.4	25.8	-0.0329	mg/L	-0.0329	mg/L	22:49:24
2	Se 196.026†	-25.0	-20.8	0.0299	mg/L	0.0299	mg/L	22:49:24
2	Sn 189.927†	53.0	41.2	0.3602	mg/L	0.3602	mg/L	22:49:24
2	Ti 337.279†	3894423.8	3234407.1	4.575	mg/L	4.575	mg/L	22:49:12
2	Tl 190.801†	-2.0	-3.7	-0.0826	mg/L	-0.0826	mg/L	22:49:24
2	V 292.402†	37782.7	32058.0	0.1726	mg/L	0.1726	mg/L	22:49:14
2	Zn 213.857†	27054.1	21664.7	0.2314	mg/L	0.2314	mg/L	22:49:14

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2972424.6	1.20	mg/L	0.006				0.50%
Ag 328.068†	-860.8	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	18.44%
Al 237.313†	1068698.5	138.0	mg/L	0.39	138.0	mg/L	0.39	0.29%
As 188.979†	32.3	0.0925	mg/L	0.00880	0.0925	mg/L	0.00880	9.51%
B 182.528†	4.0	0.0131	mg/L	0.00386	0.0131	mg/L	0.00386	29.46%
B 249.677†	-5.1	-0.0004	mg/L	0.00031	-0.0004	mg/L	0.00031	74.53%
Ba 233.527†	21882.8	0.3008	mg/L	0.00268	0.3008	mg/L	0.00268	0.89%
Be 313.107†	7197.9	0.0041	mg/L	0.00003	0.0041	mg/L	0.00003	0.78%
Ca 315.887†	221627.9	2.073	mg/L	0.0123	2.073	mg/L	0.0123	0.60%
Cd 228.802†	39.5	0.0012	mg/L	0.00006	0.0012	mg/L	0.00006	5.11%
Co 228.616†	1100.9	0.0159	mg/L	0.00014	0.0159	mg/L	0.00014	0.89%
Cr 267.716†	8044.2	0.0854	mg/L	0.00072	0.0854	mg/L	0.00072	0.84%
Cu 324.752†	4128.7	0.0235	mg/L	0.00025	0.0235	mg/L	0.00025	1.05%
Fe 234.349†	141284.2	121.1	mg/L	0.21	121.1	mg/L	0.21	0.17%
Fe 238.204†	12505008.7	105.7	mg/L	0.66	105.7	mg/L	0.66	0.62%
K 766.490†	3423.4	2.039	mg/L	0.0104	2.039	mg/L	0.0104	0.51%
Li 670.784†	2427.0	0.0756	mg/L	0.00126	0.0756	mg/L	0.00126	1.66%
Mg 279.077†	81959.3	7.193	mg/L	0.0386	7.193	mg/L	0.0386	0.54%
Mn 257.610†	361816.7	0.6369	mg/L	0.00186	0.6369	mg/L	0.00186	0.29%
Mo 202.031†	164.8	-0.0292	mg/L	0.00081	-0.0292	mg/L	0.00081	2.78%
Na 589.592†	1941.2	0.4188	mg/L	0.00012	0.4188	mg/L	0.00012	0.03%
Ni 231.604†	2212.9	0.0747	mg/L	0.00108	0.0747	mg/L	0.00108	1.45%
P 214.914†	2735.2	1.940	mg/L	0.0085	1.940	mg/L	0.0085	0.44%
Pb 220.353†	1322.4	0.0720	mg/L	0.00096	0.0720	mg/L	0.00096	1.33%
Sb 206.836†	24.5	-0.0341	mg/L	0.00170	-0.0341	mg/L	0.00170	4.97%
Se 196.026†	-22.0	0.0288	mg/L	0.00153	0.0288	mg/L	0.00153	5.32%
Sn 189.927†	38.5	0.3601	mg/L	0.00026	0.3601	mg/L	0.00026	0.07%
Sr 407.771†	20198.2	0.0216	mg/L	0.00020	0.0216	mg/L	0.00020	0.90%
Ti 337.279†	3241016.0	4.584	mg/L	0.0132	4.584	mg/L	0.0132	0.29%
Tl 190.801†	-4.4	-0.0832	mg/L	0.00089	-0.0832	mg/L	0.00089	1.07%
V 292.402†	32273.5	0.1739	mg/L	0.00186	0.1739	mg/L	0.00186	1.07%
Zn 213.857†	21804.3	0.2329	mg/L	0.00212	0.2329	mg/L	0.00212	0.91%

Sequence No.: 101

Sample ID: 1210126-14

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 91

Date Collected: 10/6/2012 10:51:01 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-14

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	11.0	5.0	0.0055	mg/L	0.0055	mg/L	22:52:42
1	Fe 234.349†	179623.1	149685.2	128.3	mg/L	128.3	mg/L	22:52:40
1	K 766.490†	4135.6	3277.5	1.960	mg/L	1.960	mg/L	22:52:42
1	Li 670.784†	2901.3	2593.1	0.0807	mg/L	0.0807	mg/L	22:52:42
1	Na 589.592†	2360.9	1816.7	0.3985	mg/L	0.3985	mg/L	22:52:42
1	Sr 407.771†	27880.3	23101.6	0.0247	mg/L	0.0247	mg/L	22:52:40
1	Y 371.029	2972536.6	2972536.6	1.20	mg/L			22:52:54
1	Ag 328.068†	1833.2	143.4	0.0096	mg/L	0.0096	mg/L	22:52:56
1	Al 237.313†	1315851.3	1096622.5	141.6	mg/L	141.6	mg/L	22:52:54
1	As 188.979†	46.0	35.3	0.0992	mg/L	0.0992	mg/L	22:53:06
1	B 182.528†	11.1	6.6	0.0183	mg/L	0.0183	mg/L	22:53:06
1	Ba 233.527†	19601.9	16388.6	0.2248	mg/L	0.2248	mg/L	22:52:56
1	Be 313.107†	8226.7	7371.1	0.0042	mg/L	0.0042	mg/L	22:52:56
1	Ca 315.887†	314506.1	261925.3	2.453	mg/L	2.453	mg/L	22:52:54
1	Cd 228.802†	116.0	33.8	0.0010	mg/L	0.0010	mg/L	22:53:06
1	Co 228.616†	1170.6	1040.3	0.0148	mg/L	0.0148	mg/L	22:53:06
1	Cr 267.716†	10598.9	8423.7	0.0896	mg/L	0.0896	mg/L	22:52:56
1	Cu 324.752†	24975.2	19578.5	0.1104	mg/L	0.1104	mg/L	22:52:56
1	Fe 238.204†	15909423.0	13257118.4	112.0	mg/L	112.0	mg/L	22:52:51
1	Mg 279.077†	112544.2	93647.8	8.224	mg/L	8.224	mg/L	22:52:54
1	Mn 257.610†	571649.0	475185.2	0.8373	mg/L	0.8373	mg/L	22:52:54
1	Mo 202.031†	247.6	179.2	-0.0307	mg/L	-0.0307	mg/L	22:52:56
1	Ni 231.604†	2084.5	1755.8	0.0585	mg/L	0.0585	mg/L	22:52:56
1	P 214.914†	4609.6	3498.4	2.410	mg/L	2.410	mg/L	22:53:06
1	Pb 220.353†	2352.8	1902.5	0.1211	mg/L	0.1211	mg/L	22:53:06
1	Sb 206.836†	78.6	28.7	-0.0338	mg/L	-0.0338	mg/L	22:53:06

1	Se 196.026†	-32.8	-27.4	0.0266 mg/L	0.0266 mg/L	22:53:06
1	Sn 189.927†	38.1	28.9	0.3789 mg/L	0.3789 mg/L	22:53:06
1	Ti 337.279†	3732512.9	3110751.1	4.400 mg/L	4.400 mg/L	22:52:54
1	Tl 190.801†	3.4	0.8	-0.0834 mg/L	-0.0834 mg/L	22:53:06
1	V 292.402†	40661.8	34566.4	0.1871 mg/L	0.1871 mg/L	22:52:56
1	Zn 213.857†	25731.0	20640.4	0.2203 mg/L	0.2203 mg/L	22:52:56
2	B 249.677†	-18.9	-19.9	-0.0090 mg/L	-0.0090 mg/L	22:52:46
2	Fe 234.349†	176834.2	147413.9	126.4 mg/L	126.4 mg/L	22:52:44
2	K 766.490†	4044.3	3202.6	1.920 mg/L	1.920 mg/L	22:52:46
2	Li 670.784†	2795.6	2505.8	0.0780 mg/L	0.0780 mg/L	22:52:46
2	Na 589.592†	2264.9	1737.4	0.3855 mg/L	0.3855 mg/L	22:52:46
2	Sr 407.771†	27417.0	22723.7	0.0243 mg/L	0.0243 mg/L	22:52:44
2	Y 371.029	2971473.0	2971473.0	1.20 mg/L		22:53:12
2	Ag 328.068†	1811.5	125.8	0.0093 mg/L	0.0093 mg/L	22:53:14
2	Al 237.313†	1298252.8	1082345.0	139.7 mg/L	139.7 mg/L	22:53:12
2	As 188.979†	40.9	31.1	0.0931 mg/L	0.0931 mg/L	22:53:24
2	B 182.528†	15.4	10.2	0.0253 mg/L	0.0253 mg/L	22:53:24
2	Ba 233.527†	19604.8	16396.9	0.2249 mg/L	0.2249 mg/L	22:53:14
2	Be 313.107†	8326.5	7456.8	0.0043 mg/L	0.0043 mg/L	22:53:14
2	Ca 315.887†	309795.1	258092.0	2.417 mg/L	2.417 mg/L	22:53:12
2	Cd 228.802†	123.5	40.2	0.0012 mg/L	0.0012 mg/L	22:53:24
2	Co 228.616†	1181.0	1049.4	0.0151 mg/L	0.0151 mg/L	22:53:24
2	Cr 267.716†	10607.1	8433.7	0.0897 mg/L	0.0897 mg/L	22:53:14
2	Cu 324.752†	25004.1	19610.1	0.1105 mg/L	0.1105 mg/L	22:53:14
2	Fe 238.204†	15844339.9	13207610.8	111.6 mg/L	111.6 mg/L	22:53:09
2	Mg 279.077†	110885.9	92299.1	8.105 mg/L	8.105 mg/L	22:53:12
2	Mn 257.610†	564418.2	469328.1	0.8270 mg/L	0.8270 mg/L	22:53:12
2	Mo 202.031†	257.1	187.2	-0.0297 mg/L	-0.0297 mg/L	22:53:14
2	Ni 231.604†	2082.4	1754.7	0.0584 mg/L	0.0584 mg/L	22:53:14
2	P 214.914†	4630.0	3516.9	2.416 mg/L	2.416 mg/L	22:53:24
2	Pb 220.353†	2331.5	1885.4	0.1201 mg/L	0.1201 mg/L	22:53:24
2	Sb 206.836†	76.0	26.6	-0.0347 mg/L	-0.0347 mg/L	22:53:24
2	Se 196.026†	-35.4	-29.6	0.0237 mg/L	0.0237 mg/L	22:53:24
2	Sn 189.927†	35.2	26.5	0.3727 mg/L	0.3727 mg/L	22:53:24
2	Ti 337.279†	3684940.7	3072208.5	4.345 mg/L	4.345 mg/L	22:53:12
2	Tl 190.801†	-1.0	-2.8	-0.0848 mg/L	-0.0848 mg/L	22:53:24
2	V 292.402†	40814.4	34705.7	0.1884 mg/L	0.1884 mg/L	22:53:14
2	Zn 213.857†	25801.0	20706.4	0.2210 mg/L	0.2210 mg/L	22:53:14

Mean Data: 1210126-14

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2972004.8	1.20	mg/L	0.000				0.03%
Ag 328.068†	134.6	0.0095	mg/L	0.00021	0.0095	mg/L	0.00021	2.23%
Al 237.313†	1089483.7	140.6	mg/L	1.30	140.6	mg/L	1.30	0.93%
As 188.979†	33.2	0.0962	mg/L	0.00433	0.0962	mg/L	0.00433	4.50%
B 182.528†	8.4	0.0218	mg/L	0.00496	0.0218	mg/L	0.00496	22.81%
B 249.677†	-7.4	-0.0018	mg/L	0.01027	-0.0018	mg/L	0.01027	584.50%
Ba 233.527†	16392.7	0.2248	mg/L	0.00008	0.2248	mg/L	0.00008	0.04%
Be 313.107†	7413.9	0.0043	mg/L	0.00004	0.0043	mg/L	0.00004	0.85%
Ca 315.887†	260008.6	2.435	mg/L	0.0255	2.435	mg/L	0.0255	1.05%
Cd 228.802†	37.0	0.0011	mg/L	0.00017	0.0011	mg/L	0.00017	16.24%
Co 228.616†	1044.8	0.0149	mg/L	0.00024	0.0149	mg/L	0.00024	1.59%
Cr 267.716†	8428.7	0.0896	mg/L	0.00008	0.0896	mg/L	0.00008	0.09%
Cu 324.752†	19594.3	0.1105	mg/L	0.00010	0.1105	mg/L	0.00010	0.09%
Fe 234.349†	148549.5	127.4	mg/L	1.38	127.4	mg/L	1.38	1.08%
Fe 238.204†	13232364.6	111.8	mg/L	0.30	111.8	mg/L	0.30	0.26%
K 766.490†	3240.0	1.940	mg/L	0.0285	1.940	mg/L	0.0285	1.47%
Li 670.784†	2549.5	0.0793	mg/L	0.00191	0.0793	mg/L	0.00191	2.40%
Mg 279.077†	92973.4	8.165	mg/L	0.0841	8.165	mg/L	0.0841	1.03%
Mn 257.610†	472256.7	0.8322	mg/L	0.00732	0.8322	mg/L	0.00732	0.88%
Mo 202.031†	183.2	-0.0302	mg/L	0.00073	-0.0302	mg/L	0.00073	2.42%
Na 589.592†	1777.1	0.3920	mg/L	0.00917	0.3920	mg/L	0.00917	2.34%
Ni 231.604†	1755.2	0.0584	mg/L	0.00003	0.0584	mg/L	0.00003	0.05%
P 214.914†	3507.6	2.413	mg/L	0.0045	2.413	mg/L	0.0045	0.19%
Pb 220.353†	1893.9	0.1206	mg/L	0.00069	0.1206	mg/L	0.00069	0.57%
Sb 206.836†	27.6	-0.0342	mg/L	0.00062	-0.0342	mg/L	0.00062	1.81%
Se 196.026†	-28.5	0.0251	mg/L	0.00206	0.0251	mg/L	0.00206	8.20%
Sn 189.927†	27.7	0.3758	mg/L	0.00440	0.3758	mg/L	0.00440	1.17%
Sr 407.771†	22912.7	0.0245	mg/L	0.00028	0.0245	mg/L	0.00028	1.14%
Ti 337.279†	3091479.8	4.373	mg/L	0.0386	4.373	mg/L	0.0386	0.88%
Tl 190.801†	-1.0	-0.0841	mg/L	0.00099	-0.0841	mg/L	0.00099	1.18%

V 292.402†	34636.1	0.1878 mg/L	0.00091	0.1878 mg/L	0.00091	0.49%
Zn 213.857†	20673.4	0.2207 mg/L	0.00050	0.2207 mg/L	0.00050	0.23%

Sequence No.: 102	Autosampler Location: 92
Sample ID: 1210126-15	Date Collected: 10/6/2012 10:55:01 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210126-15

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	0.7	-3.6	0.0005 mg/L	0.0005 mg/L	22:56:52
1	Fe 234.349†	153261.3	125969.8	108.0 mg/L	108.0 mg/L	22:56:42
1	K 766.490†	5389.0	4260.5	2.489 mg/L	2.489 mg/L	22:56:52
1	Li 670.784†	2582.7	2298.1	0.0716 mg/L	0.0716 mg/L	22:56:52
1	Na 589.592†	3042.7	2350.2	0.4857 mg/L	0.4857 mg/L	22:56:52
1	Sr 407.771†	33178.8	27138.4	0.0289 mg/L	0.0289 mg/L	22:56:42
1	Y 371.029	3013790.2	3013790.2	1.22 mg/L		22:57:12
1	Ag 328.068†	6444.4	3912.4	0.0401 mg/L	0.0401 mg/L	22:57:15
1	Al 237.313†	996510.9	819150.5	105.7 mg/L	105.7 mg/L	22:57:12
1	As 188.979†	62.7	48.6	0.1070 mg/L	0.1070 mg/L	22:57:25
1	B 182.528†	9.3	5.0	0.0151 mg/L	0.0151 mg/L	22:57:25
1	Ba 233.527†	18688.4	15414.3	0.2112 mg/L	0.2112 mg/L	22:57:15
1	Be 313.107†	7518.3	6695.0	0.0038 mg/L	0.0038 mg/L	22:57:15
1	Ca 315.887†	426242.0	350172.5	3.285 mg/L	3.285 mg/L	22:57:12
1	Cd 228.802†	142.2	54.1	0.0016 mg/L	0.0016 mg/L	22:57:25
1	Co 228.616†	1285.1	1121.1	0.0172 mg/L	0.0172 mg/L	22:57:25
1	Cr 267.716†	10171.2	7951.3	0.0844 mg/L	0.0844 mg/L	22:57:15
1	Cu 324.752†	142838.9	116164.8	0.6541 mg/L	0.6541 mg/L	22:57:12
1	Fe 238.204†	13889348.0	11415368.6	96.47 mg/L	96.47 mg/L	22:57:09
1	Mg 279.077†	125970.0	103398.6	9.084 mg/L	9.084 mg/L	22:57:12
1	Mn 257.610†	452379.3	370638.1	0.6525 mg/L	0.6525 mg/L	22:57:12
1	Mo 202.031†	227.5	159.9	-0.0258 mg/L	-0.0258 mg/L	22:57:15
1	Ni 231.604†	2841.9	2354.6	0.0797 mg/L	0.0797 mg/L	22:57:15
1	P 214.914†	5590.3	4251.9	2.800 mg/L	2.800 mg/L	22:57:25
1	Pb 220.353†	8253.8	6725.6	0.5466 mg/L	0.5466 mg/L	22:57:15
1	Sb 206.836†	69.1	20.0	-0.0320 mg/L	-0.0320 mg/L	22:57:25
1	Se 196.026†	-31.0	-25.6	0.0197 mg/L	0.0197 mg/L	22:57:25
1	Sn 189.927†	301.1	244.6	0.3683 mg/L	0.3683 mg/L	22:57:25
1	Ti 337.279†	3586195.7	2947919.9	4.169 mg/L	4.169 mg/L	22:57:12
1	Tl 190.801†	3.9	1.2	-0.0715 mg/L	-0.0715 mg/L	22:57:25
1	V 292.402†	59999.3	49995.9	0.2878 mg/L	0.2878 mg/L	22:57:15
1	Zn 213.857†	37521.3	30037.3	0.3202 mg/L	0.3202 mg/L	22:57:15
2	B 249.677†	-8.5	-11.2	-0.0039 mg/L	-0.0039 mg/L	22:57:05
2	Fe 234.349†	151354.5	124426.1	106.7 mg/L	106.7 mg/L	22:56:55
2	K 766.490†	5348.5	4228.0	2.471 mg/L	2.471 mg/L	22:57:05
2	Li 670.784†	2543.9	2266.7	0.0706 mg/L	0.0706 mg/L	22:57:05
2	Na 589.592†	3065.4	2369.3	0.4888 mg/L	0.4888 mg/L	22:57:05
2	Sr 407.771†	32757.3	26797.1	0.0286 mg/L	0.0286 mg/L	22:56:55
2	Y 371.029	3013220.0	3013220.0	1.22 mg/L		22:57:30
2	Ag 328.068†	6465.8	3931.0	0.0402 mg/L	0.0402 mg/L	22:57:33
2	Al 237.313†	995512.9	818485.1	105.7 mg/L	105.7 mg/L	22:57:30
2	As 188.979†	67.7	52.7	0.1117 mg/L	0.1117 mg/L	22:57:43
2	B 182.528†	8.3	4.2	0.0135 mg/L	0.0135 mg/L	22:57:43
2	Ba 233.527†	18471.0	15238.4	0.2088 mg/L	0.2088 mg/L	22:57:33
2	Be 313.107†	7367.2	6572.0	0.0038 mg/L	0.0038 mg/L	22:57:33
2	Ca 315.887†	427043.1	350897.4	3.291 mg/L	3.291 mg/L	22:57:30
2	Cd 228.802†	140.7	52.9	0.0015 mg/L	0.0015 mg/L	22:57:43
2	Co 228.616†	1312.3	1143.7	0.0178 mg/L	0.0178 mg/L	22:57:43
2	Cr 267.716†	9993.1	7806.5	0.0828 mg/L	0.0828 mg/L	22:57:33
2	Cu 324.752†	142749.7	116113.6	0.6538 mg/L	0.6538 mg/L	22:57:30
2	Fe 238.204†	13918073.3	11441142.1	96.69 mg/L	96.69 mg/L	22:57:28
2	Mg 279.077†	126246.5	103645.5	9.105 mg/L	9.105 mg/L	22:57:30
2	Mn 257.610†	452711.4	370981.5	0.6531 mg/L	0.6531 mg/L	22:57:30
2	Mo 202.031†	246.1	175.2	-0.0245 mg/L	-0.0245 mg/L	22:57:33
2	Ni 231.604†	2810.8	2329.4	0.0788 mg/L	0.0788 mg/L	22:57:33
2	P 214.914†	5637.8	4291.9	2.821 mg/L	2.821 mg/L	22:57:43
2	Pb 220.353†	8191.3	6675.5	0.5423 mg/L	0.5423 mg/L	22:57:33
2	Sb 206.836†	68.2	19.2	-0.0320 mg/L	-0.0320 mg/L	22:57:43
2	Se 196.026†	-17.4	-14.3	0.0300 mg/L	0.0300 mg/L	22:57:43

2	Sn 189.927†	324.6	264.0	0.3688 mg/L	0.3688 mg/L	22:57:43
2	Ti 337.279†	3581937.6	2944977.2	4.165 mg/L	4.165 mg/L	22:57:30
2	Tl 190.801†	-1.4	-3.2	-0.0738 mg/L	-0.0738 mg/L	22:57:43
2	V 292.402†	59257.5	49395.5	0.2843 mg/L	0.2843 mg/L	22:57:33
2	Zn 213.857†	37041.8	29649.0	0.3160 mg/L	0.3160 mg/L	22:57:33

Mean Data: 1210126-15

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3013505.1	1.22 mg/L	0.000			0.01%
Ag 328.068†	3921.7	0.0402 mg/L	0.00004	0.0402 mg/L	0.00004	0.10%
Al 237.313†	818817.8	105.7 mg/L	0.06	105.7 mg/L	0.06	0.06%
As 188.979†	50.6	0.1093 mg/L	0.00327	0.1093 mg/L	0.00327	2.99%
B 182.528†	4.6	0.0143 mg/L	0.00109	0.0143 mg/L	0.00109	7.66%
B 249.677†	-7.4	-0.0017 mg/L	0.00310	-0.0017 mg/L	0.00310	179.13%
Ba 233.527†	15326.4	0.2100 mg/L	0.00172	0.2100 mg/L	0.00172	0.82%
Be 313.107†	6633.5	0.0038 mg/L	0.00005	0.0038 mg/L	0.00005	1.37%
Ca 315.887†	350534.9	3.288 mg/L	0.0048	3.288 mg/L	0.0048	0.15%
Cd 228.802†	53.5	0.0016 mg/L	0.00005	0.0016 mg/L	0.00005	2.95%
Co 228.616†	1132.4	0.0175 mg/L	0.00041	0.0175 mg/L	0.00041	2.32%
Cr 267.716†	7878.9	0.0836 mg/L	0.00113	0.0836 mg/L	0.00113	1.35%
Cu 324.752†	116139.2	0.6539 mg/L	0.00021	0.6539 mg/L	0.00021	0.03%
Fe 234.349†	125198.0	107.3 mg/L	0.94	107.3 mg/L	0.94	0.87%
Fe 238.204†	11428255.4	96.58 mg/L	0.154	96.58 mg/L	0.154	0.16%
K 766.490†	4244.2	2.480 mg/L	0.0124	2.480 mg/L	0.0124	0.50%
Li 670.784†	2282.4	0.0711 mg/L	0.00069	0.0711 mg/L	0.00069	0.97%
Mg 279.077†	103522.1	9.095 mg/L	0.0154	9.095 mg/L	0.0154	0.17%
Mn 257.610†	370809.8	0.6528 mg/L	0.00043	0.6528 mg/L	0.00043	0.07%
Mo 202.031†	167.6	-0.0252 mg/L	0.00087	-0.0252 mg/L	0.00087	3.46%
Na 589.592†	2359.8	0.4873 mg/L	0.00221	0.4873 mg/L	0.00221	0.45%
Ni 231.604†	2342.0	0.0792 mg/L	0.00063	0.0792 mg/L	0.00063	0.79%
P 214.914†	4271.9	2.810 mg/L	0.0146	2.810 mg/L	0.0146	0.52%
Pb 220.353†	6700.5	0.5445 mg/L	0.00303	0.5445 mg/L	0.00303	0.56%
Sb 206.836†	19.6	-0.0320 mg/L	0.00005	-0.0320 mg/L	0.00005	0.16%
Se 196.026†	-20.0	0.0249 mg/L	0.00731	0.0249 mg/L	0.00731	29.39%
Sn 189.927†	254.3	0.3685 mg/L	0.00036	0.3685 mg/L	0.00036	0.10%
Sr 407.771†	26967.7	0.0287 mg/L	0.00025	0.0287 mg/L	0.00025	0.88%
Ti 337.279†	2946448.6	4.167 mg/L	0.0029	4.167 mg/L	0.0029	0.07%
Tl 190.801†	-1.0	-0.0726 mg/L	0.00162	-0.0726 mg/L	0.00162	2.23%
V 292.402†	49695.7	0.2860 mg/L	0.00248	0.2860 mg/L	0.00248	0.87%
Zn 213.857†	29843.1	0.3181 mg/L	0.00295	0.3181 mg/L	0.00295	0.93%

Sequence No.: 103
Sample ID: 1210136-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 93
Date Collected: 10/6/2012 10:59:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210136-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	114.0	89.4	0.0544 mg/L	0.0544 mg/L	23:01:02
1	Fe 234.349†	581494.3	477654.7	409.4 mg/L	409.4 mg/L	23:01:00
1	K 766.490†	50476.9	41293.8	22.41 mg/L	22.41 mg/L	23:01:02
1	Li 670.784†	10103.4	8474.6	0.2624 mg/L	0.2624 mg/L	23:01:02
1	Na 589.592†	49854.6	40800.8	6.775 mg/L	6.775 mg/L	23:01:02
1	Sr 407.771†	324485.4	266406.7	0.2799 mg/L	0.2799 mg/L	23:01:00
1	Y 371.029	3015530.1	3015530.1	1.22 mg/L		23:01:18
1	Ag 328.068†	-1671.4	-2757.2	0.0066 mg/L	0.0066 mg/L	23:01:21
1	Al 237.313†	1190977.6	978416.1	126.3 mg/L	126.3 mg/L	23:01:18
1	As 188.979†	101.0	80.0	0.2725 mg/L	0.2725 mg/L	23:01:31
1	B 182.528†	52.9	40.8	0.0850 mg/L	0.0850 mg/L	23:01:31
1	Ba 233.527†	89322.4	73425.3	1.014 mg/L	1.014 mg/L	23:01:21
1	Be 313.107†	11436.4	9909.9	0.0058 mg/L	0.0058 mg/L	23:01:21
1	Ca 315.887†	8429716.3	6924155.8	65.21 mg/L	65.21 mg/L	23:01:15
1	Cd 228.802†	1003.2	761.2	0.0265 mg/L	0.0265 mg/L	23:01:31
1	Co 228.616†	6903.8	5735.8	0.1283 mg/L	0.1283 mg/L	23:01:31
1	Cr 267.716†	42804.9	34752.3	0.3796 mg/L	0.3796 mg/L	23:01:21
1	Cu 324.752†	258853.8	211393.6	1.192 mg/L	1.192 mg/L	23:01:21
1	Fe 238.204†	38956330.1	31999213.5	270.4 mg/L	270.4 mg/L	23:01:15

1	Mg	279.077†	873625.0	717475.0	63.26	mg/L	63.26	mg/L	23:01:18
1	Mn	257.610†	3230875.2	2652725.8	4.687	mg/L	4.687	mg/L	23:01:18
1	Mo	202.031†	1280.6	1024.8	-0.0738	mg/L	-0.0738	mg/L	23:01:21
1	Ni	231.604†	10391.3	8554.4	0.2994	mg/L	0.2994	mg/L	23:01:31
1	P	214.914†	19052.6	15307.4	10.08	mg/L	10.08	mg/L	23:01:31
1	Pb	220.353†	24348.5	19942.1	1.678	mg/L	1.678	mg/L	23:01:31
1	Sb	206.836†	127.7	68.1	-0.1251	mg/L	-0.1251	mg/L	23:01:31
1	Se	196.026†	-139.1	-114.3	0.0621	mg/L	0.0621	mg/L	23:01:31
1	Sn	189.927†	109.3	87.0	1.214	mg/L	1.214	mg/L	23:01:31
1	Ti	337.279†	5717310.1	4696751.6	6.644	mg/L	6.644	mg/L	23:01:18
1	Tl	190.801†	13.6	9.1	-0.2413	mg/L	-0.2413	mg/L	23:01:31
1	V	292.402†	98163.1	81315.8	0.4271	mg/L	0.4271	mg/L	23:01:21
1	Zn	213.857†	357163.9	292579.1	3.141	mg/L	3.141	mg/L	23:01:21
2	B	249.677†	122.8	96.7	0.0586	mg/L	0.0586	mg/L	23:01:06
2	Fe	234.349†	586667.4	481898.1	413.0	mg/L	413.0	mg/L	23:01:04
2	K	766.490†	50500.1	41312.4	22.42	mg/L	22.42	mg/L	23:01:06
2	Li	670.784†	10094.0	8466.7	0.2621	mg/L	0.2621	mg/L	23:01:06
2	Na	589.592†	49895.9	40834.2	6.781	mg/L	6.781	mg/L	23:01:06
2	Sr	407.771†	327142.7	268586.2	0.2822	mg/L	0.2822	mg/L	23:01:04
2	Y	371.029	3015567.1	3015567.1	1.22	mg/L	1.22	mg/L	23:01:41
2	Ag	328.068†	-1641.6	-2732.7	0.0071	mg/L	0.0071	mg/L	23:01:44
2	Al	237.313†	1199342.3	985274.9	127.2	mg/L	127.2	mg/L	23:01:41
2	As	188.979†	97.7	77.3	0.2707	mg/L	0.2707	mg/L	23:01:54
2	B	182.528†	55.8	43.2	0.0896	mg/L	0.0896	mg/L	23:01:54
2	Ba	233.527†	89815.8	73829.7	1.019	mg/L	1.019	mg/L	23:01:44
2	Be	313.107†	11349.8	9838.6	0.0058	mg/L	0.0058	mg/L	23:01:44
2	Ca	315.887†	8354356.0	6862169.4	64.63	mg/L	64.63	mg/L	23:01:38
2	Cd	228.802†	1000.0	758.5	0.0264	mg/L	0.0264	mg/L	23:01:54
2	Co	228.616†	6953.2	5776.3	0.1292	mg/L	0.1292	mg/L	23:01:54
2	Cr	267.716†	43078.3	34976.4	0.3820	mg/L	0.3820	mg/L	23:01:44
2	Cu	324.752†	259922.4	212268.7	1.197	mg/L	1.197	mg/L	23:01:44
2	Fe	238.204†	38670108.7	31763716.7	268.5	mg/L	268.5	mg/L	23:01:38
2	Mg	279.077†	878229.3	721248.2	63.59	mg/L	63.59	mg/L	23:01:41
2	Mn	257.610†	3249545.8	2668029.4	4.715	mg/L	4.715	mg/L	23:01:41
2	Mo	202.031†	1357.2	1087.7	-0.0716	mg/L	-0.0716	mg/L	23:01:44
2	Ni	231.604†	10353.2	8523.0	0.2983	mg/L	0.2983	mg/L	23:01:54
2	P	214.914†	19113.1	15356.9	10.12	mg/L	10.12	mg/L	23:01:54
2	Pb	220.353†	24377.9	19966.0	1.680	mg/L	1.680	mg/L	23:01:54
2	Sb	206.836†	127.7	68.1	-0.1267	mg/L	-0.1267	mg/L	23:01:54
2	Se	196.026†	-128.1	-105.3	0.0723	mg/L	0.0723	mg/L	23:01:54
2	Sn	189.927†	95.8	75.8	1.222	mg/L	1.222	mg/L	23:01:54
2	Ti	337.279†	5754033.0	4726858.4	6.687	mg/L	6.687	mg/L	23:01:41
2	Tl	190.801†	1.1	-1.1	-0.2505	mg/L	-0.2505	mg/L	23:01:54
2	V	292.402†	98629.9	81698.3	0.4288	mg/L	0.4288	mg/L	23:01:44
2	Zn	213.857†	358378.7	293573.4	3.151	mg/L	3.151	mg/L	23:01:44

Mean Data: 1210136-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3015548.6	1.22	mg/L	0.000				0.00%
Ag 328.068†	-2744.9	0.0069	mg/L	0.00035	0.0069	mg/L	0.00035	5.03%
Al 237.313†	981845.5	126.8	mg/L	0.63	126.8	mg/L	0.63	0.49%
As 188.979†	78.6	0.2716	mg/L	0.00128	0.2716	mg/L	0.00128	0.47%
B 182.528†	42.0	0.0873	mg/L	0.00324	0.0873	mg/L	0.00324	3.71%
B 249.677†	93.1	0.0565	mg/L	0.00297	0.0565	mg/L	0.00297	5.26%
Ba 233.527†	73627.5	1.017	mg/L	0.0040	1.017	mg/L	0.0040	0.39%
Be 313.107†	9874.3	0.0058	mg/L	0.00003	0.0058	mg/L	0.00003	0.52%
Ca 315.887†	6893162.6	64.92	mg/L	0.413	64.92	mg/L	0.413	0.64%
Cd 228.802†	759.9	0.0264	mg/L	0.00006	0.0264	mg/L	0.00006	0.21%
Co 228.616†	5756.0	0.1287	mg/L	0.00066	0.1287	mg/L	0.00066	0.51%
Cr 267.716†	34864.3	0.3808	mg/L	0.00175	0.3808	mg/L	0.00175	0.46%
Cu 324.752†	211831.1	1.195	mg/L	0.0035	1.195	mg/L	0.0035	0.29%
Fe 234.349†	479776.4	411.2	mg/L	2.57	411.2	mg/L	2.57	0.63%
Fe 238.204†	31881465.1	269.4	mg/L	1.41	269.4	mg/L	1.41	0.52%
K 766.490†	41303.1	22.41	mg/L	0.007	22.41	mg/L	0.007	0.03%
Li 670.784†	8470.6	0.2622	mg/L	0.00017	0.2622	mg/L	0.00017	0.07%
Mg 279.077†	719361.6	63.42	mg/L	0.235	63.42	mg/L	0.235	0.37%
Mn 257.610†	2660377.6	4.701	mg/L	0.0191	4.701	mg/L	0.0191	0.41%
Mo 202.031†	1056.2	-0.0727	mg/L	0.00157	-0.0727	mg/L	0.00157	2.16%
Na 589.592†	40817.5	6.778	mg/L	0.0039	6.778	mg/L	0.0039	0.06%
Ni 231.604†	8538.7	0.2989	mg/L	0.00078	0.2989	mg/L	0.00078	0.26%
P 214.914†	15332.2	10.10	mg/L	0.027	10.10	mg/L	0.027	0.27%

Pb 220.353†	19954.1	1.679 mg/L	0.0013	1.679 mg/L	0.0013	0.08%
Sb 206.836†	68.1	-0.1259 mg/L	0.00113	-0.1259 mg/L	0.00113	0.90%
Se 196.026†	-109.8	0.0672 mg/L	0.00725	0.0672 mg/L	0.00725	10.79%
Sn 189.927†	81.4	1.218 mg/L	0.0057	1.218 mg/L	0.0057	0.47%
Sr 407.771†	267496.4	0.2811 mg/L	0.00162	0.2811 mg/L	0.00162	0.58%
Ti 337.279†	4711805.0	6.665 mg/L	0.0301	6.665 mg/L	0.0301	0.45%
Tl 190.801†	4.0	-0.2459 mg/L	0.00656	-0.2459 mg/L	0.00656	2.67%
V 292.402†	81507.1	0.4279 mg/L	0.00121	0.4279 mg/L	0.00121	0.28%
Zn 213.857†	293076.3	3.146 mg/L	0.0076	3.146 mg/L	0.0076	0.24%

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Sequence No.: 104                               Autosampler Location: 94
Sample ID: CJ20516-DUP2                       Date Collected: 10/6/2012 11:03:31 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CJ20516-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	205.7	164.0	0.0978 mg/L	0.0978 mg/L	23:05:16
1	Fe 234.349†	424602.2	347187.0	297.5 mg/L	297.5 mg/L	23:05:14
1	K 766.490†	61386.8	50024.9	27.10 mg/L	27.10 mg/L	23:05:16
1	Li 670.784†	10700.1	8924.5	0.2763 mg/L	0.2763 mg/L	23:05:16
1	Na 589.592†	64977.7	52979.2	8.767 mg/L	8.767 mg/L	23:05:16
1	Sr 407.771†	395306.1	323095.9	0.3394 mg/L	0.3394 mg/L	23:05:14
1	Y 371.029	3029375.6	3029375.6	1.22 mg/L		23:05:30
1	Ag 328.068†	-830.5	-2063.3	0.0039 mg/L	0.0039 mg/L	23:05:32
1	Al 237.313†	1382295.9	1130378.7	145.9 mg/L	145.9 mg/L	23:05:30
1	As 188.979†	124.8	99.1	0.2493 mg/L	0.2493 mg/L	23:05:43
1	B 182.528†	70.1	54.6	0.1120 mg/L	0.1120 mg/L	23:05:43
1	Ba 233.527†	148445.0	121432.3	1.678 mg/L	1.678 mg/L	23:05:32
1	Be 313.107†	13647.5	11674.9	0.0069 mg/L	0.0069 mg/L	23:05:32
1	Ca 315.887†	11474750.3	9382318.2	88.37 mg/L	88.37 mg/L	23:05:27
1	Cd 228.802†	1444.7	1118.5	0.0390 mg/L	0.0390 mg/L	23:05:43
1	Co 228.616†	7152.6	5913.3	0.1306 mg/L	0.1306 mg/L	23:05:43
1	Cr 267.716†	49694.7	40225.1	0.4399 mg/L	0.4399 mg/L	23:05:32
1	Cu 324.752†	330380.5	268906.4	1.517 mg/L	1.517 mg/L	23:05:32
1	Fe 238.204†	31025854.4	25368512.7	214.4 mg/L	214.4 mg/L	23:05:27
1	Mg 279.077†	972177.3	794777.8	70.07 mg/L	70.07 mg/L	23:05:30
1	Mn 257.610†	3088380.5	2524083.9	4.460 mg/L	4.460 mg/L	23:05:30
1	Mo 202.031†	1561.4	1249.6	-0.0273 mg/L	-0.0273 mg/L	23:05:43
1	Ni 231.604†	10977.6	8994.8	0.3151 mg/L	0.3151 mg/L	23:05:43
1	P 214.914†	32736.5	26424.7	16.42 mg/L	16.42 mg/L	23:05:43
1	Pb 220.353†	33060.2	26973.9	2.279 mg/L	2.279 mg/L	23:05:43
1	Sb 206.836†	125.5	65.8	-0.0773 mg/L	-0.0773 mg/L	23:05:43
1	Se 196.026†	-104.4	-85.5	0.0424 mg/L	0.0424 mg/L	23:05:43
1	Sn 189.927†	55.1	42.2	0.8768 mg/L	0.8768 mg/L	23:05:43
1	Ti 337.279†	6673348.5	5457004.2	7.720 mg/L	7.720 mg/L	23:05:30
1	Tl 190.801†	12.8	8.4	-0.1800 mg/L	-0.1800 mg/L	23:05:43
1	V 292.402†	112828.8	92938.9	0.5206 mg/L	0.5206 mg/L	23:05:32
1	Zn 213.857†	416250.6	339551.3	3.645 mg/L	3.645 mg/L	23:05:32
2	B 249.677†	209.7	168.6	0.1004 mg/L	0.1004 mg/L	23:05:20
2	Fe 234.349†	436705.4	359630.7	308.2 mg/L	308.2 mg/L	23:05:18
2	K 766.490†	61612.1	50568.6	27.40 mg/L	27.40 mg/L	23:05:20
2	Li 670.784†	10680.4	8970.7	0.2777 mg/L	0.2777 mg/L	23:05:20
2	Na 589.592†	65161.8	53509.8	8.854 mg/L	8.854 mg/L	23:05:20
2	Sr 407.771†	405488.8	333787.2	0.3506 mg/L	0.3506 mg/L	23:05:18
2	Y 371.029	3007917.0	3007917.0	1.21 mg/L		23:05:51
2	Ag 328.068†	-859.5	-2092.0	0.0045 mg/L	0.0045 mg/L	23:05:53
2	Al 237.313†	1381935.1	1138144.7	146.9 mg/L	146.9 mg/L	23:05:51
2	As 188.979†	130.8	104.7	0.2607 mg/L	0.2607 mg/L	23:06:03
2	B 182.528†	62.9	49.1	0.1012 mg/L	0.1012 mg/L	23:06:03
2	Ba 233.527†	150006.9	123584.4	1.708 mg/L	1.708 mg/L	23:05:53
2	Be 313.107†	13708.2	11804.5	0.0069 mg/L	0.0069 mg/L	23:05:53
2	Ca 315.887†	11513788.2	9481400.4	89.30 mg/L	89.30 mg/L	23:05:47
2	Cd 228.802†	1444.1	1126.4	0.0393 mg/L	0.0393 mg/L	23:06:03
2	Co 228.616†	7165.0	5965.2	0.1318 mg/L	0.1318 mg/L	23:06:03
2	Cr 267.716†	50211.3	40940.4	0.4477 mg/L	0.4477 mg/L	23:05:53
2	Cu 324.752†	334156.3	273943.0	1.545 mg/L	1.545 mg/L	23:05:53
2	Fe 238.204†	31083438.1	25596913.2	216.3 mg/L	216.3 mg/L	23:05:47
2	Mg 279.077†	972807.8	800967.9	70.62 mg/L	70.62 mg/L	23:05:51

2	Mn 257.610†	3088842.0	2542479.1	4.493 mg/L	4.493 mg/L	23:05:51
2	Mo 202.031†	1547.4	1247.2	-0.0307 mg/L	-0.0307 mg/L	23:06:03
2	Ni 231.604†	10943.7	9030.9	0.3164 mg/L	0.3164 mg/L	23:06:03
2	P 214.914†	32797.6	26666.0	16.59 mg/L	16.59 mg/L	23:06:03
2	Pb 220.353†	33065.0	27170.7	2.295 mg/L	2.295 mg/L	23:06:03
2	Sb 206.836†	110.4	54.1	-0.0919 mg/L	-0.0919 mg/L	23:06:03
2	Se 196.026†	-85.2	-70.3	0.0617 mg/L	0.0617 mg/L	23:06:03
2	Sn 189.927†	42.6	32.2	0.9057 mg/L	0.9057 mg/L	23:06:03
2	Ti 337.279†	6679500.5	5500997.4	7.782 mg/L	7.782 mg/L	23:05:51
2	Tl 190.801†	20.4	14.8	-0.1817 mg/L	-0.1817 mg/L	23:06:03
2	V 292.402†	113964.5	94532.3	0.5285 mg/L	0.5285 mg/L	23:05:53
2	Zn 213.857†	421089.4	345964.0	3.714 mg/L	3.714 mg/L	23:05:53

Mean Data: CJ20516-DUP2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3018646.3	1.22	mg/L	0.006			0.50%
Ag 328.068†	-2077.7	0.0042	mg/L	0.00041	0.0042 mg/L	0.00041	9.68%
Al 237.313†	1134261.7	146.4	mg/L	0.71	146.4 mg/L	0.71	0.48%
As 188.979†	101.9	0.2550	mg/L	0.00812	0.2550 mg/L	0.00812	3.18%
B 182.528†	51.9	0.1066	mg/L	0.00762	0.1066 mg/L	0.00762	7.15%
B 249.677†	166.3	0.0991	mg/L	0.00187	0.0991 mg/L	0.00187	1.89%
Ba 233.527†	122508.4	1.693	mg/L	0.0211	1.693 mg/L	0.0211	1.24%
Be 313.107†	11739.7	0.0069	mg/L	0.00006	0.0069 mg/L	0.00006	0.80%
Ca 315.887†	9431859.3	88.84	mg/L	0.660	88.84 mg/L	0.660	0.74%
Cd 228.802†	1122.4	0.0391	mg/L	0.00018	0.0391 mg/L	0.00018	0.45%
Co 228.616†	5939.2	0.1312	mg/L	0.00083	0.1312 mg/L	0.00083	0.64%
Cr 267.716†	40582.8	0.4438	mg/L	0.00557	0.4438 mg/L	0.00557	1.25%
Cu 324.752†	271424.7	1.531	mg/L	0.0201	1.531 mg/L	0.0201	1.31%
Fe 234.349†	353408.8	302.9	mg/L	7.54	302.9 mg/L	7.54	2.49%
Fe 238.204†	25482712.9	215.4	mg/L	1.37	215.4 mg/L	1.37	0.63%
K 766.490†	50296.7	27.25	mg/L	0.207	27.25 mg/L	0.207	0.76%
Li 670.784†	8947.6	0.2770	mg/L	0.00101	0.2770 mg/L	0.00101	0.36%
Mg 279.077†	797872.8	70.35	mg/L	0.386	70.35 mg/L	0.386	0.55%
Mn 257.610†	2533281.5	4.476	mg/L	0.0230	4.476 mg/L	0.0230	0.51%
Mo 202.031†	1248.4	-0.0290	mg/L	0.00245	-0.0290 mg/L	0.00245	8.45%
Na 589.592†	53244.5	8.811	mg/L	0.0614	8.811 mg/L	0.0614	0.70%
Ni 231.604†	9012.8	0.3157	mg/L	0.00090	0.3157 mg/L	0.00090	0.29%
P 214.914†	26545.3	16.51	mg/L	0.119	16.51 mg/L	0.119	0.72%
Pb 220.353†	27072.3	2.287	mg/L	0.0117	2.287 mg/L	0.0117	0.51%
Sb 206.836†	60.0	-0.0846	mg/L	0.01030	-0.0846 mg/L	0.01030	12.17%
Se 196.026†	-77.9	0.0521	mg/L	0.01364	0.0521 mg/L	0.01364	26.20%
Sn 189.927†	37.2	0.8913	mg/L	0.02045	0.8913 mg/L	0.02045	2.29%
Sr 407.771†	328441.5	0.3450	mg/L	0.00793	0.3450 mg/L	0.00793	2.30%
Ti 337.279†	5479000.8	7.751	mg/L	0.0440	7.751 mg/L	0.0440	0.57%
Tl 190.801†	11.6	-0.1809	mg/L	0.00120	-0.1809 mg/L	0.00120	0.67%
V 292.402†	93735.6	0.5246	mg/L	0.00563	0.5246 mg/L	0.00563	1.07%
Zn 213.857†	342757.6	3.679	mg/L	0.0487	3.679 mg/L	0.0487	1.32%

Sequence No.: 105

Sample ID: CJ20516-MS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 95

Date Collected: 10/6/2012 11:07:40 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1454.2	1193.7	0.6964 mg/L	0.6964 mg/L	23:09:22
1	Fe 234.349†	473084.1	389699.1	334.0 mg/L	334.0 mg/L	23:09:20
1	K 766.490†	136883.1	112585.9	60.75 mg/L	60.75 mg/L	23:09:20
1	Li 670.784†	30150.1	25011.0	0.7732 mg/L	0.7732 mg/L	23:09:22
1	Na 589.592†	213917.7	176059.7	28.90 mg/L	28.90 mg/L	23:09:20
1	Sr 407.771†	458810.4	377804.7	0.3968 mg/L	0.3968 mg/L	23:09:20
1	Y 371.029	3007062.1	3007062.1	1.21 mg/L		23:09:37
1	Ag 328.068†	29309.0	22758.5	0.2180 mg/L	0.2180 mg/L	23:09:40
1	Al 237.313†	1686630.7	1389455.1	179.4 mg/L	179.4 mg/L	23:09:37
1	As 188.979†	516.5	422.5	0.6674 mg/L	0.6674 mg/L	23:09:50
1	B 182.528†	479.1	392.0	0.7703 mg/L	0.7703 mg/L	23:09:50
1	Ba 233.527†	384914.0	317119.5	4.386 mg/L	4.386 mg/L	23:09:40

1	Be	313.107†	92799.5	76957.6	0.0459	mg/L	0.0459	mg/L	23:09:40
1	Ca	315.887†	7835140.8	6453885.5	60.79	mg/L	60.79	mg/L	23:09:34
1	Cd	228.802†	7146.0	5823.6	0.2039	mg/L	0.2039	mg/L	23:09:50
1	Co	228.616†	26334.7	21757.5	0.5232	mg/L	0.5232	mg/L	23:09:50
1	Cr	267.716†	91105.7	74638.1	0.8192	mg/L	0.8192	mg/L	23:09:40
1	Cu	324.752†	276359.1	226411.9	1.280	mg/L	1.280	mg/L	23:09:40
1	Fe	238.204†	32520277.6	26787758.0	226.4	mg/L	226.4	mg/L	23:09:34
1	Mg	279.077†	1198105.7	986780.2	87.01	mg/L	87.01	mg/L	23:09:37
1	Mn	257.610†	4469668.5	3680630.0	6.505	mg/L	6.505	mg/L	23:09:37
1	Mo	202.031†	9131.2	7494.5	0.2945	mg/L	0.2945	mg/L	23:09:50
1	Ni	231.604†	25515.0	21036.3	0.7423	mg/L	0.7423	mg/L	23:09:40
1	P	214.914†	26238.9	21271.0	13.44	mg/L	13.44	mg/L	23:09:50
1	Pb	220.353†	24839.9	20403.2	1.704	mg/L	1.704	mg/L	23:09:50
1	Sb	206.836†	326.9	232.5	0.0473	mg/L	0.0473	mg/L	23:09:50
1	Se	196.026†	921.0	758.6	0.8764	mg/L	0.8764	mg/L	23:09:50
1	Sn	189.927†	2272.2	1868.9	1.396	mg/L	1.396	mg/L	23:09:50
1	Ti	337.279†	9000254.9	7414235.3	10.49	mg/L	10.49	mg/L	23:09:34
1	Tl	190.801†	642.0	526.8	0.1551	mg/L	0.1551	mg/L	23:09:50
1	V	292.402†	190602.6	157688.1	0.9217	mg/L	0.9217	mg/L	23:09:40
1	Zn	213.857†	303663.7	249335.6	2.673	mg/L	2.673	mg/L	23:09:40
2	B	249.677†	1442.1	1174.8	0.6854	mg/L	0.6854	mg/L	23:09:27
2	Fe	234.349†	467803.6	382457.6	327.8	mg/L	327.8	mg/L	23:09:25
2	K	766.490†	135709.6	110780.4	59.78	mg/L	59.78	mg/L	23:09:25
2	Li	670.784†	30139.7	24816.1	0.7671	mg/L	0.7671	mg/L	23:09:27
2	Na	589.592†	212350.8	173456.3	28.47	mg/L	28.47	mg/L	23:09:25
2	Sr	407.771†	454942.5	371806.3	0.3905	mg/L	0.3905	mg/L	23:09:25
2	Y	371.029	3029799.6	3029799.6	1.22	mg/L	1.22	mg/L	23:09:59
2	Ag	328.068†	29593.0	22809.5	0.2180	mg/L	0.2180	mg/L	23:10:01
2	Al	237.313†	1709230.3	1397505.0	180.4	mg/L	180.4	mg/L	23:09:59
2	As	188.979†	522.0	423.7	0.6664	mg/L	0.6664	mg/L	23:10:11
2	B	182.528†	479.9	389.7	0.7659	mg/L	0.7659	mg/L	23:10:11
2	Ba	233.527†	389191.7	318237.2	4.401	mg/L	4.401	mg/L	23:10:01
2	Be	313.107†	94195.0	77524.7	0.0462	mg/L	0.0462	mg/L	23:10:01
2	Ca	315.887†	7852793.1	6419881.9	60.47	mg/L	60.47	mg/L	23:09:55
2	Cd	228.802†	7131.0	5767.1	0.2019	mg/L	0.2019	mg/L	23:10:11
2	Co	228.616†	26341.7	21600.4	0.5194	mg/L	0.5194	mg/L	23:10:11
2	Cr	267.716†	92163.6	74939.8	0.8226	mg/L	0.8226	mg/L	23:10:01
2	Cu	324.752†	280232.0	227869.8	1.288	mg/L	1.288	mg/L	23:10:01
2	Fe	238.204†	32576846.4	26632972.1	225.1	mg/L	225.1	mg/L	23:09:55
2	Mg	279.077†	1214264.7	992584.5	87.53	mg/L	87.53	mg/L	23:09:59
2	Mn	257.610†	4524096.0	3697496.5	6.535	mg/L	6.535	mg/L	23:09:59
2	Mo	202.031†	9130.7	7437.7	0.2934	mg/L	0.2934	mg/L	23:10:11
2	Ni	231.604†	25807.9	21118.0	0.7452	mg/L	0.7452	mg/L	23:10:01
2	P	214.914†	26154.4	21039.7	13.29	mg/L	13.29	mg/L	23:10:11
2	Pb	220.353†	24768.3	20191.1	1.685	mg/L	1.685	mg/L	23:10:11
2	Sb	206.836†	319.9	224.7	0.0435	mg/L	0.0435	mg/L	23:10:11
2	Se	196.026†	908.6	742.7	0.8584	mg/L	0.8584	mg/L	23:10:11
2	Sn	189.927†	2268.2	1851.5	1.374	mg/L	1.374	mg/L	23:10:11
2	Ti	337.279†	9011637.8	7367903.7	10.42	mg/L	10.42	mg/L	23:09:55
2	Tl	190.801†	647.1	527.1	0.1589	mg/L	0.1589	mg/L	23:10:11
2	V	292.402†	192667.9	158198.3	0.9261	mg/L	0.9261	mg/L	23:10:01
2	Zn	213.857†	307707.8	250764.7	2.689	mg/L	2.689	mg/L	23:10:01

Mean Data: CJ20516-MS2

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Units		
Y 371.029	3018430.8	1.22	mg/L	0.006				0.53%
Ag 328.068†	22784.0	0.2180	mg/L	0.00003	0.2180	mg/L	0.00003	0.01%
Al 237.313†	1393480.0	179.9	mg/L	0.73	179.9	mg/L	0.73	0.41%
As 188.979†	423.1	0.6669	mg/L	0.00075	0.6669	mg/L	0.00075	0.11%
B 182.528†	390.9	0.7681	mg/L	0.00310	0.7681	mg/L	0.00310	0.40%
B 249.677†	1184.3	0.6909	mg/L	0.00779	0.6909	mg/L	0.00779	1.13%
Ba 233.527†	317678.3	4.394	mg/L	0.0109	4.394	mg/L	0.0109	0.25%
Be 313.107†	77241.2	0.0461	mg/L	0.00024	0.0461	mg/L	0.00024	0.52%
Ca 315.887†	6436883.7	60.63	mg/L	0.226	60.63	mg/L	0.226	0.37%
Cd 228.802†	5795.4	0.2029	mg/L	0.00142	0.2029	mg/L	0.00142	0.70%
Co 228.616†	21679.0	0.5213	mg/L	0.00270	0.5213	mg/L	0.00270	0.52%
Cr 267.716†	74788.9	0.8209	mg/L	0.00235	0.8209	mg/L	0.00235	0.29%
Cu 324.752†	227140.9	1.284	mg/L	0.0058	1.284	mg/L	0.0058	0.45%
Fe 234.349†	386078.3	330.9	mg/L	4.39	330.9	mg/L	4.39	1.33%
Fe 238.204†	26710365.1	225.7	mg/L	0.93	225.7	mg/L	0.93	0.41%
K 766.490†	111683.1	60.27	mg/L	0.687	60.27	mg/L	0.687	1.14%

Li 670.784†	24913.5	0.7701 mg/L	0.00426	0.7701 mg/L	0.00426	0.55%
Mg 279.077†	989682.4	87.27 mg/L	0.362	87.27 mg/L	0.362	0.41%
Mn 257.610†	3689063.2	6.520 mg/L	0.0211	6.520 mg/L	0.0211	0.32%
Mo 202.031†	7466.1	0.2940 mg/L	0.00078	0.2940 mg/L	0.00078	0.27%
Na 589.592†	174758.0	28.69 mg/L	0.301	28.69 mg/L	0.301	1.05%
Ni 231.604†	21077.1	0.7438 mg/L	0.00204	0.7438 mg/L	0.00204	0.27%
P 214.914†	21155.4	13.37 mg/L	0.108	13.37 mg/L	0.108	0.81%
Pb 220.353†	20297.2	1.694 mg/L	0.0132	1.694 mg/L	0.0132	0.78%
Sb 206.836†	228.6	0.0454 mg/L	0.00268	0.0454 mg/L	0.00268	5.91%
Se 196.026†	750.6	0.8674 mg/L	0.01273	0.8674 mg/L	0.01273	1.47%
Sn 189.927†	1860.2	1.385 mg/L	0.0156	1.385 mg/L	0.0156	1.13%
Sr 407.771†	374805.5	0.3936 mg/L	0.00445	0.3936 mg/L	0.00445	1.13%
Ti 337.279†	7391069.5	10.46 mg/L	0.046	10.46 mg/L	0.046	0.44%
Tl 190.801†	526.9	0.1570 mg/L	0.00267	0.1570 mg/L	0.00267	1.70%
V 292.402†	157943.2	0.9239 mg/L	0.00313	0.9239 mg/L	0.00313	0.34%
Zn 213.857†	250050.2	2.681 mg/L	0.0108	2.681 mg/L	0.0108	0.40%

Sequence No.: 106

Autosampler Location: 96

Sample ID: CJ20516-SD2 @5

Date Collected: 10/6/2012 11:11:49 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ20516-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	36.0	25.7	0.0175 mg/L	0.0175 mg/L	23:13:41
1	Fe 234.349†	140814.7	116700.9	100.0 mg/L	100.0 mg/L	23:13:31
1	K 766.490†	11132.2	9056.7	5.069 mg/L	5.069 mg/L	23:13:41
1	Li 670.784†	2020.4	1849.8	0.0577 mg/L	0.0577 mg/L	23:13:41
1	Na 589.592†	11550.5	9421.5	1.642 mg/L	1.642 mg/L	23:13:31
1	Sr 407.771†	76628.8	63372.4	0.0669 mg/L	0.0669 mg/L	23:13:31
1	Y 371.029	2988974.5	2988974.5	1.21 mg/L	1.21 mg/L	23:14:01
1	Ag 328.068†	697.8	-805.9	-0.0007 mg/L	-0.0007 mg/L	23:14:03
1	Al 237.313†	271676.9	225270.0	29.08 mg/L	29.08 mg/L	23:14:03
1	As 188.979†	20.9	14.3	0.0613 mg/L	0.0613 mg/L	23:14:14
1	B 182.528†	12.6	7.8	0.0206 mg/L	0.0206 mg/L	23:14:14
1	Ba 233.527†	21017.5	17471.9	0.2398 mg/L	0.2398 mg/L	23:14:03
1	Be 313.107†	2282.8	2407.6	0.0013 mg/L	0.0013 mg/L	23:14:03
1	Ca 315.887†	1983355.8	1643483.6	15.47 mg/L	15.47 mg/L	23:14:01
1	Cd 228.802†	291.6	178.8	0.0062 mg/L	0.0062 mg/L	23:14:14
1	Co 228.616†	1585.7	1378.9	0.0289 mg/L	0.0289 mg/L	23:14:14
1	Cr 267.716†	10233.0	8071.9	0.0857 mg/L	0.0857 mg/L	23:14:03
1	Cu 324.752†	58946.0	47616.2	0.2660 mg/L	0.2660 mg/L	23:14:03
1	Fe 238.204†	12157197.5	10074687.2	85.14 mg/L	85.14 mg/L	23:13:58
1	Mg 279.077†	208795.9	172897.3	15.21 mg/L	15.21 mg/L	23:14:03
1	Mn 257.610†	754902.8	624430.6	1.101 mg/L	1.101 mg/L	23:14:01
1	Mo 202.031†	363.5	274.1	-0.0169 mg/L	-0.0169 mg/L	23:14:14
1	Ni 231.604†	2427.1	2030.2	0.0682 mg/L	0.0682 mg/L	23:14:14
1	P 214.914†	4628.4	3493.0	2.337 mg/L	2.337 mg/L	23:14:14
1	Pb 220.353†	5787.6	4738.1	0.3960 mg/L	0.3960 mg/L	23:14:14
1	Sb 206.836†	62.2	14.8	-0.0330 mg/L	-0.0330 mg/L	23:14:14
1	Se 196.026†	-25.9	-21.6	0.0202 mg/L	0.0202 mg/L	23:14:14
1	Sn 189.927†	-79.2	-68.5	0.2743 mg/L	0.2743 mg/L	23:14:14
1	Ti 337.279†	1286480.4	1066583.9	1.507 mg/L	1.507 mg/L	23:14:01
1	Tl 190.801†	9.2	5.6	-0.0598 mg/L	-0.0598 mg/L	23:14:14
1	V 292.402†	21831.7	18775.3	0.0959 mg/L	0.0959 mg/L	23:14:03
1	Zn 213.857†	85631.7	70163.1	0.7524 mg/L	0.7524 mg/L	23:14:03
2	B 249.677†	31.4	21.9	0.0153 mg/L	0.0153 mg/L	23:13:54
2	Fe 234.349†	137850.3	114260.0	97.95 mg/L	97.95 mg/L	23:13:44
2	K 766.490†	11063.4	9000.9	5.039 mg/L	5.039 mg/L	23:13:54
2	Li 670.784†	2018.3	1848.3	0.0577 mg/L	0.0577 mg/L	23:13:54
2	Na 589.592†	11292.3	9208.8	1.608 mg/L	1.608 mg/L	23:13:44
2	Sr 407.771†	75046.4	62069.6	0.0656 mg/L	0.0656 mg/L	23:13:44
2	Y 371.029	2988563.0	2988563.0	1.21 mg/L	1.21 mg/L	23:14:19
2	Ag 328.068†	661.6	-835.9	-0.0011 mg/L	-0.0011 mg/L	23:14:21
2	Al 237.313†	266221.0	220779.0	28.50 mg/L	28.50 mg/L	23:14:21
2	As 188.979†	20.5	14.0	0.0600 mg/L	0.0600 mg/L	23:14:31
2	B 182.528†	19.7	13.7	0.0321 mg/L	0.0321 mg/L	23:14:31
2	Ba 233.527†	20533.7	17073.3	0.2343 mg/L	0.2343 mg/L	23:14:21
2	Be 313.107†	2166.1	2311.1	0.0012 mg/L	0.0012 mg/L	23:14:21

2	Ca	315.887†	1963800.3	1627501.8	15.32 mg/L	15.32 mg/L	23:14:19
2	Cd	228.802†	283.8	172.4	0.0060 mg/L	0.0060 mg/L	23:14:31
2	Co	228.616†	1598.9	1390.1	0.0293 mg/L	0.0293 mg/L	23:14:31
2	Cr	267.716†	10072.1	7939.7	0.0842 mg/L	0.0842 mg/L	23:14:21
2	Cu	324.752†	57606.0	46512.3	0.2598 mg/L	0.2598 mg/L	23:14:21
2	Fe	238.204†	12002820.5	9948122.2	84.07 mg/L	84.07 mg/L	23:14:16
2	Mg	279.077†	204760.6	169576.5	14.92 mg/L	14.92 mg/L	23:14:21
2	Mn	257.610†	747361.0	618265.9	1.090 mg/L	1.090 mg/L	23:14:19
2	Mo	202.031†	350.3	263.2	-0.0169 mg/L	-0.0169 mg/L	23:14:31
2	Ni	231.604†	2419.1	2023.8	0.0680 mg/L	0.0680 mg/L	23:14:31
2	P	214.914†	4606.1	3475.0	2.321 mg/L	2.321 mg/L	23:14:31
2	Pb	220.353†	5761.4	4717.1	0.3943 mg/L	0.3943 mg/L	23:14:31
2	Sb	206.836†	59.9	12.9	-0.0337 mg/L	-0.0337 mg/L	23:14:31
2	Se	196.026†	-26.6	-22.1	0.0188 mg/L	0.0188 mg/L	23:14:31
2	Sn	189.927†	-70.7	-61.5	0.2697 mg/L	0.2697 mg/L	23:14:31
2	Ti	337.279†	1270997.0	1053897.6	1.489 mg/L	1.489 mg/L	23:14:19
2	Tl	190.801†	5.9	2.8	-0.0605 mg/L	-0.0605 mg/L	23:14:31
2	V	292.402†	21331.9	18363.5	0.0938 mg/L	0.0938 mg/L	23:14:21
2	Zn	213.857†	83916.7	68751.4	0.7372 mg/L	0.7372 mg/L	23:14:21

Mean Data: CJ20516-SD2 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2988768.7	1.21	mg/L	0.000				0.01%
Ag 328.068†	-820.9	-0.0009	mg/L	0.00029	-0.0009	mg/L	0.00029	34.06%
Al 237.313†	223024.5	28.79	mg/L	0.410	28.79	mg/L	0.410	1.42%
As 188.979†	14.1	0.0606	mg/L	0.00091	0.0606	mg/L	0.00091	1.50%
B 182.528†	10.8	0.0263	mg/L	0.00817	0.0263	mg/L	0.00817	31.04%
B 249.677†	23.8	0.0164	mg/L	0.00156	0.0164	mg/L	0.00156	9.48%
Ba 233.527†	17272.6	0.2371	mg/L	0.00390	0.2371	mg/L	0.00390	1.64%
Be 313.107†	2359.4	0.0013	mg/L	0.00004	0.0013	mg/L	0.00004	3.25%
Ca 315.887†	1635492.7	15.39	mg/L	0.106	15.39	mg/L	0.106	0.69%
Cd 228.802†	175.6	0.0061	mg/L	0.00016	0.0061	mg/L	0.00016	2.62%
Co 228.616†	1384.5	0.0291	mg/L	0.00022	0.0291	mg/L	0.00022	0.77%
Cr 267.716†	8005.8	0.0850	mg/L	0.00103	0.0850	mg/L	0.00103	1.21%
Cu 324.752†	47064.2	0.2629	mg/L	0.00441	0.2629	mg/L	0.00441	1.68%
Fe 234.349†	115480.5	98.99	mg/L	1.479	98.99	mg/L	1.479	1.49%
Fe 238.204†	10011404.7	84.60	mg/L	0.756	84.60	mg/L	0.756	0.89%
K 766.490†	9028.8	5.054	mg/L	0.0212	5.054	mg/L	0.0212	0.42%
Li 670.784†	1849.0	0.0577	mg/L	0.00003	0.0577	mg/L	0.00003	0.06%
Mg 279.077†	171236.9	15.07	mg/L	0.207	15.07	mg/L	0.207	1.37%
Mn 257.610†	621348.2	1.096	mg/L	0.0077	1.096	mg/L	0.0077	0.70%
Mo 202.031†	268.7	-0.0169	mg/L	0.00005	-0.0169	mg/L	0.00005	0.31%
Na 589.592†	9315.1	1.625	mg/L	0.0246	1.625	mg/L	0.0246	1.51%
Ni 231.604†	2027.0	0.0681	mg/L	0.00016	0.0681	mg/L	0.00016	0.24%
P 214.914†	3484.0	2.329	mg/L	0.0110	2.329	mg/L	0.0110	0.47%
Pb 220.353†	4727.6	0.3951	mg/L	0.00116	0.3951	mg/L	0.00116	0.29%
Sb 206.836†	13.8	-0.0334	mg/L	0.00048	-0.0334	mg/L	0.00048	1.43%
Se 196.026†	-21.8	0.0195	mg/L	0.00100	0.0195	mg/L	0.00100	5.11%
Sn 189.927†	-65.0	0.2720	mg/L	0.00320	0.2720	mg/L	0.00320	1.18%
Sr 407.771†	62721.0	0.0663	mg/L	0.00097	0.0663	mg/L	0.00097	1.46%
Ti 337.279†	1060240.7	1.498	mg/L	0.0127	1.498	mg/L	0.0127	0.85%
Tl 190.801†	4.2	-0.0601	mg/L	0.00050	-0.0601	mg/L	0.00050	0.84%
V 292.402†	18569.4	0.0948	mg/L	0.00154	0.0948	mg/L	0.00154	1.63%
Zn 213.857†	69457.2	0.7448	mg/L	0.01072	0.7448	mg/L	0.01072	1.44%

Sequence No.: 107

Sample ID: CJ20516-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 97

Date Collected: 10/6/2012 11:16:10 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1088.0	891.5	0.5204	mg/L	0.5204	mg/L	23:17:54
1	Fe 234.349†	590209.2	485911.1	416.5	mg/L	416.5	mg/L	23:17:52
1	K 766.490†	103211.8	84803.1	45.81	mg/L	45.81	mg/L	23:17:52
1	Li 670.784†	29762.1	24677.9	0.7629	mg/L	0.7629	mg/L	23:17:54
1	Na 589.592†	223426.3	183791.0	30.16	mg/L	30.16	mg/L	23:17:52

1	Sr 407.771†	382580.6	314838.6	0.3307 mg/L	0.3307 mg/L	23:17:52
1	Y 371.029	3008717.3	3008717.3	1.21 mg/L		23:18:08
1	Ag 328.068†	34555.3	27064.3	0.2610 mg/L	0.2610 mg/L	23:18:11
1	Al 237.313†	1203282.1	990761.3	127.9 mg/L	127.9 mg/L	23:18:08
1	As 188.979†	588.1	481.2	0.7753 mg/L	0.7753 mg/L	23:18:21
1	B 182.528†	366.1	298.8	0.5884 mg/L	0.5884 mg/L	23:18:21
1	Ba 233.527†	132391.2	109049.0	1.507 mg/L	1.507 mg/L	23:18:11
1	Be 313.107†	102913.4	85242.0	0.0508 mg/L	0.0508 mg/L	23:18:11
1	Ca 315.887†	9046154.3	7447333.8	70.14 mg/L	70.14 mg/L	23:18:05
1	Cd 228.802†	8711.9	7109.4	0.2491 mg/L	0.2491 mg/L	23:18:21
1	Co 228.616†	29114.1	24033.8	0.5871 mg/L	0.5871 mg/L	23:18:21
1	Cr 267.716†	95459.6	78181.2	0.8584 mg/L	0.8584 mg/L	23:18:11
1	Cu 324.752†	362974.2	297594.9	1.678 mg/L	1.678 mg/L	23:18:11
1	Fe 238.204†	39411956.5	32446777.8	274.2 mg/L	274.2 mg/L	23:18:05
1	Mg 279.077†	927604.8	763540.3	67.32 mg/L	67.32 mg/L	23:18:08
1	Mn 257.610†	3524646.1	2900589.8	5.126 mg/L	5.126 mg/L	23:18:08
1	Mo 202.031†	11572.5	9500.2	0.3755 mg/L	0.3755 mg/L	23:18:11
1	Ni 231.604†	26919.6	22181.0	0.7831 mg/L	0.7831 mg/L	23:18:11
1	P 214.914†	28353.9	23000.4	14.66 mg/L	14.66 mg/L	23:18:21
1	Pb 220.353†	30301.1	24888.0	2.103 mg/L	2.103 mg/L	23:18:21
1	Sb 206.836†	831.7	648.0	0.3606 mg/L	0.3606 mg/L	23:18:21
1	Se 196.026†	1086.4	894.3	1.043 mg/L	1.043 mg/L	23:18:21
1	Sn 189.927†	2805.6	2306.9	1.736 mg/L	1.736 mg/L	23:18:21
1	Ti 337.279†	6068441.1	4996463.6	7.068 mg/L	7.068 mg/L	23:18:08
1	Tl 190.801†	758.7	622.7	0.1799 mg/L	0.1799 mg/L	23:18:21
1	V 292.402†	190573.7	157577.9	0.9093 mg/L	0.9093 mg/L	23:18:11
1	Zn 213.857†	410790.6	337393.1	3.619 mg/L	3.619 mg/L	23:18:11
2	B 249.677†	1084.8	895.0	0.5224 mg/L	0.5224 mg/L	23:17:58
2	Fe 234.349†	586085.8	485782.3	416.4 mg/L	416.4 mg/L	23:17:56
2	K 766.490†	102414.7	84717.6	45.76 mg/L	45.76 mg/L	23:17:56
2	Li 670.784†	30224.3	25226.8	0.7798 mg/L	0.7798 mg/L	23:17:58
2	Na 589.592†	221784.3	183675.1	30.15 mg/L	30.15 mg/L	23:17:56
2	Sr 407.771†	379576.9	314480.9	0.3304 mg/L	0.3304 mg/L	23:17:56
2	Y 371.029	2988489.1	2988489.1	1.21 mg/L		23:18:29
2	Ag 328.068†	34340.9	27079.2	0.2611 mg/L	0.2611 mg/L	23:18:31
2	Al 237.313†	1198756.4	993715.5	128.3 mg/L	128.3 mg/L	23:18:29
2	As 188.979†	563.1	463.7	0.7534 mg/L	0.7534 mg/L	23:18:41
2	B 182.528†	361.9	297.3	0.5855 mg/L	0.5855 mg/L	23:18:41
2	Ba 233.527†	131314.9	108894.6	1.504 mg/L	1.504 mg/L	23:18:31
2	Be 313.107†	102444.7	85427.0	0.0509 mg/L	0.0509 mg/L	23:18:31
2	Ca 315.887†	8919171.4	7392494.0	69.63 mg/L	69.63 mg/L	23:18:26
2	Cd 228.802†	8668.5	7122.0	0.2497 mg/L	0.2497 mg/L	23:18:41
2	Co 228.616†	28930.8	24044.2	0.5873 mg/L	0.5873 mg/L	23:18:41
2	Cr 267.716†	94654.7	78046.1	0.8569 mg/L	0.8569 mg/L	23:18:31
2	Cu 324.752†	361882.9	298713.1	1.684 mg/L	1.684 mg/L	23:18:31
2	Fe 238.204†	39025716.1	32346266.6	273.4 mg/L	273.4 mg/L	23:18:26
2	Mg 279.077†	923584.3	765377.0	67.48 mg/L	67.48 mg/L	23:18:29
2	Mn 257.610†	3511165.1	2909057.3	5.141 mg/L	5.141 mg/L	23:18:29
2	Mo 202.031†	11584.4	9574.6	0.3795 mg/L	0.3795 mg/L	23:18:31
2	Ni 231.604†	26770.7	22207.7	0.7840 mg/L	0.7840 mg/L	23:18:31
2	P 214.914†	28106.8	22953.6	14.63 mg/L	14.63 mg/L	23:18:41
2	Pb 220.353†	30085.2	24877.9	2.102 mg/L	2.102 mg/L	23:18:41
2	Sb 206.836†	842.9	661.8	0.3723 mg/L	0.3723 mg/L	23:18:41
2	Se 196.026†	1065.4	883.0	1.032 mg/L	1.032 mg/L	23:18:41
2	Sn 189.927†	2794.4	2313.3	1.738 mg/L	1.738 mg/L	23:18:41
2	Ti 337.279†	6053512.8	5017906.8	7.098 mg/L	7.098 mg/L	23:18:29
2	Tl 190.801†	747.6	617.7	0.1764 mg/L	0.1764 mg/L	23:18:41
2	V 292.402†	189492.3	157743.5	0.9103 mg/L	0.9103 mg/L	23:18:31
2	Zn 213.857†	407854.9	337248.9	3.617 mg/L	3.617 mg/L	23:18:31

Mean Data: CJ20516-PDS2

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2998603.2	1.21	mg/L	0.006				0.48%
Ag 328.068†	27071.8	0.2610	mg/L	0.00008	0.2610	mg/L	0.00008	0.03%
Al 237.313†	992238.4	128.1	mg/L	0.27	128.1	mg/L	0.27	0.21%
As 188.979†	472.4	0.7644	mg/L	0.01548	0.7644	mg/L	0.01548	2.03%
B 182.528†	298.0	0.5870	mg/L	0.00202	0.5870	mg/L	0.00202	0.34%
B 249.677†	893.3	0.5214	mg/L	0.00142	0.5214	mg/L	0.00142	0.27%
Ba 233.527†	108971.8	1.506	mg/L	0.0015	1.506	mg/L	0.0015	0.10%
Be 313.107†	85334.5	0.0509	mg/L	0.00008	0.0509	mg/L	0.00008	0.15%
Ca 315.887†	7419913.9	69.89	mg/L	0.365	69.89	mg/L	0.365	0.52%

Cd	228.802†	7115.7	0.2494 mg/L	0.00038	0.2494 mg/L	0.00038	0.15%
Co	228.616†	24039.0	0.5872 mg/L	0.00014	0.5872 mg/L	0.00014	0.02%
Cr	267.716†	78113.7	0.8576 mg/L	0.00105	0.8576 mg/L	0.00105	0.12%
Cu	324.752†	298154.0	1.681 mg/L	0.0045	1.681 mg/L	0.0045	0.27%
Fe	234.349†	485846.7	416.4 mg/L	0.08	416.4 mg/L	0.08	0.02%
Fe	238.204†	32396522.2	273.8 mg/L	0.60	273.8 mg/L	0.60	0.22%
K	766.490†	84760.3	45.79 mg/L	0.033	45.79 mg/L	0.033	0.07%
Li	670.784†	24952.4	0.7713 mg/L	0.01199	0.7713 mg/L	0.01199	1.55%
Mg	279.077†	764458.6	67.40 mg/L	0.115	67.40 mg/L	0.115	0.17%
Mn	257.610†	2904823.5	5.133 mg/L	0.0106	5.133 mg/L	0.0106	0.21%
Mo	202.031†	9537.4	0.3775 mg/L	0.00282	0.3775 mg/L	0.00282	0.75%
Na	589.592†	183733.0	30.16 mg/L	0.013	30.16 mg/L	0.013	0.04%
Ni	231.604†	22194.4	0.7835 mg/L	0.00067	0.7835 mg/L	0.00067	0.09%
P	214.914†	22977.0	14.64 mg/L	0.020	14.64 mg/L	0.020	0.14%
Pb	220.353†	24883.0	2.103 mg/L	0.0007	2.103 mg/L	0.0007	0.03%
Sb	206.836†	654.9	0.3664 mg/L	0.00828	0.3664 mg/L	0.00828	2.26%
Se	196.026†	888.6	1.038 mg/L	0.0078	1.038 mg/L	0.0078	0.75%
Sn	189.927†	2310.1	1.737 mg/L	0.0008	1.737 mg/L	0.0008	0.05%
Sr	407.771†	314659.8	0.3305 mg/L	0.00027	0.3305 mg/L	0.00027	0.08%
Ti	337.279†	5007185.2	7.083 mg/L	0.0215	7.083 mg/L	0.0215	0.30%
Tl	190.801†	620.2	0.1782 mg/L	0.00245	0.1782 mg/L	0.00245	1.38%
V	292.402†	157660.7	0.9098 mg/L	0.00074	0.9098 mg/L	0.00074	0.08%
Zn	213.857†	337321.0	3.618 mg/L	0.0011	3.618 mg/L	0.0011	0.03%

Sequence No.: 108

Sample ID: CJ20518-BLK1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 98

Date Collected: 10/6/2012 11:20:20 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	8.0	2.3	0.0040	mg/L	0.0040	mg/L	23:22:18
1	Fe 234.349†	754.2	618.6	0.5486	mg/L	0.5486	mg/L	23:22:18
1	K 766.490†	371.3	133.0	0.2687	mg/L	0.2687	mg/L	23:22:08
1	Li 670.784†	-124.8	74.1	0.0029	mg/L	0.0029	mg/L	23:22:08
1	Na 589.592†	552.0	297.9	0.1500	mg/L	0.1500	mg/L	23:22:08
1	Sr 407.771†	788.9	510.0	0.0010	mg/L	0.0010	mg/L	23:22:08
1	Y 371.029	3048496.5	3048496.5	1.23	mg/L			23:22:42
1	Ag 328.068†	1413.6	-235.6	-0.0035	mg/L	-0.0035	mg/L	23:22:44
1	Al 237.313†	854.2	821.6	0.0983	mg/L	0.0983	mg/L	23:22:55
1	As 188.979†	0.2	-2.8	-0.0016	mg/L	-0.0016	mg/L	23:22:55
1	B 182.528†	2.2	-0.8	0.0037	mg/L	0.0037	mg/L	23:22:55
1	Ba 233.527†	127.4	157.9	0.0003	mg/L	0.0003	mg/L	23:22:55
1	Be 313.107†	-443.9	155.1	-0.0001	mg/L	-0.0001	mg/L	23:22:44
1	Ca 315.887†	17282.8	13891.1	0.1146	mg/L	0.1146	mg/L	23:22:44
1	Cd 228.802†	88.0	8.7	0.0003	mg/L	0.0003	mg/L	23:22:55
1	Co 228.616†	-55.4	19.9	-0.0022	mg/L	-0.0022	mg/L	23:22:55
1	Cr 267.716†	490.4	-9.9	-0.0033	mg/L	-0.0033	mg/L	23:22:44
1	Cu 324.752†	2551.4	839.9	0.0014	mg/L	0.0014	mg/L	23:22:44
1	Fe 238.204†	48757.5	39460.4	0.3218	mg/L	0.3218	mg/L	23:22:44
1	Mg 279.077†	965.3	649.4	0.0195	mg/L	0.0195	mg/L	23:22:44
1	Mn 257.610†	5302.0	3139.8	0.0027	mg/L	0.0027	mg/L	23:22:44
1	Mo 202.031†	61.3	22.7	0.0008	mg/L	0.0008	mg/L	23:22:55
1	Ni 231.604†	8.2	25.4	-0.0029	mg/L	-0.0029	mg/L	23:22:55
1	P 214.914†	439.9	14.7	0.0378	mg/L	0.0378	mg/L	23:22:55
1	Pb 220.353†	95.9	19.8	-0.0022	mg/L	-0.0022	mg/L	23:22:55
1	Sb 206.836†	42.7	-2.1	-0.0032	mg/L	-0.0032	mg/L	23:22:55
1	Se 196.026†	-0.0	-0.1	-0.0014	mg/L	-0.0014	mg/L	23:22:55
1	Sn 189.927†	110.3	86.8	0.0185	mg/L	0.0185	mg/L	23:22:55
1	Ti 337.279†	5671.0	5067.1	0.0051	mg/L	0.0051	mg/L	23:22:44
1	Tl 190.801†	4.0	1.2	-0.0039	mg/L	-0.0039	mg/L	23:22:55
1	V 292.402†	-560.9	227.3	-0.0008	mg/L	-0.0008	mg/L	23:22:44
1	Zn 213.857†	1731.0	605.3	0.0054	mg/L	0.0054	mg/L	23:22:55
2	B 249.677†	9.1	3.3	0.0046	mg/L	0.0046	mg/L	23:22:38
2	Fe 234.349†	525.0	437.8	0.3937	mg/L	0.3937	mg/L	23:22:38
2	K 766.490†	328.4	101.6	0.2518	mg/L	0.2518	mg/L	23:22:28
2	Li 670.784†	-204.1	7.5	0.0008	mg/L	0.0008	mg/L	23:22:28
2	Na 589.592†	477.3	242.2	0.1409	mg/L	0.1409	mg/L	23:22:28
2	Sr 407.771†	634.1	390.9	0.0009	mg/L	0.0009	mg/L	23:22:28

2	Y 371.029	3009836.3	3009836.3	1.22	mg/L			23:22:57
2	Ag 328.068†	1437.9	-200.9	-0.0032	mg/L	-0.0032	mg/L	23:22:59
2	Al 237.313†	828.7	809.5	0.0967	mg/L	0.0967	mg/L	23:23:09
2	As 188.979†	4.8	1.0	0.0030	mg/L	0.0030	mg/L	23:23:09
2	B 182.528†	2.4	-0.6	0.0041	mg/L	0.0041	mg/L	23:23:09
2	Ba 233.527†	127.3	159.1	0.0003	mg/L	0.0003	mg/L	23:23:09
2	Be 313.107†	-404.0	183.4	-0.0001	mg/L	-0.0001	mg/L	23:22:59
2	Ca 315.887†	15846.6	12889.5	0.1052	mg/L	0.1052	mg/L	23:22:59
2	Cd 228.802†	83.4	5.8	0.0002	mg/L	0.0002	mg/L	23:23:09
2	Co 228.616†	-55.4	19.3	-0.0023	mg/L	-0.0023	mg/L	23:23:09
2	Cr 267.716†	478.1	-14.9	-0.0034	mg/L	-0.0034	mg/L	23:22:59
2	Cu 324.752†	2553.2	868.0	0.0016	mg/L	0.0016	mg/L	23:22:59
2	Fe 238.204†	41434.7	33942.9	0.2752	mg/L	0.2752	mg/L	23:22:59
2	Mg 279.077†	860.5	573.3	0.0128	mg/L	0.0128	mg/L	23:22:59
2	Mn 257.610†	4868.0	2838.0	0.0021	mg/L	0.0021	mg/L	23:22:59
2	Mo 202.031†	43.3	8.6	0.0001	mg/L	0.0001	mg/L	23:23:09
2	Ni 231.604†	4.9	22.8	-0.0030	mg/L	-0.0030	mg/L	23:23:09
2	P 214.914†	446.9	25.1	0.0436	mg/L	0.0436	mg/L	23:23:09
2	Pb 220.353†	70.8	0.1	-0.0039	mg/L	-0.0039	mg/L	23:23:09
2	Sb 206.836†	34.3	-8.6	-0.0086	mg/L	-0.0086	mg/L	23:23:09
2	Se 196.026†	6.1	4.9	0.0034	mg/L	0.0034	mg/L	23:23:09
2	Sn 189.927†	113.8	90.8	0.0190	mg/L	0.0190	mg/L	23:23:09
2	Ti 337.279†	5149.4	4697.0	0.0046	mg/L	0.0046	mg/L	23:22:59
2	Tl 190.801†	1.4	-0.9	-0.0053	mg/L	-0.0053	mg/L	23:23:09
2	V 292.402†	-606.0	184.4	-0.0011	mg/L	-0.0011	mg/L	23:22:59
2	Zn 213.857†	1743.3	633.5	0.0057	mg/L	0.0057	mg/L	23:23:09

Mean Data: CJ20518-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3029166.4	1.22	mg/L	0.011				0.90%
Ag 328.068†	-218.3	-0.0033	mg/L	0.00020	-0.0033	mg/L	0.00020	5.99%
Al 237.313†	815.6	0.0975	mg/L	0.00110	0.0975	mg/L	0.00110	1.13%
As 188.979†	-0.9	0.0007	mg/L	0.00326	0.0007	mg/L	0.00326	494.83%
B 182.528†	-0.7	0.0039	mg/L	0.00031	0.0039	mg/L	0.00031	7.92%
B 249.677†	2.8	0.0043	mg/L	0.00041	0.0043	mg/L	0.00041	9.50%
Ba 233.527†	158.5	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	4.19%
Be 313.107†	169.2	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	19.28%
Ca 315.887†	13390.3	0.1099	mg/L	0.00667	0.1099	mg/L	0.00667	6.07%
Cd 228.802†	7.3	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	38.06%
Co 228.616†	19.6	-0.0023	mg/L	0.00001	-0.0023	mg/L	0.00001	0.44%
Cr 267.716†	-12.4	-0.0033	mg/L	0.00004	-0.0033	mg/L	0.00004	1.19%
Cu 324.752†	854.0	0.0015	mg/L	0.00011	0.0015	mg/L	0.00011	7.49%
Fe 234.349†	528.2	0.4712	mg/L	0.10958	0.4712	mg/L	0.10958	23.26%
Fe 238.204†	36701.6	0.2985	mg/L	0.03298	0.2985	mg/L	0.03298	11.05%
K 766.490†	117.3	0.2603	mg/L	0.01195	0.2603	mg/L	0.01195	4.59%
Li 670.784†	40.8	0.0018	mg/L	0.00145	0.0018	mg/L	0.00145	78.87%
Mg 279.077†	611.4	0.0161	mg/L	0.00475	0.0161	mg/L	0.00475	29.45%
Mn 257.610†	2988.9	0.0024	mg/L	0.00038	0.0024	mg/L	0.00038	15.69%
Mo 202.031†	15.6	0.0004	mg/L	0.00050	0.0004	mg/L	0.00050	111.10%
Na 589.592†	270.1	0.1455	mg/L	0.00644	0.1455	mg/L	0.00644	4.43%
Ni 231.604†	24.1	-0.0029	mg/L	0.00007	-0.0029	mg/L	0.00007	2.30%
P 214.914†	19.9	0.0407	mg/L	0.00412	0.0407	mg/L	0.00412	10.13%
Pb 220.353†	9.9	-0.0031	mg/L	0.00120	-0.0031	mg/L	0.00120	39.17%
Sb 206.836†	-5.4	-0.0059	mg/L	0.00382	-0.0059	mg/L	0.00382	64.86%
Se 196.026†	2.4	0.0010	mg/L	0.00339	0.0010	mg/L	0.00339	326.53%
Sn 189.927†	88.8	0.0188	mg/L	0.00032	0.0188	mg/L	0.00032	1.71%
Sr 407.771†	450.5	0.0009	mg/L	0.00009	0.0009	mg/L	0.00009	9.52%
Ti 337.279†	4882.0	0.0049	mg/L	0.00037	0.0049	mg/L	0.00037	7.63%
Tl 190.801†	0.2	-0.0046	mg/L	0.00099	-0.0046	mg/L	0.00099	21.49%
V 292.402†	205.8	-0.0010	mg/L	0.00017	-0.0010	mg/L	0.00017	18.02%
Zn 213.857†	619.4	0.0056	mg/L	0.00021	0.0056	mg/L	0.00021	3.84%

Sequence No.: 109
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/6/2012 11:24:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	985.9	811.3	0.4740	mg/L	0.4740	mg/L	23:26:38
1	Fe 234.349†	3593.6	2978.1	2.559	mg/L	2.559	mg/L	23:26:38
1	K 766.490†	52791.1	43495.7	23.59	mg/L	23.59	mg/L	23:26:28
1	Li 670.784†	18672.9	15620.1	0.4831	mg/L	0.4831	mg/L	23:26:28
1	Na 589.592†	174086.6	143839.6	23.63	mg/L	23.63	mg/L	23:26:28
1	Sr 407.771†	56299.8	46435.6	0.0492	mg/L	0.0492	mg/L	23:26:28
1	Y 371.029	2994743.7	2994743.7	1.21	mg/L			23:26:54
1	Ag 328.068†	38009.1	30053.8	0.2545	mg/L	0.2545	mg/L	23:26:57
1	Al 237.313†	23462.9	19534.1	2.519	mg/L	2.519	mg/L	23:26:57
1	As 188.979†	505.7	415.3	0.5200	mg/L	0.5200	mg/L	23:27:07
1	B 182.528†	335.1	274.5	0.5411	mg/L	0.5411	mg/L	23:27:07
1	Ba 233.527†	45103.5	37360.3	0.5148	mg/L	0.5148	mg/L	23:26:57
1	Be 313.107†	96946.7	80702.2	0.0481	mg/L	0.0481	mg/L	23:26:57
1	Ca 315.887†	621182.6	513639.5	4.825	mg/L	4.825	mg/L	23:26:54
1	Cd 228.802†	8344.2	6838.8	0.2400	mg/L	0.2400	mg/L	23:27:07
1	Co 228.616†	24150.6	20040.3	0.4998	mg/L	0.4998	mg/L	23:26:57
1	Cr 267.716†	55345.8	45369.1	0.4970	mg/L	0.4970	mg/L	23:26:57
1	Cu 324.752†	109937.4	89697.9	0.5021	mg/L	0.5021	mg/L	23:26:57
1	Fe 238.204†	356770.4	294934.5	2.482	mg/L	2.482	mg/L	23:26:57
1	Mg 279.077†	69218.6	57117.0	5.001	mg/L	5.001	mg/L	23:26:57
1	Mn 257.610†	352100.1	290060.0	0.5101	mg/L	0.5101	mg/L	23:26:57
1	Mo 202.031†	11209.1	9244.1	0.4915	mg/L	0.4915	mg/L	23:27:07
1	Ni 231.604†	18296.3	15152.0	0.5340	mg/L	0.5340	mg/L	23:26:57
1	P 214.914†	10161.9	8062.4	4.818	mg/L	4.818	mg/L	23:27:07
1	Pb 220.353†	6865.4	5620.4	0.4794	mg/L	0.4794	mg/L	23:27:07
1	Sb 206.836†	799.5	624.5	0.5241	mg/L	0.5241	mg/L	23:27:07
1	Se 196.026†	1300.4	1075.5	1.043	mg/L	1.043	mg/L	23:27:07
1	Sn 189.927†	2807.1	2319.0	0.5291	mg/L	0.5291	mg/L	23:27:07
1	Ti 337.279†	417525.6	345802.0	0.4873	mg/L	0.4873	mg/L	23:26:54
1	Tl 190.801†	849.9	700.9	0.4800	mg/L	0.4800	mg/L	23:27:07
1	V 292.402†	96170.9	80227.7	0.5061	mg/L	0.5061	mg/L	23:26:57
1	Zn 213.857†	58907.8	47922.6	0.5103	mg/L	0.5103	mg/L	23:26:57
2	B 249.677†	984.2	819.0	0.4785	mg/L	0.4785	mg/L	23:26:50
2	Fe 234.349†	3571.4	2993.1	2.572	mg/L	2.572	mg/L	23:26:50
2	K 766.490†	51018.2	42505.7	23.06	mg/L	23.06	mg/L	23:26:40
2	Li 670.784†	17962.8	15200.5	0.4701	mg/L	0.4701	mg/L	23:26:40
2	Na 589.592†	168158.4	140506.3	23.08	mg/L	23.08	mg/L	23:26:40
2	Sr 407.771†	54248.5	45245.4	0.0479	mg/L	0.0479	mg/L	23:26:40
2	Y 371.029	2961315.7	2961315.7	1.20	mg/L			23:27:09
2	Ag 328.068†	38085.6	30472.7	0.2580	mg/L	0.2580	mg/L	23:27:12
2	Al 237.313†	23471.2	19760.1	2.548	mg/L	2.548	mg/L	23:27:12
2	As 188.979†	511.0	424.4	0.5314	mg/L	0.5314	mg/L	23:27:22
2	B 182.528†	338.9	280.8	0.5533	mg/L	0.5533	mg/L	23:27:22
2	Ba 233.527†	45321.4	37963.7	0.5232	mg/L	0.5232	mg/L	23:27:12
2	Be 313.107†	96785.1	81472.2	0.0486	mg/L	0.0486	mg/L	23:27:12
2	Ca 315.887†	618109.1	516868.4	4.855	mg/L	4.855	mg/L	23:27:09
2	Cd 228.802†	8374.8	6942.3	0.2436	mg/L	0.2436	mg/L	23:27:22
2	Co 228.616†	24121.2	20241.1	0.5048	mg/L	0.5048	mg/L	23:27:12
2	Cr 267.716†	55444.4	45968.4	0.5036	mg/L	0.5036	mg/L	23:27:12
2	Cu 324.752†	109710.5	90534.6	0.5069	mg/L	0.5069	mg/L	23:27:12
2	Fe 238.204†	355550.7	297245.3	2.501	mg/L	2.501	mg/L	23:27:12
2	Mg 279.077†	69294.0	57826.4	5.064	mg/L	5.064	mg/L	23:27:12
2	Mn 257.610†	351335.3	292707.8	0.5148	mg/L	0.5148	mg/L	23:27:12
2	Mo 202.031†	11281.0	9408.9	0.5002	mg/L	0.5002	mg/L	23:27:22
2	Ni 231.604†	18284.0	15312.5	0.5397	mg/L	0.5397	mg/L	23:27:12
2	P 214.914†	10204.5	8192.9	4.895	mg/L	4.895	mg/L	23:27:22
2	Pb 220.353†	6919.2	5729.5	0.4888	mg/L	0.4888	mg/L	23:27:22
2	Sb 206.836†	797.3	630.1	0.5289	mg/L	0.5289	mg/L	23:27:22
2	Se 196.026†	1299.7	1087.1	1.054	mg/L	1.054	mg/L	23:27:22
2	Sn 189.927†	2801.4	2340.4	0.5340	mg/L	0.5340	mg/L	23:27:22
2	Ti 337.279†	416114.7	348520.2	0.4911	mg/L	0.4911	mg/L	23:27:09
2	Tl 190.801†	852.8	711.3	0.4872	mg/L	0.4872	mg/L	23:27:22
2	V 292.402†	96138.5	81098.5	0.5117	mg/L	0.5117	mg/L	23:27:12
2	Zn 213.857†	58751.4	48341.7	0.5148	mg/L	0.5148	mg/L	23:27:12

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2978029.7	1.20 mg/L	0.010			0.79%
Ag 328.068†	30263.2	0.2562 mg/L	0.00252	0.2562 mg/L	0.00252	0.98%

QC value within limits for Ag	328.068	Recovery = 102.49%				
Al 237.313†	19647.1	2.534 mg/L	0.0207	2.534 mg/L	0.0207	0.82%
QC value within limits for Al	237.313	Recovery = 101.36%				
As 188.979†	419.9	0.5257 mg/L	0.00806	0.5257 mg/L	0.00806	1.53%
QC value within limits for As	188.979	Recovery = 105.14%				
B 182.528†	277.7	0.5472 mg/L	0.00866	0.5472 mg/L	0.00866	1.58%
QC value within limits for B	182.528	Recovery = 109.44%				
B 249.677†	815.2	0.4762 mg/L	0.00317	0.4762 mg/L	0.00317	0.67%
QC value within limits for B	249.677	Recovery = 95.24%				
Ba 233.527†	37662.0	0.5190 mg/L	0.00590	0.5190 mg/L	0.00590	1.14%
QC value within limits for Ba	233.527	Recovery = 103.80%				
Be 313.107†	81087.2	0.0483 mg/L	0.00033	0.0483 mg/L	0.00033	0.67%
QC value within limits for Be	313.107	Recovery = 96.64%				
Ca 315.887†	515253.9	4.840 mg/L	0.0215	4.840 mg/L	0.0215	0.44%
QC value within limits for Ca	315.887	Recovery = 96.80%				
Cd 228.802†	6890.6	0.2418 mg/L	0.00256	0.2418 mg/L	0.00256	1.06%
QC value within limits for Cd	228.802	Recovery = 96.70%				
Co 228.616†	20140.7	0.5023 mg/L	0.00356	0.5023 mg/L	0.00356	0.71%
QC value within limits for Co	228.616	Recovery = 100.45%				
Cr 267.716†	45668.7	0.5003 mg/L	0.00467	0.5003 mg/L	0.00467	0.93%
QC value within limits for Cr	267.716	Recovery = 100.07%				
Cu 324.752†	90116.3	0.5045 mg/L	0.00333	0.5045 mg/L	0.00333	0.66%
QC value within limits for Cu	324.752	Recovery = 100.90%				
Fe 234.349†	2985.6	2.566 mg/L	0.0090	2.566 mg/L	0.0090	0.35%
QC value within limits for Fe	234.349	Recovery = 102.63%				
Fe 238.204†	296089.9	2.491 mg/L	0.0138	2.491 mg/L	0.0138	0.55%
QC value within limits for Fe	238.204	Recovery = 99.66%				
K 766.490†	43000.7	23.33 mg/L	0.377	23.33 mg/L	0.377	1.61%
QC value within limits for K	766.490	Recovery = 93.30%				
Li 670.784†	15410.3	0.4766 mg/L	0.00916	0.4766 mg/L	0.00916	1.92%
QC value within limits for Li	670.784	Recovery = 95.32%				
Mg 279.077†	57471.7	5.033 mg/L	0.0443	5.033 mg/L	0.0443	0.88%
QC value within limits for Mg	279.077	Recovery = 100.65%				
Mn 257.610†	291383.9	0.5124 mg/L	0.00331	0.5124 mg/L	0.00331	0.65%
QC value within limits for Mn	257.610	Recovery = 102.49%				
Mo 202.031†	9326.5	0.4959 mg/L	0.00621	0.4959 mg/L	0.00621	1.25%
QC value within limits for Mo	202.031	Recovery = 99.17%				
Na 589.592†	142172.9	23.36 mg/L	0.386	23.36 mg/L	0.386	1.65%
QC value within limits for Na	589.592	Recovery = 93.43%				
Ni 231.604†	15232.3	0.5368 mg/L	0.00403	0.5368 mg/L	0.00403	0.75%
QC value within limits for Ni	231.604	Recovery = 107.36%				
P 214.914†	8127.6	4.857 mg/L	0.0548	4.857 mg/L	0.0548	1.13%
QC value within limits for P	214.914	Recovery = 97.13%				
Pb 220.353†	5674.9	0.4841 mg/L	0.00665	0.4841 mg/L	0.00665	1.37%
QC value within limits for Pb	220.353	Recovery = 96.83%				
Sb 206.836†	627.3	0.5265 mg/L	0.00337	0.5265 mg/L	0.00337	0.64%
QC value within limits for Sb	206.836	Recovery = 105.30%				
Se 196.026†	1081.3	1.048 mg/L	0.0079	1.048 mg/L	0.0079	0.75%
QC value within limits for Se	196.026	Recovery = 104.82%				
Sn 189.927†	2329.7	0.5316 mg/L	0.00345	0.5316 mg/L	0.00345	0.65%
QC value within limits for Sn	189.927	Recovery = 106.31%				
Sr 407.771†	45840.5	0.0485 mg/L	0.00088	0.0485 mg/L	0.00088	1.82%
QC value within limits for Sr	407.771	Recovery = 97.09%				
Ti 337.279†	347161.1	0.4892 mg/L	0.00272	0.4892 mg/L	0.00272	0.56%
QC value within limits for Ti	337.279	Recovery = 97.84%				
Tl 190.801†	706.1	0.4836 mg/L	0.00509	0.4836 mg/L	0.00509	1.05%
QC value within limits for Tl	190.801	Recovery = 96.72%				
V 292.402†	80663.1	0.5089 mg/L	0.00393	0.5089 mg/L	0.00393	0.77%
QC value within limits for V	292.402	Recovery = 101.78%				
Zn 213.857†	48132.1	0.5125 mg/L	0.00316	0.5125 mg/L	0.00316	0.62%
QC value within limits for Zn	213.857	Recovery = 102.51%				

All analyte(s) passed QC.

Sequence No.: 110

Autosampler Location: 1

Sample ID: CCB1

Date Collected: 10/6/2012 11:29:00 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CCB1

Net

Corrected

Calib.

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Sample Analysis

Repl#	Analyte	Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	4.3	-0.7	0.0022 mg/L	0.0022 mg/L	23:30:59
1	Fe 234.349†	9.4	13.4	0.0300 mg/L	0.0300 mg/L	23:30:59
1	K 766.490†	220.3	10.6	0.2029 mg/L	0.2029 mg/L	23:30:49
1	Li 670.784†	-144.1	58.2	0.0024 mg/L	0.0024 mg/L	23:30:49
1	Na 589.592†	320.6	110.4	0.1193 mg/L	0.1193 mg/L	23:30:49
1	Sr 407.771†	225.1	52.3	0.0005 mg/L	0.0005 mg/L	23:30:49
1	Y 371.029	3042855.0	3042855.0	1.23 mg/L		23:31:23
1	Ag 328.068†	1443.0	-209.6	-0.0033 mg/L	-0.0033 mg/L	23:31:26
1	Al 237.313†	-91.8	52.8	-0.0010 mg/L	-0.0010 mg/L	23:31:36
1	As 188.979†	5.9	1.8	0.0038 mg/L	0.0038 mg/L	23:31:36
1	B 182.528†	3.6	0.3	0.0059 mg/L	0.0059 mg/L	23:31:36
1	Ba 233.527†	-17.6	40.1	-0.0014 mg/L	-0.0014 mg/L	23:31:36
1	Be 313.107†	-450.6	149.0	-0.0001 mg/L	-0.0001 mg/L	23:31:26
1	Ca 315.887†	2177.9	1621.2	-0.0010 mg/L	-0.0010 mg/L	23:31:26
1	Cd 228.802†	84.1	5.6	0.0002 mg/L	0.0002 mg/L	23:31:36
1	Co 228.616†	-29.3	41.0	-0.0017 mg/L	-0.0017 mg/L	23:31:36
1	Cr 267.716†	451.7	-40.7	-0.0037 mg/L	-0.0037 mg/L	23:31:26
1	Cu 324.752†	1612.1	79.0	-0.0029 mg/L	-0.0029 mg/L	23:31:26
1	Fe 238.204†	2121.7	1570.4	0.0016 mg/L	0.0016 mg/L	23:31:36
1	Mg 279.077†	253.8	71.7	-0.0315 mg/L	-0.0315 mg/L	23:31:26
1	Mn 257.610†	790.4	-524.8	-0.0038 mg/L	-0.0038 mg/L	23:31:36
1	Mo 202.031†	41.2	6.4	0.0001 mg/L	0.0001 mg/L	23:31:36
1	Ni 231.604†	1.7	20.1	-0.0031 mg/L	-0.0031 mg/L	23:31:36
1	P 214.914†	360.9	-48.9	-0.0012 mg/L	-0.0012 mg/L	23:31:36
1	Pb 220.353†	64.1	-5.9	-0.0044 mg/L	-0.0044 mg/L	23:31:36
1	Sb 206.836†	35.2	-8.2	-0.0081 mg/L	-0.0081 mg/L	23:31:36
1	Se 196.026†	8.8	7.1	0.0054 mg/L	0.0054 mg/L	23:31:36
1	Sn 189.927†	18.8	12.5	0.0002 mg/L	0.0002 mg/L	23:31:36
1	Ti 337.279†	1262.1	1486.5	0.0000 mg/L	0.0000 mg/L	23:31:26
1	Tl 190.801†	2.8	0.3	-0.0043 mg/L	-0.0043 mg/L	23:31:36
1	V 292.402†	-559.3	227.8	-0.0007 mg/L	-0.0007 mg/L	23:31:26
1	Zn 213.857†	1096.7	91.6	-0.0001 mg/L	-0.0001 mg/L	23:31:36
2	B 249.677†	8.9	3.2	0.0045 mg/L	0.0045 mg/L	23:31:20
2	Fe 234.349†	3.8	8.9	0.0261 mg/L	0.0261 mg/L	23:31:20
2	K 766.490†	251.9	37.6	0.2174 mg/L	0.2174 mg/L	23:31:10
2	Li 670.784†	-178.3	29.4	0.0015 mg/L	0.0015 mg/L	23:31:10
2	Na 589.592†	265.4	66.8	0.1122 mg/L	0.1122 mg/L	23:31:10
2	Sr 407.771†	199.1	32.0	0.0005 mg/L	0.0005 mg/L	23:31:10
2	Y 371.029	3024919.9	3024919.9	1.22 mg/L		23:31:38
2	Ag 328.068†	1396.8	-240.4	-0.0036 mg/L	-0.0036 mg/L	23:31:40
2	Al 237.313†	-80.0	62.0	0.0002 mg/L	0.0002 mg/L	23:31:51
2	As 188.979†	-1.9	-4.5	-0.0040 mg/L	-0.0040 mg/L	23:31:51
2	B 182.528†	1.5	-1.4	0.0026 mg/L	0.0026 mg/L	23:31:51
2	Ba 233.527†	-5.3	50.0	-0.0012 mg/L	-0.0012 mg/L	23:31:51
2	Be 313.107†	-374.2	209.4	0.0000 mg/L	0.0000 mg/L	23:31:40
2	Ca 315.887†	657.5	386.6	-0.0126 mg/L	-0.0126 mg/L	23:31:40
2	Cd 228.802†	80.3	2.9	0.0001 mg/L	0.0001 mg/L	23:31:51
2	Co 228.616†	-42.1	30.4	-0.0020 mg/L	-0.0020 mg/L	23:31:51
2	Cr 267.716†	419.2	-65.1	-0.0039 mg/L	-0.0039 mg/L	23:31:40
2	Cu 324.752†	1625.4	97.8	-0.0028 mg/L	-0.0028 mg/L	23:31:40
2	Fe 238.204†	2073.1	1540.9	0.0013 mg/L	0.0013 mg/L	23:31:51
2	Mg 279.077†	231.3	54.5	-0.0330 mg/L	-0.0330 mg/L	23:31:40
2	Mn 257.610†	814.5	-501.2	-0.0038 mg/L	-0.0038 mg/L	23:31:51
2	Mo 202.031†	54.7	17.7	0.0007 mg/L	0.0007 mg/L	23:31:51
2	Ni 231.604†	3.9	22.0	-0.0030 mg/L	-0.0030 mg/L	23:31:51
2	P 214.914†	356.2	-51.0	-0.0025 mg/L	-0.0025 mg/L	23:31:51
2	Pb 220.353†	75.7	3.8	-0.0036 mg/L	-0.0036 mg/L	23:31:51
2	Sb 206.836†	31.4	-11.0	-0.0105 mg/L	-0.0105 mg/L	23:31:51
2	Se 196.026†	2.6	2.0	0.0005 mg/L	0.0005 mg/L	23:31:51
2	Sn 189.927†	15.3	9.7	-0.0004 mg/L	-0.0004 mg/L	23:31:51
2	Ti 337.279†	442.6	821.5	-0.0009 mg/L	-0.0009 mg/L	23:31:40
2	Tl 190.801†	5.3	2.4	-0.0028 mg/L	-0.0028 mg/L	23:31:51
2	V 292.402†	-645.0	154.9	-0.0012 mg/L	-0.0012 mg/L	23:31:40
2	Zn 213.857†	1107.0	105.3	0.0001 mg/L	0.0001 mg/L	23:31:51

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3033887.5	1.22 mg/L	0.005			0.42%
Ag 328.068†	-225.0	-0.0034 mg/L	0.00019	-0.0034 mg/L	0.00019	5.41%

QC value less than the lower limit for Ag 328.068 Recovery = Not calculated

Al	237.313†	57.4	-0.0004 mg/L	0.00084	-0.0004 mg/L	0.00084	216.28%
	QC value within limits for Al 237.313		Recovery = Not calculated				
As	188.979†	-1.4	-0.0001 mg/L	0.00555	-0.0001 mg/L	0.00555	>999.9%
	QC value within limits for As 188.979		Recovery = Not calculated				
B	182.528†	-0.6	0.0042 mg/L	0.00233	0.0042 mg/L	0.00233	54.91%
	QC value within limits for B 182.528		Recovery = Not calculated				
B	249.677†	1.2	0.0034 mg/L	0.00158	0.0034 mg/L	0.00158	47.09%
	QC value within limits for B 249.677		Recovery = Not calculated				
Ba	233.527†	45.1	-0.0013 mg/L	0.00010	-0.0013 mg/L	0.00010	7.59%
	QC value within limits for Ba 233.527		Recovery = Not calculated				
Be	313.107†	179.2	-0.0001 mg/L	0.00003	-0.0001 mg/L	0.00003	45.54%
	QC value within limits for Be 313.107		Recovery = Not calculated				
Ca	315.887†	1003.9	-0.0068 mg/L	0.00823	-0.0068 mg/L	0.00823	121.43%
	QC value within limits for Ca 315.887		Recovery = Not calculated				
Cd	228.802†	4.3	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	35.13%
	QC value within limits for Cd 228.802		Recovery = Not calculated				
Co	228.616†	35.7	-0.0018 mg/L	0.00019	-0.0018 mg/L	0.00019	10.18%
	QC value less than the lower limit for Co 228.616		Recovery = Not calculated				
Cr	267.716†	-52.9	-0.0038 mg/L	0.00019	-0.0038 mg/L	0.00019	5.01%
	QC value within limits for Cr 267.716		Recovery = Not calculated				
Cu	324.752†	88.4	-0.0028 mg/L	0.00007	-0.0028 mg/L	0.00007	2.62%
	QC value within limits for Cu 324.752		Recovery = Not calculated				
Fe	234.349†	11.1	0.0280 mg/L	0.00272	0.0280 mg/L	0.00272	9.71%
	QC value greater than the upper limit for Fe 234.349		Recovery = Not calculated				
Fe	238.204†	1555.7	0.0014 mg/L	0.00018	0.0014 mg/L	0.00018	12.29%
	QC value within limits for Fe 238.204		Recovery = Not calculated				
K	766.490†	24.1	0.2102 mg/L	0.01027	0.2102 mg/L	0.01027	4.89%
	QC value greater than the upper limit for K 766.490		Recovery = Not calculated				
Li	670.784†	43.8	0.0019 mg/L	0.00063	0.0019 mg/L	0.00063	32.41%
	QC value within limits for Li 670.784		Recovery = Not calculated				
Mg	279.077†	63.1	-0.0322 mg/L	0.00107	-0.0322 mg/L	0.00107	3.33%
	QC value less than the lower limit for Mg 279.077		Recovery = Not calculated				
Mn	257.610†	-513.0	-0.0038 mg/L	0.00003	-0.0038 mg/L	0.00003	0.78%
	QC value less than the lower limit for Mn 257.610		Recovery = Not calculated				
Mo	202.031†	12.0	0.0004 mg/L	0.00042	0.0004 mg/L	0.00042	106.56%
	QC value within limits for Mo 202.031		Recovery = Not calculated				
Na	589.592†	88.6	0.1158 mg/L	0.00505	0.1158 mg/L	0.00505	4.36%
	QC value within limits for Na 589.592		Recovery = Not calculated				
Ni	231.604†	21.1	-0.0030 mg/L	0.00005	-0.0030 mg/L	0.00005	1.57%
	QC value less than the lower limit for Ni 231.604		Recovery = Not calculated				
P	214.914†	-50.0	-0.0019 mg/L	0.00088	-0.0019 mg/L	0.00088	47.65%
	QC value within limits for P 214.914		Recovery = Not calculated				
Pb	220.353†	-1.0	-0.0040 mg/L	0.00060	-0.0040 mg/L	0.00060	14.98%
	QC value within limits for Pb 220.353		Recovery = Not calculated				
Sb	206.836†	-9.6	-0.0093 mg/L	0.00170	-0.0093 mg/L	0.00170	18.34%
	QC value less than the lower limit for Sb 206.836		Recovery = Not calculated				
Se	196.026†	4.6	0.0029 mg/L	0.00349	0.0029 mg/L	0.00349	118.43%
	QC value within limits for Se 196.026		Recovery = Not calculated				
Sn	189.927†	11.1	-0.0001 mg/L	0.00045	-0.0001 mg/L	0.00045	413.29%
	QC value within limits for Sn 189.927		Recovery = Not calculated				
Sr	407.771†	42.2	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	3.00%
	QC value within limits for Sr 407.771		Recovery = Not calculated				
Ti	337.279†	1154.0	-0.0004 mg/L	0.00067	-0.0004 mg/L	0.00067	157.38%
	QC value within limits for Ti 337.279		Recovery = Not calculated				
Tl	190.801†	1.3	-0.0035 mg/L	0.00104	-0.0035 mg/L	0.00104	29.27%
	QC value within limits for Tl 190.801		Recovery = Not calculated				
V	292.402†	191.3	-0.0010 mg/L	0.00032	-0.0010 mg/L	0.00032	33.04%
	QC value within limits for V 292.402		Recovery = Not calculated				
Zn	213.857†	98.5	0.0000 mg/L	0.00010	0.0000 mg/L	0.00010	583.12%
	QC value within limits for Zn 213.857		Recovery = Not calculated				
QC Failed. Continue with analysis.							

Sequence No.: 111
Sample ID: CJ20518-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 99
Date Collected: 10/6/2012 11:33:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	850.8	699.2	0.4082 mg/L	0.4082 mg/L	23:35:11
1	Fe 234.349†	79949.0	66101.9	56.65 mg/L	56.65 mg/L	23:35:09
1	K 766.490†	30690.6	25204.1	13.75 mg/L	13.75 mg/L	23:35:11
1	Li 670.784†	1211.0	1176.6	0.0369 mg/L	0.0369 mg/L	23:35:11
1	Na 589.592†	11815.6	9617.7	1.674 mg/L	1.674 mg/L	23:35:11
1	Sr 407.771†	690859.9	571022.8	0.5995 mg/L	0.5995 mg/L	23:35:09
1	Y 371.029	2996153.3	2996153.3	1.21 mg/L		23:35:24
1	Ag 328.068†	29774.8	23231.5	0.2006 mg/L	0.2006 mg/L	23:35:24
1	Al 237.313†	375274.5	310377.7	40.07 mg/L	40.07 mg/L	23:35:24
1	As 188.979†	767.6	631.6	0.8128 mg/L	0.8128 mg/L	23:35:34
1	B 182.528†	262.5	214.4	0.4237 mg/L	0.4237 mg/L	23:35:34
1	Ba 233.527†	90742.2	75073.6	1.037 mg/L	1.037 mg/L	23:35:24
1	Be 313.107†	994432.3	822641.6	0.4912 mg/L	0.4912 mg/L	23:35:24
1	Ca 315.887†	4026907.4	3329008.2	31.35 mg/L	31.35 mg/L	23:35:20
1	Cd 228.802†	15551.3	12793.9	0.4498 mg/L	0.4498 mg/L	23:35:34
1	Co 228.616†	30281.4	25099.4	0.6257 mg/L	0.6257 mg/L	23:35:34
1	Cr 267.716†	61705.3	50605.1	0.5545 mg/L	0.5545 mg/L	23:35:24
1	Cu 324.752†	122320.8	99892.8	0.5600 mg/L	0.5600 mg/L	23:35:24
1	Fe 238.204†	7617034.8	6297064.8	53.21 mg/L	53.21 mg/L	23:35:20
1	Mg 279.077†	172689.7	142632.6	12.55 mg/L	12.55 mg/L	23:35:24
1	Mn 257.610†	1120039.8	924800.9	1.632 mg/L	1.632 mg/L	23:35:24
1	Mo 202.031†	6940.5	5710.8	0.2862 mg/L	0.2862 mg/L	23:35:34
1	Ni 231.604†	12217.8	10119.6	0.3553 mg/L	0.3553 mg/L	23:35:34
1	P 214.914†	5004.3	3794.5	2.407 mg/L	2.407 mg/L	23:35:34
1	Pb 220.353†	5063.2	4127.8	0.3393 mg/L	0.3393 mg/L	23:35:34
1	Sb 206.836†	826.4	646.4	0.5185 mg/L	0.5185 mg/L	23:35:34
1	Se 196.026†	728.3	602.0	0.6065 mg/L	0.6065 mg/L	23:35:34
1	Sn 189.927†	3724.5	3076.3	0.8585 mg/L	0.8585 mg/L	23:35:34
1	Ti 337.279†	853625.7	706176.0	0.9972 mg/L	0.9972 mg/L	23:35:24
1	Tl 190.801†	1662.2	1372.2	0.9173 mg/L	0.9173 mg/L	23:35:34
1	V 292.402†	79981.1	66805.7	0.4104 mg/L	0.4104 mg/L	23:35:24
1	Zn 213.857†	151520.7	124465.3	1.334 mg/L	1.334 mg/L	23:35:24
2	B 249.677†	834.6	687.3	0.4013 mg/L	0.4013 mg/L	23:35:15
2	Fe 234.349†	79651.4	65995.2	56.56 mg/L	56.56 mg/L	23:35:13
2	K 766.490†	30680.3	25249.2	13.78 mg/L	13.78 mg/L	23:35:15
2	Li 670.784†	1244.9	1206.9	0.0379 mg/L	0.0379 mg/L	23:35:15
2	Na 589.592†	11696.7	9539.9	1.662 mg/L	1.662 mg/L	23:35:15
2	Sr 407.771†	689463.1	571073.6	0.5995 mg/L	0.5995 mg/L	23:35:13
2	Y 371.029	2989829.7	2989829.7	1.21 mg/L		23:35:41
2	Ag 328.068†	29630.3	23163.8	0.2000 mg/L	0.2000 mg/L	23:35:41
2	Al 237.313†	372798.5	308982.6	39.89 mg/L	39.89 mg/L	23:35:41
2	As 188.979†	782.0	644.9	0.8293 mg/L	0.8293 mg/L	23:35:51
2	B 182.528†	266.3	218.0	0.4308 mg/L	0.4308 mg/L	23:35:51
2	Ba 233.527†	89919.3	74550.5	1.030 mg/L	1.030 mg/L	23:35:41
2	Be 313.107†	985837.2	817259.5	0.4880 mg/L	0.4880 mg/L	23:35:41
2	Ca 315.887†	4064424.4	3367131.5	31.71 mg/L	31.71 mg/L	23:35:37
2	Cd 228.802†	15572.3	12838.5	0.4513 mg/L	0.4513 mg/L	23:35:51
2	Co 228.616†	30289.4	25158.9	0.6272 mg/L	0.6272 mg/L	23:35:51
2	Cr 267.716†	61337.2	50408.1	0.5523 mg/L	0.5523 mg/L	23:35:41
2	Cu 324.752†	121622.2	99528.0	0.5579 mg/L	0.5579 mg/L	23:35:41
2	Fe 238.204†	7700492.8	6379526.6	53.91 mg/L	53.91 mg/L	23:35:37
2	Mg 279.077†	171948.6	142320.6	12.52 mg/L	12.52 mg/L	23:35:41
2	Mn 257.610†	1113431.5	921284.4	1.626 mg/L	1.626 mg/L	23:35:41
2	Mo 202.031†	6939.0	5721.7	0.2868 mg/L	0.2868 mg/L	23:35:51
2	Ni 231.604†	12200.3	10126.5	0.3556 mg/L	0.3556 mg/L	23:35:51
2	P 214.914†	4997.2	3797.4	2.408 mg/L	2.408 mg/L	23:35:51
2	Pb 220.353†	5114.2	4178.9	0.3437 mg/L	0.3437 mg/L	23:35:51
2	Sb 206.836†	826.0	647.5	0.5194 mg/L	0.5194 mg/L	23:35:51
2	Se 196.026†	744.8	617.0	0.6209 mg/L	0.6209 mg/L	23:35:51
2	Sn 189.927†	3714.3	3074.3	0.8578 mg/L	0.8578 mg/L	23:35:51
2	Ti 337.279†	847194.3	702340.4	0.9918 mg/L	0.9918 mg/L	23:35:41
2	Tl 190.801†	1661.3	1374.4	0.9188 mg/L	0.9188 mg/L	23:35:51
2	V 292.402†	79484.7	66534.3	0.4087 mg/L	0.4087 mg/L	23:35:41
2	Zn 213.857†	150502.6	123886.9	1.328 mg/L	1.328 mg/L	23:35:41

Mean Data: CJ20518-BS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2992991.5	1.21 mg/L	0.002			0.15%
Ag 328.068†	23197.6	0.2003 mg/L	0.00041	0.2003 mg/L	0.00041	0.21%
Al 237.313†	309680.1	39.98 mg/L	0.127	39.98 mg/L	0.127	0.32%
As 188.979†	638.3	0.8211 mg/L	0.01167	0.8211 mg/L	0.01167	1.42%

B 182.528†	216.2	0.4272 mg/L	0.00503	0.4272 mg/L	0.00503	1.18%
B 249.677†	693.3	0.4047 mg/L	0.00490	0.4047 mg/L	0.00490	1.21%
Ba 233.527†	74812.1	1.033 mg/L	0.0051	1.033 mg/L	0.0051	0.50%
Be 313.107†	819950.6	0.4896 mg/L	0.00227	0.4896 mg/L	0.00227	0.46%
Ca 315.887†	3348069.9	31.53 mg/L	0.254	31.53 mg/L	0.254	0.81%
Cd 228.802†	12816.2	0.4505 mg/L	0.00107	0.4505 mg/L	0.00107	0.24%
Co 228.616†	25129.2	0.6264 mg/L	0.00106	0.6264 mg/L	0.00106	0.17%
Cr 267.716†	50506.6	0.5534 mg/L	0.00153	0.5534 mg/L	0.00153	0.28%
Cu 324.752†	99710.4	0.5589 mg/L	0.00146	0.5589 mg/L	0.00146	0.26%
Fe 234.349†	66048.5	56.60 mg/L	0.065	56.60 mg/L	0.065	0.11%
Fe 238.204†	6338295.7	53.56 mg/L	0.493	53.56 mg/L	0.493	0.92%
K 766.490†	25226.6	13.77 mg/L	0.017	13.77 mg/L	0.017	0.12%
Li 670.784†	1191.8	0.0374 mg/L	0.00066	0.0374 mg/L	0.00066	1.77%
Mg 279.077†	142476.6	12.53 mg/L	0.019	12.53 mg/L	0.019	0.16%
Mn 257.610†	923042.7	1.629 mg/L	0.0044	1.629 mg/L	0.0044	0.27%
Mo 202.031†	5716.2	0.2865 mg/L	0.00043	0.2865 mg/L	0.00043	0.15%
Na 589.592†	9578.8	1.668 mg/L	0.0090	1.668 mg/L	0.0090	0.54%
Ni 231.604†	10123.1	0.3554 mg/L	0.00017	0.3554 mg/L	0.00017	0.05%
P 214.914†	3795.9	2.407 mg/L	0.0011	2.407 mg/L	0.0011	0.04%
Pb 220.353†	4153.3	0.3415 mg/L	0.00316	0.3415 mg/L	0.00316	0.93%
Sb 206.836†	647.0	0.5190 mg/L	0.00065	0.5190 mg/L	0.00065	0.12%
Se 196.026†	609.5	0.6137 mg/L	0.01024	0.6137 mg/L	0.01024	1.67%
Sn 189.927†	3075.3	0.8581 mg/L	0.00050	0.8581 mg/L	0.00050	0.06%
Sr 407.771†	571048.2	0.5995 mg/L	0.00004	0.5995 mg/L	0.00004	0.01%
Ti 337.279†	704258.2	0.9945 mg/L	0.00384	0.9945 mg/L	0.00384	0.39%
Tl 190.801†	1373.3	0.9180 mg/L	0.00112	0.9180 mg/L	0.00112	0.12%
V 292.402†	66670.0	0.4095 mg/L	0.00119	0.4095 mg/L	0.00119	0.29%
Zn 213.857†	124176.1	1.331 mg/L	0.0044	1.331 mg/L	0.0044	0.33%

Sequence No.: 112

Sample ID: CJ20518-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 100

Date Collected: 10/6/2012 11:37:29 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	843.3	697.0	0.4068	mg/L	0.4068	mg/L	23:39:12
1	Fe 234.349†	83020.5	69033.1	59.16	mg/L	59.16	mg/L	23:39:10
1	K 766.490†	31549.1	26062.8	14.22	mg/L	14.22	mg/L	23:39:12
1	Li 670.784†	1241.6	1207.8	0.0379	mg/L	0.0379	mg/L	23:39:12
1	Na 589.592†	12055.3	9872.8	1.716	mg/L	1.716	mg/L	23:39:12
1	Sr 407.771†	715391.4	594681.3	0.6243	mg/L	0.6243	mg/L	23:39:10
1	Y 371.029	2979139.9	2979139.9	1.20	mg/L			23:39:22
1	Ag 328.068†	31141.7	24508.6	0.2116	mg/L	0.2116	mg/L	23:39:25
1	Al 237.313†	390242.1	324594.3	41.90	mg/L	41.90	mg/L	23:39:25
1	As 188.979†	836.5	692.5	0.8898	mg/L	0.8898	mg/L	23:39:35
1	B 182.528†	283.7	233.2	0.4605	mg/L	0.4605	mg/L	23:39:35
1	Ba 233.527†	95293.0	79285.8	1.095	mg/L	1.095	mg/L	23:39:25
1	Be 313.107†	1040251.9	865433.3	0.5168	mg/L	0.5168	mg/L	23:39:22
1	Ca 315.887†	4429581.4	3682823.8	34.68	mg/L	34.68	mg/L	23:39:22
1	Cd 228.802†	16599.1	13738.5	0.4829	mg/L	0.4829	mg/L	23:39:35
1	Co 228.616†	31744.6	26458.9	0.6600	mg/L	0.6600	mg/L	23:39:35
1	Cr 267.716†	65169.6	53776.9	0.5894	mg/L	0.5894	mg/L	23:39:25
1	Cu 324.752†	128113.6	105286.8	0.5903	mg/L	0.5903	mg/L	23:39:25
1	Fe 238.204†	8091759.0	6727736.5	56.85	mg/L	56.85	mg/L	23:39:22
1	Mg 279.077†	183814.5	152697.7	13.44	mg/L	13.44	mg/L	23:39:25
1	Mn 257.610†	1207959.2	1003189.5	1.771	mg/L	1.771	mg/L	23:39:22
1	Mo 202.031†	7288.9	6033.2	0.3026	mg/L	0.3026	mg/L	23:39:35
1	Ni 231.604†	12791.4	10654.2	0.3743	mg/L	0.3743	mg/L	23:39:35
1	P 214.914†	5983.8	4632.6	2.910	mg/L	2.910	mg/L	23:39:35
1	Pb 220.353†	5363.4	4401.2	0.3623	mg/L	0.3623	mg/L	23:39:35
1	Sb 206.836†	886.1	699.9	0.5625	mg/L	0.5625	mg/L	23:39:35
1	Se 196.026†	797.3	662.8	0.6665	mg/L	0.6665	mg/L	23:39:35
1	Sn 189.927†	4065.8	3377.7	0.9340	mg/L	0.9340	mg/L	23:39:35
1	Ti 337.279†	781846.8	650525.7	0.9185	mg/L	0.9185	mg/L	23:39:22
1	Tl 190.801†	1729.9	1436.3	0.9606	mg/L	0.9606	mg/L	23:39:35
1	V 292.402†	85265.2	71576.9	0.4402	mg/L	0.4402	mg/L	23:39:25
1	Zn 213.857†	156677.1	129468.1	1.388	mg/L	1.388	mg/L	23:39:25
2	B 249.677†	873.0	717.7	0.4189	mg/L	0.4189	mg/L	23:39:17

2	Fe 234.349†	83786.8	69285.5	59.37 mg/L	59.37 mg/L	23:39:15
2	K 766.490†	31593.8	25954.9	14.16 mg/L	14.16 mg/L	23:39:17
2	Li 670.784†	1255.2	1213.4	0.0381 mg/L	0.0381 mg/L	23:39:17
2	Na 589.592†	11995.5	9768.0	1.699 mg/L	1.699 mg/L	23:39:17
2	Sr 407.771†	721618.5	596544.5	0.6263 mg/L	0.6263 mg/L	23:39:15
2	Y 371.029	2995687.9	2995687.9	1.21 mg/L		23:39:39
2	Ag 328.068†	31302.9	24498.8	0.2116 mg/L	0.2116 mg/L	23:39:41
2	Al 237.313†	391410.8	323768.3	41.80 mg/L	41.80 mg/L	23:39:41
2	As 188.979†	823.9	678.2	0.8720 mg/L	0.8720 mg/L	23:39:51
2	B 182.528†	276.3	225.8	0.4461 mg/L	0.4461 mg/L	23:39:51
2	Ba 233.527†	95614.8	79114.2	1.093 mg/L	1.093 mg/L	23:39:41
2	Be 313.107†	1042919.9	862861.6	0.5153 mg/L	0.5153 mg/L	23:39:39
2	Ca 315.887†	4447201.7	3677048.8	34.62 mg/L	34.62 mg/L	23:39:39
2	Cd 228.802†	16459.5	13546.8	0.4762 mg/L	0.4762 mg/L	23:39:51
2	Co 228.616†	31428.8	26052.0	0.6498 mg/L	0.6498 mg/L	23:39:51
2	Cr 267.716†	65575.9	53813.5	0.5898 mg/L	0.5898 mg/L	23:39:41
2	Cu 324.752†	128385.0	104922.8	0.5882 mg/L	0.5882 mg/L	23:39:41
2	Fe 238.204†	8123075.7	6716466.5	56.76 mg/L	56.76 mg/L	23:39:39
2	Mg 279.077†	184742.0	152620.4	13.43 mg/L	13.43 mg/L	23:39:41
2	Mn 257.610†	1212473.6	1001374.2	1.768 mg/L	1.768 mg/L	23:39:39
2	Mo 202.031†	7251.3	5968.7	0.2991 mg/L	0.2991 mg/L	23:39:51
2	Ni 231.604†	12646.7	10475.8	0.3680 mg/L	0.3680 mg/L	23:39:51
2	P 214.914†	5916.7	4549.5	2.862 mg/L	2.862 mg/L	23:39:51
2	Pb 220.353†	5301.1	4325.1	0.3557 mg/L	0.3557 mg/L	23:39:51
2	Sb 206.836†	867.2	680.2	0.5458 mg/L	0.5458 mg/L	23:39:51
2	Se 196.026†	788.9	652.2	0.6563 mg/L	0.6563 mg/L	23:39:51
2	Sn 189.927†	4017.1	3318.7	0.9213 mg/L	0.9213 mg/L	23:39:51
2	Ti 337.279†	782668.3	647614.1	0.9143 mg/L	0.9143 mg/L	23:39:39
2	Tl 190.801†	1728.5	1427.2	0.9541 mg/L	0.9541 mg/L	23:39:51
2	V 292.402†	85385.6	71284.8	0.4383 mg/L	0.4383 mg/L	23:39:41
2	Zn 213.857†	157389.8	129337.7	1.386 mg/L	1.386 mg/L	23:39:41

Mean Data: CJ20518-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2987413.9	1.21	mg/L	0.005				0.39%
Ag 328.068†	24503.7	0.2116	mg/L	0.00005	0.2116	mg/L	0.00005	0.02%
Al 237.313†	324181.3	41.85	mg/L	0.075	41.85	mg/L	0.075	0.18%
As 188.979†	685.4	0.8809	mg/L	0.01253	0.8809	mg/L	0.01253	1.42%
B 182.528†	229.5	0.4533	mg/L	0.01020	0.4533	mg/L	0.01020	2.25%
B 249.677†	707.4	0.4129	mg/L	0.00855	0.4129	mg/L	0.00855	2.07%
Ba 233.527†	79200.0	1.094	mg/L	0.0017	1.094	mg/L	0.0017	0.15%
Be 313.107†	864147.5	0.5160	mg/L	0.00109	0.5160	mg/L	0.00109	0.21%
Ca 315.887†	3679936.3	34.65	mg/L	0.038	34.65	mg/L	0.038	0.11%
Cd 228.802†	13642.6	0.4795	mg/L	0.00475	0.4795	mg/L	0.00475	0.99%
Co 228.616†	26255.5	0.6549	mg/L	0.00722	0.6549	mg/L	0.00722	1.10%
Cr 267.716†	53795.2	0.5896	mg/L	0.00028	0.5896	mg/L	0.00028	0.05%
Cu 324.752†	105104.8	0.5892	mg/L	0.00145	0.5892	mg/L	0.00145	0.25%
Fe 234.349†	69159.3	59.27	mg/L	0.153	59.27	mg/L	0.153	0.26%
Fe 238.204†	6722101.5	56.80	mg/L	0.067	56.80	mg/L	0.067	0.12%
K 766.490†	26008.8	14.19	mg/L	0.041	14.19	mg/L	0.041	0.29%
Li 670.784†	1210.6	0.0380	mg/L	0.00012	0.0380	mg/L	0.00012	0.32%
Mg 279.077†	152659.0	13.43	mg/L	0.005	13.43	mg/L	0.005	0.04%
Mn 257.610†	1002281.9	1.769	mg/L	0.0023	1.769	mg/L	0.0023	0.13%
Mo 202.031†	6000.9	0.3008	mg/L	0.00248	0.3008	mg/L	0.00248	0.82%
Na 589.592†	9820.4	1.708	mg/L	0.0121	1.708	mg/L	0.0121	0.71%
Ni 231.604†	10565.0	0.3711	mg/L	0.00447	0.3711	mg/L	0.00447	1.21%
P 214.914†	4591.0	2.886	mg/L	0.0345	2.886	mg/L	0.0345	1.20%
Pb 220.353†	4363.2	0.3590	mg/L	0.00462	0.3590	mg/L	0.00462	1.29%
Sb 206.836†	690.1	0.5541	mg/L	0.01178	0.5541	mg/L	0.01178	2.13%
Se 196.026†	657.5	0.6614	mg/L	0.00720	0.6614	mg/L	0.00720	1.09%
Sn 189.927†	3348.2	0.9276	mg/L	0.00897	0.9276	mg/L	0.00897	0.97%
Sr 407.771†	595612.9	0.6253	mg/L	0.00138	0.6253	mg/L	0.00138	0.22%
Ti 337.279†	649069.9	0.9164	mg/L	0.00291	0.9164	mg/L	0.00291	0.32%
Tl 190.801†	1431.8	0.9574	mg/L	0.00455	0.9574	mg/L	0.00455	0.48%
V 292.402†	71430.8	0.4392	mg/L	0.00134	0.4392	mg/L	0.00134	0.30%
Zn 213.857†	129402.9	1.387	mg/L	0.0010	1.387	mg/L	0.0010	0.07%

Sequence No.: 113
Sample ID: 1210127-01
Analyst:

Autosampler Location: 101
Date Collected: 10/6/2012 11:41:30 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	138.4	109.7	0.0663	mg/L	0.0663	mg/L	23:43:16
1	Fe 234.349†	233097.6	191776.2	164.3	mg/L	164.3	mg/L	23:43:14
1	K 766.490†	19080.8	15529.1	8.550	mg/L	8.550	mg/L	23:43:16
1	Li 670.784†	4602.9	3962.3	0.1230	mg/L	0.1230	mg/L	23:43:16
1	Na 589.592†	18042.7	14693.2	2.505	mg/L	2.505	mg/L	23:43:16
1	Sr 407.771†	1080451.4	888761.1	0.9328	mg/L	0.9328	mg/L	23:43:14
1	Y 371.029	3010809.2	3010809.2	1.22	mg/L			23:43:31
1	Ag 328.068†	178303.7	145307.1	1.247	mg/L	1.247	mg/L	23:43:33
1	Al 237.313†	711172.2	585212.0	75.55	mg/L	75.55	mg/L	23:43:31
1	As 188.979†	95.8	75.8	0.1648	mg/L	0.1648	mg/L	23:43:43
1	B 182.528†	36.2	27.2	0.0584	mg/L	0.0584	mg/L	23:43:43
1	Ba 233.527†	138763.1	114215.4	1.579	mg/L	1.579	mg/L	23:43:33
1	Be 313.107†	11330.1	9837.2	0.0058	mg/L	0.0058	mg/L	23:43:33
1	Ca 315.887†	8885781.2	7310219.5	68.85	mg/L	68.85	mg/L	23:43:28
1	Cd 228.802†	664.7	484.1	0.0167	mg/L	0.0167	mg/L	23:43:43
1	Co 228.616†	3349.5	2820.5	0.0607	mg/L	0.0607	mg/L	23:43:43
1	Cr 267.716†	48065.3	39135.2	0.4278	mg/L	0.4278	mg/L	23:43:33
1	Cu 324.752†	5215608.2	4289670.5	24.15	mg/L	24.15	mg/L	23:43:28
1	Fe 238.204†	18962545.0	15600412.5	131.8	mg/L	131.8	mg/L	23:43:28
1	Mg 279.077†	250220.5	205722.6	18.11	mg/L	18.11	mg/L	23:43:31
1	Mn 257.610†	1286762.7	1057457.1	1.867	mg/L	1.867	mg/L	23:43:31
1	Mo 202.031†	500.8	384.9	-0.0477	mg/L	-0.0477	mg/L	23:43:33
1	Ni 231.604†	62298.7	51272.2	1.813	mg/L	1.813	mg/L	23:43:33
1	P 214.914†	16809.4	13486.4	7.985	mg/L	7.985	mg/L	23:43:33
1	Pb 220.353†	113274.9	93133.7	7.987	mg/L	7.987	mg/L	23:43:33
1	Sb 206.836†	98.7	44.4	-0.0366	mg/L	-0.0366	mg/L	23:43:43
1	Se 196.026†	-49.1	-40.5	0.0293	mg/L	0.0293	mg/L	23:43:43
1	Sn 189.927†	2311.5	1898.8	0.9072	mg/L	0.9072	mg/L	23:43:43
1	Ti 337.279†	3242023.6	2667686.2	3.773	mg/L	3.773	mg/L	23:43:31
1	Tl 190.801†	20.4	14.8	-0.0935	mg/L	-0.0935	mg/L	23:43:43
1	V 292.402†	49311.6	41252.0	0.2248	mg/L	0.2248	mg/L	23:43:33
1	Zn 213.857†	907933.8	746160.0	7.967	mg/L	7.967	mg/L	23:43:31
2	B 249.677†	126.0	99.1	0.0602	mg/L	0.0602	mg/L	23:43:20
2	Fe 234.349†	234738.5	192425.9	164.9	mg/L	164.9	mg/L	23:43:18
2	K 766.490†	18931.2	15349.6	8.453	mg/L	8.453	mg/L	23:43:20
2	Li 670.784†	4526.1	3885.6	0.1206	mg/L	0.1206	mg/L	23:43:20
2	Na 589.592†	17694.1	14353.7	2.449	mg/L	2.449	mg/L	23:43:20
2	Sr 407.771†	1088643.2	892253.0	0.9365	mg/L	0.9365	mg/L	23:43:18
2	Y 371.029	3021766.3	3021766.3	1.22	mg/L			23:43:51
2	Ag 328.068†	175807.4	142728.9	1.226	mg/L	1.226	mg/L	23:43:54
2	Al 237.313†	716783.6	587690.2	75.87	mg/L	75.87	mg/L	23:43:51
2	As 188.979†	91.3	71.8	0.1601	mg/L	0.1601	mg/L	23:44:04
2	B 182.528†	38.9	29.2	0.0624	mg/L	0.0624	mg/L	23:44:04
2	Ba 233.527†	136544.4	111982.7	1.548	mg/L	1.548	mg/L	23:43:54
2	Be 313.107†	11489.1	9933.7	0.0058	mg/L	0.0058	mg/L	23:43:54
2	Ca 315.887†	8804204.8	7216841.9	67.97	mg/L	67.97	mg/L	23:43:49
2	Cd 228.802†	681.7	496.0	0.0171	mg/L	0.0171	mg/L	23:44:04
2	Co 228.616†	3380.3	2835.8	0.0610	mg/L	0.0610	mg/L	23:44:04
2	Cr 267.716†	47389.6	38437.9	0.4201	mg/L	0.4201	mg/L	23:43:54
2	Cu 324.752†	5178645.0	4243812.1	23.90	mg/L	23.90	mg/L	23:43:49
2	Fe 238.204†	18801906.8	15412165.7	130.3	mg/L	130.3	mg/L	23:43:49
2	Mg 279.077†	251686.6	206178.0	18.15	mg/L	18.15	mg/L	23:43:51
2	Mn 257.610†	1297255.3	1062219.5	1.875	mg/L	1.875	mg/L	23:43:51
2	Mo 202.031†	549.3	423.2	-0.0456	mg/L	-0.0456	mg/L	23:43:54
2	Ni 231.604†	61251.5	50227.9	1.776	mg/L	1.776	mg/L	23:43:54
2	P 214.914†	16393.5	13095.4	7.758	mg/L	7.758	mg/L	23:43:54
2	Pb 220.353†	111432.8	91285.7	7.827	mg/L	7.827	mg/L	23:43:54
2	Sb 206.836†	88.9	36.1	-0.0438	mg/L	-0.0438	mg/L	23:44:04
2	Se 196.026†	-38.7	-31.8	0.0379	mg/L	0.0379	mg/L	23:44:04
2	Sn 189.927†	2319.0	1898.0	0.9086	mg/L	0.9086	mg/L	23:44:04
2	Ti 337.279†	3270060.4	2680997.1	3.792	mg/L	3.792	mg/L	23:43:51
2	Tl 190.801†	26.8	19.9	-0.0902	mg/L	-0.0902	mg/L	23:44:04
2	V 292.402†	48480.1	40423.2	0.2195	mg/L	0.2195	mg/L	23:43:54
2	Zn 213.857†	914994.4	749239.2	8.001	mg/L	8.001	mg/L	23:43:51

Mean Data: 1210127-01

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3016287.7	1.22	mg/L	0.003				0.26%
Ag 328.068†	144018.0	1.236	mg/L	0.0155	1.236	mg/L	0.0155	1.25%
Al 237.313†	586451.1	75.71	mg/L	0.226	75.71	mg/L	0.226	0.30%
As 188.979†	73.8	0.1624	mg/L	0.00332	0.1624	mg/L	0.00332	2.04%
B 182.528†	28.2	0.0604	mg/L	0.00286	0.0604	mg/L	0.00286	4.73%
B 249.677†	104.4	0.0633	mg/L	0.00436	0.0633	mg/L	0.00436	6.89%
Ba 233.527†	113099.1	1.563	mg/L	0.0218	1.563	mg/L	0.0218	1.40%
Be 313.107†	9885.4	0.0058	mg/L	0.00004	0.0058	mg/L	0.00004	0.70%
Ca 315.887†	7263530.7	68.41	mg/L	0.622	68.41	mg/L	0.622	0.91%
Cd 228.802†	490.0	0.0169	mg/L	0.00031	0.0169	mg/L	0.00031	1.86%
Co 228.616†	2828.2	0.0609	mg/L	0.00025	0.0609	mg/L	0.00025	0.40%
Cr 267.716†	38786.5	0.4240	mg/L	0.00543	0.4240	mg/L	0.00543	1.28%
Cu 324.752†	4266741.3	24.03	mg/L	0.183	24.03	mg/L	0.183	0.76%
Fe 234.349†	192101.0	164.6	mg/L	0.39	164.6	mg/L	0.39	0.24%
Fe 238.204†	15506289.1	131.0	mg/L	1.13	131.0	mg/L	1.13	0.86%
K 766.490†	15439.4	8.502	mg/L	0.0683	8.502	mg/L	0.0683	0.80%
Li 670.784†	3923.9	0.1218	mg/L	0.00167	0.1218	mg/L	0.00167	1.37%
Mg 279.077†	205950.3	18.13	mg/L	0.028	18.13	mg/L	0.028	0.16%
Mn 257.610†	1059838.3	1.871	mg/L	0.0060	1.871	mg/L	0.0060	0.32%
Mo 202.031†	404.0	-0.0466	mg/L	0.00145	-0.0466	mg/L	0.00145	3.11%
Na 589.592†	14523.4	2.477	mg/L	0.0393	2.477	mg/L	0.0393	1.59%
Ni 231.604†	50750.1	1.795	mg/L	0.0262	1.795	mg/L	0.0262	1.46%
P 214.914†	13290.9	7.872	mg/L	0.1602	7.872	mg/L	0.1602	2.03%
Pb 220.353†	92209.7	7.907	mg/L	0.1127	7.907	mg/L	0.1127	1.43%
Sb 206.836†	40.2	-0.0402	mg/L	0.00512	-0.0402	mg/L	0.00512	12.75%
Se 196.026†	-36.1	0.0336	mg/L	0.00610	0.0336	mg/L	0.00610	18.16%
Sn 189.927†	1898.4	0.9079	mg/L	0.00103	0.9079	mg/L	0.00103	0.11%
Sr 407.771†	890507.1	0.9346	mg/L	0.00259	0.9346	mg/L	0.00259	0.28%
Ti 337.279†	2674341.6	3.782	mg/L	0.0133	3.782	mg/L	0.0133	0.35%
Tl 190.801†	17.4	-0.0919	mg/L	0.00233	-0.0919	mg/L	0.00233	2.53%
V 292.402†	40837.6	0.2221	mg/L	0.00378	0.2221	mg/L	0.00378	1.70%
Zn 213.857†	747699.6	7.984	mg/L	0.0239	7.984	mg/L	0.0239	0.30%

Sequence No.: 114

Sample ID: 1210127-02

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 102

Date Collected: 10/6/2012 11:45:43 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-02

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time
		Intensity	Corrected Intensity		Conc. Units	Conc. Units	
1	B 249.677†	10.5	4.2	0.0049 mg/L	0.0049 mg/L	23:47:25	
1	Fe 234.349†	170973.6	135358.9	116.0 mg/L	116.0 mg/L	23:47:23	
1	K 766.490†	18758.4	14681.6	8.094 mg/L	8.094 mg/L	23:47:25	
1	Li 670.784†	3395.6	2863.6	0.0890 mg/L	0.0890 mg/L	23:47:25	
1	Na 589.592†	4956.3	3773.1	0.7185 mg/L	0.7185 mg/L	23:47:25	
1	Sr 407.771†	85612.1	67644.7	0.0714 mg/L	0.0714 mg/L	23:47:23	
1	Y 371.029	3128873.6	3128873.6	1.26 mg/L		23:47:37	
1	Ag 328.068†	6306.7	3608.5	0.0381 mg/L	0.0381 mg/L	23:47:39	
1	Al 237.313†	638010.6	505215.4	65.22 mg/L	65.22 mg/L	23:47:37	
1	As 188.979†	63.8	47.5	0.1094 mg/L	0.1094 mg/L	23:47:50	
1	B 182.528†	16.7	10.6	0.0260 mg/L	0.0260 mg/L	23:47:50	
1	Ba 233.527†	19831.3	15754.1	0.2160 mg/L	0.2160 mg/L	23:47:39	
1	Be 313.107†	6015.0	5277.7	0.0030 mg/L	0.0030 mg/L	23:47:39	
1	Ca 315.887†	1593731.3	1261542.5	11.87 mg/L	11.87 mg/L	23:47:37	
1	Cd 228.802†	134.2	43.4	0.0012 mg/L	0.0012 mg/L	23:47:50	
1	Co 228.616†	2497.0	2041.7	0.0411 mg/L	0.0411 mg/L	23:47:50	
1	Cr 267.716†	9723.3	7289.2	0.0771 mg/L	0.0771 mg/L	23:47:39	
1	Cu 324.752†	134647.9	105362.2	0.5930 mg/L	0.5930 mg/L	23:47:39	
1	Fe 238.204†	15643738.8	12384375.2	104.7 mg/L	104.7 mg/L	23:47:35	
1	Mg 279.077†	261594.8	206959.4	18.22 mg/L	18.22 mg/L	23:47:39	
1	Mn 257.610†	852882.9	674025.6	1.189 mg/L	1.189 mg/L	23:47:37	
1	Mo 202.031†	255.5	175.1	-0.0274 mg/L	-0.0274 mg/L	23:47:50	
1	Ni 231.604†	3333.2	2657.6	0.0904 mg/L	0.0904 mg/L	23:47:50	
1	P 214.914†	8315.7	6240.5	4.003 mg/L	4.003 mg/L	23:47:50	
1	Pb 220.353†	7175.9	5622.7	0.4623 mg/L	0.4623 mg/L	23:47:50	
1	Sb 206.836†	66.7	16.0	-0.0391 mg/L	-0.0391 mg/L	23:47:50	

1	Se 196.026†	-36.0	-28.5	0.0202 mg/L	0.0202 mg/L	23:47:50
1	Sn 189.927†	-26.2	-23.6	0.3312 mg/L	0.3312 mg/L	23:47:50
1	Ti 337.279†	3386355.7	2681303.5	3.792 mg/L	3.792 mg/L	23:47:37
1	Tl 190.801†	9.1	5.2	-0.0724 mg/L	-0.0724 mg/L	23:47:50
1	V 292.402†	25336.9	20741.3	0.1033 mg/L	0.1033 mg/L	23:47:39
1	Zn 213.857†	69515.0	54231.1	0.5804 mg/L	0.5804 mg/L	23:47:39
2	B 249.677†	9.1	3.1	0.0043 mg/L	0.0043 mg/L	23:47:30
2	Fe 234.349†	168471.4	135352.9	116.0 mg/L	116.0 mg/L	23:47:28
2	K 766.490†	18724.0	14873.8	8.197 mg/L	8.197 mg/L	23:47:30
2	Li 670.784†	3312.6	2836.8	0.0882 mg/L	0.0882 mg/L	23:47:30
2	Na 589.592†	4940.2	3818.3	0.7259 mg/L	0.7259 mg/L	23:47:30
2	Sr 407.771†	84428.1	67697.2	0.0715 mg/L	0.0715 mg/L	23:47:28
2	Y 371.029	3083218.0	3083218.0	1.24 mg/L		23:47:55
2	Ag 328.068†	6342.8	3711.5	0.0390 mg/L	0.0390 mg/L	23:47:57
2	Al 237.313†	630154.6	506383.2	65.37 mg/L	65.37 mg/L	23:47:55
2	As 188.979†	57.6	43.3	0.1041 mg/L	0.1041 mg/L	23:48:08
2	B 182.528†	18.5	12.2	0.0292 mg/L	0.0292 mg/L	23:48:08
2	Ba 233.527†	20057.8	16168.5	0.2218 mg/L	0.2218 mg/L	23:47:57
2	Be 313.107†	6052.3	5378.1	0.0031 mg/L	0.0031 mg/L	23:47:57
2	Ca 315.887†	1569323.0	1260616.2	11.86 mg/L	11.86 mg/L	23:47:55
2	Cd 228.802†	137.0	47.2	0.0014 mg/L	0.0014 mg/L	23:48:08
2	Co 228.616†	2490.2	2065.5	0.0417 mg/L	0.0417 mg/L	23:48:08
2	Cr 267.716†	9803.1	7467.3	0.0790 mg/L	0.0790 mg/L	23:47:57
2	Cu 324.752†	134325.3	106681.5	0.6004 mg/L	0.6004 mg/L	23:47:57
2	Fe 238.204†	15356021.8	12336615.6	104.3 mg/L	104.3 mg/L	23:47:53
2	Mg 279.077†	263609.7	211644.8	18.63 mg/L	18.63 mg/L	23:47:57
2	Mn 257.610†	841958.2	675247.0	1.191 mg/L	1.191 mg/L	23:47:55
2	Mo 202.031†	254.5	177.4	-0.0273 mg/L	-0.0273 mg/L	23:48:08
2	Ni 231.604†	3287.1	2659.6	0.0905 mg/L	0.0905 mg/L	23:48:08
2	P 214.914†	8241.4	6278.3	4.025 mg/L	4.025 mg/L	23:48:08
2	Pb 220.353†	7144.3	5681.5	0.4673 mg/L	0.4673 mg/L	23:48:08
2	Sb 206.836†	71.4	20.5	-0.0353 mg/L	-0.0353 mg/L	23:48:08
2	Se 196.026†	-31.4	-25.3	0.0234 mg/L	0.0234 mg/L	23:48:08
2	Sn 189.927†	-20.6	-19.4	0.3321 mg/L	0.3321 mg/L	23:48:08
2	Ti 337.279†	3349957.0	2691758.8	3.807 mg/L	3.807 mg/L	23:47:55
2	Tl 190.801†	8.7	5.0	-0.0726 mg/L	-0.0726 mg/L	23:48:08
2	V 292.402†	25492.1	21163.0	0.1059 mg/L	0.1059 mg/L	23:47:57
2	Zn 213.857†	69917.9	55369.7	0.5926 mg/L	0.5926 mg/L	23:47:57

Mean Data: 1210127-02

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3106045.8	1.25	mg/L	0.013				1.04%
Ag 328.068†	3660.0	0.0386	mg/L	0.00062	0.0386	mg/L	0.00062	1.61%
Al 237.313†	505799.3	65.29	mg/L	0.107	65.29	mg/L	0.107	0.16%
As 188.979†	45.4	0.1068	mg/L	0.00374	0.1068	mg/L	0.00374	3.51%
B 182.528†	11.4	0.0276	mg/L	0.00223	0.0276	mg/L	0.00223	8.09%
B 249.677†	3.7	0.0046	mg/L	0.00043	0.0046	mg/L	0.00043	9.36%
Ba 233.527†	15961.3	0.2189	mg/L	0.00405	0.2189	mg/L	0.00405	1.85%
Be 313.107†	5327.9	0.0030	mg/L	0.00004	0.0030	mg/L	0.00004	1.41%
Ca 315.887†	1261079.4	11.86	mg/L	0.006	11.86	mg/L	0.006	0.05%
Cd 228.802†	45.3	0.0013	mg/L	0.00011	0.0013	mg/L	0.00011	8.51%
Co 228.616†	2053.6	0.0414	mg/L	0.00040	0.0414	mg/L	0.00040	0.97%
Cr 267.716†	7378.2	0.0781	mg/L	0.00139	0.0781	mg/L	0.00139	1.78%
Cu 324.752†	106021.8	0.5967	mg/L	0.00526	0.5967	mg/L	0.00526	0.88%
Fe 234.349†	135355.9	116.0	mg/L	0.00	116.0	mg/L	0.00	0.00%
Fe 238.204†	12360495.4	104.5	mg/L	0.29	104.5	mg/L	0.29	0.27%
K 766.490†	14777.7	8.146	mg/L	0.0731	8.146	mg/L	0.0731	0.90%
Li 670.784†	2850.2	0.0886	mg/L	0.00059	0.0886	mg/L	0.00059	0.66%
Mg 279.077†	209302.1	18.43	mg/L	0.292	18.43	mg/L	0.292	1.59%
Mn 257.610†	674636.3	1.190	mg/L	0.0015	1.190	mg/L	0.0015	0.13%
Mo 202.031†	176.2	-0.0274	mg/L	0.00008	-0.0274	mg/L	0.00008	0.30%
Na 589.592†	3795.7	0.7222	mg/L	0.00523	0.7222	mg/L	0.00523	0.72%
Ni 231.604†	2658.6	0.0904	mg/L	0.00005	0.0904	mg/L	0.00005	0.06%
P 214.914†	6259.4	4.014	mg/L	0.0158	4.014	mg/L	0.0158	0.39%
Pb 220.353†	5652.1	0.4648	mg/L	0.00354	0.4648	mg/L	0.00354	0.76%
Sb 206.836†	18.3	-0.0372	mg/L	0.00272	-0.0372	mg/L	0.00272	7.30%
Se 196.026†	-26.9	0.0218	mg/L	0.00224	0.0218	mg/L	0.00224	10.28%
Sn 189.927†	-21.5	0.3316	mg/L	0.00066	0.3316	mg/L	0.00066	0.20%
Sr 407.771†	67671.0	0.0714	mg/L	0.00004	0.0714	mg/L	0.00004	0.05%
Ti 337.279†	2686531.2	3.799	mg/L	0.0105	3.799	mg/L	0.0105	0.28%
Tl 190.801†	5.1	-0.0725	mg/L	0.00016	-0.0725	mg/L	0.00016	0.22%

V 292.402†	20952.2	0.1046 mg/L	0.00187	0.1046 mg/L	0.00187	1.79%
Zn 213.857†	54800.4	0.5865 mg/L	0.00865	0.5865 mg/L	0.00865	1.47%

Sequence No.: 115	Autosampler Location: 103
Sample ID: 1210127-03	Date Collected: 10/6/2012 11:49:43 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210127-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1694.3	1390.1	0.8112 mg/L	0.8112 mg/L	23:51:26
1	Fe 234.349†	660049.3	543182.2	465.4 mg/L	465.4 mg/L	23:51:24
1	K 766.490†	46287.1	37922.4	20.59 mg/L	20.59 mg/L	23:51:26
1	Li 670.784†	6361.9	5410.9	0.1677 mg/L	0.1677 mg/L	23:51:26
1	Na 589.592†	149613.4	122971.2	20.22 mg/L	20.22 mg/L	23:51:24
1	Sr 407.771†	3991163.2	3284329.7	3.446 mg/L	3.446 mg/L	23:51:21
1	Y 371.029	3009972.1	3009972.1	1.22 mg/L		23:51:50
1	Ag 328.068†	151109.1	122968.5	1.081 mg/L	1.081 mg/L	23:51:52
1	Al 237.313†	1220135.1	1004217.2	129.6 mg/L	129.6 mg/L	23:51:50
1	As 188.979†	671.6	549.7	0.8821 mg/L	0.8821 mg/L	23:52:02
1	B 182.528†	515.1	421.2	0.8274 mg/L	0.8274 mg/L	23:52:02
1	Ba 233.527†	383481.2	315633.8	4.366 mg/L	4.366 mg/L	23:51:52
1	Be 313.107†	45562.3	38010.6	0.0226 mg/L	0.0226 mg/L	23:51:52
1	Ca 315.887†	33197238.8	27318958.4	257.3 mg/L	257.3 mg/L	23:51:46
1	Cd 228.802†	2432.9	1939.3	0.0656 mg/L	0.0656 mg/L	23:52:02
1	Co 228.616†	11645.3	9648.1	0.2300 mg/L	0.2300 mg/L	23:52:02
1	Cr 267.716†	92724.3	75897.5	0.8327 mg/L	0.8327 mg/L	23:51:52
1	Cu 324.752†	3107736.9	2556226.6	14.39 mg/L	14.39 mg/L	23:51:50
1	Fe 238.204†	41309279.0	33994620.7	287.3 mg/L	287.3 mg/L	23:51:41
1	Mg 279.077†	390263.0	321025.5	28.29 mg/L	28.29 mg/L	23:51:52
1	Mn 257.610†	2418559.0	1989144.3	3.514 mg/L	3.514 mg/L	23:51:50
1	Mo 202.031†	1895.5	1532.7	-0.0734 mg/L	-0.0734 mg/L	23:51:52
1	Ni 231.604†	80093.1	65930.1	2.333 mg/L	2.333 mg/L	23:51:52
1	P 214.914†	31288.9	25406.0	15.97 mg/L	15.97 mg/L	23:51:52
1	Pb 220.353†	775905.8	638460.5	55.04 mg/L	55.04 mg/L	23:51:52
1	Sb 206.836†	247.7	167.1	-0.0667 mg/L	-0.0667 mg/L	23:52:02
1	Se 196.026†	-84.9	-69.9	0.1290 mg/L	0.1290 mg/L	23:52:02
1	Sn 189.927†	9296.0	7647.1	3.087 mg/L	3.087 mg/L	23:52:02
1	Ti 337.279†	4194704.1	3452420.4	4.883 mg/L	4.883 mg/L	23:51:50
1	Tl 190.801†	46.1	35.9	-0.2524 mg/L	-0.2524 mg/L	23:52:02
1	V 292.402†	104822.6	86945.1	0.4561 mg/L	0.4561 mg/L	23:51:52
1	Zn 213.857†	938319.8	771373.4	8.253 mg/L	8.253 mg/L	23:51:50
2	B 249.677†	1674.0	1372.9	0.8011 mg/L	0.8011 mg/L	23:51:33
2	Fe 234.349†	651091.0	535590.6	458.9 mg/L	458.9 mg/L	23:51:31
2	K 766.490†	46433.5	38027.3	20.65 mg/L	20.65 mg/L	23:51:33
2	Li 670.784†	6479.6	5505.5	0.1706 mg/L	0.1706 mg/L	23:51:33
2	Na 589.592†	148139.6	121708.4	20.01 mg/L	20.01 mg/L	23:51:31
2	Sr 407.771†	4011878.1	3300024.1	3.462 mg/L	3.462 mg/L	23:51:29
2	Y 371.029	3011205.8	3011205.8	1.22 mg/L		23:52:17
2	Ag 328.068†	149224.9	121367.6	1.066 mg/L	1.066 mg/L	23:52:19
2	Al 237.313†	1218995.8	1002868.6	129.5 mg/L	129.5 mg/L	23:52:17
2	As 188.979†	688.7	563.6	0.8967 mg/L	0.8967 mg/L	23:52:29
2	B 182.528†	521.1	426.0	0.8368 mg/L	0.8368 mg/L	23:52:29
2	Ba 233.527†	378498.1	311405.5	4.307 mg/L	4.307 mg/L	23:52:19
2	Be 313.107†	45147.5	37654.0	0.0224 mg/L	0.0224 mg/L	23:52:19
2	Ca 315.887†	33267652.2	27365687.4	257.8 mg/L	257.8 mg/L	23:52:13
2	Cd 228.802†	2451.3	1953.6	0.0661 mg/L	0.0661 mg/L	23:52:29
2	Co 228.616†	11706.2	9694.4	0.2311 mg/L	0.2311 mg/L	23:52:29
2	Cr 267.716†	91618.4	74956.6	0.8223 mg/L	0.8223 mg/L	23:52:19
2	Cu 324.752†	3102870.7	2551176.0	14.37 mg/L	14.37 mg/L	23:52:17
2	Fe 238.204†	41138201.7	33839965.4	286.0 mg/L	286.0 mg/L	23:52:08
2	Mg 279.077†	385482.8	316961.8	27.93 mg/L	27.93 mg/L	23:52:19
2	Mn 257.610†	2417468.5	1987431.8	3.511 mg/L	3.511 mg/L	23:52:17
2	Mo 202.031†	1771.8	1430.4	-0.0768 mg/L	-0.0768 mg/L	23:52:19
2	Ni 231.604†	79047.0	65042.5	2.301 mg/L	2.301 mg/L	23:52:19
2	P 214.914†	30864.9	25046.6	15.74 mg/L	15.74 mg/L	23:52:19
2	Pb 220.353†	766676.8	630607.2	54.36 mg/L	54.36 mg/L	23:52:19
2	Sb 206.836†	250.9	169.6	-0.0617 mg/L	-0.0617 mg/L	23:52:29
2	Se 196.026†	-95.3	-78.5	0.1180 mg/L	0.1180 mg/L	23:52:29

2	Sn 189.927†	9331.0	7672.8	3.074 mg/L	3.074 mg/L	23:52:29
2	Ti 337.279†	4191217.4	3448138.0	4.877 mg/L	4.877 mg/L	23:52:17
2	Tl 190.801†	42.5	32.9	-0.2508 mg/L	-0.2508 mg/L	23:52:29
2	V 292.402†	103516.0	85834.9	0.4503 mg/L	0.4503 mg/L	23:52:19
2	Zn 213.857†	937940.5	770745.0	8.247 mg/L	8.247 mg/L	23:52:17

Mean Data: 1210127-03

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3010588.9	1.22 mg/L	0.000			0.03%
Ag 328.068†	122168.1	1.074 mg/L	0.0100	1.074 mg/L	0.0100	0.93%
Al 237.313†	1003542.9	129.6 mg/L	0.12	129.6 mg/L	0.12	0.10%
As 188.979†	556.6	0.8894 mg/L	0.01033	0.8894 mg/L	0.01033	1.16%
B 182.528†	423.6	0.8321 mg/L	0.00664	0.8321 mg/L	0.00664	0.80%
B 249.677†	1381.5	0.8062 mg/L	0.00712	0.8062 mg/L	0.00712	0.88%
Ba 233.527†	313519.6	4.336 mg/L	0.0414	4.336 mg/L	0.0414	0.95%
Be 313.107†	37832.3	0.0225 mg/L	0.00015	0.0225 mg/L	0.00015	0.67%
Ca 315.887†	27342322.9	257.6 mg/L	0.31	257.6 mg/L	0.31	0.12%
Cd 228.802†	1946.4	0.0658 mg/L	0.00031	0.0658 mg/L	0.00031	0.47%
Co 228.616†	9671.3	0.2306 mg/L	0.00083	0.2306 mg/L	0.00083	0.36%
Cr 267.716†	75427.1	0.8275 mg/L	0.00733	0.8275 mg/L	0.00733	0.89%
Cu 324.752†	2553701.3	14.38 mg/L	0.020	14.38 mg/L	0.020	0.14%
Fe 234.349†	539386.4	462.1 mg/L	4.60	462.1 mg/L	4.60	1.00%
Fe 238.204†	33917293.1	286.7 mg/L	0.92	286.7 mg/L	0.92	0.32%
K 766.490†	37974.9	20.62 mg/L	0.040	20.62 mg/L	0.040	0.19%
Li 670.784†	5458.2	0.1692 mg/L	0.00207	0.1692 mg/L	0.00207	1.22%
Mg 279.077†	318993.6	28.11 mg/L	0.253	28.11 mg/L	0.253	0.90%
Mn 257.610†	1988288.1	3.513 mg/L	0.0021	3.513 mg/L	0.0021	0.06%
Mo 202.031†	1481.5	-0.0751 mg/L	0.00241	-0.0751 mg/L	0.00241	3.22%
Na 589.592†	122339.8	20.11 mg/L	0.146	20.11 mg/L	0.146	0.73%
Ni 231.604†	65486.3	2.317 mg/L	0.0222	2.317 mg/L	0.0222	0.96%
P 214.914†	25226.3	15.86 mg/L	0.162	15.86 mg/L	0.162	1.02%
Pb 220.353†	634533.9	54.70 mg/L	0.479	54.70 mg/L	0.479	0.88%
Sb 206.836†	168.3	-0.0642 mg/L	0.00355	-0.0642 mg/L	0.00355	5.54%
Se 196.026†	-74.2	0.1235 mg/L	0.00783	0.1235 mg/L	0.00783	6.34%
Sn 189.927†	7659.9	3.081 mg/L	0.0093	3.081 mg/L	0.0093	0.30%
Sr 407.771†	3292176.9	3.454 mg/L	0.0116	3.454 mg/L	0.0116	0.34%
Ti 337.279†	3450279.2	4.880 mg/L	0.0043	4.880 mg/L	0.0043	0.09%
Tl 190.801†	34.4	-0.2516 mg/L	0.00114	-0.2516 mg/L	0.00114	0.45%
V 292.402†	86390.0	0.4532 mg/L	0.00412	0.4532 mg/L	0.00412	0.91%
Zn 213.857†	771059.2	8.250 mg/L	0.0046	8.250 mg/L	0.0046	0.06%

Sequence No.: 116
Sample ID: 1210127-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 104
Date Collected: 10/6/2012 11:54:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	356.9	274.3	0.1621 mg/L	0.1621 mg/L	23:55:45
1	Fe 234.349†	209402.0	163406.8	140.0 mg/L	140.0 mg/L	23:55:43
1	K 766.490†	16476.9	12688.6	7.022 mg/L	7.022 mg/L	23:55:45
1	Li 670.784†	2797.5	2358.4	0.0734 mg/L	0.0734 mg/L	23:55:45
1	Na 589.592†	33592.9	26062.7	4.364 mg/L	4.364 mg/L	23:55:43
1	Sr 407.771†	2527189.1	1971891.1	2.069 mg/L	2.069 mg/L	23:55:43
1	Y 371.029	3174336.9	3174336.9	1.28 mg/L		23:56:00
1	Ag 328.068†	113260.6	86995.6	0.7495 mg/L	0.7495 mg/L	23:56:00
1	Al 237.313†	584998.1	456614.6	58.95 mg/L	58.95 mg/L	23:56:00
1	As 188.979†	385.7	298.0	0.4316 mg/L	0.4316 mg/L	23:56:11
1	B 182.528†	96.4	72.6	0.1470 mg/L	0.1470 mg/L	23:56:11
1	Ba 233.527†	414755.7	323697.6	4.477 mg/L	4.477 mg/L	23:56:00
1	Be 313.107†	38096.1	30243.1	0.0179 mg/L	0.0179 mg/L	23:56:00
1	Ca 315.887†	11222960.4	8757374.9	82.48 mg/L	82.48 mg/L	23:55:57
1	Cd 228.802†	828.4	583.6	0.0190 mg/L	0.0190 mg/L	23:56:11
1	Co 228.616†	5376.3	4260.1	0.0995 mg/L	0.0995 mg/L	23:56:11
1	Cr 267.716†	55496.2	42896.5	0.4693 mg/L	0.4693 mg/L	23:56:00
1	Cu 324.752†	795301.1	619358.0	3.486 mg/L	3.486 mg/L	23:56:00
1	Fe 238.204†	17361510.8	13547418.0	114.5 mg/L	114.5 mg/L	23:55:57

1	Mg	279.077†	130231.2	101487.4	8.918	mg/L	8.918	mg/L	23:56:00
1	Mn	257.610†	1225004.9	954730.4	1.685	mg/L	1.685	mg/L	23:56:00
1	Mo	202.031†	1407.6	1071.2	0.0109	mg/L	0.0109	mg/L	23:56:11
1	Ni	231.604†	17936.1	14014.7	0.4929	mg/L	0.4929	mg/L	23:56:11
1	P	214.914†	21010.4	16052.2	9.842	mg/L	9.842	mg/L	23:56:11
1	Pb	220.353†	102983.1	80301.9	6.905	mg/L	6.905	mg/L	23:56:00
1	Sb	206.836†	106.0	45.9	-0.0243	mg/L	-0.0243	mg/L	23:56:11
1	Se	196.026†	-27.5	-21.6	0.0373	mg/L	0.0373	mg/L	23:56:11
1	Sn	189.927†	866.7	673.4	0.5590	mg/L	0.5590	mg/L	23:56:11
1	Ti	337.279†	2215738.9	1729449.7	2.445	mg/L	2.445	mg/L	23:56:00
1	Tl	190.801†	35.8	26.0	-0.0705	mg/L	-0.0705	mg/L	23:56:11
1	V	292.402†	83199.6	65605.6	0.3836	mg/L	0.3836	mg/L	23:56:00
1	Zn	213.857†	245242.6	190567.1	2.039	mg/L	2.039	mg/L	23:56:00
2	B	249.677†	367.7	280.4	0.1656	mg/L	0.1656	mg/L	23:55:50
2	Fe	234.349†	209185.2	161881.7	138.7	mg/L	138.7	mg/L	23:55:48
2	K	766.490†	16487.7	12590.1	6.969	mg/L	6.969	mg/L	23:55:50
2	Li	670.784†	2810.9	2350.7	0.0732	mg/L	0.0732	mg/L	23:55:50
2	Na	589.592†	33569.7	25827.0	4.326	mg/L	4.326	mg/L	23:55:48
2	Sr	407.771†	2526124.3	1954685.4	2.051	mg/L	2.051	mg/L	23:55:48
2	Y	371.029	3200927.2	3200927.2	1.29	mg/L			23:56:19
2	Ag	328.068†	113838.2	86708.4	0.7469	mg/L	0.7469	mg/L	23:56:19
2	Al	237.313†	588528.5	455554.5	58.81	mg/L	58.81	mg/L	23:56:19
2	As	188.979†	376.5	288.4	0.4190	mg/L	0.4190	mg/L	23:56:29
2	B	182.528†	100.8	75.4	0.1524	mg/L	0.1524	mg/L	23:56:29
2	Ba	233.527†	416870.2	322645.3	4.463	mg/L	4.463	mg/L	23:56:19
2	Be	313.107†	38309.5	30161.3	0.0179	mg/L	0.0179	mg/L	23:56:19
2	Ca	315.887†	11141938.3	8621927.3	81.21	mg/L	81.21	mg/L	23:56:15
2	Cd	228.802†	834.1	582.6	0.0190	mg/L	0.0190	mg/L	23:56:29
2	Co	228.616†	5324.2	4184.9	0.0976	mg/L	0.0976	mg/L	23:56:29
2	Cr	267.716†	55483.7	42527.2	0.4652	mg/L	0.4652	mg/L	23:56:19
2	Cu	324.752†	799144.5	617176.9	3.474	mg/L	3.474	mg/L	23:56:19
2	Fe	238.204†	17248270.6	13347247.4	112.8	mg/L	112.8	mg/L	23:56:15
2	Mg	279.077†	130676.6	100987.9	8.874	mg/L	8.874	mg/L	23:56:19
2	Mn	257.610†	1230753.9	951238.6	1.679	mg/L	1.679	mg/L	23:56:19
2	Mo	202.031†	1402.4	1058.1	0.0106	mg/L	0.0106	mg/L	23:56:29
2	Ni	231.604†	17800.1	13793.2	0.4851	mg/L	0.4851	mg/L	23:56:29
2	P	214.914†	20927.5	15851.8	9.720	mg/L	9.720	mg/L	23:56:29
2	Pb	220.353†	103240.9	79833.8	6.865	mg/L	6.865	mg/L	23:56:19
2	Sb	206.836†	103.5	43.3	-0.0260	mg/L	-0.0260	mg/L	23:56:29
2	Se	196.026†	-34.0	-26.4	0.0320	mg/L	0.0320	mg/L	23:56:29
2	Sn	189.927†	827.6	637.5	0.5471	mg/L	0.5471	mg/L	23:56:29
2	Ti	337.279†	2225548.5	1722677.9	2.436	mg/L	2.436	mg/L	23:56:19
2	Tl	190.801†	33.3	23.7	-0.0713	mg/L	-0.0713	mg/L	23:56:29
2	V	292.402†	83518.9	65313.4	0.3820	mg/L	0.3820	mg/L	23:56:19
2	Zn	213.857†	246240.9	189750.0	2.030	mg/L	2.030	mg/L	23:56:19

Mean Data: 1210127-04

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3187632.1	1.29	mg/L	0.008				0.59%
Ag 328.068†	86852.0	0.7482	mg/L	0.00180	0.7482	mg/L	0.00180	0.24%
Al 237.313†	456084.5	58.88	mg/L	0.097	58.88	mg/L	0.097	0.16%
As 188.979†	293.2	0.4253	mg/L	0.00886	0.4253	mg/L	0.00886	2.08%
B 182.528†	74.0	0.1497	mg/L	0.00383	0.1497	mg/L	0.00383	2.56%
B 249.677†	277.4	0.1639	mg/L	0.00250	0.1639	mg/L	0.00250	1.53%
Ba 233.527†	323171.4	4.470	mg/L	0.0103	4.470	mg/L	0.0103	0.23%
Be 313.107†	30202.2	0.0179	mg/L	0.00003	0.0179	mg/L	0.00003	0.19%
Ca 315.887†	8689651.1	81.84	mg/L	0.902	81.84	mg/L	0.902	1.10%
Cd 228.802†	583.1	0.0190	mg/L	0.00001	0.0190	mg/L	0.00001	0.07%
Co 228.616†	4222.5	0.0985	mg/L	0.00132	0.0985	mg/L	0.00132	1.34%
Cr 267.716†	42711.9	0.4672	mg/L	0.00288	0.4672	mg/L	0.00288	0.62%
Cu 324.752†	618267.4	3.480	mg/L	0.0087	3.480	mg/L	0.0087	0.25%
Fe 234.349†	162644.2	139.4	mg/L	0.92	139.4	mg/L	0.92	0.66%
Fe 238.204†	13447332.7	113.6	mg/L	1.20	113.6	mg/L	1.20	1.05%
K 766.490†	12639.3	6.996	mg/L	0.0374	6.996	mg/L	0.0374	0.54%
Li 670.784†	2354.5	0.0733	mg/L	0.00017	0.0733	mg/L	0.00017	0.23%
Mg 279.077†	101237.6	8.896	mg/L	0.0312	8.896	mg/L	0.0312	0.35%
Mn 257.610†	952984.5	1.682	mg/L	0.0044	1.682	mg/L	0.0044	0.26%
Mo 202.031†	1064.7	0.0107	mg/L	0.00020	0.0107	mg/L	0.00020	1.88%
Na 589.592†	25944.9	4.345	mg/L	0.0273	4.345	mg/L	0.0273	0.63%
Ni 231.604†	13904.0	0.4890	mg/L	0.00555	0.4890	mg/L	0.00555	1.14%
P 214.914†	15952.0	9.781	mg/L	0.0863	9.781	mg/L	0.0863	0.88%

Pb 220.353†	80067.9	6.885 mg/L	0.0285	6.885 mg/L	0.0285	0.41%
Sb 206.836†	44.6	-0.0251 mg/L	0.00118	-0.0251 mg/L	0.00118	4.70%
Se 196.026†	-24.0	0.0346 mg/L	0.00372	0.0346 mg/L	0.00372	10.75%
Sn 189.927†	655.5	0.5531 mg/L	0.00844	0.5531 mg/L	0.00844	1.53%
Sr 407.771†	1963288.3	2.060 mg/L	0.0128	2.060 mg/L	0.0128	0.62%
Ti 337.279†	1726063.8	2.440 mg/L	0.0068	2.440 mg/L	0.0068	0.28%
Tl 190.801†	24.9	-0.0709 mg/L	0.00055	-0.0709 mg/L	0.00055	0.78%
V 292.402†	65459.5	0.3828 mg/L	0.00114	0.3828 mg/L	0.00114	0.30%
Zn 213.857†	190158.5	2.034 mg/L	0.0062	2.034 mg/L	0.0062	0.30%

Sequence No.: 117	Autosampler Location: 105
Sample ID: 1210127-05	Date Collected: 10/6/2012 11:58:05 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210127-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	65.0	48.7	0.0308 mg/L	0.0308 mg/L	23:59:48
1	Fe 234.349†	566339.6	460445.5	394.7 mg/L	394.7 mg/L	23:59:46
1	K 766.490†	19465.3	15656.8	8.618 mg/L	8.618 mg/L	23:59:48
1	Li 670.784†	4594.4	3910.7	0.1214 mg/L	0.1214 mg/L	23:59:48
1	Na 589.592†	11762.4	9412.4	1.641 mg/L	1.641 mg/L	23:59:48
1	Sr 407.771†	1038623.9	844280.6	0.8861 mg/L	0.8861 mg/L	23:59:46
1	Y 371.029	3046710.6	3046710.6	1.23 mg/L		00:00:04
1	Ag 328.068†	142589.9	114542.8	1.004 mg/L	1.004 mg/L	00:00:06
1	Al 237.313†	603717.1	490955.5	63.38 mg/L	63.38 mg/L	00:00:04
1	As 188.979†	313.5	251.9	0.4761 mg/L	0.4761 mg/L	00:00:16
1	B 182.528†	39.0	29.1	0.0621 mg/L	0.0621 mg/L	00:00:16
1	Ba 233.527†	237901.0	193470.3	2.674 mg/L	2.674 mg/L	00:00:06
1	Be 313.107†	12931.7	11029.4	0.0065 mg/L	0.0065 mg/L	00:00:06
1	Ca 315.887†	4227373.2	3436744.7	32.38 mg/L	32.38 mg/L	00:00:04
1	Cd 228.802†	815.8	600.5	0.0196 mg/L	0.0196 mg/L	00:00:16
1	Co 228.616†	3739.2	3104.9	0.0688 mg/L	0.0688 mg/L	00:00:16
1	Cr 267.716†	64592.5	52106.0	0.5706 mg/L	0.5706 mg/L	00:00:06
1	Cu 324.752†	1381490.4	1121932.2	6.317 mg/L	6.317 mg/L	00:00:04
1	Fe 238.204†	37898998.1	30812105.4	260.4 mg/L	260.4 mg/L	00:00:00
1	Mg 279.077†	237519.4	192970.7	16.99 mg/L	16.99 mg/L	00:00:06
1	Mn 257.610†	2066715.1	1679091.7	2.967 mg/L	2.967 mg/L	00:00:04
1	Mo 202.031†	621.7	478.3	-0.1022 mg/L	-0.1022 mg/L	00:00:06
1	Ni 231.604†	21053.7	17135.7	0.6035 mg/L	0.6035 mg/L	00:00:06
1	P 214.914†	11343.9	8880.0	6.128 mg/L	6.128 mg/L	00:00:16
1	Pb 220.353†	78261.4	63569.2	5.454 mg/L	5.454 mg/L	00:00:06
1	Sb 206.836†	111.1	53.5	-0.1281 mg/L	-0.1281 mg/L	00:00:16
1	Se 196.026†	-116.8	-95.0	0.0745 mg/L	0.0745 mg/L	00:00:16
1	Sn 189.927†	1783.6	1447.2	1.478 mg/L	1.478 mg/L	00:00:16
1	Ti 337.279†	2866746.6	2331152.6	3.297 mg/L	3.297 mg/L	00:00:04
1	Tl 190.801†	-0.1	-2.1	-0.2420 mg/L	-0.2420 mg/L	00:00:16
1	V 292.402†	663012.9	539719.1	3.305 mg/L	3.305 mg/L	00:00:06
1	Zn 213.857†	568825.4	461659.6	4.947 mg/L	4.947 mg/L	00:00:06
2	B 249.677†	59.4	43.8	0.0280 mg/L	0.0280 mg/L	23:59:52
2	Fe 234.349†	561463.8	453657.9	388.9 mg/L	388.9 mg/L	23:59:50
2	K 766.490†	19387.7	15496.1	8.532 mg/L	8.532 mg/L	23:59:52
2	Li 670.784†	4604.5	3895.8	0.1209 mg/L	0.1209 mg/L	23:59:52
2	Na 589.592†	11689.7	9294.4	1.622 mg/L	1.622 mg/L	23:59:52
2	Sr 407.771†	1029076.8	831343.6	0.8726 mg/L	0.8726 mg/L	23:59:50
2	Y 371.029	3065673.5	3065673.5	1.24 mg/L		00:00:25
2	Ag 328.068†	143496.9	114558.5	1.004 mg/L	1.004 mg/L	00:00:28
2	Al 237.313†	593590.9	479737.7	61.93 mg/L	61.93 mg/L	00:00:25
2	As 188.979†	296.3	236.4	0.4543 mg/L	0.4543 mg/L	00:00:38
2	B 182.528†	35.9	26.4	0.0568 mg/L	0.0568 mg/L	00:00:38
2	Ba 233.527†	240144.1	194086.3	2.682 mg/L	2.682 mg/L	00:00:28
2	Be 313.107†	13060.1	11068.2	0.0065 mg/L	0.0065 mg/L	00:00:28
2	Ca 315.887†	4158243.5	3359630.0	31.66 mg/L	31.66 mg/L	00:00:25
2	Cd 228.802†	814.5	595.3	0.0195 mg/L	0.0195 mg/L	00:00:38
2	Co 228.616†	3670.5	3030.6	0.0670 mg/L	0.0670 mg/L	00:00:38
2	Cr 267.716†	65232.4	52298.2	0.5728 mg/L	0.5728 mg/L	00:00:28
2	Cu 324.752†	1360231.1	1097807.7	6.181 mg/L	6.181 mg/L	00:00:25
2	Fe 238.204†	38343819.6	30980921.9	261.8 mg/L	261.8 mg/L	00:00:22
2	Mg 279.077†	239890.4	193692.0	17.05 mg/L	17.05 mg/L	00:00:28

2	Mn 257.610†	2034088.5	1642336.7	2.902 mg/L	2.902 mg/L	00:00:25
2	Mo 202.031†	624.0	477.1	-0.1003 mg/L	-0.1003 mg/L	00:00:28
2	Ni 231.604†	21153.9	17110.8	0.6026 mg/L	0.6026 mg/L	00:00:28
2	P 214.914†	11215.8	8719.5	6.021 mg/L	6.021 mg/L	00:00:38
2	Pb 220.353†	79118.5	63868.1	5.481 mg/L	5.481 mg/L	00:00:28
2	Sb 206.836†	122.6	62.3	-0.1181 mg/L	-0.1181 mg/L	00:00:38
2	Se 196.026†	-114.4	-92.5	0.0744 mg/L	0.0744 mg/L	00:00:38
2	Sn 189.927†	1782.5	1437.4	1.459 mg/L	1.459 mg/L	00:00:38
2	Ti 337.279†	2823051.2	2281430.9	3.226 mg/L	3.226 mg/L	00:00:25
2	Tl 190.801†	-1.5	-3.2	-0.2394 mg/L	-0.2394 mg/L	00:00:38
2	V 292.402†	670477.4	542416.1	3.323 mg/L	3.323 mg/L	00:00:28
2	Zn 213.857†	574372.2	463280.7	4.965 mg/L	4.965 mg/L	00:00:28

Mean Data: 1210127-05

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3056192.0	1.23 mg/L		0.005			0.44%
Ag 328.068†	114550.7	1.004 mg/L		0.0002	1.004 mg/L	0.0002	0.02%
Al 237.313†	485346.6	62.66 mg/L		1.024	62.66 mg/L	1.024	1.63%
As 188.979†	244.2	0.4652 mg/L		0.01541	0.4652 mg/L	0.01541	3.31%
B 182.528†	27.7	0.0594 mg/L		0.00376	0.0594 mg/L	0.00376	6.32%
B 249.677†	46.2	0.0294 mg/L		0.00198	0.0294 mg/L	0.00198	6.75%
Ba 233.527†	193778.3	2.678 mg/L		0.0060	2.678 mg/L	0.0060	0.22%
Be 313.107†	11048.8	0.0065 mg/L		0.00002	0.0065 mg/L	0.00002	0.25%
Ca 315.887†	3398187.4	32.02 mg/L		0.514	32.02 mg/L	0.514	1.60%
Cd 228.802†	597.9	0.0196 mg/L		0.00007	0.0196 mg/L	0.00007	0.36%
Co 228.616†	3067.7	0.0679 mg/L		0.00122	0.0679 mg/L	0.00122	1.80%
Cr 267.716†	52202.1	0.5717 mg/L		0.00150	0.5717 mg/L	0.00150	0.26%
Cu 324.752†	1109869.9	6.249 mg/L		0.0961	6.249 mg/L	0.0961	1.54%
Fe 234.349†	457051.7	391.8 mg/L		4.11	391.8 mg/L	4.11	1.05%
Fe 238.204†	30896513.6	261.1 mg/L		1.01	261.1 mg/L	1.01	0.39%
K 766.490†	15576.5	8.575 mg/L		0.0611	8.575 mg/L	0.0611	0.71%
Li 670.784†	3903.3	0.1212 mg/L		0.00033	0.1212 mg/L	0.00033	0.27%
Mg 279.077†	193331.3	17.02 mg/L		0.045	17.02 mg/L	0.045	0.26%
Mn 257.610†	1660714.2	2.934 mg/L		0.0459	2.934 mg/L	0.0459	1.57%
Mo 202.031†	477.7	-0.1012 mg/L		0.00130	-0.1012 mg/L	0.00130	1.28%
Na 589.592†	9353.4	1.631 mg/L		0.0136	1.631 mg/L	0.0136	0.84%
Ni 231.604†	17123.2	0.6031 mg/L		0.00062	0.6031 mg/L	0.00062	0.10%
P 214.914†	8799.7	6.075 mg/L		0.0754	6.075 mg/L	0.0754	1.24%
Pb 220.353†	63718.6	5.468 mg/L		0.0186	5.468 mg/L	0.0186	0.34%
Sb 206.836†	57.9	-0.1231 mg/L		0.00705	-0.1231 mg/L	0.00705	5.72%
Se 196.026†	-93.8	0.0745 mg/L		0.00005	0.0745 mg/L	0.00005	0.07%
Sn 189.927†	1442.3	1.469 mg/L		0.0136	1.469 mg/L	0.0136	0.93%
Sr 407.771†	837812.1	0.8794 mg/L		0.00960	0.8794 mg/L	0.00960	1.09%
Ti 337.279†	2306291.8	3.261 mg/L		0.0498	3.261 mg/L	0.0498	1.53%
Tl 190.801†	-2.6	-0.2407 mg/L		0.00184	-0.2407 mg/L	0.00184	0.76%
V 292.402†	541067.6	3.314 mg/L		0.0128	3.314 mg/L	0.0128	0.39%
Zn 213.857†	462470.1	4.956 mg/L		0.0125	4.956 mg/L	0.0125	0.25%

Sequence No.: 118

Sample ID: 1210127-06

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 106

Date Collected: 10/7/2012 12:02:14 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	301.9	248.8	0.1473 mg/L	0.1473 mg/L	00:03:57
1	Fe 234.349†	215193.7	180264.1	154.5 mg/L	154.5 mg/L	00:03:54
1	K 766.490†	20567.4	17059.7	9.373 mg/L	9.373 mg/L	00:03:57
1	Li 670.784†	3773.3	3336.2	0.1036 mg/L	0.1036 mg/L	00:03:57
1	Na 589.592†	25146.1	20913.2	3.522 mg/L	3.522 mg/L	00:03:57
1	Sr 407.771†	491944.1	411949.3	0.4326 mg/L	0.4326 mg/L	00:03:54
1	Y 371.029	2957066.4	2957066.4	1.19 mg/L		00:04:11
1	Ag 328.068†	202983.3	168646.0	1.445 mg/L	1.445 mg/L	00:04:13
1	Al 237.313†	664410.6	556675.4	71.86 mg/L	71.86 mg/L	00:04:11
1	As 188.979†	62.2	49.1	0.1269 mg/L	0.1269 mg/L	00:04:23
1	B 182.528†	83.2	67.0	0.1362 mg/L	0.1362 mg/L	00:04:23
1	Ba 233.527†	77559.9	65022.9	0.8976 mg/L	0.8976 mg/L	00:04:13

1	Be	313.107†	7806.7	7055.2	0.0041	mg/L	0.0041	mg/L	00:04:13
1	Ca	315.887†	10174438.6	8522533.1	80.27	mg/L	80.27	mg/L	00:04:08
1	Cd	228.802†	770.9	582.9	0.0203	mg/L	0.0203	mg/L	00:04:23
1	Co	228.616†	2979.4	2560.6	0.0547	mg/L	0.0547	mg/L	00:04:23
1	Cr	267.716†	24803.3	20368.3	0.2211	mg/L	0.2211	mg/L	00:04:13
1	Cu	324.752†	1837097.0	1537623.0	8.658	mg/L	8.658	mg/L	00:04:11
1	Fe	238.204†	17402881.2	14577480.2	123.2	mg/L	123.2	mg/L	00:04:08
1	Mg	279.077†	268703.5	224946.3	19.81	mg/L	19.81	mg/L	00:04:11
1	Mn	257.610†	1499978.8	1255298.8	2.217	mg/L	2.217	mg/L	00:04:11
1	Mo	202.031†	452.0	351.5	-0.0356	mg/L	-0.0356	mg/L	00:04:13
1	Ni	231.604†	40753.4	34156.1	1.207	mg/L	1.207	mg/L	00:04:13
1	P	214.914†	10640.8	8570.6	5.329	mg/L	5.329	mg/L	00:04:13
1	Pb	220.353†	918595.4	769409.3	66.36	mg/L	66.36	mg/L	00:04:11
1	Sb	206.836†	99.8	46.8	-0.0299	mg/L	-0.0299	mg/L	00:04:23
1	Se	196.026†	-52.3	-43.9	0.0218	mg/L	0.0218	mg/L	00:04:23
1	Sn	189.927†	2696.2	2255.6	0.9590	mg/L	0.9590	mg/L	00:04:23
1	Ti	337.279†	2936691.6	2460398.0	3.480	mg/L	3.480	mg/L	00:04:11
1	Tl	190.801†	26.1	19.9	-0.0844	mg/L	-0.0844	mg/L	00:04:23
1	V	292.402†	97710.0	82530.5	0.4843	mg/L	0.4843	mg/L	00:04:13
1	Zn	213.857†	483297.6	404036.3	4.320	mg/L	4.320	mg/L	00:04:13
2	B	249.677†	286.4	234.1	0.1387	mg/L	0.1387	mg/L	00:04:01
2	Fe	234.349†	214898.5	178762.8	153.2	mg/L	153.2	mg/L	00:03:59
2	K	766.490†	20654.2	17011.9	9.347	mg/L	9.347	mg/L	00:04:01
2	Li	670.784†	3860.0	3386.3	0.1052	mg/L	0.1052	mg/L	00:04:01
2	Na	589.592†	25185.9	20799.6	3.504	mg/L	3.504	mg/L	00:04:01
2	Sr	407.771†	491362.2	408594.3	0.4291	mg/L	0.4291	mg/L	00:03:59
2	Y	371.029	2977812.2	2977812.2	1.20	mg/L	1.20	mg/L	00:04:31
2	Ag	328.068†	199735.6	164760.0	1.412	mg/L	1.412	mg/L	00:04:33
2	Al	237.313†	664992.3	553281.9	71.42	mg/L	71.42	mg/L	00:04:31
2	As	188.979†	72.8	57.5	0.1369	mg/L	0.1369	mg/L	00:04:43
2	B	182.528†	78.6	62.7	0.1278	mg/L	0.1278	mg/L	00:04:43
2	Ba	233.527†	76144.6	63393.1	0.8751	mg/L	0.8751	mg/L	00:04:33
2	Be	313.107†	7622.2	6856.2	0.0040	mg/L	0.0040	mg/L	00:04:33
2	Ca	315.887†	10359621.8	8617196.7	81.16	mg/L	81.16	mg/L	00:04:28
2	Cd	228.802†	775.9	582.6	0.0203	mg/L	0.0203	mg/L	00:04:43
2	Co	228.616†	2971.8	2536.9	0.0542	mg/L	0.0542	mg/L	00:04:43
2	Cr	267.716†	24375.8	19868.0	0.2156	mg/L	0.2156	mg/L	00:04:33
2	Cu	324.752†	1841323.9	1530418.2	8.617	mg/L	8.617	mg/L	00:04:31
2	Fe	238.204†	17651989.4	14683134.4	124.1	mg/L	124.1	mg/L	00:04:28
2	Mg	279.077†	268329.9	223067.5	19.64	mg/L	19.64	mg/L	00:04:31
2	Mn	257.610†	1502491.8	1248635.6	2.205	mg/L	2.205	mg/L	00:04:31
2	Mo	202.031†	455.9	352.1	-0.0351	mg/L	-0.0351	mg/L	00:04:33
2	Ni	231.604†	39953.1	33252.6	1.175	mg/L	1.175	mg/L	00:04:33
2	P	214.914†	10436.6	8338.7	5.189	mg/L	5.189	mg/L	00:04:33
2	Pb	220.353†	919342.0	764669.6	65.95	mg/L	65.95	mg/L	00:04:31
2	Sb	206.836†	106.2	51.5	-0.0254	mg/L	-0.0254	mg/L	00:04:43
2	Se	196.026†	-59.4	-49.5	0.0158	mg/L	0.0158	mg/L	00:04:43
2	Sn	189.927†	2688.8	2233.7	0.9503	mg/L	0.9503	mg/L	00:04:43
2	Ti	337.279†	2942557.9	2448139.9	3.462	mg/L	3.462	mg/L	00:04:31
2	Tl	190.801†	26.5	20.0	-0.0835	mg/L	-0.0835	mg/L	00:04:43
2	V	292.402†	95327.8	79978.7	0.4685	mg/L	0.4685	mg/L	00:04:33
2	Zn	213.857†	472479.9	392217.5	4.194	mg/L	4.194	mg/L	00:04:33

Mean Data: 1210127-06

Analyte	Mean Corrected		Calib		Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
Y 371.029	2967439.3	1.20	mg/L	0.006				0.49%
Ag 328.068†	166703.0	1.429	mg/L	0.0235	1.429	mg/L	0.0235	1.64%
Al 237.313†	554978.6	71.64	mg/L	0.310	71.64	mg/L	0.310	0.43%
As 188.979†	53.3	0.1319	mg/L	0.00710	0.1319	mg/L	0.00710	5.38%
B 182.528†	64.9	0.1320	mg/L	0.00594	0.1320	mg/L	0.00594	4.50%
B 249.677†	241.4	0.1430	mg/L	0.00605	0.1430	mg/L	0.00605	4.23%
Ba 233.527†	64208.0	0.8864	mg/L	0.01594	0.8864	mg/L	0.01594	1.80%
Be 313.107†	6955.7	0.0040	mg/L	0.00008	0.0040	mg/L	0.00008	2.10%
Ca 315.887†	8569864.9	80.72	mg/L	0.630	80.72	mg/L	0.630	0.78%
Cd 228.802†	582.7	0.0203	mg/L	0.00004	0.0203	mg/L	0.00004	0.20%
Co 228.616†	2548.8	0.0545	mg/L	0.00040	0.0545	mg/L	0.00040	0.73%
Cr 267.716†	20118.1	0.2184	mg/L	0.00390	0.2184	mg/L	0.00390	1.78%
Cu 324.752†	1534020.6	8.637	mg/L	0.0287	8.637	mg/L	0.0287	0.33%
Fe 234.349†	179513.5	153.8	mg/L	0.91	153.8	mg/L	0.91	0.59%
Fe 238.204†	14630307.3	123.6	mg/L	0.63	123.6	mg/L	0.63	0.51%
K 766.490†	17035.8	9.360	mg/L	0.0182	9.360	mg/L	0.0182	0.19%

Li 670.784†	3361.3	0.1044 mg/L	0.00109	0.1044 mg/L	0.00109	1.05%
Mg 279.077†	224006.9	19.73 mg/L	0.117	19.73 mg/L	0.117	0.59%
Mn 257.610†	1251967.2	2.211 mg/L	0.0083	2.211 mg/L	0.0083	0.38%
Mo 202.031†	351.8	-0.0354 mg/L	0.00033	-0.0354 mg/L	0.00033	0.93%
Na 589.592†	20856.4	3.513 mg/L	0.0131	3.513 mg/L	0.0131	0.37%
Ni 231.604†	33704.4	1.191 mg/L	0.0226	1.191 mg/L	0.0226	1.90%
P 214.914†	8454.7	5.259 mg/L	0.0992	5.259 mg/L	0.0992	1.89%
Pb 220.353†	767039.5	66.16 mg/L	0.289	66.16 mg/L	0.289	0.44%
Sb 206.836†	49.2	-0.0276 mg/L	0.00319	-0.0276 mg/L	0.00319	11.56%
Se 196.026†	-46.7	0.0188 mg/L	0.00424	0.0188 mg/L	0.00424	22.54%
Sn 189.927†	2244.7	0.9546 mg/L	0.00616	0.9546 mg/L	0.00616	0.64%
Sr 407.771†	410271.8	0.4308 mg/L	0.00249	0.4308 mg/L	0.00249	0.58%
Ti 337.279†	2454269.0	3.471 mg/L	0.0123	3.471 mg/L	0.0123	0.35%
Tl 190.801†	20.0	-0.0840 mg/L	0.00063	-0.0840 mg/L	0.00063	0.75%
V 292.402†	81254.6	0.4764 mg/L	0.01114	0.4764 mg/L	0.01114	2.34%
Zn 213.857†	398126.9	4.257 mg/L	0.0897	4.257 mg/L	0.0897	2.11%

Sequence No.: 119

Autosampler Location: 107

Sample ID: 1210127-07

Date Collected: 10/7/2012 12:06:19 AM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210127-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	628.6	518.0	0.3039 mg/L	0.3039 mg/L	00:08:00
1	Fe 234.349†	400559.8	332705.5	285.0 mg/L	285.0 mg/L	00:07:58
1	K 766.490†	27264.2	22476.6	12.29 mg/L	12.29 mg/L	00:08:00
1	Li 670.784†	5342.7	4613.1	0.1431 mg/L	0.1431 mg/L	00:08:00
1	Na 589.592†	53543.4	44321.9	7.351 mg/L	7.351 mg/L	00:08:00
1	Sr 407.771†	1269244.6	1054087.1	1.106 mg/L	1.106 mg/L	00:07:58
1	Y 371.029	2982235.5	2982235.5	1.20 mg/L	1.20 mg/L	00:08:16
1	Ag 328.068†	127825.4	104785.9	0.9122 mg/L	0.9122 mg/L	00:08:16
1	Al 237.313†	1008554.0	837819.3	108.2 mg/L	108.2 mg/L	00:08:16
1	As 188.979†	129.7	104.8	0.2492 mg/L	0.2492 mg/L	00:08:26
1	B 182.528†	196.2	160.3	0.3181 mg/L	0.3181 mg/L	00:08:26
1	Ba 233.527†	143859.1	119541.9	1.651 mg/L	1.651 mg/L	00:08:16
1	Be 313.107†	12989.0	11304.3	0.0068 mg/L	0.0068 mg/L	00:08:16
1	Ca 315.887†	18257526.6	15164312.4	142.8 mg/L	142.8 mg/L	00:08:12
1	Cd 228.802†	2393.6	1925.2	0.0675 mg/L	0.0675 mg/L	00:08:26
1	Co 228.616†	5487.4	4622.7	0.1035 mg/L	0.1035 mg/L	00:08:26
1	Cr 267.716†	209465.1	173570.6	1.908 mg/L	1.908 mg/L	00:08:16
1	Cu 324.752†	4721049.2	3920008.9	22.07 mg/L	22.07 mg/L	00:08:12
1	Fe 238.204†	29790555.1	24743491.0	209.1 mg/L	209.1 mg/L	00:08:12
1	Mg 279.077†	402721.7	334360.5	29.47 mg/L	29.47 mg/L	00:08:16
1	Mn 257.610†	3816999.6	3169182.0	5.601 mg/L	5.601 mg/L	00:08:16
1	Mo 202.031†	848.1	677.3	-0.0683 mg/L	-0.0683 mg/L	00:08:26
1	Ni 231.604†	103969.3	86374.3	3.057 mg/L	3.057 mg/L	00:08:16
1	P 214.914†	19188.0	15594.6	9.566 mg/L	9.566 mg/L	00:08:16
1	Pb 220.353†	589966.9	489960.7	42.22 mg/L	42.22 mg/L	00:08:16
1	Sb 206.836†	127.3	68.9	-0.0681 mg/L	-0.0681 mg/L	00:08:26
1	Se 196.026†	-92.7	-77.0	0.0453 mg/L	0.0453 mg/L	00:08:26
1	Sn 189.927†	6637.4	5510.1	2.077 mg/L	2.077 mg/L	00:08:26
1	Ti 337.279†	4286571.4	3560829.6	5.037 mg/L	5.037 mg/L	00:08:16
1	Tl 190.801†	23.1	17.2	-0.1655 mg/L	-0.1655 mg/L	00:08:26
1	V 292.402†	330823.0	275460.4	1.677 mg/L	1.677 mg/L	00:08:16
1	Zn 213.857†	1392746.9	1155996.3	12.37 mg/L	12.37 mg/L	00:08:16
2	B 249.677†	642.2	525.7	0.3084 mg/L	0.3084 mg/L	00:08:05
2	Fe 234.349†	401487.7	331278.1	283.8 mg/L	283.8 mg/L	00:08:02
2	K 766.490†	27335.4	22386.1	12.24 mg/L	12.24 mg/L	00:08:05
2	Li 670.784†	5300.0	4548.6	0.1411 mg/L	0.1411 mg/L	00:08:05
2	Na 589.592†	53979.5	44388.5	7.362 mg/L	7.362 mg/L	00:08:05
2	Sr 407.771†	1272394.2	1049736.8	1.102 mg/L	1.102 mg/L	00:08:02
2	Y 371.029	3002023.9	3002023.9	1.21 mg/L	1.21 mg/L	00:08:35
2	Ag 328.068†	128272.6	104455.0	0.9093 mg/L	0.9093 mg/L	00:08:35
2	Al 237.313†	1011540.7	834761.8	107.8 mg/L	107.8 mg/L	00:08:35
2	As 188.979†	138.6	111.4	0.2570 mg/L	0.2570 mg/L	00:08:45
2	B 182.528†	201.9	164.0	0.3253 mg/L	0.3253 mg/L	00:08:45
2	Ba 233.527†	143971.6	118847.1	1.642 mg/L	1.642 mg/L	00:08:35
2	Be 313.107†	13152.3	11367.9	0.0068 mg/L	0.0068 mg/L	00:08:35

2	Ca	315.887†	18471362.1	15240790.9	143.6	mg/L	143.6	mg/L	00:08:32
2	Cd	228.802†	2417.3	1931.7	0.0677	mg/L	0.0677	mg/L	00:08:45
2	Co	228.616†	5501.9	4604.6	0.1030	mg/L	0.1030	mg/L	00:08:45
2	Cr	267.716†	209612.5	172545.4	1.897	mg/L	1.897	mg/L	00:08:35
2	Cu	324.752†	4772897.9	3936942.1	22.17	mg/L	22.17	mg/L	00:08:32
2	Fe	238.204†	30066355.0	24807953.8	209.7	mg/L	209.7	mg/L	00:08:32
2	Mg	279.077†	402056.4	331606.7	29.23	mg/L	29.23	mg/L	00:08:35
2	Mn	257.610†	3820431.3	3151115.6	5.569	mg/L	5.569	mg/L	00:08:35
2	Mo	202.031†	862.9	684.9	-0.0676	mg/L	-0.0676	mg/L	00:08:45
2	Ni	231.604†	103949.5	85788.8	3.036	mg/L	3.036	mg/L	00:08:35
2	P	214.914†	19175.7	15479.4	9.492	mg/L	9.492	mg/L	00:08:35
2	Pb	220.353†	589281.7	486165.3	41.89	mg/L	41.89	mg/L	00:08:35
2	Sb	206.836†	125.0	66.3	-0.0697	mg/L	-0.0697	mg/L	00:08:45
2	Se	196.026†	-95.1	-78.5	0.0433	mg/L	0.0433	mg/L	00:08:45
2	Sn	189.927†	6728.1	5548.6	2.082	mg/L	2.082	mg/L	00:08:45
2	Ti	337.279†	4302537.2	3550534.3	5.022	mg/L	5.022	mg/L	00:08:35
2	Tl	190.801†	23.8	17.7	-0.1644	mg/L	-0.1644	mg/L	00:08:45
2	V	292.402†	331655.1	274335.7	1.670	mg/L	1.670	mg/L	00:08:35
2	Zn	213.857†	1392182.5	1147905.3	12.28	mg/L	12.28	mg/L	00:08:35

Mean Data: 1210127-07

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2992129.7	1.21	mg/L	0.006				0.47%
Ag 328.068†	104620.5	0.9108	mg/L	0.00206	0.9108	mg/L	0.00206	0.23%
Al 237.313†	836290.6	108.0	mg/L	0.28	108.0	mg/L	0.28	0.26%
As 188.979†	108.1	0.2531	mg/L	0.00549	0.2531	mg/L	0.00549	2.17%
B 182.528†	162.1	0.3217	mg/L	0.00505	0.3217	mg/L	0.00505	1.57%
B 249.677†	521.9	0.3061	mg/L	0.00318	0.3061	mg/L	0.00318	1.04%
Ba 233.527†	119194.5	1.647	mg/L	0.0068	1.647	mg/L	0.0068	0.41%
Be 313.107†	11336.1	0.0068	mg/L	0.00003	0.0068	mg/L	0.00003	0.38%
Ca 315.887†	15202551.6	143.2	mg/L	0.51	143.2	mg/L	0.51	0.36%
Cd 228.802†	1928.5	0.0676	mg/L	0.00014	0.0676	mg/L	0.00014	0.20%
Co 228.616†	4613.6	0.1033	mg/L	0.00030	0.1033	mg/L	0.00030	0.29%
Cr 267.716†	173058.0	1.903	mg/L	0.0080	1.903	mg/L	0.0080	0.42%
Cu 324.752†	3928475.5	22.12	mg/L	0.067	22.12	mg/L	0.067	0.30%
Fe 234.349†	331991.8	284.4	mg/L	0.87	284.4	mg/L	0.87	0.30%
Fe 238.204†	24775722.4	209.4	mg/L	0.39	209.4	mg/L	0.39	0.18%
K 766.490†	22431.3	12.26	mg/L	0.034	12.26	mg/L	0.034	0.28%
Li 670.784†	4580.8	0.1421	mg/L	0.00141	0.1421	mg/L	0.00141	0.99%
Mg 279.077†	332983.6	29.35	mg/L	0.172	29.35	mg/L	0.172	0.59%
Mn 257.610†	3160148.8	5.585	mg/L	0.0226	5.585	mg/L	0.0226	0.40%
Mo 202.031†	681.1	-0.0679	mg/L	0.00051	-0.0679	mg/L	0.00051	0.75%
Na 589.592†	44355.2	7.357	mg/L	0.0077	7.357	mg/L	0.0077	0.10%
Ni 231.604†	86081.6	3.047	mg/L	0.0147	3.047	mg/L	0.0147	0.48%
P 214.914†	15537.0	9.529	mg/L	0.0518	9.529	mg/L	0.0518	0.54%
Pb 220.353†	488063.0	42.06	mg/L	0.232	42.06	mg/L	0.232	0.55%
Sb 206.836†	67.6	-0.0689	mg/L	0.00118	-0.0689	mg/L	0.00118	1.72%
Se 196.026†	-77.8	0.0443	mg/L	0.00137	0.0443	mg/L	0.00137	3.09%
Sn 189.927†	5529.4	2.079	mg/L	0.0036	2.079	mg/L	0.0036	0.17%
Sr 407.771†	1051912.0	1.104	mg/L	0.0032	1.104	mg/L	0.0032	0.29%
Ti 337.279†	3555681.9	5.029	mg/L	0.0103	5.029	mg/L	0.0103	0.20%
Tl 190.801†	17.4	-0.1649	mg/L	0.00075	-0.1649	mg/L	0.00075	0.46%
V 292.402†	274898.0	1.674	mg/L	0.0049	1.674	mg/L	0.0049	0.29%
Zn 213.857†	1151950.8	12.33	mg/L	0.062	12.33	mg/L	0.062	0.50%

Sequence No.: 120
Sample ID: 1210127-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 108
Date Collected: 10/7/2012 12:10:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	62.1	47.2	0.0299	mg/L	0.0299	mg/L	00:12:03
1	Fe 234.349†	207834.1	171910.0	147.3	mg/L	147.3	mg/L	00:12:01
1	K 766.490†	13891.8	11321.5	6.287	mg/L	6.287	mg/L	00:12:03
1	Li 670.784†	5030.8	4336.6	0.1345	mg/L	0.1345	mg/L	00:12:03
1	Na 589.592†	4635.2	3683.3	0.7038	mg/L	0.7038	mg/L	00:12:03

1	Sr 407.771†	332840.0	275168.6	0.2891 mg/L	0.2891 mg/L	00:12:01
1	Y 371.029	2994725.6	2994725.6	1.21 mg/L		00:12:18
1	Ag 328.068†	41579.1	33006.8	0.2907 mg/L	0.2907 mg/L	00:12:20
1	Al 237.313†	989008.8	818159.3	105.6 mg/L	105.6 mg/L	00:12:18
1	As 188.979†	58.3	45.2	0.1196 mg/L	0.1196 mg/L	00:12:30
1	B 182.528†	27.8	20.3	0.0450 mg/L	0.0450 mg/L	00:12:30
1	Ba 233.527†	44173.7	36591.5	0.5043 mg/L	0.5043 mg/L	00:12:20
1	Be 313.107†	8198.5	7297.1	0.0042 mg/L	0.0042 mg/L	00:12:20
1	Ca 315.887†	6305918.8	5215617.9	49.12 mg/L	49.12 mg/L	00:12:14
1	Cd 228.802†	499.1	350.0	0.0121 mg/L	0.0121 mg/L	00:12:30
1	Co 228.616†	3115.7	2641.9	0.0546 mg/L	0.0546 mg/L	00:12:30
1	Cr 267.716†	11257.2	8902.8	0.0949 mg/L	0.0949 mg/L	00:12:20
1	Cu 324.752†	1490291.3	1231420.8	6.934 mg/L	6.934 mg/L	00:12:18
1	Fe 238.204†	18541291.5	15335769.5	129.6 mg/L	129.6 mg/L	00:12:14
1	Mg 279.077†	384174.5	317624.6	27.98 mg/L	27.98 mg/L	00:12:18
1	Mn 257.610†	1379538.8	1139879.9	2.013 mg/L	2.013 mg/L	00:12:18
1	Mo 202.031†	308.8	228.3	-0.0387 mg/L	-0.0387 mg/L	00:12:20
1	Ni 231.604†	14816.9	12274.2	0.4312 mg/L	0.4312 mg/L	00:12:20
1	P 214.914†	14209.2	11410.1	7.033 mg/L	7.033 mg/L	00:12:20
1	Pb 220.353†	24209.1	19965.7	1.680 mg/L	1.680 mg/L	00:12:20
1	Sb 206.836†	75.2	25.4	-0.0450 mg/L	-0.0450 mg/L	00:12:30
1	Se 196.026†	-59.2	-49.0	0.0138 mg/L	0.0138 mg/L	00:12:30
1	Sn 189.927†	1596.5	1317.6	0.7260 mg/L	0.7260 mg/L	00:12:30
1	Ti 337.279†	3933304.8	3253785.5	4.602 mg/L	4.602 mg/L	00:12:18
1	Tl 190.801†	18.0	12.9	-0.0862 mg/L	-0.0862 mg/L	00:12:30
1	V 292.402†	41833.9	35284.8	0.1879 mg/L	0.1879 mg/L	00:12:20
1	Zn 213.857†	491795.1	405973.9	4.349 mg/L	4.349 mg/L	00:12:20
2	B 249.677†	55.5	41.6	0.0267 mg/L	0.0267 mg/L	00:12:08
2	Fe 234.349†	210010.1	173225.1	148.5 mg/L	148.5 mg/L	00:12:05
2	K 766.490†	14092.8	11455.2	6.359 mg/L	6.359 mg/L	00:12:08
2	Li 670.784†	5215.2	4477.0	0.1389 mg/L	0.1389 mg/L	00:12:08
2	Na 589.592†	4791.5	3801.5	0.7231 mg/L	0.7231 mg/L	00:12:08
2	Sr 407.771†	336337.3	277284.9	0.2913 mg/L	0.2913 mg/L	00:12:05
2	Y 371.029	3003107.3	3003107.3	1.21 mg/L		00:12:38
2	Ag 328.068†	41030.1	32458.0	0.2861 mg/L	0.2861 mg/L	00:12:40
2	Al 237.313†	995735.7	821424.6	106.0 mg/L	106.0 mg/L	00:12:38
2	As 188.979†	65.3	50.8	0.1271 mg/L	0.1271 mg/L	00:12:51
2	B 182.528†	21.5	15.1	0.0348 mg/L	0.0348 mg/L	00:12:51
2	Ba 233.527†	43467.7	35907.2	0.4949 mg/L	0.4949 mg/L	00:12:40
2	Be 313.107†	8041.9	7148.9	0.0041 mg/L	0.0041 mg/L	00:12:40
2	Ca 315.887†	6303828.9	5199336.7	48.96 mg/L	48.96 mg/L	00:12:35
2	Cd 228.802†	481.6	334.4	0.0115 mg/L	0.0115 mg/L	00:12:51
2	Co 228.616†	3077.7	2603.4	0.0536 mg/L	0.0536 mg/L	00:12:51
2	Cr 267.716†	11086.4	8735.9	0.0930 mg/L	0.0930 mg/L	00:12:40
2	Cu 324.752†	1498743.5	1234951.9	6.954 mg/L	6.954 mg/L	00:12:38
2	Fe 238.204†	18556961.8	15305891.5	129.4 mg/L	129.4 mg/L	00:12:35
2	Mg 279.077†	386545.1	318693.1	28.08 mg/L	28.08 mg/L	00:12:38
2	Mn 257.610†	1387004.8	1142853.2	2.018 mg/L	2.018 mg/L	00:12:38
2	Mo 202.031†	284.5	207.5	-0.0402 mg/L	-0.0402 mg/L	00:12:40
2	Ni 231.604†	14550.9	12020.6	0.4222 mg/L	0.4222 mg/L	00:12:40
2	P 214.914†	13847.5	11078.9	6.838 mg/L	6.838 mg/L	00:12:40
2	Pb 220.353†	23588.6	19398.1	1.631 mg/L	1.631 mg/L	00:12:40
2	Sb 206.836†	68.1	19.3	-0.0506 mg/L	-0.0506 mg/L	00:12:51
2	Se 196.026†	-59.5	-49.2	0.0141 mg/L	0.0141 mg/L	00:12:51
2	Sn 189.927†	1601.1	1317.7	0.7293 mg/L	0.7293 mg/L	00:12:51
2	Ti 337.279†	3958361.9	3265372.8	4.619 mg/L	4.619 mg/L	00:12:38
2	Tl 190.801†	13.8	9.4	-0.0893 mg/L	-0.0893 mg/L	00:12:51
2	V 292.402†	41185.3	34653.3	0.1837 mg/L	0.1837 mg/L	00:12:40
2	Zn 213.857†	483903.8	398329.7	4.266 mg/L	4.266 mg/L	00:12:40

Mean Data: 1210127-08

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2998916.4	1.21	mg/L	0.002				0.20%
Ag 328.068†	32732.4	0.2884	mg/L	0.00324	0.2884	mg/L	0.00324	1.12%
Al 237.313†	819791.9	105.8	mg/L	0.30	105.8	mg/L	0.30	0.28%
As 188.979†	48.0	0.1233	mg/L	0.00527	0.1233	mg/L	0.00527	4.27%
B 182.528†	17.7	0.0399	mg/L	0.00723	0.0399	mg/L	0.00723	18.12%
B 249.677†	44.4	0.0283	mg/L	0.00228	0.0283	mg/L	0.00228	8.05%
Ba 233.527†	36249.3	0.4996	mg/L	0.00669	0.4996	mg/L	0.00669	1.34%
Be 313.107†	7223.0	0.0042	mg/L	0.00006	0.0042	mg/L	0.00006	1.51%
Ca 315.887†	5207477.3	49.04	mg/L	0.108	49.04	mg/L	0.108	0.22%

Cd	228.802†	342.2	0.0118 mg/L	0.00041	0.0118 mg/L	0.00041	3.50%
Co	228.616†	2622.6	0.0541 mg/L	0.00071	0.0541 mg/L	0.00071	1.31%
Cr	267.716†	8819.3	0.0939 mg/L	0.00130	0.0939 mg/L	0.00130	1.38%
Cu	324.752†	1233186.3	6.944 mg/L	0.0141	6.944 mg/L	0.0141	0.20%
Fe	234.349†	172567.6	147.9 mg/L	0.80	147.9 mg/L	0.80	0.54%
Fe	238.204†	15320830.5	129.5 mg/L	0.18	129.5 mg/L	0.18	0.14%
K	766.490†	11388.4	6.323 mg/L	0.0508	6.323 mg/L	0.0508	0.80%
Li	670.784†	4406.8	0.1367 mg/L	0.00307	0.1367 mg/L	0.00307	2.24%
Mg	279.077†	318158.9	28.03 mg/L	0.067	28.03 mg/L	0.067	0.24%
Mn	257.610†	1141366.6	2.015 mg/L	0.0037	2.015 mg/L	0.0037	0.18%
Mo	202.031†	217.9	-0.0395 mg/L	0.00104	-0.0395 mg/L	0.00104	2.64%
Na	589.592†	3742.4	0.7134 mg/L	0.01367	0.7134 mg/L	0.01367	1.92%
Ni	231.604†	12147.4	0.4267 mg/L	0.00635	0.4267 mg/L	0.00635	1.49%
P	214.914†	11244.5	6.936 mg/L	0.1377	6.936 mg/L	0.1377	1.99%
Pb	220.353†	19681.9	1.656 mg/L	0.0347	1.656 mg/L	0.0347	2.09%
Sb	206.836†	22.4	-0.0478 mg/L	0.00395	-0.0478 mg/L	0.00395	8.27%
Se	196.026†	-49.1	0.0139 mg/L	0.00021	0.0139 mg/L	0.00021	1.52%
Sn	189.927†	1317.7	0.7277 mg/L	0.00234	0.7277 mg/L	0.00234	0.32%
Sr	407.771†	276226.7	0.2902 mg/L	0.00157	0.2902 mg/L	0.00157	0.54%
Ti	337.279†	3259579.2	4.610 mg/L	0.0116	4.610 mg/L	0.0116	0.25%
Tl	190.801†	11.2	-0.0878 mg/L	0.00219	-0.0878 mg/L	0.00219	2.50%
V	292.402†	34969.1	0.1858 mg/L	0.00297	0.1858 mg/L	0.00297	1.60%
Zn	213.857†	402151.8	4.308 mg/L	0.0581	4.308 mg/L	0.0581	1.35%

Sequence No.: 121
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/7/2012 12:14:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	986.6	818.4	0.4781 mg/L	0.4781 mg/L	00:16:18
1	Fe 234.349†	3818.4	3189.5	2.740 mg/L	2.740 mg/L	00:16:18
1	K 766.490†	51965.5	43159.8	23.41 mg/L	23.41 mg/L	00:16:07
1	Li 670.784†	18299.2	15433.2	0.4773 mg/L	0.4773 mg/L	00:16:07
1	Na 589.592†	170870.8	142320.3	23.38 mg/L	23.38 mg/L	00:16:07
1	Sr 407.771†	55711.1	46320.5	0.0490 mg/L	0.0490 mg/L	00:16:07
1	Y 371.029	2970768.4	2970768.4	1.20 mg/L		00:16:34
1	Ag 328.068†	38507.6	30723.1	0.2602 mg/L	0.2602 mg/L	00:16:36
1	Al 237.313†	24343.5	20424.9	2.634 mg/L	2.634 mg/L	00:16:36
1	As 188.979†	499.2	413.2	0.5175 mg/L	0.5175 mg/L	00:16:46
1	B 182.528†	330.8	273.2	0.5385 mg/L	0.5385 mg/L	00:16:46
1	Ba 233.527†	45799.8	38241.9	0.5270 mg/L	0.5270 mg/L	00:16:36
1	Be 313.107†	98276.2	82457.9	0.0491 mg/L	0.0491 mg/L	00:16:36
1	Ca 315.887†	618543.8	515585.7	4.843 mg/L	4.843 mg/L	00:16:34
1	Cd 228.802†	8292.5	6851.4	0.2404 mg/L	0.2404 mg/L	00:16:46
1	Co 228.616†	24357.6	20374.0	0.5081 mg/L	0.5081 mg/L	00:16:36
1	Cr 267.716†	56002.7	46286.3	0.5071 mg/L	0.5071 mg/L	00:16:36
1	Cu 324.752†	112213.6	92329.7	0.5170 mg/L	0.5170 mg/L	00:16:36
1	Fe 238.204†	374691.6	312258.5	2.628 mg/L	2.628 mg/L	00:16:36
1	Mg 279.077†	70456.0	58610.8	5.133 mg/L	5.133 mg/L	00:16:36
1	Mn 257.610†	356999.3	296495.3	0.5215 mg/L	0.5215 mg/L	00:16:36
1	Mo 202.031†	11179.9	9294.6	0.4941 mg/L	0.4941 mg/L	00:16:46
1	Ni 231.604†	18507.3	15450.1	0.5445 mg/L	0.5445 mg/L	00:16:36
1	P 214.914†	10101.2	8079.6	4.828 mg/L	4.828 mg/L	00:16:46
1	Pb 220.353†	7034.1	5806.9	0.4955 mg/L	0.4955 mg/L	00:16:46
1	Sb 206.836†	793.9	625.1	0.5246 mg/L	0.5246 mg/L	00:16:46
1	Se 196.026†	1295.4	1080.0	1.047 mg/L	1.047 mg/L	00:16:46
1	Sn 189.927†	2795.0	2327.6	0.5316 mg/L	0.5316 mg/L	00:16:46
1	Ti 337.279†	414468.7	346040.3	0.4876 mg/L	0.4876 mg/L	00:16:34
1	Tl 190.801†	839.2	697.8	0.4776 mg/L	0.4776 mg/L	00:16:46
1	V 292.402†	97142.6	81679.9	0.5153 mg/L	0.5153 mg/L	00:16:36
1	Zn 213.857†	60382.7	49545.5	0.5277 mg/L	0.5277 mg/L	00:16:36
2	B 249.677†	975.2	808.1	0.4721 mg/L	0.4721 mg/L	00:16:30
2	Fe 234.349†	3710.6	3096.1	2.660 mg/L	2.660 mg/L	00:16:30
2	K 766.490†	52409.3	43481.1	23.58 mg/L	23.58 mg/L	00:16:20
2	Li 670.784†	18541.5	15618.0	0.4830 mg/L	0.4830 mg/L	00:16:20
2	Na 589.592†	172197.8	143266.7	23.54 mg/L	23.54 mg/L	00:16:20
2	Sr 407.771†	56008.5	46516.5	0.0493 mg/L	0.0493 mg/L	00:16:20

2	Y 371.029	2974082.7	2974082.7	1.20 mg/L			00:16:49
2	Ag 328.068†	38571.0	30740.2	0.2603 mg/L	0.2603 mg/L		00:16:51
2	Al 237.313†	24361.2	20417.0	2.633 mg/L	2.633 mg/L		00:16:51
2	As 188.979†	508.4	420.4	0.5264 mg/L	0.5264 mg/L		00:17:01
2	B 182.528†	326.4	269.2	0.5306 mg/L	0.5306 mg/L		00:17:01
2	Ba 233.527†	46151.2	38492.1	0.5305 mg/L	0.5305 mg/L		00:16:51
2	Be 313.107†	99027.4	82992.2	0.0495 mg/L	0.0495 mg/L		00:16:51
2	Ca 315.887†	617798.6	514390.3	4.832 mg/L	4.832 mg/L		00:16:49
2	Cd 228.802†	8395.6	6929.6	0.2431 mg/L	0.2431 mg/L		00:17:01
2	Co 228.616†	24500.7	20470.6	0.5106 mg/L	0.5106 mg/L		00:16:51
2	Cr 267.716†	56204.8	46402.6	0.5084 mg/L	0.5084 mg/L		00:16:51
2	Cu 324.752†	112663.5	92600.1	0.5185 mg/L	0.5185 mg/L		00:16:51
2	Fe 238.204†	373353.9	310796.3	2.616 mg/L	2.616 mg/L		00:16:51
2	Mg 279.077†	70790.6	58824.1	5.152 mg/L	5.152 mg/L		00:16:51
2	Mn 257.610†	358686.9	297569.2	0.5234 mg/L	0.5234 mg/L		00:16:51
2	Mo 202.031†	11295.1	9380.1	0.4987 mg/L	0.4987 mg/L		00:17:01
2	Ni 231.604†	18628.6	15533.9	0.5475 mg/L	0.5475 mg/L		00:16:51
2	P 214.914†	10271.9	8212.4	4.907 mg/L	4.907 mg/L		00:17:01
2	Pb 220.353†	7121.6	5873.2	0.5012 mg/L	0.5012 mg/L		00:17:01
2	Sb 206.836†	794.8	625.2	0.5247 mg/L	0.5247 mg/L		00:17:01
2	Se 196.026†	1300.1	1082.7	1.050 mg/L	1.050 mg/L		00:17:01
2	Sn 189.927†	2811.7	2338.9	0.5339 mg/L	0.5339 mg/L		00:17:01
2	Ti 337.279†	414713.1	345858.7	0.4873 mg/L	0.4873 mg/L		00:16:49
2	Tl 190.801†	850.8	706.6	0.4838 mg/L	0.4838 mg/L		00:17:01
2	V 292.402†	97765.2	82108.2	0.5180 mg/L	0.5180 mg/L		00:16:51
2	Zn 213.857†	60611.6	49680.0	0.5291 mg/L	0.5291 mg/L		00:16:51

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2972425.5	1.20 mg/L		0.001				0.08%
Ag 328.068†	30731.7	0.2602 mg/L		0.00010	0.2602 mg/L		0.00010	0.04%
QC value within limits for Ag 328.068								Recovery = 104.09%
Al 237.313†	20421.0	2.634 mg/L		0.0007	2.634 mg/L		0.0007	0.03%
QC value within limits for Al 237.313								Recovery = 105.35%
As 188.979†	416.8	0.5219 mg/L		0.00631	0.5219 mg/L		0.00631	1.21%
QC value within limits for As 188.979								Recovery = 104.39%
B 182.528†	271.2	0.5346 mg/L		0.00557	0.5346 mg/L		0.00557	1.04%
QC value within limits for B 182.528								Recovery = 106.92%
B 249.677†	813.2	0.4751 mg/L		0.00427	0.4751 mg/L		0.00427	0.90%
QC value within limits for B 249.677								Recovery = 95.01%
Ba 233.527†	38367.0	0.5288 mg/L		0.00245	0.5288 mg/L		0.00245	0.46%
QC value within limits for Ba 233.527								Recovery = 105.75%
Be 313.107†	82725.0	0.0493 mg/L		0.00023	0.0493 mg/L		0.00023	0.46%
QC value within limits for Be 313.107								Recovery = 98.60%
Ca 315.887†	514988.0	4.838 mg/L		0.0080	4.838 mg/L		0.0080	0.16%
QC value within limits for Ca 315.887								Recovery = 96.76%
Cd 228.802†	6890.5	0.2418 mg/L		0.00193	0.2418 mg/L		0.00193	0.80%
QC value within limits for Cd 228.802								Recovery = 96.71%
Co 228.616†	20422.3	0.5093 mg/L		0.00172	0.5093 mg/L		0.00172	0.34%
QC value within limits for Co 228.616								Recovery = 101.87%
Cr 267.716†	46344.4	0.5078 mg/L		0.00091	0.5078 mg/L		0.00091	0.18%
QC value within limits for Cr 267.716								Recovery = 101.56%
Cu 324.752†	92464.9	0.5177 mg/L		0.00108	0.5177 mg/L		0.00108	0.21%
QC value within limits for Cu 324.752								Recovery = 103.54%
Fe 234.349†	3142.8	2.700 mg/L		0.0566	2.700 mg/L		0.0566	2.10%
QC value within limits for Fe 234.349								Recovery = 108.01%
Fe 238.204†	311527.4	2.622 mg/L		0.0087	2.622 mg/L		0.0087	0.33%
QC value within limits for Fe 238.204								Recovery = 104.88%
K 766.490†	43320.4	23.50 mg/L		0.122	23.50 mg/L		0.122	0.52%
QC value within limits for K 766.490								Recovery = 93.99%
Li 670.784†	15525.6	0.4802 mg/L		0.00404	0.4802 mg/L		0.00404	0.84%
QC value within limits for Li 670.784								Recovery = 96.03%
Mg 279.077†	58717.4	5.143 mg/L		0.0133	5.143 mg/L		0.0133	0.26%
QC value within limits for Mg 279.077								Recovery = 102.85%
Mn 257.610†	297032.2	0.5224 mg/L		0.00134	0.5224 mg/L		0.00134	0.26%
QC value within limits for Mn 257.610								Recovery = 104.49%
Mo 202.031†	9337.4	0.4964 mg/L		0.00324	0.4964 mg/L		0.00324	0.65%
QC value within limits for Mo 202.031								Recovery = 99.28%
Na 589.592†	142793.5	23.46 mg/L		0.109	23.46 mg/L		0.109	0.47%
QC value within limits for Na 589.592								Recovery = 93.83%
Ni 231.604†	15492.0	0.5460 mg/L		0.00210	0.5460 mg/L		0.00210	0.39%

QC value within limits for Ni 231.604	Recovery = 109.20%
P 214.914†	8146.0 4.868 mg/L 0.0557 4.868 mg/L 0.0557 1.14%
QC value within limits for P 214.914	Recovery = 97.35%
Pb 220.353†	5840.0 0.4983 mg/L 0.00405 0.4983 mg/L 0.00405 0.81%
QC value within limits for Pb 220.353	Recovery = 99.67%
Sb 206.836†	625.2 0.5246 mg/L 0.00007 0.5246 mg/L 0.00007 0.01%
QC value within limits for Sb 206.836	Recovery = 104.93%
Se 196.026†	1081.4 1.048 mg/L 0.0018 1.048 mg/L 0.0018 0.17%
QC value within limits for Se 196.026	Recovery = 104.83%
Sn 189.927†	2333.2 0.5328 mg/L 0.00165 0.5328 mg/L 0.00165 0.31%
QC value within limits for Sn 189.927	Recovery = 106.55%
Sr 407.771†	46418.5 0.0492 mg/L 0.00015 0.0492 mg/L 0.00015 0.30%
QC value within limits for Sr 407.771	Recovery = 98.30%
Ti 337.279†	345949.5 0.4875 mg/L 0.00018 0.4875 mg/L 0.00018 0.04%
QC value within limits for Ti 337.279	Recovery = 97.50%
Tl 190.801†	702.2 0.4807 mg/L 0.00438 0.4807 mg/L 0.00438 0.91%
QC value within limits for Tl 190.801	Recovery = 96.15%
V 292.402†	81894.0 0.5166 mg/L 0.00194 0.5166 mg/L 0.00194 0.37%
QC value within limits for V 292.402	Recovery = 103.32%
Zn 213.857†	49612.8 0.5284 mg/L 0.00101 0.5284 mg/L 0.00101 0.19%
QC value within limits for Zn 213.857	Recovery = 105.67%

All analyte(s) passed QC.

Sequence No.: 122 Autosampler Location: 1
Sample ID: CCB1 Date Collected: 10/7/2012 12:18:40 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	13.9	7.0	0.0067	mg/L	0.0067	mg/L	00:20:40
1	Fe 234.349†	28.2	28.4	0.0428	mg/L	0.0428	mg/L	00:20:40
1	K 766.490†	237.5	21.9	0.2090	mg/L	0.2090	mg/L	00:20:30
1	Li 670.784†	-154.8	51.2	0.0022	mg/L	0.0022	mg/L	00:20:30
1	Na 589.592†	327.9	112.6	0.1197	mg/L	0.1197	mg/L	00:20:30
1	Sr 407.771†	330.3	134.2	0.0006	mg/L	0.0006	mg/L	00:20:30
1	Y 371.029	3085780.1	3085780.1	1.25	mg/L			00:21:04
1	Ag 328.068†	1455.0	-216.3	-0.0034	mg/L	-0.0034	mg/L	00:21:07
1	Al 237.313†	-16.5	114.3	0.0070	mg/L	0.0070	mg/L	00:21:17
1	As 188.979†	7.2	2.8	0.0051	mg/L	0.0051	mg/L	00:21:17
1	B 182.528†	1.3	-1.6	0.0023	mg/L	0.0023	mg/L	00:21:17
1	Ba 233.527†	20.9	71.2	-0.0009	mg/L	-0.0009	mg/L	00:21:17
1	Be 313.107†	-366.4	221.7	0.0000	mg/L	0.0000	mg/L	00:21:07
1	Ca 315.887†	1837.5	1323.2	-0.0038	mg/L	-0.0038	mg/L	00:21:07
1	Cd 228.802†	81.9	2.9	0.0000	mg/L	0.0000	mg/L	00:21:17
1	Co 228.616†	-23.2	46.3	-0.0016	mg/L	-0.0016	mg/L	00:21:17
1	Cr 267.716†	479.7	-23.3	-0.0035	mg/L	-0.0035	mg/L	00:21:07
1	Cu 324.752†	2007.5	378.2	-0.0012	mg/L	-0.0012	mg/L	00:21:07
1	Fe 238.204†	3343.2	2526.9	0.0096	mg/L	0.0096	mg/L	00:21:17
1	Mg 279.077†	265.1	77.9	-0.0309	mg/L	-0.0309	mg/L	00:21:07
1	Mn 257.610†	1047.5	-327.4	-0.0035	mg/L	-0.0035	mg/L	00:21:17
1	Mo 202.031†	60.4	21.4	0.0009	mg/L	0.0009	mg/L	00:21:17
1	Ni 231.604†	28.9	42.0	-0.0023	mg/L	-0.0023	mg/L	00:21:17
1	P 214.914†	368.3	-47.0	-0.0001	mg/L	-0.0001	mg/L	00:21:17
1	Pb 220.353†	188.4	93.1	0.0041	mg/L	0.0041	mg/L	00:21:17
1	Sb 206.836†	35.6	-8.3	-0.0081	mg/L	-0.0081	mg/L	00:21:17
1	Se 196.026†	7.2	5.7	0.0041	mg/L	0.0041	mg/L	00:21:17
1	Sn 189.927†	9.4	4.7	-0.0015	mg/L	-0.0015	mg/L	00:21:17
1	Ti 337.279†	769.3	1076.6	-0.0005	mg/L	-0.0005	mg/L	00:21:07
1	Tl 190.801†	4.2	1.4	-0.0035	mg/L	-0.0035	mg/L	00:21:17
1	V 292.402†	-594.6	205.8	-0.0009	mg/L	-0.0009	mg/L	00:21:07
1	Zn 213.857†	1304.0	245.6	0.0016	mg/L	0.0016	mg/L	00:21:17
2	B 249.677†	9.8	3.6	0.0047	mg/L	0.0047	mg/L	00:21:01
2	Fe 234.349†	18.3	20.3	0.0359	mg/L	0.0359	mg/L	00:21:01
2	K 766.490†	254.5	33.2	0.2151	mg/L	0.2151	mg/L	00:20:51
2	Li 670.784†	-156.4	51.4	0.0022	mg/L	0.0022	mg/L	00:20:51
2	Na 589.592†	276.4	68.7	0.1125	mg/L	0.1125	mg/L	00:20:51
2	Sr 407.771†	284.3	94.7	0.0006	mg/L	0.0006	mg/L	00:20:51
2	Y 371.029	3121837.4	3121837.4	1.26	mg/L			00:21:19

2	Ag 328.068†	1430.7	-249.1	-0.0036 mg/L	-0.0036 mg/L	00:21:21
2	Al 237.313†	-54.0	84.7	0.0031 mg/L	0.0031 mg/L	00:21:32
2	As 188.979†	4.8	0.8	0.0027 mg/L	0.0027 mg/L	00:21:32
2	B 182.528†	0.9	-1.9	0.0016 mg/L	0.0016 mg/L	00:21:32
2	Ba 233.527†	13.1	64.8	-0.0010 mg/L	-0.0010 mg/L	00:21:32
2	Be 313.107†	-310.1	269.8	0.0000 mg/L	0.0000 mg/L	00:21:21
2	Ca 315.887†	1669.8	1173.1	-0.0052 mg/L	-0.0052 mg/L	00:21:21
2	Cd 228.802†	75.6	-2.8	-0.0001 mg/L	-0.0001 mg/L	00:21:32
2	Co 228.616†	-28.4	42.4	-0.0017 mg/L	-0.0017 mg/L	00:21:32
2	Cr 267.716†	445.0	-55.3	-0.0038 mg/L	-0.0038 mg/L	00:21:21
2	Cu 324.752†	2000.3	353.9	-0.0013 mg/L	-0.0013 mg/L	00:21:21
2	Fe 238.204†	3106.5	2308.1	0.0078 mg/L	0.0078 mg/L	00:21:32
2	Mg 279.077†	292.1	96.8	-0.0293 mg/L	-0.0293 mg/L	00:21:21
2	Mn 257.610†	996.1	-377.9	-0.0035 mg/L	-0.0035 mg/L	00:21:32
2	Mo 202.031†	50.4	12.9	0.0004 mg/L	0.0004 mg/L	00:21:32
2	Ni 231.604†	13.2	29.2	-0.0027 mg/L	-0.0027 mg/L	00:21:32
2	P 214.914†	359.1	-57.8	-0.0065 mg/L	-0.0065 mg/L	00:21:32
2	Pb 220.353†	174.2	80.1	0.0030 mg/L	0.0030 mg/L	00:21:32
2	Sb 206.836†	28.1	-14.5	-0.0134 mg/L	-0.0134 mg/L	00:21:32
2	Se 196.026†	5.2	4.1	0.0025 mg/L	0.0025 mg/L	00:21:32
2	Sn 189.927†	14.6	8.7	-0.0006 mg/L	-0.0006 mg/L	00:21:32
2	Ti 337.279†	856.0	1138.3	-0.0004 mg/L	-0.0004 mg/L	00:21:21
2	Tl 190.801†	3.5	0.8	-0.0039 mg/L	-0.0039 mg/L	00:21:32
2	V 292.402†	-508.6	279.5	-0.0004 mg/L	-0.0004 mg/L	00:21:21
2	Zn 213.857†	1307.3	236.1	0.0015 mg/L	0.0015 mg/L	00:21:32

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3103808.7	1.25 mg/L	0.010			0.82%
Ag 328.068†	-232.7	-0.0035 mg/L	0.00020	-0.0035 mg/L	0.00020	5.65%
QC value less than the lower limit for Ag 328.068			Recovery = Not calculated			
Al 237.313†	99.5	0.0050 mg/L	0.00271	0.0050 mg/L	0.00271	53.62%
QC value within limits for Al 237.313			Recovery = Not calculated			
As 188.979†	1.8	0.0039 mg/L	0.00176	0.0039 mg/L	0.00176	45.21%
QC value within limits for As 188.979			Recovery = Not calculated			
B 182.528†	-1.7	0.0020 mg/L	0.00044	0.0020 mg/L	0.00044	22.33%
QC value within limits for B 182.528			Recovery = Not calculated			
B 249.677†	5.3	0.0057 mg/L	0.00139	0.0057 mg/L	0.00139	24.34%
QC value within limits for B 249.677			Recovery = Not calculated			
Ba 233.527†	68.0	-0.0010 mg/L	0.00006	-0.0010 mg/L	0.00006	6.48%
QC value within limits for Ba 233.527			Recovery = Not calculated			
Be 313.107†	245.8	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	125.42%
QC value within limits for Be 313.107			Recovery = Not calculated			
Ca 315.887†	1248.2	-0.0045 mg/L	0.00100	-0.0045 mg/L	0.00100	22.29%
QC value within limits for Ca 315.887			Recovery = Not calculated			
Cd 228.802†	0.0	0.0000 mg/L	0.00014	0.0000 mg/L	0.00014	293.01%
QC value within limits for Cd 228.802			Recovery = Not calculated			
Co 228.616†	44.3	-0.0016 mg/L	0.00007	-0.0016 mg/L	0.00007	4.31%
QC value less than the lower limit for Co 228.616			Recovery = Not calculated			
Cr 267.716†	-39.3	-0.0036 mg/L	0.00025	-0.0036 mg/L	0.00025	6.85%
QC value within limits for Cr 267.716			Recovery = Not calculated			
Cu 324.752†	366.1	-0.0013 mg/L	0.00010	-0.0013 mg/L	0.00010	7.66%
QC value within limits for Cu 324.752			Recovery = Not calculated			
Fe 234.349†	24.3	0.0393 mg/L	0.00488	0.0393 mg/L	0.00488	12.40%
QC value greater than the upper limit for Fe 234.349			Recovery = Not calculated			
Fe 238.204†	2417.5	0.0087 mg/L	0.00131	0.0087 mg/L	0.00131	14.98%
QC value within limits for Fe 238.204			Recovery = Not calculated			
K 766.490†	27.6	0.2120 mg/L	0.00431	0.2120 mg/L	0.00431	2.03%
QC value greater than the upper limit for K 766.490			Recovery = Not calculated			
Li 670.784†	51.3	0.0022 mg/L	0.00000	0.0022 mg/L	0.00000	0.17%
QC value within limits for Li 670.784			Recovery = Not calculated			
Mg 279.077†	87.3	-0.0301 mg/L	0.00118	-0.0301 mg/L	0.00118	3.93%
QC value less than the lower limit for Mg 279.077			Recovery = Not calculated			
Mn 257.610†	-352.6	-0.0035 mg/L	0.00006	-0.0035 mg/L	0.00006	1.80%
QC value within limits for Mn 257.610			Recovery = Not calculated			
Mo 202.031†	17.1	0.0007 mg/L	0.00032	0.0007 mg/L	0.00032	48.14%
QC value within limits for Mo 202.031			Recovery = Not calculated			
Na 589.592†	90.7	0.1161 mg/L	0.00508	0.1161 mg/L	0.00508	4.37%
QC value within limits for Na 589.592			Recovery = Not calculated			
Ni 231.604†	35.6	-0.0025 mg/L	0.00032	-0.0025 mg/L	0.00032	12.74%
QC value less than the lower limit for Ni 231.604			Recovery = Not calculated			

P 214.914†	-52.4	-0.0033 mg/L	0.00453	-0.0033 mg/L	0.00453	136.70%
QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	86.6	0.0036 mg/L	0.00079	0.0036 mg/L	0.00079	22.05%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-11.4	-0.0108 mg/L	0.00371	-0.0108 mg/L	0.00371	34.45%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated						
Se 196.026†	4.9	0.0033 mg/L	0.00113	0.0033 mg/L	0.00113	34.54%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	6.7	-0.0011 mg/L	0.00063	-0.0011 mg/L	0.00063	58.85%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	114.4	0.0006 mg/L	0.00003	0.0006 mg/L	0.00003	5.09%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	1107.5	-0.0005 mg/L	0.00006	-0.0005 mg/L	0.00006	12.62%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	1.1	-0.0037 mg/L	0.00030	-0.0037 mg/L	0.00030	8.07%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	242.7	-0.0006 mg/L	0.00032	-0.0006 mg/L	0.00032	50.13%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	240.9	0.0015 mg/L	0.00007	0.0015 mg/L	0.00007	4.69%
QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

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Sequence No.: 123                               Autosampler Location: 109
Sample ID: 1210127-09                         Date Collected: 10/7/2012 12:23:09 AM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: 1210127-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	10.9	4.7	0.0053	mg/L	0.0053	mg/L	00:25:01
1	Fe 234.349†	110158.4	90083.5	77.23	mg/L	77.23	mg/L	00:24:51
1	K 766.490†	14660.8	11819.5	6.555	mg/L	6.555	mg/L	00:25:01
1	Li 670.784†	2530.3	2244.5	0.0699	mg/L	0.0699	mg/L	00:25:01
1	Na 589.592†	4202.3	3285.7	0.6387	mg/L	0.6387	mg/L	00:25:01
1	Sr 407.771†	59888.1	48840.2	0.0517	mg/L	0.0517	mg/L	00:24:51
1	Y 371.029	3029196.5	3029196.5	1.22	mg/L			00:25:21
1	Ag 328.068†	729.4	-787.7	-0.0023	mg/L	-0.0023	mg/L	00:25:24
1	Al 237.313†	656221.8	536727.0	69.29	mg/L	69.29	mg/L	00:25:21
1	As 188.979†	20.2	13.6	0.0508	mg/L	0.0508	mg/L	00:25:34
1	B 182.528†	17.4	11.6	0.0280	mg/L	0.0280	mg/L	00:25:34
1	Ba 233.527†	20449.9	16776.5	0.2302	mg/L	0.2302	mg/L	00:25:24
1	Be 313.107†	4285.2	4019.9	0.0022	mg/L	0.0022	mg/L	00:25:24
1	Ca 315.887†	908515.6	742751.0	6.981	mg/L	6.981	mg/L	00:25:21
1	Cd 228.802†	113.7	30.1	0.0009	mg/L	0.0009	mg/L	00:25:34
1	Co 228.616†	1529.1	1315.2	0.0226	mg/L	0.0226	mg/L	00:25:34
1	Cr 267.716†	8190.2	6288.8	0.0661	mg/L	0.0661	mg/L	00:25:24
1	Cu 324.752†	12616.9	9083.8	0.0509	mg/L	0.0509	mg/L	00:25:24
1	Fe 238.204†	9908517.5	8102142.7	68.47	mg/L	68.47	mg/L	00:25:19
1	Mg 279.077†	242359.2	198044.7	17.43	mg/L	17.43	mg/L	00:25:21
1	Mn 257.610†	647032.9	527917.4	0.9306	mg/L	0.9306	mg/L	00:25:21
1	Mo 202.031†	156.3	100.7	-0.0189	mg/L	-0.0189	mg/L	00:25:24
1	Ni 231.604†	2161.6	1786.3	0.0595	mg/L	0.0595	mg/L	00:25:24
1	P 214.914†	3736.1	2712.4	1.823	mg/L	1.823	mg/L	00:25:34
1	Pb 220.353†	916.8	691.6	0.0365	mg/L	0.0365	mg/L	00:25:34
1	Sb 206.836†	61.8	13.8	-0.0237	mg/L	-0.0237	mg/L	00:25:34
1	Se 196.026†	-19.6	-16.1	0.0158	mg/L	0.0158	mg/L	00:25:34
1	Sn 189.927†	-58.2	-50.4	0.2117	mg/L	0.2117	mg/L	00:25:34
1	Ti 337.279†	3372101.7	2757862.3	3.900	mg/L	3.900	mg/L	00:25:21
1	Tl 190.801†	14.0	9.4	-0.0475	mg/L	-0.0475	mg/L	00:25:34
1	V 292.402†	23494.3	19894.7	0.1051	mg/L	0.1051	mg/L	00:25:24
1	Zn 213.857†	22178.9	17334.8	0.1849	mg/L	0.1849	mg/L	00:25:24
2	B 249.677†	10.9	4.6	0.0052	mg/L	0.0052	mg/L	00:25:14
2	Fe 234.349†	112510.5	89776.4	76.97	mg/L	76.97	mg/L	00:25:04
2	K 766.490†	14585.4	11468.7	6.366	mg/L	6.366	mg/L	00:25:14
2	Li 670.784†	2555.7	2214.6	0.0690	mg/L	0.0690	mg/L	00:25:14
2	Na 589.592†	4179.0	3183.8	0.6221	mg/L	0.6221	mg/L	00:25:14
2	Sr 407.771†	61276.6	48760.8	0.0516	mg/L	0.0516	mg/L	00:25:04
2	Y 371.029	3104459.6	3104459.6	1.25	mg/L			00:25:39
2	Ag 328.068†	814.7	-734.1	-0.0018	mg/L	-0.0018	mg/L	00:25:42

2	Al 237.313†	672458.7	536673.2	69.28 mg/L	69.28 mg/L	00:25:39
2	As 188.979†	23.1	15.5	0.0531 mg/L	0.0531 mg/L	00:25:52
2	B 182.528†	17.5	11.3	0.0274 mg/L	0.0274 mg/L	00:25:52
2	Ba 233.527†	20464.2	16382.5	0.2247 mg/L	0.2247 mg/L	00:25:42
2	Be 313.107†	4241.8	3900.3	0.0022 mg/L	0.0022 mg/L	00:25:42
2	Ca 315.887†	936177.8	746811.8	7.020 mg/L	7.020 mg/L	00:25:39
2	Cd 228.802†	111.4	26.0	0.0008 mg/L	0.0008 mg/L	00:25:52
2	Co 228.616†	1549.9	1301.5	0.0223 mg/L	0.0223 mg/L	00:25:52
2	Cr 267.716†	8154.4	6098.0	0.0640 mg/L	0.0640 mg/L	00:25:42
2	Cu 324.752†	12638.3	8850.7	0.0496 mg/L	0.0496 mg/L	00:25:42
2	Fe 238.204†	9903043.0	7901346.3	66.77 mg/L	66.77 mg/L	00:25:37
2	Mg 279.077†	249924.9	199276.8	17.54 mg/L	17.54 mg/L	00:25:39
2	Mn 257.610†	663298.1	528068.3	0.9308 mg/L	0.9308 mg/L	00:25:39
2	Mo 202.031†	115.6	65.1	-0.0207 mg/L	-0.0207 mg/L	00:25:42
2	Ni 231.604†	2191.0	1767.0	0.0588 mg/L	0.0588 mg/L	00:25:42
2	P 214.914†	3756.4	2654.5	1.788 mg/L	1.788 mg/L	00:25:52
2	Pb 220.353†	902.4	661.9	0.0339 mg/L	0.0339 mg/L	00:25:52
2	Sb 206.836†	62.0	12.7	-0.0246 mg/L	-0.0246 mg/L	00:25:52
2	Se 196.026†	-20.9	-16.7	0.0151 mg/L	0.0151 mg/L	00:25:52
2	Sn 189.927†	-46.8	-40.2	0.2132 mg/L	0.2132 mg/L	00:25:52
2	Ti 337.279†	3449335.1	2752636.6	3.893 mg/L	3.893 mg/L	00:25:39
2	Tl 190.801†	11.5	7.2	-0.0489 mg/L	-0.0489 mg/L	00:25:52
2	V 292.402†	23531.3	19458.4	0.1024 mg/L	0.1024 mg/L	00:25:42
2	Zn 213.857†	22296.9	16989.2	0.1812 mg/L	0.1812 mg/L	00:25:42

Mean Data: 1210127-09

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3066828.0	1.24	mg/L	0.021			1.74%
Ag 328.068†	-760.9	-0.0020	mg/L	0.00031	-0.0020 mg/L	0.00031	15.09%
Al 237.313†	536700.1	69.28	mg/L	0.005	69.28 mg/L	0.005	0.01%
As 188.979†	14.5	0.0519	mg/L	0.00162	0.0519 mg/L	0.00162	3.13%
B 182.528†	11.5	0.0277	mg/L	0.00041	0.0277 mg/L	0.00041	1.48%
B 249.677†	4.6	0.0053	mg/L	0.00007	0.0053 mg/L	0.00007	1.33%
Ba 233.527†	16579.5	0.2275	mg/L	0.00385	0.2275 mg/L	0.00385	1.69%
Be 313.107†	3960.1	0.0022	mg/L	0.00005	0.0022 mg/L	0.00005	2.29%
Ca 315.887†	744781.4	7.001	mg/L	0.0270	7.001 mg/L	0.0270	0.39%
Cd 228.802†	28.1	0.0009	mg/L	0.00011	0.0009 mg/L	0.00011	12.63%
Co 228.616†	1308.4	0.0225	mg/L	0.00023	0.0225 mg/L	0.00023	1.04%
Cr 267.716†	6193.4	0.0650	mg/L	0.00149	0.0650 mg/L	0.00149	2.29%
Cu 324.752†	8967.2	0.0502	mg/L	0.00093	0.0502 mg/L	0.00093	1.86%
Fe 234.349†	89929.9	77.10	mg/L	0.186	77.10 mg/L	0.186	0.24%
Fe 238.204†	8001744.5	67.62	mg/L	1.200	67.62 mg/L	1.200	1.77%
K 766.490†	11644.1	6.460	mg/L	0.1334	6.460 mg/L	0.1334	2.07%
Li 670.784†	2229.5	0.0695	mg/L	0.00065	0.0695 mg/L	0.00065	0.94%
Mg 279.077†	198660.8	17.49	mg/L	0.077	17.49 mg/L	0.077	0.44%
Mn 257.610†	527992.8	0.9307	mg/L	0.00019	0.9307 mg/L	0.00019	0.02%
Mo 202.031†	82.9	-0.0198	mg/L	0.00128	-0.0198 mg/L	0.00128	6.46%
Na 589.592†	3234.7	0.6304	mg/L	0.01179	0.6304 mg/L	0.01179	1.87%
Ni 231.604†	1776.7	0.0592	mg/L	0.00049	0.0592 mg/L	0.00049	0.82%
P 214.914†	2683.4	1.805	mg/L	0.0248	1.805 mg/L	0.0248	1.37%
Pb 220.353†	676.7	0.0352	mg/L	0.00181	0.0352 mg/L	0.00181	5.13%
Sb 206.836†	13.2	-0.0242	mg/L	0.00057	-0.0242 mg/L	0.00057	2.38%
Se 196.026†	-16.4	0.0154	mg/L	0.00050	0.0154 mg/L	0.00050	3.27%
Sn 189.927†	-45.3	0.2124	mg/L	0.00109	0.2124 mg/L	0.00109	0.51%
Sr 407.771†	48800.5	0.0516	mg/L	0.00006	0.0516 mg/L	0.00006	0.11%
Ti 337.279†	2755249.4	3.897	mg/L	0.0052	3.897 mg/L	0.0052	0.13%
Tl 190.801†	8.3	-0.0482	mg/L	0.00098	-0.0482 mg/L	0.00098	2.04%
V 292.402†	19676.5	0.1037	mg/L	0.00191	0.1037 mg/L	0.00191	1.84%
Zn 213.857†	17162.0	0.1830	mg/L	0.00262	0.1830 mg/L	0.00262	1.43%

Sequence No.: 124

Sample ID: 1210127-10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 110

Date Collected: 10/7/2012 12:27:29 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	172.7	134.5	0.0807 mg/L	0.0807 mg/L	00:29:10
1	Fe 234.349†	333419.6	267738.4	229.5 mg/L	229.5 mg/L	00:29:08
1	K 766.490†	15766.9	12492.0	6.916 mg/L	6.916 mg/L	00:29:10
1	Li 670.784†	3298.3	2824.0	0.0878 mg/L	0.0878 mg/L	00:29:10
1	Na 589.592†	22585.3	17985.2	3.043 mg/L	3.043 mg/L	00:29:10
1	Sr 407.771†	377577.6	303060.1	0.3184 mg/L	0.3184 mg/L	00:29:08
1	Y 371.029	3084728.5	3084728.5	1.25 mg/L		00:29:26
1	Ag 328.068†	206011.4	164040.9	1.412 mg/L	1.412 mg/L	00:29:28
1	Al 237.313†	744923.2	598293.3	77.28 mg/L	77.28 mg/L	00:29:26
1	As 188.979†	138.5	108.3	0.2314 mg/L	0.2314 mg/L	00:29:38
1	B 182.528†	20.8	14.1	0.0328 mg/L	0.0328 mg/L	00:29:38
1	Ba 233.527†	288957.4	232084.3	3.209 mg/L	3.209 mg/L	00:29:26
1	Be 313.107†	38620.1	31527.4	0.0194 mg/L	0.0194 mg/L	00:29:28
1	Ca 315.887†	4199336.3	3371873.2	31.75 mg/L	31.75 mg/L	00:29:26
1	Cd 228.802†	2529.7	1968.5	0.0690 mg/L	0.0690 mg/L	00:29:38
1	Co 228.616†	5438.8	4432.2	0.1023 mg/L	0.1023 mg/L	00:29:38
1	Cr 267.716†	808231.5	648593.4	7.140 mg/L	7.140 mg/L	00:29:26
1	Cu 324.752†	16971537.4	13626740.9	76.73 mg/L	76.73 mg/L	00:29:22
1	Fe 238.204†	26626492.4	21380649.4	180.7 mg/L	180.7 mg/L	00:29:22
1	Mg 279.077†	278703.0	223660.8	19.70 mg/L	19.70 mg/L	00:29:26
1	Mn 257.610†	1682243.5	1349656.4	2.384 mg/L	2.384 mg/L	00:29:26
1	Mo 202.031†	1585.8	1246.3	-0.0586 mg/L	-0.0586 mg/L	00:29:28
1	Ni 231.604†	80519.8	64675.4	2.288 mg/L	2.288 mg/L	00:29:28
1	P 214.914†	45621.6	36291.0	20.72 mg/L	20.72 mg/L	00:29:28
1	Pb 220.353†	257268.7	206526.0	17.72 mg/L	17.72 mg/L	00:29:28
1	Sb 206.836†	40.9	-4.0	-0.1055 mg/L	-0.1055 mg/L	00:29:38
1	Se 196.026†	-43.1	-34.7	0.0626 mg/L	0.0626 mg/L	00:29:38
1	Sn 189.927†	27569.5	22135.2	5.673 mg/L	5.673 mg/L	00:29:28
1	Ti 337.279†	2818618.4	2263781.4	3.201 mg/L	3.201 mg/L	00:29:26
1	Tl 190.801†	4.1	1.3	-0.1408 mg/L	-0.1408 mg/L	00:29:38
1	V 292.402†	198212.7	159845.9	0.9965 mg/L	0.9965 mg/L	00:29:28
1	Zn 213.857†	2743934.0	2202550.3	23.53 mg/L	23.53 mg/L	00:29:26
2	B 249.677†	184.5	145.0	0.0868 mg/L	0.0868 mg/L	00:29:15
2	Fe 234.349†	330464.0	267165.9	229.0 mg/L	229.0 mg/L	00:29:12
2	K 766.490†	16050.6	12807.2	7.086 mg/L	7.086 mg/L	00:29:15
2	Li 670.784†	3193.6	2757.3	0.0858 mg/L	0.0858 mg/L	00:29:15
2	Na 589.592†	23110.4	18532.8	3.133 mg/L	3.133 mg/L	00:29:15
2	Sr 407.771†	374368.2	302523.0	0.3178 mg/L	0.3178 mg/L	00:29:12
2	Y 371.029	3063935.1	3063935.1	1.24 mg/L		00:29:47
2	Ag 328.068†	201667.9	161652.1	1.392 mg/L	1.392 mg/L	00:29:49
2	Al 237.313†	738687.8	597311.8	77.15 mg/L	77.15 mg/L	00:29:47
2	As 188.979†	143.9	113.3	0.2375 mg/L	0.2375 mg/L	00:29:59
2	B 182.528†	17.2	11.2	0.0272 mg/L	0.0272 mg/L	00:29:59
2	Ba 233.527†	285670.3	231001.6	3.194 mg/L	3.194 mg/L	00:29:47
2	Be 313.107†	38046.1	31273.8	0.0192 mg/L	0.0192 mg/L	00:29:49
2	Ca 315.887†	4160110.1	3363045.3	31.67 mg/L	31.67 mg/L	00:29:47
2	Cd 228.802†	2544.4	1994.2	0.0699 mg/L	0.0699 mg/L	00:29:59
2	Co 228.616†	5505.9	4516.0	0.1044 mg/L	0.1044 mg/L	00:29:59
2	Cr 267.716†	800001.0	646344.0	7.115 mg/L	7.115 mg/L	00:29:47
2	Cu 324.752†	16896837.3	13658836.5	76.91 mg/L	76.91 mg/L	00:29:43
2	Fe 238.204†	26505657.9	21428062.6	181.1 mg/L	181.1 mg/L	00:29:43
2	Mg 279.077†	275816.6	222846.1	19.62 mg/L	19.62 mg/L	00:29:47
2	Mn 257.610†	1667903.1	1347230.5	2.379 mg/L	2.379 mg/L	00:29:47
2	Mo 202.031†	1546.5	1223.1	-0.0598 mg/L	-0.0598 mg/L	00:29:49
2	Ni 231.604†	78914.5	63816.4	2.258 mg/L	2.258 mg/L	00:29:49
2	P 214.914†	44890.4	35948.5	20.51 mg/L	20.51 mg/L	00:29:49
2	Pb 220.353†	252097.7	203747.6	17.48 mg/L	17.48 mg/L	00:29:49
2	Sb 206.836†	41.5	-3.3	-0.1047 mg/L	-0.1047 mg/L	00:29:59
2	Se 196.026†	-36.6	-29.6	0.0673 mg/L	0.0673 mg/L	00:29:59
2	Sn 189.927†	26926.6	21765.7	5.588 mg/L	5.588 mg/L	00:29:49
2	Ti 337.279†	2797229.2	2261849.5	3.199 mg/L	3.199 mg/L	00:29:47
2	Tl 190.801†	9.4	5.6	-0.1375 mg/L	-0.1375 mg/L	00:29:59
2	V 292.402†	194859.7	158215.3	0.9863 mg/L	0.9863 mg/L	00:29:49
2	Zn 213.857†	2719612.7	2197841.1	23.48 mg/L	23.48 mg/L	00:29:47

Mean Data: 1210127-10

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3074331.8	1.24 mg/L	0.006			0.48%
Ag 328.068†	162846.5	1.402 mg/L	0.0144	1.402 mg/L	0.0144	1.03%
Al 237.313†	597802.6	77.22 mg/L	0.090	77.22 mg/L	0.090	0.12%
As 188.979†	110.8	0.2345 mg/L	0.00432	0.2345 mg/L	0.00432	1.84%

B 182.528†	12.6	0.0300 mg/L	0.00393	0.0300 mg/L	0.00393	13.08%
B 249.677†	139.8	0.0838 mg/L	0.00431	0.0838 mg/L	0.00431	5.14%
Ba 233.527†	231542.9	3.202 mg/L	0.0106	3.202 mg/L	0.0106	0.33%
Be 313.107†	31400.6	0.0193 mg/L	0.00011	0.0193 mg/L	0.00011	0.56%
Ca 315.887†	3367459.2	31.71 mg/L	0.059	31.71 mg/L	0.059	0.19%
Cd 228.802†	1981.3	0.0695 mg/L	0.00062	0.0695 mg/L	0.00062	0.90%
Co 228.616†	4474.1	0.1034 mg/L	0.00149	0.1034 mg/L	0.00149	1.44%
Cr 267.716†	647468.7	7.127 mg/L	0.0175	7.127 mg/L	0.0175	0.25%
Cu 324.752†	13642788.7	76.82 mg/L	0.128	76.82 mg/L	0.128	0.17%
Fe 234.349†	267452.1	229.2 mg/L	0.35	229.2 mg/L	0.35	0.15%
Fe 238.204†	21404356.0	180.9 mg/L	0.28	180.9 mg/L	0.28	0.16%
K 766.490†	12649.6	7.001 mg/L	0.1199	7.001 mg/L	0.1199	1.71%
Li 670.784†	2790.6	0.0868 mg/L	0.00146	0.0868 mg/L	0.00146	1.68%
Mg 279.077†	223253.4	19.66 mg/L	0.051	19.66 mg/L	0.051	0.26%
Mn 257.610†	1348443.4	2.382 mg/L	0.0030	2.382 mg/L	0.0030	0.13%
Mo 202.031†	1234.7	-0.0592 mg/L	0.00085	-0.0592 mg/L	0.00085	1.44%
Na 589.592†	18259.0	3.088 mg/L	0.0633	3.088 mg/L	0.0633	2.05%
Ni 231.604†	64245.9	2.273 mg/L	0.0215	2.273 mg/L	0.0215	0.95%
P 214.914†	36119.7	20.61 mg/L	0.147	20.61 mg/L	0.147	0.71%
Pb 220.353†	205136.8	17.60 mg/L	0.170	17.60 mg/L	0.170	0.96%
Sb 206.836†	-3.6	-0.1051 mg/L	0.00056	-0.1051 mg/L	0.00056	0.53%
Se 196.026†	-32.2	0.0650 mg/L	0.00331	0.0650 mg/L	0.00331	5.10%
Sn 189.927†	21950.4	5.630 mg/L	0.0601	5.630 mg/L	0.0601	1.07%
Sr 407.771†	302791.5	0.3181 mg/L	0.00040	0.3181 mg/L	0.00040	0.13%
Ti 337.279†	2262815.5	3.200 mg/L	0.0019	3.200 mg/L	0.0019	0.06%
Tl 190.801†	3.4	-0.1392 mg/L	0.00237	-0.1392 mg/L	0.00237	1.70%
V 292.402†	159030.6	0.9914 mg/L	0.00727	0.9914 mg/L	0.00727	0.73%
Zn 213.857†	2200195.7	23.50 mg/L	0.036	23.50 mg/L	0.036	0.15%

Sequence No.: 125

Sample ID: CJ20518-DUP1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 111

Date Collected: 10/7/2012 12:31:37 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	331.5	263.8	0.1559 mg/L		0.1559 mg/L	00:33:28
1	Fe 234.349†	433696.8	350553.7	300.4 mg/L		300.4 mg/L	00:33:25
1	K 766.490†	20482.8	16387.1	9.011 mg/L		9.011 mg/L	00:33:28
1	Li 670.784†	4006.3	3413.7	0.1060 mg/L		0.1060 mg/L	00:33:28
1	Na 589.592†	29293.6	23526.8	3.950 mg/L		3.950 mg/L	00:33:28
1	Sr 407.771†	510225.7	412273.7	0.4329 mg/L		0.4329 mg/L	00:33:25
1	Y 371.029	3064543.8	3064543.8	1.24 mg/L			00:33:43
1	Ag 328.068†	219132.8	175736.2	1.517 mg/L		1.517 mg/L	00:33:45
1	Al 237.313†	883289.4	714071.7	92.23 mg/L		92.23 mg/L	00:33:43
1	As 188.979†	153.4	121.0	0.2771 mg/L		0.2771 mg/L	00:33:55
1	B 182.528†	67.1	51.6	0.1061 mg/L		0.1061 mg/L	00:33:55
1	Ba 233.527†	360713.1	291611.2	4.033 mg/L		4.033 mg/L	00:33:45
1	Be 313.107†	51591.6	42216.2	0.0258 mg/L		0.0258 mg/L	00:33:45
1	Ca 315.887†	5080147.9	4106024.4	38.67 mg/L		38.67 mg/L	00:33:43
1	Cd 228.802†	2392.5	1870.9	0.0655 mg/L		0.0655 mg/L	00:33:55
1	Co 228.616†	6134.8	5023.5	0.1163 mg/L		0.1163 mg/L	00:33:55
1	Cr 267.716†	892935.8	721332.8	7.941 mg/L		7.941 mg/L	00:33:43
1	Cu 324.752†	9045212.2	7309820.6	41.16 mg/L		41.16 mg/L	00:33:39
1	Fe 238.204†	31803874.3	25706242.5	217.3 mg/L		217.3 mg/L	00:33:39
1	Mg 279.077†	356779.7	288242.6	25.39 mg/L		25.39 mg/L	00:33:45
1	Mn 257.610†	1960022.8	1583076.8	2.796 mg/L		2.796 mg/L	00:33:43
1	Mo 202.031†	1779.1	1410.9	-0.0472 mg/L		-0.0472 mg/L	00:33:55
1	Ni 231.604†	76459.5	61819.4	2.187 mg/L		2.187 mg/L	00:33:45
1	P 214.914†	29132.6	23204.5	13.77 mg/L		13.77 mg/L	00:33:45
1	Pb 220.353†	255834.9	206727.8	17.76 mg/L		17.76 mg/L	00:33:45
1	Sb 206.836†	116.5	57.3	-0.0853 mg/L		-0.0853 mg/L	00:33:55
1	Se 196.026†	-71.5	-57.9	0.0704 mg/L		0.0704 mg/L	00:33:55
1	Sn 189.927†	16570.8	13391.0	3.903 mg/L		3.903 mg/L	00:33:55
1	Ti 337.279†	3180049.4	2570825.9	3.636 mg/L		3.636 mg/L	00:33:43
1	Tl 190.801†	12.5	8.1	-0.1770 mg/L		-0.1770 mg/L	00:33:55
1	V 292.402†	204445.0	165931.7	1.026 mg/L		1.026 mg/L	00:33:45
1	Zn 213.857†	2622590.9	2118983.6	22.69 mg/L		22.69 mg/L	00:33:43
2	B 249.677†	348.0	277.1	0.1637 mg/L		0.1637 mg/L	00:33:32

2	Fe 234.349†	426686.3	344887.2	295.6	mg/L	295.6	mg/L	00:33:30
2	K 766.490†	20610.8	16490.6	9.067	mg/L	9.067	mg/L	00:33:32
2	Li 670.784†	4134.9	3517.6	0.1092	mg/L	0.1092	mg/L	00:33:32
2	Na 589.592†	29531.2	23718.8	3.981	mg/L	3.981	mg/L	00:33:32
2	Sr 407.771†	502632.2	406135.9	0.4265	mg/L	0.4265	mg/L	00:33:30
2	Y 371.029	3064544.2	3064544.2	1.24	mg/L			00:34:04
2	Ag 328.068†	217381.0	174320.2	1.504	mg/L	1.504	mg/L	00:34:06
2	Al 237.313†	882553.4	713476.7	92.15	mg/L	92.15	mg/L	00:34:04
2	As 188.979†	151.6	119.5	0.2732	mg/L	0.2732	mg/L	00:34:16
2	B 182.528†	71.8	55.4	0.1134	mg/L	0.1134	mg/L	00:34:16
2	Ba 233.527†	357913.3	289348.1	4.002	mg/L	4.002	mg/L	00:34:06
2	Be 313.107†	50950.2	41697.8	0.0255	mg/L	0.0255	mg/L	00:34:06
2	Ca 315.887†	5069286.9	4097245.1	38.59	mg/L	38.59	mg/L	00:34:04
2	Cd 228.802†	2384.3	1864.4	0.0653	mg/L	0.0653	mg/L	00:34:16
2	Co 228.616†	6117.4	5009.4	0.1160	mg/L	0.1160	mg/L	00:34:16
2	Cr 267.716†	890715.0	719537.6	7.921	mg/L	7.921	mg/L	00:34:04
2	Cu 324.752†	8939478.1	7224356.9	40.68	mg/L	40.68	mg/L	00:34:00
2	Fe 238.204†	31473988.4	25439599.2	215.0	mg/L	215.0	mg/L	00:34:00
2	Mg 279.077†	353993.5	285990.5	25.19	mg/L	25.19	mg/L	00:34:06
2	Mn 257.610†	1956420.7	1580165.0	2.791	mg/L	2.791	mg/L	00:34:04
2	Mo 202.031†	1766.0	1400.3	-0.0459	mg/L	-0.0459	mg/L	00:34:16
2	Ni 231.604†	75955.4	61411.9	2.173	mg/L	2.173	mg/L	00:34:06
2	P 214.914†	28868.5	22991.1	13.64	mg/L	13.64	mg/L	00:34:06
2	Pb 220.353†	253963.4	205215.1	17.63	mg/L	17.63	mg/L	00:34:06
2	Sb 206.836†	122.9	62.5	-0.0788	mg/L	-0.0788	mg/L	00:34:16
2	Se 196.026†	-64.9	-52.5	0.0735	mg/L	0.0735	mg/L	00:34:16
2	Sn 189.927†	16490.5	13326.0	3.874	mg/L	3.874	mg/L	00:34:16
2	Ti 337.279†	3178033.8	2569196.4	3.633	mg/L	3.633	mg/L	00:34:04
2	Tl 190.801†	10.9	6.8	-0.1752	mg/L	-0.1752	mg/L	00:34:16
2	V 292.402†	203042.2	164797.7	1.019	mg/L	1.019	mg/L	00:34:06
2	Zn 213.857†	2616913.8	2114394.7	22.65	mg/L	22.65	mg/L	00:34:04

Mean Data: CJ20518-DUP1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3064544.0	1.24	mg/L	0.000				0.00%
Ag 328.068†	175028.2	1.511	mg/L	0.0088	1.511	mg/L	0.0088	0.58%
Al 237.313†	713774.2	92.19	mg/L	0.054	92.19	mg/L	0.054	0.06%
As 188.979†	120.3	0.2751	mg/L	0.00276	0.2751	mg/L	0.00276	1.00%
B 182.528†	53.5	0.1097	mg/L	0.00518	0.1097	mg/L	0.00518	4.72%
B 249.677†	270.4	0.1598	mg/L	0.00549	0.1598	mg/L	0.00549	3.44%
Ba 233.527†	290479.6	4.017	mg/L	0.0221	4.017	mg/L	0.0221	0.55%
Be 313.107†	41957.0	0.0257	mg/L	0.00022	0.0257	mg/L	0.00022	0.86%
Ca 315.887†	4101634.8	38.63	mg/L	0.059	38.63	mg/L	0.059	0.15%
Cd 228.802†	1867.7	0.0654	mg/L	0.00016	0.0654	mg/L	0.00016	0.24%
Co 228.616†	5016.5	0.1161	mg/L	0.00025	0.1161	mg/L	0.00025	0.21%
Cr 267.716†	720435.2	7.931	mg/L	0.0140	7.931	mg/L	0.0140	0.18%
Cu 324.752†	7267088.8	40.92	mg/L	0.340	40.92	mg/L	0.340	0.83%
Fe 234.349†	347720.4	298.0	mg/L	3.43	298.0	mg/L	3.43	1.15%
Fe 238.204†	25572920.9	216.1	mg/L	1.59	216.1	mg/L	1.59	0.74%
K 766.490†	16438.8	9.039	mg/L	0.0394	9.039	mg/L	0.0394	0.44%
Li 670.784†	3465.7	0.1076	mg/L	0.00227	0.1076	mg/L	0.00227	2.11%
Mg 279.077†	287116.5	25.29	mg/L	0.140	25.29	mg/L	0.140	0.56%
Mn 257.610†	1581620.9	2.794	mg/L	0.0036	2.794	mg/L	0.0036	0.13%
Mo 202.031†	1405.6	-0.0465	mg/L	0.00091	-0.0465	mg/L	0.00091	1.95%
Na 589.592†	23622.8	3.965	mg/L	0.0222	3.965	mg/L	0.0222	0.56%
Ni 231.604†	61615.7	2.180	mg/L	0.0102	2.180	mg/L	0.0102	0.47%
P 214.914†	23097.8	13.70	mg/L	0.092	13.70	mg/L	0.092	0.67%
Pb 220.353†	205971.5	17.69	mg/L	0.092	17.69	mg/L	0.092	0.52%
Sb 206.836†	59.9	-0.0821	mg/L	0.00460	-0.0821	mg/L	0.00460	5.61%
Se 196.026†	-55.2	0.0719	mg/L	0.00222	0.0719	mg/L	0.00222	3.08%
Sn 189.927†	13358.5	3.889	mg/L	0.0204	3.889	mg/L	0.0204	0.53%
Sr 407.771†	409204.8	0.4297	mg/L	0.00455	0.4297	mg/L	0.00455	1.06%
Ti 337.279†	2570011.1	3.635	mg/L	0.0016	3.635	mg/L	0.0016	0.04%
Tl 190.801†	7.5	-0.1761	mg/L	0.00131	-0.1761	mg/L	0.00131	0.74%
V 292.402†	165364.7	1.023	mg/L	0.0045	1.023	mg/L	0.0045	0.44%
Zn 213.857†	2116689.2	22.67	mg/L	0.034	22.67	mg/L	0.034	0.15%

Sequence No.: 126

Sample ID: CJ20518-MS1

Analyst:

Autosampler Location: 112

Date Collected: 10/7/2012 12:35:53 AM

Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	1167.6	991.5	0.5781	mg/L	0.5781	mg/L	00:37:37
1	Fe 234.349†	375474.0	320214.1	274.4	mg/L	274.4	mg/L	00:37:35
1	K 766.490†	58132.2	49407.1	26.77	mg/L	26.77	mg/L	00:37:37
1	Li 670.784†	19444.6	16758.1	0.5182	mg/L	0.5182	mg/L	00:37:37
1	Na 589.592†	170012.2	144837.7	23.79	mg/L	23.79	mg/L	00:37:35
1	Sr 407.771†	371852.1	316988.6	0.3330	mg/L	0.3330	mg/L	00:37:35
1	Y 371.029	2904519.5	2904519.5	1.17	mg/L			00:37:53
1	Ag 328.068†	206044.9	174333.2	1.503	mg/L	1.503	mg/L	00:37:55
1	Al 237.313†	671680.2	572943.7	74.02	mg/L	74.02	mg/L	00:37:53
1	As 188.979†	514.8	436.1	0.6587	mg/L	0.6587	mg/L	00:38:05
1	B 182.528†	319.6	269.9	0.5321	mg/L	0.5321	mg/L	00:38:05
1	Ba 233.527†	310904.6	265197.2	3.667	mg/L	3.667	mg/L	00:37:55
1	Be 313.107†	109490.6	93890.7	0.0568	mg/L	0.0568	mg/L	00:37:55
1	Ca 315.887†	4345666.6	3705880.2	34.90	mg/L	34.90	mg/L	00:37:53
1	Cd 228.802†	8945.1	7565.6	0.2655	mg/L	0.2655	mg/L	00:38:05
1	Co 228.616†	36527.1	31215.5	0.7746	mg/L	0.7746	mg/L	00:37:55
1	Cr 267.716†	925274.1	788675.5	8.683	mg/L	8.683	mg/L	00:37:53
1	Cu 324.752†	22879450.7	19510612.2	109.9	mg/L	109.9	mg/L	00:37:49
1	Fe 238.204†	28807707.9	24567371.2	207.6	mg/L	207.6	mg/L	00:37:49
1	Mg 279.077†	283134.2	241325.0	21.26	mg/L	21.26	mg/L	00:37:55
1	Mn 257.610†	3092065.2	2635778.7	4.658	mg/L	4.658	mg/L	00:37:53
1	Mo 202.031†	9984.9	8488.1	0.2905	mg/L	0.2905	mg/L	00:38:05
1	Ni 231.604†	137700.2	117451.1	4.159	mg/L	4.159	mg/L	00:37:55
1	P 214.914†	124980.5	106242.0	61.81	mg/L	61.81	mg/L	00:37:55
1	Pb 220.353†	336455.6	286874.8	24.52	mg/L	24.52	mg/L	00:37:55
1	Sb 206.836†	177.7	114.8	-0.0251	mg/L	-0.0251	mg/L	00:38:05
1	Se 196.026†	890.8	759.6	0.8520	mg/L	0.8520	mg/L	00:38:05
1	Sn 189.927†	41068.3	35020.7	8.718	mg/L	8.718	mg/L	00:37:55
1	Ti 337.279†	2835902.5	2418947.8	3.421	mg/L	3.421	mg/L	00:37:53
1	Tl 190.801†	630.3	535.6	0.2032	mg/L	0.2032	mg/L	00:38:05
1	V 292.402†	252672.8	216165.2	1.353	mg/L	1.353	mg/L	00:37:55
1	Zn 213.857†	12581745.6	10729048.9	115.1	mg/L	115.1	mg/L	00:37:49
2	B 249.677†	1148.9	966.2	0.5633	mg/L	0.5633	mg/L	00:37:41
2	Fe 234.349†	376383.1	317887.3	272.4	mg/L	272.4	mg/L	00:37:39
2	K 766.490†	56928.6	47911.5	25.97	mg/L	25.97	mg/L	00:37:41
2	Li 670.784†	19024.2	16242.7	0.5023	mg/L	0.5023	mg/L	00:37:41
2	Na 589.592†	170295.9	143676.1	23.60	mg/L	23.60	mg/L	00:37:39
2	Sr 407.771†	371941.0	313999.0	0.3299	mg/L	0.3299	mg/L	00:37:39
2	Y 371.029	2932863.3	2932863.3	1.18	mg/L			00:38:14
2	Ag 328.068†	206734.0	173217.0	1.493	mg/L	1.493	mg/L	00:38:16
2	Al 237.313†	676894.5	571811.8	73.87	mg/L	73.87	mg/L	00:38:14
2	As 188.979†	501.3	420.4	0.6384	mg/L	0.6384	mg/L	00:38:27
2	B 182.528†	328.3	274.7	0.5414	mg/L	0.5414	mg/L	00:38:27
2	Ba 233.527†	311087.7	262789.5	3.634	mg/L	3.634	mg/L	00:38:16
2	Be 313.107†	109467.0	92968.3	0.0562	mg/L	0.0562	mg/L	00:38:16
2	Ca 315.887†	4368601.4	3689434.4	34.75	mg/L	34.75	mg/L	00:38:14
2	Cd 228.802†	8929.7	7478.9	0.2625	mg/L	0.2625	mg/L	00:38:27
2	Co 228.616†	36684.2	31047.2	0.7703	mg/L	0.7703	mg/L	00:38:16
2	Cr 267.716†	929968.8	785014.6	8.642	mg/L	8.642	mg/L	00:38:14
2	Cu 324.752†	22843114.7	19291357.9	108.6	mg/L	108.6	mg/L	00:38:11
2	Fe 238.204†	28785980.0	24311595.4	205.5	mg/L	205.5	mg/L	00:38:11
2	Mg 279.077†	284210.4	239900.4	21.14	mg/L	21.14	mg/L	00:38:16
2	Mn 257.610†	3112609.1	2627645.5	4.643	mg/L	4.643	mg/L	00:38:14
2	Mo 202.031†	9962.4	8386.8	0.2866	mg/L	0.2866	mg/L	00:38:27
2	Ni 231.604†	138118.3	116669.3	4.131	mg/L	4.131	mg/L	00:38:16
2	P 214.914†	125492.8	105644.6	61.48	mg/L	61.48	mg/L	00:38:16
2	Pb 220.353†	337384.3	284886.3	24.35	mg/L	24.35	mg/L	00:38:16
2	Sb 206.836†	165.4	102.9	-0.0342	mg/L	-0.0342	mg/L	00:38:27
2	Se 196.026†	879.1	742.4	0.8345	mg/L	0.8345	mg/L	00:38:27
2	Sn 189.927†	41346.1	34916.8	8.688	mg/L	8.688	mg/L	00:38:16
2	Ti 337.279†	2855309.7	2411965.8	3.411	mg/L	3.411	mg/L	00:38:14
2	Tl 190.801†	618.0	520.0	0.1935	mg/L	0.1935	mg/L	00:38:27
2	V 292.402†	252954.7	214320.8	1.341	mg/L	1.341	mg/L	00:38:16
2	Zn 213.857†	12570224.4	10615623.2	113.9	mg/L	113.9	mg/L	00:38:11

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2918691.4	1.18	mg/L	0.008				0.69%
Ag 328.068†	173775.1	1.498	mg/L	0.0068	1.498	mg/L	0.0068	0.46%
Al 237.313†	572377.7	73.95	mg/L	0.104	73.95	mg/L	0.104	0.14%
As 188.979†	428.2	0.6485	mg/L	0.01439	0.6485	mg/L	0.01439	2.22%
B 182.528†	272.3	0.5367	mg/L	0.00658	0.5367	mg/L	0.00658	1.23%
B 249.677†	978.9	0.5707	mg/L	0.01043	0.5707	mg/L	0.01043	1.83%
Ba 233.527†	263993.4	3.651	mg/L	0.0236	3.651	mg/L	0.0236	0.65%
Be 313.107†	93429.5	0.0565	mg/L	0.00039	0.0565	mg/L	0.00039	0.69%
Ca 315.887†	3697657.3	34.83	mg/L	0.110	34.83	mg/L	0.110	0.31%
Cd 228.802†	7522.3	0.2640	mg/L	0.00211	0.2640	mg/L	0.00211	0.80%
Co 228.616†	31131.4	0.7725	mg/L	0.00298	0.7725	mg/L	0.00298	0.39%
Cr 267.716†	786845.1	8.662	mg/L	0.0285	8.662	mg/L	0.0285	0.33%
Cu 324.752†	19400985.1	109.2	mg/L	0.87	109.2	mg/L	0.87	0.80%
Fe 234.349†	319050.7	273.4	mg/L	1.41	273.4	mg/L	1.41	0.52%
Fe 238.204†	24439483.3	206.5	mg/L	1.53	206.5	mg/L	1.53	0.74%
K 766.490†	48659.3	26.37	mg/L	0.569	26.37	mg/L	0.569	2.16%
Li 670.784†	16500.4	0.5103	mg/L	0.01126	0.5103	mg/L	0.01126	2.21%
Mg 279.077†	240612.7	21.20	mg/L	0.089	21.20	mg/L	0.089	0.42%
Mn 257.610†	2631712.1	4.651	mg/L	0.0102	4.651	mg/L	0.0102	0.22%
Mo 202.031†	8437.5	0.2885	mg/L	0.00277	0.2885	mg/L	0.00277	0.96%
Na 589.592†	144256.9	23.70	mg/L	0.134	23.70	mg/L	0.134	0.57%
Ni 231.604†	117060.2	4.145	mg/L	0.0196	4.145	mg/L	0.0196	0.47%
P 214.914†	105943.3	61.65	mg/L	0.238	61.65	mg/L	0.238	0.39%
Pb 220.353†	285880.6	24.44	mg/L	0.120	24.44	mg/L	0.120	0.49%
Sb 206.836†	108.8	-0.0296	mg/L	0.00648	-0.0296	mg/L	0.00648	21.85%
Se 196.026†	751.0	0.8432	mg/L	0.01241	0.8432	mg/L	0.01241	1.47%
Sn 189.927†	34968.7	8.703	mg/L	0.0207	8.703	mg/L	0.0207	0.24%
Sr 407.771†	315493.8	0.3314	mg/L	0.00222	0.3314	mg/L	0.00222	0.67%
Ti 337.279†	2415456.8	3.416	mg/L	0.0070	3.416	mg/L	0.0070	0.20%
Tl 190.801†	527.8	0.1984	mg/L	0.00687	0.1984	mg/L	0.00687	3.46%
V 292.402†	215243.0	1.347	mg/L	0.0081	1.347	mg/L	0.0081	0.60%
Zn 213.857†	10672336.1	114.5	mg/L	0.86	114.5	mg/L	0.86	0.75%

Sequence No.: 127

Sample ID: CJ20518-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 113

Date Collected: 10/7/2012 12:41:35 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-SD1 @5

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time
		Intensity	Corrected Intensity		Conc. Units	Conc. Units	
1	B 249.677†	46.3	33.7	0.0222 mg/L	0.0222 mg/L	00:43:27	
1	Fe 234.349†	72386.3	59144.5	50.70 mg/L	50.70 mg/L	00:43:17	
1	K 766.490†	3652.5	2815.3	1.711 mg/L	1.711 mg/L	00:43:27	
1	Li 670.784†	597.7	663.7	0.0211 mg/L	0.0211 mg/L	00:43:27	
1	Na 589.592†	5327.4	4201.9	0.7886 mg/L	0.7886 mg/L	00:43:27	
1	Sr 407.771†	81472.5	66431.1	0.0701 mg/L	0.0701 mg/L	00:43:17	
1	Y 371.029	3031874.7	3031874.7	1.22 mg/L		00:43:45	
1	Ag 328.068†	70558.0	56260.8	0.4811 mg/L	0.4811 mg/L	00:43:48	
1	Al 237.313†	166494.0	136151.2	17.58 mg/L	17.58 mg/L	00:43:48	
1	As 188.979†	37.2	27.4	0.0567 mg/L	0.0567 mg/L	00:43:58	
1	B 182.528†	8.3	4.2	0.0135 mg/L	0.0135 mg/L	00:43:58	
1	Ba 233.527†	65215.2	53334.5	0.7360 mg/L	0.7360 mg/L	00:43:48	
1	Be 313.107†	8274.9	7276.4	0.0043 mg/L	0.0043 mg/L	00:43:48	
1	Ca 315.887†	915918.7	748143.1	7.033 mg/L	7.033 mg/L	00:43:45	
1	Cd 228.802†	629.6	451.6	0.0158 mg/L	0.0158 mg/L	00:43:58	
1	Co 228.616†	1221.3	1062.7	0.0226 mg/L	0.0226 mg/L	00:43:58	
1	Cr 267.716†	182684.6	148842.8	1.636 mg/L	1.636 mg/L	00:43:48	
1	Cu 324.752†	3848564.1	3142998.3	17.70 mg/L	17.70 mg/L	00:43:45	
1	Fe 238.204†	7067963.0	5774286.0	48.79 mg/L	48.79 mg/L	00:43:45	
1	Mg 279.077†	64711.0	52733.2	4.615 mg/L	4.615 mg/L	00:43:48	
1	Mn 257.610†	379239.6	308666.1	0.5429 mg/L	0.5429 mg/L	00:43:45	
1	Mo 202.031†	382.3	285.2	-0.0131 mg/L	-0.0131 mg/L	00:43:58	
1	Ni 231.604†	18297.3	14967.4	0.5266 mg/L	0.5266 mg/L	00:43:48	
1	P 214.914†	10629.4	8341.4	4.778 mg/L	4.778 mg/L	00:43:48	
1	Pb 220.353†	58875.1	48042.1	4.118 mg/L	4.118 mg/L	00:43:48	
1	Sb 206.836†	35.7	-7.6	-0.0299 mg/L	-0.0299 mg/L	00:43:58	

1	Se 196.026†	-3.0	-2.5	0.0177 mg/L	0.0177 mg/L	00:43:58
1	Sn 189.927†	6066.5	4953.4	1.265 mg/L	1.265 mg/L	00:43:58
1	Ti 337.279†	612452.6	500825.7	0.7066 mg/L	0.7066 mg/L	00:43:45
1	Tl 190.801†	10.9	6.9	-0.0300 mg/L	-0.0300 mg/L	00:43:58
1	V 292.402†	42480.7	35389.3	0.2193 mg/L	0.2193 mg/L	00:43:48
1	Zn 213.857†	730482.4	595994.4	6.371 mg/L	6.371 mg/L	00:43:45
2	B 249.677†	42.6	30.6	0.0204 mg/L	0.0204 mg/L	00:43:40
2	Fe 234.349†	72390.9	59011.8	50.59 mg/L	50.59 mg/L	00:43:30
2	K 766.490†	3630.4	2790.5	1.698 mg/L	1.698 mg/L	00:43:40
2	Li 670.784†	579.2	647.6	0.0206 mg/L	0.0206 mg/L	00:43:40
2	Na 589.592†	5283.2	4155.8	0.7811 mg/L	0.7811 mg/L	00:43:40
2	Sr 407.771†	81713.1	66473.7	0.0702 mg/L	0.0702 mg/L	00:43:30
2	Y 371.029	3038886.8	3038886.8	1.23 mg/L		00:44:01
2	Ag 328.068†	69022.0	54875.9	0.4693 mg/L	0.4693 mg/L	00:44:04
2	Al 237.313†	162289.8	132410.5	17.10 mg/L	17.10 mg/L	00:44:04
2	As 188.979†	30.1	21.5	0.0493 mg/L	0.0493 mg/L	00:44:14
2	B 182.528†	11.1	6.4	0.0179 mg/L	0.0179 mg/L	00:44:14
2	Ba 233.527†	63798.0	52056.4	0.7184 mg/L	0.7184 mg/L	00:44:04
2	Be 313.107†	8088.4	7108.7	0.0042 mg/L	0.0042 mg/L	00:44:04
2	Ca 315.887†	918722.2	748701.6	7.038 mg/L	7.038 mg/L	00:44:01
2	Cd 228.802†	631.7	452.1	0.0158 mg/L	0.0158 mg/L	00:44:14
2	Co 228.616†	1225.0	1063.4	0.0226 mg/L	0.0226 mg/L	00:44:14
2	Cr 267.716†	178449.4	145046.3	1.594 mg/L	1.594 mg/L	00:44:04
2	Cu 324.752†	3847439.6	3134826.7	17.65 mg/L	17.65 mg/L	00:44:01
2	Fe 238.204†	7088729.9	5777888.9	48.82 mg/L	48.82 mg/L	00:44:01
2	Mg 279.077†	63272.2	51438.4	4.501 mg/L	4.501 mg/L	00:44:04
2	Mn 257.610†	380227.8	308756.6	0.5431 mg/L	0.5431 mg/L	00:44:01
2	Mo 202.031†	359.4	265.8	-0.0141 mg/L	-0.0141 mg/L	00:44:14
2	Ni 231.604†	17787.8	14517.7	0.5107 mg/L	0.5107 mg/L	00:44:04
2	P 214.914†	10477.5	8197.5	4.693 mg/L	4.693 mg/L	00:44:04
2	Pb 220.353†	57549.6	46850.8	4.015 mg/L	4.015 mg/L	00:44:04
2	Sb 206.836†	43.4	-1.4	-0.0246 mg/L	-0.0246 mg/L	00:44:14
2	Se 196.026†	-4.2	-3.5	0.0166 mg/L	0.0166 mg/L	00:44:14
2	Sn 189.927†	6081.1	4953.9	1.265 mg/L	1.265 mg/L	00:44:14
2	Ti 337.279†	613809.7	500777.3	0.7066 mg/L	0.7066 mg/L	00:44:01
2	Tl 190.801†	11.2	7.1	-0.0297 mg/L	-0.0297 mg/L	00:44:14
2	V 292.402†	41543.9	34545.7	0.2138 mg/L	0.2138 mg/L	00:44:04
2	Zn 213.857†	738892.2	601472.2	6.430 mg/L	6.430 mg/L	00:44:01

Mean Data: CJ20518-SD1 @5

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3035380.8	1.23 mg/L		0.002			0.16%
Ag 328.068†	55568.4	0.4752 mg/L		0.00834	0.4752 mg/L	0.00834	1.75%
Al 237.313†	134280.8	17.34 mg/L		0.342	17.34 mg/L	0.342	1.97%
As 188.979†	24.4	0.0530 mg/L		0.00521	0.0530 mg/L	0.00521	9.82%
B 182.528†	5.3	0.0157 mg/L		0.00312	0.0157 mg/L	0.00312	19.85%
B 249.677†	32.1	0.0213 mg/L		0.00129	0.0213 mg/L	0.00129	6.06%
Ba 233.527†	52695.4	0.7272 mg/L		0.01250	0.7272 mg/L	0.01250	1.72%
Be 313.107†	7192.6	0.0043 mg/L		0.00007	0.0043 mg/L	0.00007	1.72%
Ca 315.887†	748422.3	7.036 mg/L		0.0037	7.036 mg/L	0.0037	0.05%
Cd 228.802†	451.8	0.0158 mg/L		0.00004	0.0158 mg/L	0.00004	0.23%
Co 228.616†	1063.0	0.0226 mg/L		0.00001	0.0226 mg/L	0.00001	0.05%
Cr 267.716†	146944.6	1.615 mg/L		0.0296	1.615 mg/L	0.0296	1.83%
Cu 324.752†	3138912.5	17.67 mg/L		0.033	17.67 mg/L	0.033	0.18%
Fe 234.349†	59078.2	50.65 mg/L		0.080	50.65 mg/L	0.080	0.16%
Fe 238.204†	5776087.4	48.81 mg/L		0.022	48.81 mg/L	0.022	0.04%
K 766.490†	2802.9	1.705 mg/L		0.0095	1.705 mg/L	0.0095	0.55%
Li 670.784†	655.7	0.0208 mg/L		0.00035	0.0208 mg/L	0.00035	1.70%
Mg 279.077†	52085.8	4.558 mg/L		0.0807	4.558 mg/L	0.0807	1.77%
Mn 257.610†	308711.4	0.5430 mg/L		0.00011	0.5430 mg/L	0.00011	0.02%
Mo 202.031†	275.5	-0.0136 mg/L		0.00068	-0.0136 mg/L	0.00068	5.04%
Na 589.592†	4178.8	0.7848 mg/L		0.00533	0.7848 mg/L	0.00533	0.68%
Ni 231.604†	14742.6	0.5187 mg/L		0.01127	0.5187 mg/L	0.01127	2.17%
P 214.914†	8269.4	4.735 mg/L		0.0601	4.735 mg/L	0.0601	1.27%
Pb 220.353†	47446.4	4.066 mg/L		0.0726	4.066 mg/L	0.0726	1.79%
Sb 206.836†	-4.5	-0.0272 mg/L		0.00373	-0.0272 mg/L	0.00373	13.69%
Se 196.026†	-3.0	0.0172 mg/L		0.00073	0.0172 mg/L	0.00073	4.23%
Sn 189.927†	4953.6	1.265 mg/L		0.0002	1.265 mg/L	0.0002	0.01%
Sr 407.771†	66452.4	0.0702 mg/L		0.00003	0.0702 mg/L	0.00003	0.04%
Ti 337.279†	500801.5	0.7066 mg/L		0.00005	0.7066 mg/L	0.00005	0.01%
Tl 190.801†	7.0	-0.0299 mg/L		0.00016	-0.0299 mg/L	0.00016	0.52%

V 292.402† 34967.5 0.2166 mg/L 0.00390 0.2166 mg/L 0.00390 1.80%
Zn 213.857† 598733.3 6.401 mg/L 0.0418 6.401 mg/L 0.0418 0.65%

Sequence No.: 128 Autosampler Location: 114
Sample ID: CJ20518-PDS1 Date Collected: 10/7/2012 12:45:52 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CJ20518-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1134.9	928.4	0.5420 mg/L	0.5420 mg/L	00:47:37
1	Fe 234.349†	337242.9	277139.3	237.5 mg/L	237.5 mg/L	00:47:35
1	K 766.490†	69447.9	56900.9	30.80 mg/L	30.80 mg/L	00:47:37
1	Li 670.784†	23056.4	19122.3	0.5913 mg/L	0.5913 mg/L	00:47:37
1	Na 589.592†	197963.8	162528.6	26.69 mg/L	26.69 mg/L	00:47:35
1	Sr 407.771†	434441.1	356876.4	0.3748 mg/L	0.3748 mg/L	00:47:35
1	Y 371.029	3014260.7	3014260.7	1.22 mg/L		00:47:52
1	Ag 328.068†	284693.9	232566.5	1.996 mg/L	1.996 mg/L	00:47:54
1	Al 237.313†	798411.3	656231.9	84.77 mg/L	84.77 mg/L	00:47:54
1	As 188.979†	604.1	493.4	0.7145 mg/L	0.7145 mg/L	00:48:05
1	B 182.528†	334.2	272.0	0.5362 mg/L	0.5362 mg/L	00:48:05
1	Ba 233.527†	341920.4	281031.7	3.886 mg/L	3.886 mg/L	00:47:54
1	Be 313.107†	132824.2	109665.8	0.0661 mg/L	0.0661 mg/L	00:47:54
1	Ca 315.887†	4892810.6	4020575.8	37.87 mg/L	37.87 mg/L	00:47:52
1	Cd 228.802†	10399.2	8482.9	0.2977 mg/L	0.2977 mg/L	00:48:05
1	Co 228.616†	28432.2	23429.4	0.5783 mg/L	0.5783 mg/L	00:48:05
1	Cr 267.716†	883867.9	725921.0	7.992 mg/L	7.992 mg/L	00:47:52
1	Cu 324.752†	17557031.8	14426474.4	81.23 mg/L	81.23 mg/L	00:47:48
1	Fe 238.204†	27310271.9	22442396.4	189.7 mg/L	189.7 mg/L	00:47:48
1	Mg 279.077†	354234.9	290962.0	25.63 mg/L	25.63 mg/L	00:47:54
1	Mn 257.610†	2062882.4	1694030.8	2.993 mg/L	2.993 mg/L	00:47:52
1	Mo 202.031†	12209.7	10006.3	0.4028 mg/L	0.4028 mg/L	00:48:05
1	Ni 231.604†	99164.8	81508.7	2.885 mg/L	2.885 mg/L	00:47:54
1	P 214.914†	55226.3	45040.2	25.86 mg/L	25.86 mg/L	00:47:54
1	Pb 220.353†	266769.2	219162.8	18.80 mg/L	18.80 mg/L	00:47:54
1	Sb 206.836†	765.3	592.1	0.3935 mg/L	0.3935 mg/L	00:48:05
1	Se 196.026†	1192.1	979.6	1.050 mg/L	1.050 mg/L	00:48:05
1	Sn 189.927†	30894.0	25384.7	6.431 mg/L	6.431 mg/L	00:48:05
1	Ti 337.279†	3316089.9	2725496.9	3.855 mg/L	3.855 mg/L	00:47:52
1	Tl 190.801†	781.7	640.4	0.2972 mg/L	0.2972 mg/L	00:48:05
1	V 292.402†	298313.4	245825.8	1.542 mg/L	1.542 mg/L	00:47:54
1	Zn 213.857†	2885304.6	2370233.5	25.32 mg/L	25.32 mg/L	00:47:52
2	B 249.677†	1132.7	921.6	0.5380 mg/L	0.5380 mg/L	00:47:41
2	Fe 234.349†	346410.1	283128.1	242.6 mg/L	242.6 mg/L	00:47:39
2	K 766.490†	69844.6	56915.5	30.81 mg/L	30.81 mg/L	00:47:41
2	Li 670.784†	23223.8	19156.4	0.5923 mg/L	0.5923 mg/L	00:47:41
2	Na 589.592†	202279.5	165173.2	27.12 mg/L	27.12 mg/L	00:47:39
2	Sr 407.771†	445005.7	363574.0	0.3819 mg/L	0.3819 mg/L	00:47:39
2	Y 371.029	3030703.1	3030703.1	1.22 mg/L		00:48:13
2	Ag 328.068†	280175.9	227604.7	1.954 mg/L	1.954 mg/L	00:48:15
2	Al 237.313†	784625.2	641404.9	82.85 mg/L	82.85 mg/L	00:48:15
2	As 188.979†	619.9	503.7	0.7295 mg/L	0.7295 mg/L	00:48:25
2	B 182.528†	334.3	270.6	0.5334 mg/L	0.5334 mg/L	00:48:25
2	Ba 233.527†	335832.4	274531.6	3.796 mg/L	3.796 mg/L	00:48:15
2	Be 313.107†	130659.0	107304.0	0.0647 mg/L	0.0647 mg/L	00:48:15
2	Ca 315.887†	4907335.9	4010633.9	37.77 mg/L	37.77 mg/L	00:48:13
2	Cd 228.802†	10394.6	8432.7	0.2959 mg/L	0.2959 mg/L	00:48:25
2	Co 228.616†	28494.5	23353.5	0.5764 mg/L	0.5764 mg/L	00:48:25
2	Cr 267.716†	885937.2	723671.7	7.967 mg/L	7.967 mg/L	00:48:13
2	Cu 324.752†	17434046.8	14247684.2	80.23 mg/L	80.23 mg/L	00:48:09
2	Fe 238.204†	27154560.6	22193376.1	187.6 mg/L	187.6 mg/L	00:48:09
2	Mg 279.077†	347499.5	283877.8	25.01 mg/L	25.01 mg/L	00:48:15
2	Mn 257.610†	2068405.8	1689348.3	2.984 mg/L	2.984 mg/L	00:48:13
2	Mo 202.031†	12185.1	9931.8	0.3980 mg/L	0.3980 mg/L	00:48:25
2	Ni 231.604†	97412.9	79634.8	2.819 mg/L	2.819 mg/L	00:48:15
2	P 214.914†	54234.8	43983.6	25.26 mg/L	25.26 mg/L	00:48:15
2	Pb 220.353†	262210.2	214247.3	18.38 mg/L	18.38 mg/L	00:48:15
2	Sb 206.836†	764.1	587.7	0.3875 mg/L	0.3875 mg/L	00:48:25
2	Se 196.026†	1191.8	974.0	1.046 mg/L	1.046 mg/L	00:48:25

2	Sn 189.927†	30862.4	25221.1	6.409 mg/L	6.409 mg/L	00:48:25
2	Ti 337.279†	3329541.3	2721706.8	3.849 mg/L	3.849 mg/L	00:48:13
2	Tl 190.801†	783.6	638.5	0.2930 mg/L	0.2930 mg/L	00:48:25
2	V 292.402†	293501.6	240563.1	1.507 mg/L	1.507 mg/L	00:48:15
2	Zn 213.857†	2891807.6	2362685.0	25.24 mg/L	25.24 mg/L	00:48:13

Mean Data: CJ20518-PDS1

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3022481.9	1.22 mg/L	0.005			0.38%
Ag 328.068†	230085.6	1.975 mg/L	0.0296	1.975 mg/L	0.0296	1.50%
Al 237.313†	648818.4	83.81 mg/L	1.354	83.81 mg/L	1.354	1.62%
As 188.979†	498.6	0.7220 mg/L	0.01060	0.7220 mg/L	0.01060	1.47%
B 182.528†	271.3	0.5348 mg/L	0.00194	0.5348 mg/L	0.00194	0.36%
B 249.677†	925.0	0.5400 mg/L	0.00281	0.5400 mg/L	0.00281	0.52%
Ba 233.527†	277781.6	3.841 mg/L	0.0636	3.841 mg/L	0.0636	1.66%
Be 313.107†	108484.9	0.0654 mg/L	0.00100	0.0654 mg/L	0.00100	1.53%
Ca 315.887†	4015604.8	37.82 mg/L	0.066	37.82 mg/L	0.066	0.18%
Cd 228.802†	8457.8	0.2968 mg/L	0.00130	0.2968 mg/L	0.00130	0.44%
Co 228.616†	23391.5	0.5773 mg/L	0.00134	0.5773 mg/L	0.00134	0.23%
Cr 267.716†	724796.4	7.979 mg/L	0.0175	7.979 mg/L	0.0175	0.22%
Cu 324.752†	14337079.3	80.73 mg/L	0.712	80.73 mg/L	0.712	0.88%
Fe 234.349†	280133.7	240.1 mg/L	3.63	240.1 mg/L	3.63	1.51%
Fe 238.204†	22317886.3	188.6 mg/L	1.49	188.6 mg/L	1.49	0.79%
K 766.490†	56908.2	30.81 mg/L	0.006	30.81 mg/L	0.006	0.02%
Li 670.784†	19139.4	0.5918 mg/L	0.00074	0.5918 mg/L	0.00074	0.13%
Mg 279.077†	287419.9	25.32 mg/L	0.442	25.32 mg/L	0.442	1.74%
Mn 257.610†	1691689.6	2.989 mg/L	0.0059	2.989 mg/L	0.0059	0.20%
Mo 202.031†	9969.1	0.4004 mg/L	0.00344	0.4004 mg/L	0.00344	0.86%
Na 589.592†	163850.9	26.90 mg/L	0.306	26.90 mg/L	0.306	1.14%
Ni 231.604†	80571.7	2.852 mg/L	0.0470	2.852 mg/L	0.0470	1.65%
P 214.914†	44511.9	25.56 mg/L	0.423	25.56 mg/L	0.423	1.65%
Pb 220.353†	216705.0	18.59 mg/L	0.299	18.59 mg/L	0.299	1.61%
Sb 206.836†	589.9	0.3905 mg/L	0.00425	0.3905 mg/L	0.00425	1.09%
Se 196.026†	976.8	1.048 mg/L	0.0023	1.048 mg/L	0.0023	0.22%
Sn 189.927†	25302.9	6.420 mg/L	0.0155	6.420 mg/L	0.0155	0.24%
Sr 407.771†	360225.2	0.3783 mg/L	0.00497	0.3783 mg/L	0.00497	1.31%
Ti 337.279†	2723601.8	3.852 mg/L	0.0038	3.852 mg/L	0.0038	0.10%
Tl 190.801†	639.4	0.2951 mg/L	0.00296	0.2951 mg/L	0.00296	1.00%
V 292.402†	243194.5	1.525 mg/L	0.0241	1.525 mg/L	0.0241	1.58%
Zn 213.857†	2366459.2	25.28 mg/L	0.056	25.28 mg/L	0.056	0.22%

Sequence No.: 129

Sample ID: 1210127-11

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 115

Date Collected: 10/7/2012 12:50:03 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	182.8	143.7	0.0861 mg/L	0.0861 mg/L	00:51:46
1	Fe 234.349†	323382.2	261492.4	224.1 mg/L	224.1 mg/L	00:51:43
1	K 766.490†	33408.9	26845.7	14.64 mg/L	14.64 mg/L	00:51:46
1	Li 670.784†	6091.9	5101.3	0.1582 mg/L	0.1582 mg/L	00:51:46
1	Na 589.592†	20951.7	16790.9	2.848 mg/L	2.848 mg/L	00:51:46
1	Sr 407.771†	420651.5	340007.6	0.3571 mg/L	0.3571 mg/L	00:51:43
1	Y 371.029	3063329.2	3063329.2	1.24 mg/L		00:52:00
1	Ag 328.068†	127377.9	101613.4	0.8804 mg/L	0.8804 mg/L	00:52:02
1	Al 237.313†	800326.6	647271.0	83.56 mg/L	83.56 mg/L	00:52:00
1	As 188.979†	101.1	78.8	0.1924 mg/L	0.1924 mg/L	00:52:12
1	B 182.528†	72.8	56.2	0.1150 mg/L	0.1150 mg/L	00:52:12
1	Ba 233.527†	228720.8	184997.9	2.558 mg/L	2.558 mg/L	00:52:02
1	Be 313.107†	11643.1	9930.5	0.0058 mg/L	0.0058 mg/L	00:52:02
1	Ca 315.887†	5824111.4	4709220.9	44.35 mg/L	44.35 mg/L	00:52:00
1	Cd 228.802†	860.7	633.2	0.0219 mg/L	0.0219 mg/L	00:52:12
1	Co 228.616†	3737.0	3086.6	0.0655 mg/L	0.0655 mg/L	00:52:12
1	Cr 267.716†	61815.4	49575.6	0.5428 mg/L	0.5428 mg/L	00:52:02
1	Cu 324.752†	2817702.0	2277158.8	12.82 mg/L	12.82 mg/L	00:52:00
1	Fe 238.204†	25965356.5	20995413.6	177.4 mg/L	177.4 mg/L	00:51:56

1	Mg	279.077†	356673.4	288271.0	25.40	mg/L	25.40	mg/L	00:52:00
1	Mn	257.610†	1998785.1	1615048.1	2.853	mg/L	2.853	mg/L	00:52:00
1	Mo	202.031†	1508.0	1192.3	-0.0154	mg/L	-0.0154	mg/L	00:52:02
1	Ni	231.604†	27691.0	22409.7	0.7904	mg/L	0.7904	mg/L	00:52:02
1	P	214.914†	17029.3	13427.2	8.304	mg/L	8.304	mg/L	00:52:02
1	Pb	220.353†	128040.0	103474.9	8.884	mg/L	8.884	mg/L	00:52:02
1	Sb	206.836†	103.9	47.2	-0.0600	mg/L	-0.0600	mg/L	00:52:12
1	Se	196.026†	-52.2	-42.3	0.0530	mg/L	0.0530	mg/L	00:52:12
1	Sn	189.927†	3815.4	3082.3	1.349	mg/L	1.349	mg/L	00:52:12
1	Ti	337.279†	4142155.8	3349803.6	4.738	mg/L	4.738	mg/L	00:52:00
1	Tl	190.801†	14.9	10.1	-0.1336	mg/L	-0.1336	mg/L	00:52:12
1	V	292.402†	193711.1	157317.7	0.9408	mg/L	0.9408	mg/L	00:52:02
1	Zn	213.857†	1010819.3	816546.7	8.750	mg/L	8.750	mg/L	00:52:00
2	B	249.677†	201.1	155.4	0.0929	mg/L	0.0929	mg/L	00:51:50
2	Fe	234.349†	330166.9	261972.8	224.5	mg/L	224.5	mg/L	00:51:48
2	K	766.490†	33257.4	26219.0	14.30	mg/L	14.30	mg/L	00:51:50
2	Li	670.784†	5980.3	4920.4	0.1526	mg/L	0.1526	mg/L	00:51:50
2	Na	589.592†	20812.1	16362.5	2.778	mg/L	2.778	mg/L	00:51:50
2	Sr	407.771†	427947.1	339418.6	0.3565	mg/L	0.3565	mg/L	00:51:48
2	Y	371.029	3121863.8	3121863.8	1.26	mg/L	1.26	mg/L	00:52:20
2	Ag	328.068†	127646.2	99895.2	0.8658	mg/L	0.8658	mg/L	00:52:22
2	Al	237.313†	817566.3	648815.8	83.76	mg/L	83.76	mg/L	00:52:20
2	As	188.979†	106.9	81.8	0.1964	mg/L	0.1964	mg/L	00:52:32
2	B	182.528†	70.1	53.0	0.1087	mg/L	0.1087	mg/L	00:52:32
2	Ba	233.527†	229469.1	182124.0	2.518	mg/L	2.518	mg/L	00:52:22
2	Be	313.107†	11689.5	9790.7	0.0057	mg/L	0.0057	mg/L	00:52:22
2	Ca	315.887†	5968370.6	4735381.5	44.60	mg/L	44.60	mg/L	00:52:20
2	Cd	228.802†	874.3	630.9	0.0218	mg/L	0.0218	mg/L	00:52:32
2	Co	228.616†	3751.4	3041.4	0.0644	mg/L	0.0644	mg/L	00:52:32
2	Cr	267.716†	61724.7	48566.4	0.5317	mg/L	0.5317	mg/L	00:52:22
2	Cu	324.752†	2865359.9	2272252.7	12.80	mg/L	12.80	mg/L	00:52:20
2	Fe	238.204†	25896287.3	20546946.9	173.7	mg/L	173.7	mg/L	00:52:16
2	Mg	279.077†	365445.6	289823.6	25.53	mg/L	25.53	mg/L	00:52:20
2	Mn	257.610†	2041592.3	1618709.1	2.859	mg/L	2.859	mg/L	00:52:20
2	Mo	202.031†	1502.9	1165.3	-0.0169	mg/L	-0.0169	mg/L	00:52:22
2	Ni	231.604†	27705.6	22001.5	0.7760	mg/L	0.7760	mg/L	00:52:22
2	P	214.914†	17017.0	13159.3	8.147	mg/L	8.147	mg/L	00:52:22
2	Pb	220.353†	128727.0	102078.8	8.763	mg/L	8.763	mg/L	00:52:22
2	Sb	206.836†	106.5	47.7	-0.0598	mg/L	-0.0598	mg/L	00:52:32
2	Se	196.026†	-63.4	-50.3	0.0453	mg/L	0.0453	mg/L	00:52:32
2	Sn	189.927†	3823.8	3031.1	1.339	mg/L	1.339	mg/L	00:52:32
2	Ti	337.279†	4224542.9	3352372.9	4.742	mg/L	4.742	mg/L	00:52:20
2	Tl	190.801†	15.3	10.2	-0.1338	mg/L	-0.1338	mg/L	00:52:32
2	V	292.402†	194249.3	154807.9	0.9250	mg/L	0.9250	mg/L	00:52:22
2	Zn	213.857†	1032757.6	818628.2	8.773	mg/L	8.773	mg/L	00:52:20

Mean Data: 1210127-11

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3092596.5	1.25	mg/L	0.017				1.34%
Ag 328.068†	100754.3	0.8731	mg/L	0.01032	0.8731	mg/L	0.01032	1.18%
Al 237.313†	648043.4	83.66	mg/L	0.141	83.66	mg/L	0.141	0.17%
As 188.979†	80.3	0.1944	mg/L	0.00280	0.1944	mg/L	0.00280	1.44%
B 182.528†	54.6	0.1119	mg/L	0.00445	0.1119	mg/L	0.00445	3.97%
B 249.677†	149.5	0.0895	mg/L	0.00481	0.0895	mg/L	0.00481	5.37%
Ba 233.527†	183561.0	2.538	mg/L	0.0281	2.538	mg/L	0.0281	1.11%
Be 313.107†	9860.6	0.0058	mg/L	0.00006	0.0058	mg/L	0.00006	1.03%
Ca 315.887†	4722301.2	44.48	mg/L	0.174	44.48	mg/L	0.174	0.39%
Cd 228.802†	632.0	0.0218	mg/L	0.00007	0.0218	mg/L	0.00007	0.31%
Co 228.616†	3064.0	0.0649	mg/L	0.00081	0.0649	mg/L	0.00081	1.24%
Cr 267.716†	49071.0	0.5373	mg/L	0.00786	0.5373	mg/L	0.00786	1.46%
Cu 324.752†	2274705.8	12.81	mg/L	0.020	12.81	mg/L	0.020	0.15%
Fe 234.349†	261732.6	224.3	mg/L	0.29	224.3	mg/L	0.29	0.13%
Fe 238.204†	20771180.3	175.5	mg/L	2.68	175.5	mg/L	2.68	1.53%
K 766.490†	26532.3	14.47	mg/L	0.238	14.47	mg/L	0.238	1.65%
Li 670.784†	5010.9	0.1554	mg/L	0.00395	0.1554	mg/L	0.00395	2.54%
Mg 279.077†	289047.3	25.46	mg/L	0.097	25.46	mg/L	0.097	0.38%
Mn 257.610†	1616878.6	2.856	mg/L	0.0046	2.856	mg/L	0.0046	0.16%
Mo 202.031†	1178.8	-0.0161	mg/L	0.00109	-0.0161	mg/L	0.00109	6.76%
Na 589.592†	16576.7	2.813	mg/L	0.0495	2.813	mg/L	0.0495	1.76%
Ni 231.604†	22205.6	0.7832	mg/L	0.01023	0.7832	mg/L	0.01023	1.31%
P 214.914†	13293.2	8.226	mg/L	0.1117	8.226	mg/L	0.1117	1.36%

Pb 220.353†	102776.9	8.824 mg/L	0.0852	8.824 mg/L	0.0852	0.97%
Sb 206.836†	47.4	-0.0599 mg/L	0.00013	-0.0599 mg/L	0.00013	0.22%
Se 196.026†	-46.3	0.0492 mg/L	0.00542	0.0492 mg/L	0.00542	11.02%
Sn 189.927†	3056.7	1.344 mg/L	0.0073	1.344 mg/L	0.0073	0.55%
Sr 407.771†	339713.1	0.3568 mg/L	0.00044	0.3568 mg/L	0.00044	0.12%
Ti 337.279†	3351088.3	4.740 mg/L	0.0026	4.740 mg/L	0.0026	0.05%
Tl 190.801†	10.1	-0.1337 mg/L	0.00010	-0.1337 mg/L	0.00010	0.07%
V 292.402†	156062.8	0.9329 mg/L	0.01123	0.9329 mg/L	0.01123	1.20%
Zn 213.857†	817587.4	8.761 mg/L	0.0159	8.761 mg/L	0.0159	0.18%

Sequence No.: 130 Autosampler Location: 116
Sample ID: 1210127-12 Date Collected: 10/7/2012 12:54:11 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1210127-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	376.1	304.8	0.1798 mg/L	0.1798 mg/L	0.1798 mg/L	00:55:54
1	Fe 234.349†	460032.0	377945.1	323.8 mg/L	323.8 mg/L	323.8 mg/L	00:55:52
1	K 766.490†	27746.3	22626.3	12.37 mg/L	12.37 mg/L	12.37 mg/L	00:55:54
1	Li 670.784†	5301.5	4530.9	0.1405 mg/L	0.1405 mg/L	0.1405 mg/L	00:55:54
1	Na 589.592†	39985.4	32699.4	5.450 mg/L	5.450 mg/L	5.450 mg/L	00:55:54
1	Sr 407.771†	1053300.0	865207.8	0.9081 mg/L	0.9081 mg/L	0.9081 mg/L	00:55:52
1	Y 371.029	3015039.1	3015039.1	1.22 mg/L	1.22 mg/L	1.22 mg/L	00:56:11
1	Ag 328.068†	254827.5	207969.4	1.793 mg/L	1.793 mg/L	1.793 mg/L	00:56:11
1	Al 237.313†	977746.8	803395.6	103.7 mg/L	103.7 mg/L	103.7 mg/L	00:56:11
1	As 188.979†	153.8	123.4	0.2905 mg/L	0.2905 mg/L	0.2905 mg/L	00:56:21
1	B 182.528†	111.3	88.8	0.1787 mg/L	0.1787 mg/L	0.1787 mg/L	00:56:21
1	Ba 233.527†	357970.5	294145.1	4.068 mg/L	4.068 mg/L	4.068 mg/L	00:56:11
1	Be 313.107†	22939.1	19361.5	0.0117 mg/L	0.0117 mg/L	0.0117 mg/L	00:56:11
1	Ca 315.887†	23991303.0	19709907.9	185.7 mg/L	185.7 mg/L	185.7 mg/L	00:56:07
1	Cd 228.802†	6879.6	5589.1	0.1973 mg/L	0.1973 mg/L	0.1973 mg/L	00:56:21
1	Co 228.616†	5368.0	4475.0	0.1006 mg/L	0.1006 mg/L	0.1006 mg/L	00:56:21
1	Cr 267.716†	356605.6	292561.0	3.219 mg/L	3.219 mg/L	3.219 mg/L	00:56:11
1	Cu 324.752†	11161577.4	9168562.8	51.63 mg/L	51.63 mg/L	51.63 mg/L	00:56:07
1	Fe 238.204†	33718756.6	27701494.3	234.1 mg/L	234.1 mg/L	234.1 mg/L	00:56:07
1	Mg 279.077†	419300.7	344341.7	30.35 mg/L	30.35 mg/L	30.35 mg/L	00:56:11
1	Mn 257.610†	3022664.3	2482102.2	4.386 mg/L	4.386 mg/L	4.386 mg/L	00:56:11
1	Mo 202.031†	1584.1	1274.3	-0.0690 mg/L	-0.0690 mg/L	-0.0690 mg/L	00:56:21
1	Ni 231.604†	64570.9	53067.1	1.877 mg/L	1.877 mg/L	1.877 mg/L	00:56:11
1	P 214.914†	35118.5	28508.9	16.78 mg/L	16.78 mg/L	16.78 mg/L	00:56:11
1	Pb 220.353†	1073718.1	882055.2	76.02 mg/L	76.02 mg/L	76.02 mg/L	00:56:11
1	Sb 206.836†	148.0	84.8	-0.0730 mg/L	-0.0730 mg/L	-0.0730 mg/L	00:56:21
1	Se 196.026†	-111.2	-91.5	0.0478 mg/L	0.0478 mg/L	0.0478 mg/L	00:56:21
1	Sn 189.927†	9351.2	7679.6	2.681 mg/L	2.681 mg/L	2.681 mg/L	00:56:21
1	Ti 337.279†	3958209.3	3252326.8	4.600 mg/L	4.600 mg/L	4.600 mg/L	00:56:11
1	Tl 190.801†	29.4	22.2	-0.1810 mg/L	-0.1810 mg/L	-0.1810 mg/L	00:56:21
1	V 292.402†	131953.8	109089.8	0.6360 mg/L	0.6360 mg/L	0.6360 mg/L	00:56:11
1	Zn 213.857†	2786167.0	2288174.9	24.50 mg/L	24.50 mg/L	24.50 mg/L	00:56:11
2	B 249.677†	397.1	322.7	0.1902 mg/L	0.1902 mg/L	0.1902 mg/L	00:55:59
2	Fe 234.349†	463412.6	381445.8	326.8 mg/L	326.8 mg/L	326.8 mg/L	00:55:57
2	K 766.490†	27904.4	22799.7	12.46 mg/L	12.46 mg/L	12.46 mg/L	00:55:59
2	Li 670.784†	5349.5	4578.7	0.1420 mg/L	0.1420 mg/L	0.1420 mg/L	00:55:59
2	Na 589.592†	40571.2	33244.0	5.539 mg/L	5.539 mg/L	5.539 mg/L	00:55:59
2	Sr 407.771†	1059583.0	872023.5	0.9152 mg/L	0.9152 mg/L	0.9152 mg/L	00:55:57
2	Y 371.029	3009321.9	3009321.9	1.21 mg/L	1.21 mg/L	1.21 mg/L	00:56:30
2	Ag 328.068†	231768.3	189386.9	1.635 mg/L	1.635 mg/L	1.635 mg/L	00:56:30
2	Al 237.313†	974757.8	802461.4	103.6 mg/L	103.6 mg/L	103.6 mg/L	00:56:30
2	As 188.979†	155.0	124.6	0.2932 mg/L	0.2932 mg/L	0.2932 mg/L	00:56:40
2	B 182.528†	112.1	89.7	0.1803 mg/L	0.1803 mg/L	0.1803 mg/L	00:56:40
2	Ba 233.527†	357562.4	294368.0	4.071 mg/L	4.071 mg/L	4.071 mg/L	00:56:30
2	Be 313.107†	22822.4	19301.3	0.0117 mg/L	0.0117 mg/L	0.0117 mg/L	00:56:30
2	Ca 315.887†	24039429.6	19786967.8	186.4 mg/L	186.4 mg/L	186.4 mg/L	00:56:26
2	Cd 228.802†	6879.6	5599.9	0.1976 mg/L	0.1976 mg/L	0.1976 mg/L	00:56:40
2	Co 228.616†	5378.3	4491.8	0.1011 mg/L	0.1011 mg/L	0.1011 mg/L	00:56:40
2	Cr 267.716†	356565.7	293084.8	3.224 mg/L	3.224 mg/L	3.224 mg/L	00:56:30
2	Cu 324.752†	11170843.5	9193611.2	51.77 mg/L	51.77 mg/L	51.77 mg/L	00:56:26
2	Fe 238.204†	33800450.5	27821366.7	235.1 mg/L	235.1 mg/L	235.1 mg/L	00:56:26
2	Mg 279.077†	417958.0	343890.9	30.31 mg/L	30.31 mg/L	30.31 mg/L	00:56:30

2	Mn 257.610†	3013455.7	2479240.3	4.381 mg/L	4.381 mg/L	00:56:30
2	Mo 202.031†	1580.4	1273.7	-0.0701 mg/L	-0.0701 mg/L	00:56:40
2	Ni 231.604†	64525.7	53130.6	1.879 mg/L	1.879 mg/L	00:56:30
2	P 214.914†	34838.3	28333.1	16.68 mg/L	16.68 mg/L	00:56:30
2	Pb 220.353†	1070583.0	881150.5	75.94 mg/L	75.94 mg/L	00:56:30
2	Sb 206.836†	154.0	89.9	-0.0699 mg/L	-0.0699 mg/L	00:56:40
2	Se 196.026†	-97.5	-80.3	0.0599 mg/L	0.0599 mg/L	00:56:40
2	Sn 189.927†	9407.0	7740.2	2.703 mg/L	2.703 mg/L	00:56:40
2	Ti 337.279†	3946400.3	3248784.7	4.595 mg/L	4.595 mg/L	00:56:30
2	Tl 190.801†	33.0	25.2	-0.1806 mg/L	-0.1806 mg/L	00:56:40
2	V 292.402†	131325.2	108778.3	0.6336 mg/L	0.6336 mg/L	00:56:30
2	Zn 213.857†	2780368.9	2287751.1	24.49 mg/L	24.49 mg/L	00:56:30

Mean Data: 1210127-12

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3012180.5	1.22 mg/L		0.002			0.13%
Ag 328.068†	198678.1	1.714 mg/L		0.1116	1.714 mg/L	0.1116	6.51%
Al 237.313†	802928.5	103.7 mg/L		0.09	103.7 mg/L	0.09	0.08%
As 188.979†	124.0	0.2919 mg/L		0.00194	0.2919 mg/L	0.00194	0.66%
B 182.528†	89.2	0.1795 mg/L		0.00115	0.1795 mg/L	0.00115	0.64%
B 249.677†	313.8	0.1850 mg/L		0.00738	0.1850 mg/L	0.00738	3.99%
Ba 233.527†	294256.6	4.070 mg/L		0.0022	4.070 mg/L	0.0022	0.05%
Be 313.107†	19331.4	0.0117 mg/L		0.00003	0.0117 mg/L	0.00003	0.21%
Ca 315.887†	19748437.8	186.0 mg/L		0.51	186.0 mg/L	0.51	0.28%
Cd 228.802†	5594.5	0.1975 mg/L		0.00027	0.1975 mg/L	0.00027	0.13%
Co 228.616†	4483.4	0.1008 mg/L		0.00031	0.1008 mg/L	0.00031	0.30%
Cr 267.716†	292822.9	3.222 mg/L		0.0041	3.222 mg/L	0.0041	0.13%
Cu 324.752†	9181087.0	51.70 mg/L		0.100	51.70 mg/L	0.100	0.19%
Fe 234.349†	379695.5	325.3 mg/L		2.12	325.3 mg/L	2.12	0.65%
Fe 238.204†	27761430.5	234.6 mg/L		0.72	234.6 mg/L	0.72	0.31%
K 766.490†	22713.0	12.41 mg/L		0.066	12.41 mg/L	0.066	0.53%
Li 670.784†	4554.8	0.1413 mg/L		0.00104	0.1413 mg/L	0.00104	0.74%
Mg 279.077†	344116.3	30.33 mg/L		0.028	30.33 mg/L	0.028	0.09%
Mn 257.610†	2480671.3	4.383 mg/L		0.0036	4.383 mg/L	0.0036	0.08%
Mo 202.031†	1274.0	-0.0695 mg/L		0.00075	-0.0695 mg/L	0.00075	1.08%
Na 589.592†	32971.7	5.495 mg/L		0.0630	5.495 mg/L	0.0630	1.15%
Ni 231.604†	53098.8	1.878 mg/L		0.0016	1.878 mg/L	0.0016	0.08%
P 214.914†	28421.0	16.73 mg/L		0.071	16.73 mg/L	0.071	0.42%
Pb 220.353†	881602.8	75.98 mg/L		0.055	75.98 mg/L	0.055	0.07%
Sb 206.836†	87.4	-0.0715 mg/L		0.00214	-0.0715 mg/L	0.00214	3.00%
Se 196.026†	-85.9	0.0538 mg/L		0.00853	0.0538 mg/L	0.00853	15.84%
Sn 189.927†	7709.9	2.692 mg/L		0.0159	2.692 mg/L	0.0159	0.59%
Sr 407.771†	868615.7	0.9117 mg/L		0.00506	0.9117 mg/L	0.00506	0.55%
Ti 337.279†	3250555.8	4.598 mg/L		0.0035	4.598 mg/L	0.0035	0.08%
Tl 190.801†	23.7	-0.1808 mg/L		0.00029	-0.1808 mg/L	0.00029	0.16%
V 292.402†	108934.0	0.6348 mg/L		0.00175	0.6348 mg/L	0.00175	0.28%
Zn 213.857†	2287963.0	24.49 mg/L		0.003	24.49 mg/L	0.003	0.01%

Sequence No.: 131

Sample ID: 1210132-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 117

Date Collected: 10/7/2012 12:58:19 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210132-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-12.7	-14.3	-0.0059 mg/L	-0.0059 mg/L	01:00:01
1	Fe 234.349†	228420.9	182522.4	156.5 mg/L	156.5 mg/L	00:59:59
1	K 766.490†	14384.6	11325.1	6.289 mg/L	6.289 mg/L	01:00:01
1	Li 670.784†	6460.5	5337.6	0.1655 mg/L	0.1655 mg/L	01:00:01
1	Na 589.592†	9152.5	7162.6	1.273 mg/L	1.273 mg/L	01:00:01
1	Sr 407.771†	107181.7	85511.2	0.0902 mg/L	0.0902 mg/L	00:59:59
1	Y 371.029	3099991.0	3099991.0	1.25 mg/L		01:00:15
1	Ag 328.068†	109.2	-1296.9	-0.0005 mg/L	-0.0005 mg/L	01:00:17
1	Al 237.313†	1019042.0	814379.3	105.1 mg/L	105.1 mg/L	01:00:15
1	As 188.979†	48.6	35.8	0.1117 mg/L	0.1117 mg/L	01:00:27
1	B 182.528†	19.1	12.6	0.0300 mg/L	0.0300 mg/L	01:00:27
1	Ba 233.527†	24621.9	19728.2	0.2710 mg/L	0.2710 mg/L	01:00:17

1	Be	313.107†	10823.1	9163.9	0.0053	mg/L	0.0053	mg/L	01:00:17
1	Ca	315.887†	2942106.7	2350698.9	22.13	mg/L	22.13	mg/L	01:00:15
1	Cd	228.802†	157.0	62.6	0.0020	mg/L	0.0020	mg/L	01:00:27
1	Co	228.616†	3228.0	2644.2	0.0519	mg/L	0.0519	mg/L	01:00:27
1	Cr	267.716†	15251.7	11778.3	0.1265	mg/L	0.1265	mg/L	01:00:17
1	Cu	324.752†	36069.6	27587.7	0.1567	mg/L	0.1567	mg/L	01:00:17
1	Fe	238.204†	19422929.6	15519472.9	131.2	mg/L	131.2	mg/L	01:00:12
1	Mg	279.077†	399438.3	319030.9	28.11	mg/L	28.11	mg/L	01:00:15
1	Mn	257.610†	1765526.5	1409551.9	2.489	mg/L	2.489	mg/L	01:00:15
1	Mo	202.031†	323.0	230.9	-0.0367	mg/L	-0.0367	mg/L	01:00:17
1	Ni	231.604†	3878.3	3117.7	0.1067	mg/L	0.1067	mg/L	01:00:27
1	P	214.914†	7015.2	5262.7	3.525	mg/L	3.525	mg/L	01:00:27
1	Pb	220.353†	5094.7	4012.7	0.3128	mg/L	0.3128	mg/L	01:00:27
1	Sb	206.836†	78.5	25.9	-0.0486	mg/L	-0.0486	mg/L	01:00:27
1	Se	196.026†	-34.9	-28.0	0.0380	mg/L	0.0380	mg/L	01:00:27
1	Sn	189.927†	-133.6	-109.6	0.4299	mg/L	0.4299	mg/L	01:00:27
1	Ti	337.279†	5302439.6	4237301.9	5.994	mg/L	5.994	mg/L	01:00:15
1	Tl	190.801†	13.5	8.8	-0.0962	mg/L	-0.0962	mg/L	01:00:27
1	V	292.402†	38158.4	31173.0	0.1595	mg/L	0.1595	mg/L	01:00:17
1	Zn	213.857†	56611.6	44433.6	0.4758	mg/L	0.4758	mg/L	01:00:17
2	B	249.677†	1.4	-3.1	0.0007	mg/L	0.0007	mg/L	01:00:06
2	Fe	234.349†	226315.8	178446.8	153.0	mg/L	153.0	mg/L	01:00:04
2	K	766.490†	14303.9	11109.4	6.173	mg/L	6.173	mg/L	01:00:06
2	Li	670.784†	6333.9	5169.5	0.1603	mg/L	0.1603	mg/L	01:00:06
2	Na	589.592†	9175.7	7084.1	1.260	mg/L	1.260	mg/L	01:00:06
2	Sr	407.771†	106576.1	83900.1	0.0885	mg/L	0.0885	mg/L	01:00:04
2	Y	371.029	3141573.0	3141573.0	1.27	mg/L	1.27	mg/L	01:00:35
2	Ag	328.068†	73.9	-1325.9	-0.0010	mg/L	-0.0010	mg/L	01:00:37
2	Al	237.313†	1036577.9	817428.1	105.5	mg/L	105.5	mg/L	01:00:35
2	As	188.979†	55.0	40.3	0.1159	mg/L	0.1159	mg/L	01:00:47
2	B	182.528†	18.2	11.7	0.0282	mg/L	0.0282	mg/L	01:00:47
2	Ba	233.527†	24676.4	19510.7	0.2680	mg/L	0.2680	mg/L	01:00:37
2	Be	313.107†	10902.7	9112.2	0.0053	mg/L	0.0053	mg/L	01:00:37
2	Ca	315.887†	2987662.9	2355502.2	22.17	mg/L	22.17	mg/L	01:00:35
2	Cd	228.802†	158.2	61.9	0.0019	mg/L	0.0019	mg/L	01:00:47
2	Co	228.616†	3262.3	2637.1	0.0517	mg/L	0.0517	mg/L	01:00:47
2	Cr	267.716†	15296.1	11652.0	0.1251	mg/L	0.1251	mg/L	01:00:37
2	Cu	324.752†	33711.7	25347.1	0.1441	mg/L	0.1441	mg/L	01:00:37
2	Fe	238.204†	19305069.0	15221126.0	128.6	mg/L	128.6	mg/L	01:00:31
2	Mg	279.077†	405402.3	319508.8	28.15	mg/L	28.15	mg/L	01:00:35
2	Mn	257.610†	1794149.7	1413447.8	2.496	mg/L	2.496	mg/L	01:00:35
2	Mo	202.031†	381.3	273.5	-0.0333	mg/L	-0.0333	mg/L	01:00:37
2	Ni	231.604†	3853.8	3057.3	0.1046	mg/L	0.1046	mg/L	01:00:47
2	P	214.914†	7070.9	5232.4	3.499	mg/L	3.499	mg/L	01:00:47
2	Pb	220.353†	4962.1	3854.3	0.2991	mg/L	0.2991	mg/L	01:00:47
2	Sb	206.836†	87.7	32.4	-0.0417	mg/L	-0.0417	mg/L	01:00:47
2	Se	196.026†	-48.3	-38.1	0.0267	mg/L	0.0267	mg/L	01:00:47
2	Sn	189.927†	-144.6	-116.9	0.4180	mg/L	0.4180	mg/L	01:00:47
2	Ti	337.279†	5388539.7	4249109.4	6.011	mg/L	6.011	mg/L	01:00:35
2	Tl	190.801†	6.0	2.8	-0.0984	mg/L	-0.0984	mg/L	01:00:47
2	V	292.402†	38595.7	31114.2	0.1597	mg/L	0.1597	mg/L	01:00:37
2	Zn	213.857†	56431.9	43693.2	0.4678	mg/L	0.4678	mg/L	01:00:37

Mean Data: 1210132-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3120782.0	1.26	mg/L	0.012				0.94%
Ag 328.068†	-1311.4	-0.0007	mg/L	0.00036	-0.0007	mg/L	0.00036	49.73%
Al 237.313†	815903.7	105.3	mg/L	0.28	105.3	mg/L	0.28	0.26%
As 188.979†	38.1	0.1138	mg/L	0.00294	0.1138	mg/L	0.00294	2.58%
B 182.528†	12.2	0.0291	mg/L	0.00128	0.0291	mg/L	0.00128	4.40%
B 249.677†	-8.7	-0.0026	mg/L	0.00464	-0.0026	mg/L	0.00464	178.92%
Ba 233.527†	19619.5	0.2695	mg/L	0.00213	0.2695	mg/L	0.00213	0.79%
Be 313.107†	9138.1	0.0053	mg/L	0.00002	0.0053	mg/L	0.00002	0.41%
Ca 315.887†	2353100.5	22.15	mg/L	0.032	22.15	mg/L	0.032	0.14%
Cd 228.802†	62.3	0.0019	mg/L	0.00003	0.0019	mg/L	0.00003	1.78%
Co 228.616†	2640.6	0.0518	mg/L	0.00015	0.0518	mg/L	0.00015	0.28%
Cr 267.716†	11715.2	0.1258	mg/L	0.00098	0.1258	mg/L	0.00098	0.78%
Cu 324.752†	26467.4	0.1504	mg/L	0.00891	0.1504	mg/L	0.00891	5.92%
Fe 234.349†	180484.6	154.7	mg/L	2.47	154.7	mg/L	2.47	1.60%
Fe 238.204†	15370299.5	129.9	mg/L	1.78	129.9	mg/L	1.78	1.37%
K 766.490†	11217.2	6.231	mg/L	0.0821	6.231	mg/L	0.0821	1.32%

2	Ca	315.887†	1482917.3	1154592.6	10.86	mg/L	10.86	mg/L	01:04:37
2	Cd	228.802†	161.5	62.9	0.0019	mg/L	0.0019	mg/L	01:04:49
2	Co	228.616†	5535.7	4375.5	0.0873	mg/L	0.0873	mg/L	01:04:49
2	Cr	267.716†	24211.4	18445.0	0.1999	mg/L	0.1999	mg/L	01:04:39
2	Cu	324.752†	41472.5	31061.3	0.1796	mg/L	0.1796	mg/L	01:04:39
2	Fe	238.204†	28318164.0	22051133.3	186.4	mg/L	186.4	mg/L	01:04:34
2	Mg	279.077†	826799.3	643691.8	56.74	mg/L	56.74	mg/L	01:04:37
2	Mn	257.610†	2429475.6	1890658.9	3.340	mg/L	3.340	mg/L	01:04:37
2	Mo	202.031†	133.6	76.9	-0.0704	mg/L	-0.0704	mg/L	01:04:39
2	Ni	231.604†	7117.3	5561.0	0.1933	mg/L	0.1933	mg/L	01:04:39
2	P	214.914†	6271.3	4540.7	3.288	mg/L	3.288	mg/L	01:04:49
2	Pb	220.353†	3093.4	2350.7	0.1530	mg/L	0.1530	mg/L	01:04:49
2	Sb	206.836†	108.2	47.5	-0.0668	mg/L	-0.0668	mg/L	01:04:49
2	Se	196.026†	-66.2	-51.6	0.0500	mg/L	0.0500	mg/L	01:04:49
2	Sn	189.927†	-95.3	-77.1	0.6767	mg/L	0.6767	mg/L	01:04:49
2	Ti	337.279†	9183326.9	7151494.9	10.12	mg/L	10.12	mg/L	01:04:34
2	Tl	190.801†	7.3	3.7	-0.1523	mg/L	-0.1523	mg/L	01:04:49
2	V	292.402†	54017.9	42746.7	0.2134	mg/L	0.2134	mg/L	01:04:39
2	Zn	213.857†	64445.0	49382.0	0.5284	mg/L	0.5284	mg/L	01:04:39

Mean Data: 1210132-02

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3177856.4	1.28	mg/L	0.002				0.14%
Ag 328.068†	-1951.8	0.0005	mg/L	0.00001	0.0005	mg/L	0.00001	1.75%
Al 237.313†	1276163.8	164.7	mg/L	0.45	164.7	mg/L	0.45	0.27%
As 188.979†	49.2	0.1638	mg/L	0.01464	0.1638	mg/L	0.01464	8.94%
B 182.528†	21.5	0.0474	mg/L	0.00611	0.0474	mg/L	0.00611	12.90%
B 249.677†	-26.2	-0.0129	mg/L	0.00450	-0.0129	mg/L	0.00450	34.81%
Ba 233.527†	18341.8	0.2518	mg/L	0.00424	0.2518	mg/L	0.00424	1.68%
Be 313.107†	10116.8	0.0059	mg/L	0.00010	0.0059	mg/L	0.00010	1.69%
Ca 315.887†	1158152.2	10.90	mg/L	0.047	10.90	mg/L	0.047	0.44%
Cd 228.802†	67.8	0.0021	mg/L	0.00019	0.0021	mg/L	0.00019	9.08%
Co 228.616†	4388.4	0.0875	mg/L	0.00032	0.0875	mg/L	0.00032	0.36%
Cr 267.716†	18790.4	0.2037	mg/L	0.00538	0.2037	mg/L	0.00538	2.64%
Cu 324.752†	31650.1	0.1829	mg/L	0.00475	0.1829	mg/L	0.00475	2.59%
Fe 234.349†	281004.3	240.9	mg/L	3.55	240.9	mg/L	3.55	1.47%
Fe 238.204†	22157901.4	187.3	mg/L	1.28	187.3	mg/L	1.28	0.68%
K 766.490†	12450.5	6.894	mg/L	0.0701	6.894	mg/L	0.0701	1.02%
Li 670.784†	9774.6	0.3025	mg/L	0.00173	0.3025	mg/L	0.00173	0.57%
Mg 279.077†	645136.9	56.87	mg/L	0.180	56.87	mg/L	0.180	0.32%
Mn 257.610†	1895746.7	3.349	mg/L	0.0127	3.349	mg/L	0.0127	0.38%
Mo 202.031†	91.2	-0.0704	mg/L	0.00004	-0.0704	mg/L	0.00004	0.05%
Na 589.592†	19593.1	3.306	mg/L	0.0230	3.306	mg/L	0.0230	0.70%
Ni 231.604†	5643.6	0.1962	mg/L	0.00414	0.1962	mg/L	0.00414	2.11%
P 214.914†	4552.2	3.301	mg/L	0.0179	3.301	mg/L	0.0179	0.54%
Pb 220.353†	2366.6	0.1543	mg/L	0.00181	0.1543	mg/L	0.00181	1.17%
Sb 206.836†	48.6	-0.0669	mg/L	0.00022	-0.0669	mg/L	0.00022	0.33%
Se 196.026†	-58.8	0.0441	mg/L	0.00836	0.0441	mg/L	0.00836	18.95%
Sn 189.927†	-62.2	0.6874	mg/L	0.01512	0.6874	mg/L	0.01512	2.20%
Sr 407.771†	59291.6	0.0627	mg/L	0.00079	0.0627	mg/L	0.00079	1.26%
Ti 337.279†	7187011.1	10.17	mg/L	0.071	10.17	mg/L	0.071	0.70%
Tl 190.801†	5.2	-0.1527	mg/L	0.00064	-0.1527	mg/L	0.00064	0.42%
V 292.402†	43333.3	0.2166	mg/L	0.00451	0.2166	mg/L	0.00451	2.08%
Zn 213.857†	50168.3	0.5369	mg/L	0.01192	0.5369	mg/L	0.01192	2.22%

Sequence No.: 133

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/7/2012 1:06:25 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	996.1	819.1	0.4785	mg/L	0.4785	mg/L	01:08:10
1	Fe 234.349†	3913.1	3239.8	2.784	mg/L	2.784	mg/L	01:08:10
1	K 766.490†	53519.3	44063.8	23.90	mg/L	23.90	mg/L	01:08:08
1	Li 670.784†	18551.0	15507.4	0.4796	mg/L	0.4796	mg/L	01:08:10
1	Na 589.592†	175137.4	144596.6	23.75	mg/L	23.75	mg/L	01:08:08

1	Sr 407.771†	57399.8	47308.7	0.0501 mg/L	0.0501 mg/L	01:08:08
1	Y 371.029	2997062.8	2997062.8	1.21 mg/L		01:08:19
1	Ag 328.068†	38566.6	30490.2	0.2582 mg/L	0.2582 mg/L	01:08:21
1	Al 237.313†	24944.3	20743.4	2.675 mg/L	2.675 mg/L	01:08:21
1	As 188.979†	525.5	431.3	0.5401 mg/L	0.5401 mg/L	01:08:31
1	B 182.528†	342.7	280.6	0.5529 mg/L	0.5529 mg/L	01:08:31
1	Ba 233.527†	46094.7	38150.7	0.5258 mg/L	0.5258 mg/L	01:08:21
1	Be 313.107†	97759.6	81312.0	0.0485 mg/L	0.0485 mg/L	01:08:21
1	Ca 315.887†	625400.2	516727.7	4.854 mg/L	4.854 mg/L	01:08:19
1	Cd 228.802†	8408.3	6886.5	0.2416 mg/L	0.2416 mg/L	01:08:31
1	Co 228.616†	24489.8	20305.2	0.5064 mg/L	0.5064 mg/L	01:08:21
1	Cr 267.716†	56120.8	45974.2	0.5037 mg/L	0.5037 mg/L	01:08:21
1	Cu 324.752†	112074.0	91393.4	0.5117 mg/L	0.5117 mg/L	01:08:21
1	Fe 238.204†	389122.4	321444.3	2.706 mg/L	2.706 mg/L	01:08:21
1	Mg 279.077†	70913.9	58473.8	5.121 mg/L	5.121 mg/L	01:08:21
1	Mn 257.610†	358870.2	295430.0	0.5196 mg/L	0.5196 mg/L	01:08:21
1	Mo 202.031†	11328.0	9335.2	0.4962 mg/L	0.4962 mg/L	01:08:31
1	Ni 231.604†	18652.3	15434.5	0.5440 mg/L	0.5440 mg/L	01:08:21
1	P 214.914†	10357.1	8217.2	4.910 mg/L	4.910 mg/L	01:08:31
1	Pb 220.353†	7122.7	5828.6	0.4973 mg/L	0.4973 mg/L	01:08:31
1	Sb 206.836†	810.0	632.6	0.5309 mg/L	0.5309 mg/L	01:08:31
1	Se 196.026†	1332.5	1101.2	1.068 mg/L	1.068 mg/L	01:08:31
1	Sn 189.927†	2866.8	2366.5	0.5405 mg/L	0.5405 mg/L	01:08:31
1	Ti 337.279†	423570.4	350530.7	0.4940 mg/L	0.4940 mg/L	01:08:19
1	Tl 190.801†	856.2	705.6	0.4831 mg/L	0.4831 mg/L	01:08:31
1	V 292.402†	96900.0	80768.8	0.5095 mg/L	0.5095 mg/L	01:08:21
1	Zn 213.857†	61529.0	50051.2	0.5331 mg/L	0.5331 mg/L	01:08:21
2	B 249.677†	999.4	822.1	0.4803 mg/L	0.4803 mg/L	01:08:15
2	Fe 234.349†	3908.9	3237.7	2.782 mg/L	2.782 mg/L	01:08:15
2	K 766.490†	52882.9	43555.1	23.62 mg/L	23.62 mg/L	01:08:13
2	Li 670.784†	18598.4	15552.7	0.4810 mg/L	0.4810 mg/L	01:08:15
2	Na 589.592†	173881.8	143615.7	23.59 mg/L	23.59 mg/L	01:08:13
2	Sr 407.771†	56805.1	46835.7	0.0496 mg/L	0.0496 mg/L	01:08:13
2	Y 371.029	2995877.6	2995877.6	1.21 mg/L		01:08:34
2	Ag 328.068†	38573.4	30508.5	0.2583 mg/L	0.2583 mg/L	01:08:36
2	Al 237.313†	24952.7	20758.5	2.677 mg/L	2.677 mg/L	01:08:36
2	As 188.979†	516.7	424.2	0.5313 mg/L	0.5313 mg/L	01:08:46
2	B 182.528†	333.3	272.9	0.5380 mg/L	0.5380 mg/L	01:08:46
2	Ba 233.527†	46088.3	38160.5	0.5259 mg/L	0.5259 mg/L	01:08:36
2	Be 313.107†	97959.0	81508.8	0.0486 mg/L	0.0486 mg/L	01:08:36
2	Ca 315.887†	623516.6	515374.7	4.841 mg/L	4.841 mg/L	01:08:34
2	Cd 228.802†	8429.3	6906.6	0.2423 mg/L	0.2423 mg/L	01:08:46
2	Co 228.616†	24521.1	20339.0	0.5072 mg/L	0.5072 mg/L	01:08:36
2	Cr 267.716†	55935.7	45839.6	0.5022 mg/L	0.5022 mg/L	01:08:36
2	Cu 324.752†	111920.3	91303.0	0.5112 mg/L	0.5112 mg/L	01:08:36
2	Fe 238.204†	385968.6	318964.0	2.685 mg/L	2.685 mg/L	01:08:36
2	Mg 279.077†	70709.7	58328.2	5.108 mg/L	5.108 mg/L	01:08:36
2	Mn 257.610†	358241.8	295027.8	0.5189 mg/L	0.5189 mg/L	01:08:36
2	Mo 202.031†	11329.4	9340.1	0.4965 mg/L	0.4965 mg/L	01:08:46
2	Ni 231.604†	18695.0	15475.9	0.5454 mg/L	0.5454 mg/L	01:08:36
2	P 214.914†	10395.9	8252.7	4.931 mg/L	4.931 mg/L	01:08:46
2	Pb 220.353†	7137.2	5842.9	0.4986 mg/L	0.4986 mg/L	01:08:46
2	Sb 206.836†	810.3	633.1	0.5313 mg/L	0.5313 mg/L	01:08:46
2	Se 196.026†	1331.2	1100.5	1.067 mg/L	1.067 mg/L	01:08:46
2	Sn 189.927†	2877.0	2375.8	0.5426 mg/L	0.5426 mg/L	01:08:46
2	Ti 337.279†	421875.4	349267.8	0.4922 mg/L	0.4922 mg/L	01:08:34
2	Tl 190.801†	850.3	701.0	0.4799 mg/L	0.4799 mg/L	01:08:46
2	V 292.402†	96884.7	80787.8	0.5096 mg/L	0.5096 mg/L	01:08:36
2	Zn 213.857†	61528.3	50070.7	0.5333 mg/L	0.5333 mg/L	01:08:36

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2996470.2	1.21 mg/L	0.000			0.03%
Ag 328.068†	30499.4	0.2583 mg/L	0.00011	0.2583 mg/L	0.00011	0.04%
QC value within limits for Ag 328.068 Recovery = 103.30%						
Al 237.313†	20751.0	2.676 mg/L	0.0014	2.676 mg/L	0.0014	0.05%
QC value within limits for Al 237.313 Recovery = 107.06%						
As 188.979†	427.8	0.5357 mg/L	0.00627	0.5357 mg/L	0.00627	1.17%
QC value within limits for As 188.979 Recovery = 107.14%						
B 182.528†	276.8	0.5454 mg/L	0.01051	0.5454 mg/L	0.01051	1.93%
QC value within limits for B 182.528 Recovery = 109.09%						

B	249.677†	820.6	0.4794 mg/L	0.00124	0.4794 mg/L	0.00124	0.26%
	QC value within limits for B 249.677			Recovery = 95.88%			
Ba	233.527†	38155.6	0.5258 mg/L	0.00010	0.5258 mg/L	0.00010	0.02%
	QC value within limits for Ba 233.527			Recovery = 105.17%			
Be	313.107†	81410.4	0.0485 mg/L	0.00008	0.0485 mg/L	0.00008	0.17%
	QC value within limits for Be 313.107			Recovery = 97.03%			
Ca	315.887†	516051.2	4.848 mg/L	0.0090	4.848 mg/L	0.0090	0.19%
	QC value within limits for Ca 315.887			Recovery = 96.96%			
Cd	228.802†	6896.5	0.2419 mg/L	0.00053	0.2419 mg/L	0.00053	0.22%
	QC value within limits for Cd 228.802			Recovery = 96.77%			
Co	228.616†	20322.1	0.5068 mg/L	0.00060	0.5068 mg/L	0.00060	0.12%
	QC value within limits for Co 228.616			Recovery = 101.36%			
Cr	267.716†	45906.9	0.5030 mg/L	0.00105	0.5030 mg/L	0.00105	0.21%
	QC value within limits for Cr 267.716			Recovery = 100.59%			
Cu	324.752†	91348.2	0.5114 mg/L	0.00036	0.5114 mg/L	0.00036	0.07%
	QC value within limits for Cu 324.752			Recovery = 102.29%			
Fe	234.349†	3238.8	2.783 mg/L	0.0013	2.783 mg/L	0.0013	0.05%
	QC value greater than the upper limit for Fe 234.349			Recovery = 111.31%			
Fe	238.204†	320204.1	2.695 mg/L	0.0148	2.695 mg/L	0.0148	0.55%
	QC value within limits for Fe 238.204			Recovery = 107.81%			
K	766.490†	43809.4	23.76 mg/L	0.193	23.76 mg/L	0.193	0.81%
	QC value within limits for K 766.490			Recovery = 95.04%			
Li	670.784†	15530.1	0.4803 mg/L	0.00099	0.4803 mg/L	0.00099	0.21%
	QC value within limits for Li 670.784			Recovery = 96.06%			
Mg	279.077†	58401.0	5.115 mg/L	0.0091	5.115 mg/L	0.0091	0.18%
	QC value within limits for Mg 279.077			Recovery = 102.29%			
Mn	257.610†	295228.9	0.5192 mg/L	0.00050	0.5192 mg/L	0.00050	0.10%
	QC value within limits for Mn 257.610			Recovery = 103.85%			
Mo	202.031†	9337.7	0.4964 mg/L	0.00018	0.4964 mg/L	0.00018	0.04%
	QC value within limits for Mo 202.031			Recovery = 99.27%			
Na	589.592†	144106.1	23.67 mg/L	0.113	23.67 mg/L	0.113	0.48%
	QC value within limits for Na 589.592			Recovery = 94.69%			
Ni	231.604†	15455.2	0.5447 mg/L	0.00104	0.5447 mg/L	0.00104	0.19%
	QC value within limits for Ni 231.604			Recovery = 108.94%			
P	214.914†	8234.9	4.921 mg/L	0.0149	4.921 mg/L	0.0149	0.30%
	QC value within limits for P 214.914			Recovery = 98.42%			
Pb	220.353†	5835.8	0.4980 mg/L	0.00087	0.4980 mg/L	0.00087	0.18%
	QC value within limits for Pb 220.353			Recovery = 99.59%			
Sb	206.836†	632.9	0.5311 mg/L	0.00029	0.5311 mg/L	0.00029	0.05%
	QC value within limits for Sb 206.836			Recovery = 106.22%			
Se	196.026†	1100.9	1.067 mg/L	0.0004	1.067 mg/L	0.0004	0.04%
	QC value within limits for Se 196.026			Recovery = 106.72%			
Sn	189.927†	2371.1	0.5416 mg/L	0.00149	0.5416 mg/L	0.00149	0.28%
	QC value within limits for Sn 189.927			Recovery = 108.31%			
Sr	407.771†	47072.2	0.0498 mg/L	0.00035	0.0498 mg/L	0.00035	0.70%
	QC value within limits for Sr 407.771			Recovery = 99.67%			
Ti	337.279†	349899.2	0.4931 mg/L	0.00126	0.4931 mg/L	0.00126	0.26%
	QC value within limits for Ti 337.279			Recovery = 98.61%			
Tl	190.801†	703.3	0.4815 mg/L	0.00227	0.4815 mg/L	0.00227	0.47%
	QC value within limits for Tl 190.801			Recovery = 96.30%			
V	292.402†	80778.3	0.5096 mg/L	0.00008	0.5096 mg/L	0.00008	0.02%
	QC value within limits for V 292.402			Recovery = 101.92%			
Zn	213.857†	50061.0	0.5332 mg/L	0.00014	0.5332 mg/L	0.00014	0.03%
	QC value within limits for Zn 213.857			Recovery = 106.64%			
QC Failed. Continue with analysis.							

Sequence No.: 134

Sample ID: CCB1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 10/7/2012 1:10:25 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.4	-1.4	0.0018 mg/L	0.0018 mg/L	01:12:22
1	Fe 234.349†	55.0	49.7	0.0611 mg/L	0.0611 mg/L	01:12:22
1	K 766.490†	249.3	30.5	0.2136 mg/L	0.2136 mg/L	01:12:12
1	Li 670.784†	-142.7	61.4	0.0025 mg/L	0.0025 mg/L	01:12:12
1	Na 589.592†	258.0	55.6	0.1104 mg/L	0.1104 mg/L	01:12:12
1	Sr 407.771†	291.1	101.7	0.0006 mg/L	0.0006 mg/L	01:12:12

1	Y 371.029	3099167.5	3099167.5	1.25	mg/L			01:12:46
1	Ag 328.068†	1481.4	-200.2	-0.0032	mg/L	-0.0032	mg/L	01:12:48
1	Al 237.313†	115.6	219.9	0.0206	mg/L	0.0206	mg/L	01:12:58
1	As 188.979†	8.6	3.9	0.0065	mg/L	0.0065	mg/L	01:12:58
1	B 182.528†	3.5	0.1	0.0056	mg/L	0.0056	mg/L	01:12:58
1	Ba 233.527†	38.2	84.9	-0.0007	mg/L	-0.0007	mg/L	01:12:58
1	Be 313.107†	-295.2	279.9	0.0000	mg/L	0.0000	mg/L	01:12:48
1	Ca 315.887†	1663.0	1177.4	-0.0051	mg/L	-0.0051	mg/L	01:12:48
1	Cd 228.802†	89.9	9.0	0.0003	mg/L	0.0003	mg/L	01:12:58
1	Co 228.616†	-29.3	41.5	-0.0017	mg/L	-0.0017	mg/L	01:12:58
1	Cr 267.716†	523.6	10.1	-0.0031	mg/L	-0.0031	mg/L	01:12:48
1	Cu 324.752†	2634.9	872.7	0.0016	mg/L	0.0016	mg/L	01:12:48
1	Fe 238.204†	6011.4	4647.9	0.0276	mg/L	0.0276	mg/L	01:12:48
1	Mg 279.077†	354.5	148.4	-0.0247	mg/L	-0.0247	mg/L	01:12:48
1	Mn 257.610†	1310.6	-120.7	-0.0031	mg/L	-0.0031	mg/L	01:12:58
1	Mo 202.031†	47.0	10.5	0.0003	mg/L	0.0003	mg/L	01:12:58
1	Ni 231.604†	23.5	37.6	-0.0024	mg/L	-0.0024	mg/L	01:12:58
1	P 214.914†	380.1	-38.9	0.0047	mg/L	0.0047	mg/L	01:12:58
1	Pb 220.353†	230.1	125.8	0.0069	mg/L	0.0069	mg/L	01:12:58
1	Sb 206.836†	38.7	-5.9	-0.0062	mg/L	-0.0062	mg/L	01:12:58
1	Se 196.026†	9.6	7.6	0.0059	mg/L	0.0059	mg/L	01:12:58
1	Sn 189.927†	9.1	4.4	-0.0015	mg/L	-0.0015	mg/L	01:12:58
1	Ti 337.279†	1748.0	1856.2	0.0006	mg/L	0.0006	mg/L	01:12:48
1	Tl 190.801†	4.4	1.5	-0.0034	mg/L	-0.0034	mg/L	01:12:58
1	V 292.402†	-638.0	173.1	-0.0011	mg/L	-0.0011	mg/L	01:12:48
1	Zn 213.857†	2316.1	1050.0	0.0102	mg/L	0.0102	mg/L	01:12:58
2	B 249.677†	2.2	-2.4	0.0012	mg/L	0.0012	mg/L	01:12:42
2	Fe 234.349†	53.9	48.5	0.0600	mg/L	0.0600	mg/L	01:12:42
2	K 766.490†	291.3	62.1	0.2306	mg/L	0.2306	mg/L	01:12:32
2	Li 670.784†	-130.6	72.0	0.0028	mg/L	0.0028	mg/L	01:12:32
2	Na 589.592†	162.0	-22.3	0.0976	mg/L	0.0976	mg/L	01:12:32
2	Sr 407.771†	284.4	94.3	0.0006	mg/L	0.0006	mg/L	01:12:32
2	Y 371.029	3127069.1	3127069.1	1.26	mg/L			01:13:00
2	Ag 328.068†	1479.1	-212.6	-0.0033	mg/L	-0.0033	mg/L	01:13:03
2	Al 237.313†	61.8	176.5	0.0150	mg/L	0.0150	mg/L	01:13:13
2	As 188.979†	2.6	-1.0	0.0004	mg/L	0.0004	mg/L	01:13:13
2	B 182.528†	2.7	-0.5	0.0043	mg/L	0.0043	mg/L	01:13:13
2	Ba 233.527†	43.6	88.9	-0.0007	mg/L	-0.0007	mg/L	01:13:13
2	Be 313.107†	-435.2	171.1	-0.0001	mg/L	-0.0001	mg/L	01:13:03
2	Ca 315.887†	1496.5	1033.6	-0.0065	mg/L	-0.0065	mg/L	01:13:03
2	Cd 228.802†	85.3	4.7	0.0001	mg/L	0.0001	mg/L	01:13:13
2	Co 228.616†	-17.9	50.7	-0.0015	mg/L	-0.0015	mg/L	01:13:13
2	Cr 267.716†	473.5	-33.3	-0.0036	mg/L	-0.0036	mg/L	01:13:03
2	Cu 324.752†	2655.6	870.3	0.0016	mg/L	0.0016	mg/L	01:13:03
2	Fe 238.204†	5733.7	4385.0	0.0254	mg/L	0.0254	mg/L	01:13:03
2	Mg 279.077†	362.6	152.3	-0.0244	mg/L	-0.0244	mg/L	01:13:03
2	Mn 257.610†	1223.3	-199.2	-0.0032	mg/L	-0.0032	mg/L	01:13:13
2	Mo 202.031†	70.4	28.6	0.0013	mg/L	0.0013	mg/L	01:13:13
2	Ni 231.604†	26.7	40.0	-0.0024	mg/L	-0.0024	mg/L	01:13:13
2	P 214.914†	374.1	-46.4	0.0003	mg/L	0.0003	mg/L	01:13:13
2	Pb 220.353†	188.6	91.3	0.0040	mg/L	0.0040	mg/L	01:13:13
2	Sb 206.836†	37.9	-6.8	-0.0069	mg/L	-0.0069	mg/L	01:13:13
2	Se 196.026†	1.5	1.1	-0.0004	mg/L	-0.0004	mg/L	01:13:13
2	Sn 189.927†	11.2	6.0	-0.0012	mg/L	-0.0012	mg/L	01:13:13
2	Ti 337.279†	1650.8	1766.8	0.0004	mg/L	0.0004	mg/L	01:13:03
2	Tl 190.801†	6.1	2.8	-0.0025	mg/L	-0.0025	mg/L	01:13:13
2	V 292.402†	-617.1	194.3	-0.0009	mg/L	-0.0009	mg/L	01:13:03
2	Zn 213.857†	2327.1	1042.2	0.0101	mg/L	0.0101	mg/L	01:13:13

Mean Data: CCBL

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3113118.3	1.26 mg/L	0.008			0.63%
Ag 328.068†	-206.4	-0.0033 mg/L	0.00007	-0.0033 mg/L	0.00007	2.27%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated						
Al 237.313†	198.2	0.0178 mg/L	0.00397	0.0178 mg/L	0.00397	22.30%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	1.5	0.0035 mg/L	0.00426	0.0035 mg/L	0.00426	123.41%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-0.2	0.0050 mg/L	0.00089	0.0050 mg/L	0.00089	18.00%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-1.9	0.0015 mg/L	0.00039	0.0015 mg/L	0.00039	25.43%

QC value within limits for B 249.677	Recovery = Not calculated					
Ba 233.527†	86.9	-0.0007 mg/L	0.00004	-0.0007 mg/L	0.00004	5.56%
QC value within limits for Ba 233.527	Recovery = Not calculated					
Be 313.107†	225.5	0.0000 mg/L	0.00005	0.0000 mg/L	0.00005	162.72%
QC value within limits for Be 313.107	Recovery = Not calculated					
Ca 315.887†	1105.5	-0.0058 mg/L	0.00096	-0.0058 mg/L	0.00096	16.47%
QC value within limits for Ca 315.887	Recovery = Not calculated					
Cd 228.802†	6.9	0.0002 mg/L	0.00009	0.0002 mg/L	0.00009	44.76%
QC value within limits for Cd 228.802	Recovery = Not calculated					
Co 228.616†	46.1	-0.0016 mg/L	0.00016	-0.0016 mg/L	0.00016	10.41%
QC value within limits for Co 228.616	Recovery = Not calculated					
Cr 267.716†	-11.6	-0.0033 mg/L	0.00034	-0.0033 mg/L	0.00034	10.11%
QC value within limits for Cr 267.716	Recovery = Not calculated					
Cu 324.752†	871.5	0.0016 mg/L	0.00001	0.0016 mg/L	0.00001	0.61%
QC value within limits for Cu 324.752	Recovery = Not calculated					
Fe 234.349†	49.1	0.0606 mg/L	0.00075	0.0606 mg/L	0.00075	1.24%
QC value greater than the upper limit for Fe 234.349	Recovery = Not calculated					
Fe 238.204†	4516.4	0.0265 mg/L	0.00157	0.0265 mg/L	0.00157	5.94%
QC value greater than the upper limit for Fe 238.204	Recovery = Not calculated					
K 766.490†	46.3	0.2221 mg/L	0.01200	0.2221 mg/L	0.01200	5.40%
QC value greater than the upper limit for K 766.490	Recovery = Not calculated					
Li 670.784†	66.7	0.0026 mg/L	0.00023	0.0026 mg/L	0.00023	8.79%
QC value within limits for Li 670.784	Recovery = Not calculated					
Mg 279.077†	150.4	-0.0245 mg/L	0.00024	-0.0245 mg/L	0.00024	0.98%
QC value less than the lower limit for Mg 279.077	Recovery = Not calculated					
Mn 257.610†	-160.0	-0.0032 mg/L	0.00010	-0.0032 mg/L	0.00010	3.10%
QC value within limits for Mn 257.610	Recovery = Not calculated					
Mo 202.031†	19.5	0.0008 mg/L	0.00068	0.0008 mg/L	0.00068	87.21%
QC value within limits for Mo 202.031	Recovery = Not calculated					
Na 589.592†	16.7	0.1040 mg/L	0.00901	0.1040 mg/L	0.00901	8.66%
QC value within limits for Na 589.592	Recovery = Not calculated					
Ni 231.604†	38.8	-0.0024 mg/L	0.00006	-0.0024 mg/L	0.00006	2.54%
QC value less than the lower limit for Ni 231.604	Recovery = Not calculated					
P 214.914†	-42.7	0.0025 mg/L	0.00313	0.0025 mg/L	0.00313	125.64%
QC value within limits for P 214.914	Recovery = Not calculated					
Pb 220.353†	108.5	0.0055 mg/L	0.00210	0.0055 mg/L	0.00210	38.56%
QC value within limits for Pb 220.353	Recovery = Not calculated					
Sb 206.836†	-6.3	-0.0065 mg/L	0.00055	-0.0065 mg/L	0.00055	8.35%
QC value within limits for Sb 206.836	Recovery = Not calculated					
Se 196.026†	4.4	0.0028 mg/L	0.00445	0.0028 mg/L	0.00445	160.51%
QC value within limits for Se 196.026	Recovery = Not calculated					
Sn 189.927†	5.2	-0.0013 mg/L	0.00025	-0.0013 mg/L	0.00025	18.80%
QC value within limits for Sn 189.927	Recovery = Not calculated					
Sr 407.771†	98.0	0.0006 mg/L	0.00001	0.0006 mg/L	0.00001	0.98%
QC value within limits for Sr 407.771	Recovery = Not calculated					
Ti 337.279†	1811.5	0.0005 mg/L	0.00009	0.0005 mg/L	0.00009	17.63%
QC value within limits for Ti 337.279	Recovery = Not calculated					
Tl 190.801†	2.2	-0.0030 mg/L	0.00064	-0.0030 mg/L	0.00064	21.66%
QC value within limits for Tl 190.801	Recovery = Not calculated					
V 292.402†	183.7	-0.0010 mg/L	0.00010	-0.0010 mg/L	0.00010	9.51%
QC value within limits for V 292.402	Recovery = Not calculated					
Zn 213.857†	1046.1	0.0102 mg/L	0.00006	0.0102 mg/L	0.00006	0.59%
QC value within limits for Zn 213.857	Recovery = Not calculated					
QC Failed. Continue with analysis.						

Sequence No.: 135
Sample ID: 1210132-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 119
Date Collected: 10/7/2012 1:14:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210132-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-11.7	-13.4	-0.0055 mg/L	-0.0055 mg/L	01:16:32
1	Fe 234.349†	386550.7	307104.1	263.2 mg/L	263.2 mg/L	01:16:30
1	K 766.490†	39418.6	31147.7	16.95 mg/L	16.95 mg/L	01:16:32
1	Li 670.784†	7875.5	6432.2	0.1993 mg/L	0.1993 mg/L	01:16:32
1	Na 589.592†	11698.8	9143.6	1.597 mg/L	1.597 mg/L	01:16:32
1	Sr 407.771†	131948.4	104696.5	0.1103 mg/L	0.1103 mg/L	01:16:30
1	Y 371.029	3117856.3	3117856.3	1.26 mg/L		01:16:46

1	Ag	328.068†	-680.1	-1924.5	0.0024	mg/L	0.0024	mg/L	01:16:48
1	Al	237.313†	970375.4	771050.1	99.54	mg/L	99.54	mg/L	01:16:46
1	As	188.979†	74.3	56.0	0.1816	mg/L	0.1816	mg/L	01:16:58
1	B	182.528†	23.2	15.8	0.0361	mg/L	0.0361	mg/L	01:16:58
1	Ba	233.527†	60537.7	48149.1	0.6642	mg/L	0.6642	mg/L	01:16:48
1	Be	313.107†	16629.9	13727.6	0.0081	mg/L	0.0081	mg/L	01:16:48
1	Ca	315.887†	2847360.6	2261956.8	21.29	mg/L	21.29	mg/L	01:16:46
1	Cd	228.802†	189.4	87.6	0.0027	mg/L	0.0027	mg/L	01:16:58
1	Co	228.616†	6224.2	5009.7	0.1091	mg/L	0.1091	mg/L	01:16:58
1	Cr	267.716†	22281.2	17293.1	0.1873	mg/L	0.1873	mg/L	01:16:48
1	Cu	324.752†	77323.8	60197.3	0.3412	mg/L	0.3412	mg/L	01:16:48
1	Fe	238.204†	28732319.0	22826465.3	192.9	mg/L	192.9	mg/L	01:16:43
1	Mg	279.077†	551968.5	438380.9	38.64	mg/L	38.64	mg/L	01:16:46
1	Mn	257.610†	2147287.7	1704761.8	3.011	mg/L	3.011	mg/L	01:16:46
1	Mo	202.031†	417.5	304.6	-0.0661	mg/L	-0.0661	mg/L	01:16:48
1	Ni	231.604†	8685.7	6919.2	0.2414	mg/L	0.2414	mg/L	01:16:48
1	P	214.914†	15613.3	12061.4	7.818	mg/L	7.818	mg/L	01:16:48
1	Pb	220.353†	7675.4	6039.6	0.4885	mg/L	0.4885	mg/L	01:16:58
1	Sb	206.836†	108.7	49.6	-0.0760	mg/L	-0.0760	mg/L	01:16:58
1	Se	196.026†	-74.8	-59.5	0.0529	mg/L	0.0529	mg/L	01:16:58
1	Sn	189.927†	-94.7	-78.1	0.7492	mg/L	0.7492	mg/L	01:16:58
1	Ti	337.279†	6322018.0	5023037.2	7.106	mg/L	7.106	mg/L	01:16:46
1	Tl	190.801†	2.8	0.2	-0.1647	mg/L	-0.1647	mg/L	01:16:58
1	V	292.402†	56195.4	45328.0	0.2274	mg/L	0.2274	mg/L	01:16:48
1	Zn	213.857†	121630.9	95829.5	1.027	mg/L	1.027	mg/L	01:16:48
2	B	249.677†	-9.0	-11.3	-0.0043	mg/L	-0.0043	mg/L	01:16:37
2	Fe	234.349†	375608.6	297277.4	254.8	mg/L	254.8	mg/L	01:16:35
2	K	766.490†	38375.6	30203.2	16.44	mg/L	16.44	mg/L	01:16:37
2	Li	670.784†	7624.5	6209.8	0.1924	mg/L	0.1924	mg/L	01:16:37
2	Na	589.592†	11231.4	8738.4	1.531	mg/L	1.531	mg/L	01:16:37
2	Sr	407.771†	128514.9	101580.9	0.1070	mg/L	0.1070	mg/L	01:16:35
2	Y	371.029	3129745.4	3129745.4	1.26	mg/L			01:17:06
2	Ag	328.068†	-665.4	-1910.9	0.0019	mg/L	0.0019	mg/L	01:17:08
2	Al	237.313†	974084.8	771057.3	99.54	mg/L	99.54	mg/L	01:17:06
2	As	188.979†	79.2	59.7	0.1826	mg/L	0.1826	mg/L	01:17:18
2	B	182.528†	19.0	12.4	0.0295	mg/L	0.0295	mg/L	01:17:18
2	Ba	233.527†	60709.6	48102.4	0.6636	mg/L	0.6636	mg/L	01:17:08
2	Be	313.107†	16653.0	13695.7	0.0080	mg/L	0.0080	mg/L	01:17:08
2	Ca	315.887†	2854032.3	2258643.9	21.26	mg/L	21.26	mg/L	01:17:06
2	Cd	228.802†	204.3	98.9	0.0031	mg/L	0.0031	mg/L	01:17:18
2	Co	228.616†	6283.3	5037.7	0.1098	mg/L	0.1098	mg/L	01:17:18
2	Cr	267.716†	22263.7	17212.0	0.1864	mg/L	0.1864	mg/L	01:17:08
2	Cu	324.752†	77527.6	60125.2	0.3408	mg/L	0.3408	mg/L	01:17:08
2	Fe	238.204†	28569746.1	22611086.0	191.1	mg/L	191.1	mg/L	01:17:02
2	Mg	279.077†	553755.5	438129.4	38.61	mg/L	38.61	mg/L	01:17:06
2	Mn	257.610†	2154241.1	1703784.6	3.010	mg/L	3.010	mg/L	01:17:06
2	Mo	202.031†	455.8	333.6	-0.0620	mg/L	-0.0620	mg/L	01:17:08
2	Ni	231.604†	8751.3	6944.9	0.2424	mg/L	0.2424	mg/L	01:17:08
2	P	214.914†	15681.0	12067.9	7.802	mg/L	7.802	mg/L	01:17:08
2	Pb	220.353†	7647.0	5994.0	0.4846	mg/L	0.4846	mg/L	01:17:18
2	Sb	206.836†	93.6	37.3	-0.0826	mg/L	-0.0826	mg/L	01:17:18
2	Se	196.026†	-73.7	-58.4	0.0504	mg/L	0.0504	mg/L	01:17:18
2	Sn	189.927†	-58.8	-49.4	0.7310	mg/L	0.7310	mg/L	01:17:18
2	Ti	337.279†	6345792.0	5022773.4	7.105	mg/L	7.105	mg/L	01:17:06
2	Tl	190.801†	2.1	-0.3	-0.1603	mg/L	-0.1603	mg/L	01:17:18
2	V	292.402†	56385.6	45308.9	0.2289	mg/L	0.2289	mg/L	01:17:08
2	Zn	213.857†	121930.6	95699.6	1.026	mg/L	1.026	mg/L	01:17:08

Mean Data: 1210132-03

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3123800.8	1.26	mg/L	0.003				0.27%
Ag 328.068†	-1917.7	0.0022	mg/L	0.00038	0.0022	mg/L	0.00038	17.45%
Al 237.313†	771053.7	99.54	mg/L	0.001	99.54	mg/L	0.001	0.00%
As 188.979†	57.9	0.1821	mg/L	0.00072	0.1821	mg/L	0.00072	0.39%
B 182.528†	14.1	0.0328	mg/L	0.00472	0.0328	mg/L	0.00472	14.38%
B 249.677†	-12.4	-0.0049	mg/L	0.00087	-0.0049	mg/L	0.00087	17.83%
Ba 233.527†	48125.7	0.6639	mg/L	0.00046	0.6639	mg/L	0.00046	0.07%
Be 313.107†	13711.6	0.0080	mg/L	0.00001	0.0080	mg/L	0.00001	0.17%
Ca 315.887†	2260300.3	21.28	mg/L	0.022	21.28	mg/L	0.022	0.10%
Cd 228.802†	93.2	0.0029	mg/L	0.00027	0.0029	mg/L	0.00027	9.11%
Co 228.616†	5023.7	0.1095	mg/L	0.00050	0.1095	mg/L	0.00050	0.46%

Cr 267.716†	17252.6	0.1868 mg/L	0.00063	0.1868 mg/L	0.00063	0.34%
Cu 324.752†	60161.2	0.3410 mg/L	0.00029	0.3410 mg/L	0.00029	0.08%
Fe 234.349†	302190.8	259.0 mg/L	5.96	259.0 mg/L	5.96	2.30%
Fe 238.204†	22718775.7	192.0 mg/L	1.29	192.0 mg/L	1.29	0.67%
K 766.490†	30675.5	16.70 mg/L	0.359	16.70 mg/L	0.359	2.15%
Li 670.784†	6321.0	0.1958 mg/L	0.00486	0.1958 mg/L	0.00486	2.48%
Mg 279.077†	438255.1	38.62 mg/L	0.016	38.62 mg/L	0.016	0.04%
Mn 257.610†	1704273.2	3.010 mg/L	0.0012	3.010 mg/L	0.0012	0.04%
Mo 202.031†	319.1	-0.0640 mg/L	0.00295	-0.0640 mg/L	0.00295	4.60%
Na 589.592†	8941.0	1.564 mg/L	0.0469	1.564 mg/L	0.0469	3.00%
Ni 231.604†	6932.1	0.2419 mg/L	0.00065	0.2419 mg/L	0.00065	0.27%
P 214.914†	12064.7	7.810 mg/L	0.0113	7.810 mg/L	0.0113	0.14%
Pb 220.353†	6016.8	0.4866 mg/L	0.00279	0.4866 mg/L	0.00279	0.57%
Sb 206.836†	43.4	-0.0793 mg/L	0.00469	-0.0793 mg/L	0.00469	5.91%
Se 196.026†	-58.9	0.0517 mg/L	0.00177	0.0517 mg/L	0.00177	3.43%
Sn 189.927†	-63.8	0.7401 mg/L	0.01282	0.7401 mg/L	0.01282	1.73%
Sr 407.771†	103138.7	0.1087 mg/L	0.00231	0.1087 mg/L	0.00231	2.13%
Ti 337.279†	5022905.3	7.106 mg/L	0.0003	7.106 mg/L	0.0003	0.00%
Tl 190.801†	-0.1	-0.1625 mg/L	0.00312	-0.1625 mg/L	0.00312	1.92%
V 292.402†	45318.4	0.2282 mg/L	0.00105	0.2282 mg/L	0.00105	0.46%
Zn 213.857†	95764.6	1.027 mg/L	0.0010	1.027 mg/L	0.0010	0.10%

Sequence No.: 136
Sample ID: 1210132-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 120
Date Collected: 10/7/2012 1:18:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210132-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-39.5	-35.1	-0.0182 mg/L		-0.0182 mg/L	01:20:35
1	Fe 234.349†	389338.7	305575.5	261.9 mg/L		261.9 mg/L	01:20:33
1	K 766.490†	36234.9	28270.0	15.40 mg/L		15.40 mg/L	01:20:35
1	Li 670.784†	7339.3	5935.6	0.1839 mg/L		0.1839 mg/L	01:20:35
1	Na 589.592†	12299.1	9502.3	1.656 mg/L		1.656 mg/L	01:20:35
1	Sr 407.771†	122780.1	96232.1	0.1014 mg/L		0.1014 mg/L	01:20:33
1	Y 371.029	3156052.7	3156052.7	1.27 mg/L			01:20:49
1	Ag 328.068†	-728.5	-1956.0	0.0020 mg/L		0.0020 mg/L	01:20:51
1	Al 237.313†	959004.5	752795.5	97.18 mg/L		97.18 mg/L	01:20:49
1	As 188.979†	83.5	62.5	0.1892 mg/L		0.1892 mg/L	01:21:01
1	B 182.528†	29.8	20.7	0.0458 mg/L		0.0458 mg/L	01:21:01
1	Ba 233.527†	44946.2	35330.1	0.4869 mg/L		0.4869 mg/L	01:20:51
1	Be 313.107†	16746.6	13659.3	0.0080 mg/L		0.0080 mg/L	01:20:51
1	Ca 315.887†	2666541.9	2092665.1	19.70 mg/L		19.70 mg/L	01:20:49
1	Cd 228.802†	201.2	95.1	0.0030 mg/L		0.0030 mg/L	01:21:01
1	Co 228.616†	6688.3	5314.1	0.1170 mg/L		0.1170 mg/L	01:21:01
1	Cr 267.716†	22038.9	16888.7	0.1828 mg/L		0.1828 mg/L	01:20:51
1	Cu 324.752†	72704.8	55828.6	0.3166 mg/L		0.3166 mg/L	01:20:51
1	Fe 238.204†	29262215.2	22966089.1	194.1 mg/L		194.1 mg/L	01:20:46
1	Mg 279.077†	567355.4	445150.0	39.23 mg/L		39.23 mg/L	01:20:49
1	Mn 257.610†	2003968.4	1571632.5	2.776 mg/L		2.776 mg/L	01:20:49
1	Mo 202.031†	364.5	259.0	-0.0681 mg/L		-0.0681 mg/L	01:20:51
1	Ni 231.604†	9241.8	7272.1	0.2539 mg/L		0.2539 mg/L	01:20:51
1	P 214.914†	13924.8	10586.1	6.937 mg/L		6.937 mg/L	01:21:01
1	Pb 220.353†	7127.0	5535.4	0.4458 mg/L		0.4458 mg/L	01:21:01
1	Sb 206.836†	98.5	40.5	-0.0831 mg/L		-0.0831 mg/L	01:21:01
1	Se 196.026†	-78.9	-62.0	0.0499 mg/L		0.0499 mg/L	01:21:01
1	Sn 189.927†	-71.7	-59.2	0.7496 mg/L		0.7496 mg/L	01:21:01
1	Ti 337.279†	6300770.1	4945574.7	6.996 mg/L		6.996 mg/L	01:20:49
1	Tl 190.801†	4.5	1.6	-0.1628 mg/L		-0.1628 mg/L	01:21:01
1	V 292.402†	51000.3	40710.3	0.1988 mg/L		0.1988 mg/L	01:20:51
1	Zn 213.857†	109303.0	84984.5	0.9106 mg/L		0.9106 mg/L	01:20:51
2	B 249.677†	-11.4	-13.2	-0.0054 mg/L		-0.0054 mg/L	01:20:40
2	Fe 234.349†	383455.7	303635.7	260.3 mg/L		260.3 mg/L	01:20:38
2	K 766.490†	36159.8	28463.5	15.51 mg/L		15.51 mg/L	01:20:40
2	Li 670.784†	7426.1	6055.6	0.1876 mg/L		0.1876 mg/L	01:20:40
2	Na 589.592†	12290.1	9581.0	1.668 mg/L		1.668 mg/L	01:20:40
2	Sr 407.771†	121029.1	95703.0	0.1009 mg/L		0.1009 mg/L	01:20:38
2	Y 371.029	3128222.3	3128222.3	1.26 mg/L			01:21:09
2	Ag 328.068†	-742.7	-1972.3	0.0018 mg/L		0.0018 mg/L	01:21:11

2	Al	237.313†	948912.1	751500.3	97.01	mg/L	97.01	mg/L	01:21:09
2	As	188.979†	80.3	60.6	0.1861	mg/L	0.1861	mg/L	01:21:21
2	B	182.528†	19.3	12.6	0.0300	mg/L	0.0300	mg/L	01:21:21
2	Ba	233.527†	45317.9	35938.3	0.4953	mg/L	0.4953	mg/L	01:21:11
2	Be	313.107†	16799.2	13817.9	0.0081	mg/L	0.0081	mg/L	01:21:11
2	Ca	315.887†	2633864.9	2085409.5	19.63	mg/L	19.63	mg/L	01:21:09
2	Cd	228.802†	199.9	95.5	0.0030	mg/L	0.0030	mg/L	01:21:21
2	Co	228.616†	6598.3	5289.6	0.1164	mg/L	0.1164	mg/L	01:21:21
2	Cr	267.716†	22095.9	17087.7	0.1850	mg/L	0.1850	mg/L	01:21:11
2	Cu	324.752†	73368.5	56861.8	0.3224	mg/L	0.3224	mg/L	01:21:11
2	Fe	238.204†	29239915.7	23152752.2	195.7	mg/L	195.7	mg/L	01:21:05
2	Mg	279.077†	559954.3	443251.1	39.06	mg/L	39.06	mg/L	01:21:09
2	Mn	257.610†	1982033.7	1568256.5	2.770	mg/L	2.770	mg/L	01:21:09
2	Mo	202.031†	391.4	282.8	-0.0663	mg/L	-0.0663	mg/L	01:21:11
2	Ni	231.604†	9287.8	7373.1	0.2575	mg/L	0.2575	mg/L	01:21:11
2	P	214.914†	13673.9	10484.6	6.873	mg/L	6.873	mg/L	01:21:21
2	Pb	220.353†	7021.7	5501.8	0.4429	mg/L	0.4429	mg/L	01:21:21
2	Sb	206.836†	92.7	36.6	-0.0857	mg/L	-0.0857	mg/L	01:21:21
2	Se	196.026†	-76.4	-60.5	0.0507	mg/L	0.0507	mg/L	01:21:21
2	Sn	189.927†	-54.4	-46.0	0.7477	mg/L	0.7477	mg/L	01:21:21
2	Ti	337.279†	6241761.9	4942844.9	6.992	mg/L	6.992	mg/L	01:21:09
2	Tl	190.801†	6.1	2.8	-0.1610	mg/L	-0.1610	mg/L	01:21:21
2	V	292.402†	51347.3	41341.2	0.2031	mg/L	0.2031	mg/L	01:21:11
2	Zn	213.857†	110278.5	86520.2	0.9271	mg/L	0.9271	mg/L	01:21:11

Mean Data: 1210132-04

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3142137.5	1.27	mg/L	0.008				0.63%
Ag 328.068†	-1964.2	0.0019	mg/L	0.00019	0.0019	mg/L	0.00019	9.83%
Al 237.313†	752147.9	97.10	mg/L	0.118	97.10	mg/L	0.118	0.12%
As 188.979†	61.5	0.1876	mg/L	0.00223	0.1876	mg/L	0.00223	1.19%
B 182.528†	16.7	0.0379	mg/L	0.01115	0.0379	mg/L	0.01115	29.44%
B 249.677†	-24.1	-0.0118	mg/L	0.00904	-0.0118	mg/L	0.00904	76.85%
Ba 233.527†	35634.2	0.4911	mg/L	0.00595	0.4911	mg/L	0.00595	1.21%
Be 313.107†	13738.6	0.0081	mg/L	0.00007	0.0081	mg/L	0.00007	0.83%
Ca 315.887†	2089037.3	19.66	mg/L	0.048	19.66	mg/L	0.048	0.25%
Cd 228.802†	95.3	0.0030	mg/L	0.00002	0.0030	mg/L	0.00002	0.59%
Co 228.616†	5301.9	0.1167	mg/L	0.00043	0.1167	mg/L	0.00043	0.37%
Cr 267.716†	16988.2	0.1839	mg/L	0.00155	0.1839	mg/L	0.00155	0.84%
Cu 324.752†	56345.2	0.3195	mg/L	0.00411	0.3195	mg/L	0.00411	1.29%
Fe 234.349†	304605.6	261.1	mg/L	1.18	261.1	mg/L	1.18	0.45%
Fe 238.204†	23059420.6	194.9	mg/L	1.12	194.9	mg/L	1.12	0.57%
K 766.490†	28366.7	15.45	mg/L	0.074	15.45	mg/L	0.074	0.48%
Li 670.784†	5995.6	0.1858	mg/L	0.00262	0.1858	mg/L	0.00262	1.41%
Mg 279.077†	444200.6	39.15	mg/L	0.118	39.15	mg/L	0.118	0.30%
Mn 257.610†	1569944.5	2.773	mg/L	0.0042	2.773	mg/L	0.0042	0.15%
Mo 202.031†	270.9	-0.0672	mg/L	0.00126	-0.0672	mg/L	0.00126	1.88%
Na 589.592†	9541.6	1.662	mg/L	0.0091	1.662	mg/L	0.0091	0.55%
Ni 231.604†	7322.6	0.2557	mg/L	0.00253	0.2557	mg/L	0.00253	0.99%
P 214.914†	10535.4	6.905	mg/L	0.0455	6.905	mg/L	0.0455	0.66%
Pb 220.353†	5518.6	0.4444	mg/L	0.00203	0.4444	mg/L	0.00203	0.46%
Sb 206.836†	38.5	-0.0844	mg/L	0.00179	-0.0844	mg/L	0.00179	2.12%
Se 196.026†	-61.3	0.0503	mg/L	0.00051	0.0503	mg/L	0.00051	1.01%
Sn 189.927†	-52.6	0.7487	mg/L	0.00133	0.7487	mg/L	0.00133	0.18%
Sr 407.771†	95967.5	0.1011	mg/L	0.00039	0.1011	mg/L	0.00039	0.39%
Ti 337.279†	4944209.8	6.994	mg/L	0.0027	6.994	mg/L	0.0027	0.04%
Tl 190.801†	2.2	-0.1619	mg/L	0.00130	-0.1619	mg/L	0.00130	0.80%
V 292.402†	41025.7	0.2009	mg/L	0.00303	0.2009	mg/L	0.00303	1.51%
Zn 213.857†	85752.3	0.9189	mg/L	0.01165	0.9189	mg/L	0.01165	1.27%

Sequence No.: 137

Sample ID: 1210137-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 121

Date Collected: 10/7/2012 1:22:57 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210137-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
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1	B 249.677†	16.6	9.5	0.0079 mg/L	0.0079 mg/L	01:24:40
1	Fe 234.349†	315886.1	259870.6	222.7 mg/L	222.7 mg/L	01:24:38
1	K 766.490†	27873.1	22761.2	12.44 mg/L	12.44 mg/L	01:24:40
1	Li 670.784†	6512.4	5532.9	0.1715 mg/L	0.1715 mg/L	01:24:40
1	Na 589.592†	57679.2	47299.4	7.838 mg/L	7.838 mg/L	01:24:38
1	Sr 407.771†	369846.7	304124.8	0.3195 mg/L	0.3195 mg/L	01:24:38
1	Y 371.029	3010994.8	3010994.8	1.22 mg/L		01:24:54
1	Ag 328.068†	-334.4	-1659.3	0.0016 mg/L	0.0016 mg/L	01:24:56
1	Al 237.313†	1014947.2	835077.6	107.8 mg/L	107.8 mg/L	01:24:54
1	As 188.979†	50.8	38.8	0.1431 mg/L	0.1431 mg/L	01:25:07
1	B 182.528†	19.2	13.2	0.0310 mg/L	0.0310 mg/L	01:25:07
1	Ba 233.527†	42385.4	34922.9	0.4812 mg/L	0.4812 mg/L	01:24:56
1	Be 313.107†	13666.2	11758.4	0.0069 mg/L	0.0069 mg/L	01:24:56
1	Ca 315.887†	9688622.0	7970228.8	75.07 mg/L	75.07 mg/L	01:24:51
1	Cd 228.802†	167.7	75.1	0.0024 mg/L	0.0024 mg/L	01:25:07
1	Co 228.616†	5428.1	4530.3	0.1003 mg/L	0.1003 mg/L	01:25:07
1	Cr 267.716†	20917.0	16799.1	0.1818 mg/L	0.1818 mg/L	01:24:56
1	Cu 324.752†	76533.7	61727.5	0.3486 mg/L	0.3486 mg/L	01:24:56
1	Fe 238.204†	24312426.0	20000550.1	169.0 mg/L	169.0 mg/L	01:24:51
1	Mg 279.077†	678003.9	557627.5	49.16 mg/L	49.16 mg/L	01:24:54
1	Mn 257.610†	2989011.5	2457753.1	4.343 mg/L	4.343 mg/L	01:24:54
1	Mo 202.031†	384.0	288.8	-0.0544 mg/L	-0.0544 mg/L	01:25:07
1	Ni 231.604†	6567.9	5421.9	0.1884 mg/L	0.1884 mg/L	01:25:07
1	P 214.914†	14426.0	11524.9	7.403 mg/L	7.403 mg/L	01:25:07
1	Pb 220.353†	5805.8	4718.1	0.3725 mg/L	0.3725 mg/L	01:25:07
1	Sb 206.836†	83.6	32.0	-0.0728 mg/L	-0.0728 mg/L	01:25:07
1	Se 196.026†	-70.8	-58.3	0.0368 mg/L	0.0368 mg/L	01:25:07
1	Sn 189.927†	-252.2	-210.4	0.6009 mg/L	0.6009 mg/L	01:25:07
1	Ti 337.279†	4711012.3	3875990.8	5.483 mg/L	5.483 mg/L	01:24:54
1	Tl 190.801†	18.3	13.0	-0.1305 mg/L	-0.1305 mg/L	01:25:07
1	V 292.402†	64047.6	53372.1	0.2868 mg/L	0.2868 mg/L	01:24:56
1	Zn 213.857†	91260.5	74274.6	0.7958 mg/L	0.7958 mg/L	01:24:56
2	B 249.677†	18.4	11.0	0.0087 mg/L	0.0087 mg/L	01:24:44
2	Fe 234.349†	308722.5	253269.8	217.1 mg/L	217.1 mg/L	01:24:42
2	K 766.490†	28157.6	22930.7	12.53 mg/L	12.53 mg/L	01:24:44
2	Li 670.784†	6443.4	5461.3	0.1693 mg/L	0.1693 mg/L	01:24:44
2	Na 589.592†	56748.4	46403.6	7.692 mg/L	7.692 mg/L	01:24:42
2	Sr 407.771†	362575.6	297312.1	0.3123 mg/L	0.3123 mg/L	01:24:42
2	Y 371.029	3019407.8	3019407.8	1.22 mg/L		01:25:14
2	Ag 328.068†	-388.5	-1702.9	0.0008 mg/L	0.0008 mg/L	01:25:17
2	Al 237.313†	1018813.6	835923.0	107.9 mg/L	107.9 mg/L	01:25:14
2	As 188.979†	42.0	31.4	0.1315 mg/L	0.1315 mg/L	01:25:27
2	B 182.528†	17.6	11.8	0.0284 mg/L	0.0284 mg/L	01:25:27
2	Ba 233.527†	42607.4	35007.9	0.4824 mg/L	0.4824 mg/L	01:25:17
2	Be 313.107†	13780.1	11820.5	0.0069 mg/L	0.0069 mg/L	01:25:17
2	Ca 315.887†	9696636.5	7954595.6	74.92 mg/L	74.92 mg/L	01:25:11
2	Cd 228.802†	167.3	74.4	0.0024 mg/L	0.0024 mg/L	01:25:27
2	Co 228.616†	5472.6	4554.3	0.1009 mg/L	0.1009 mg/L	01:25:27
2	Cr 267.716†	21025.1	16839.8	0.1823 mg/L	0.1823 mg/L	01:25:17
2	Cu 324.752†	76789.2	61761.7	0.3488 mg/L	0.3488 mg/L	01:25:17
2	Fe 238.204†	24298097.9	19933067.7	168.5 mg/L	168.5 mg/L	01:25:11
2	Mg 279.077†	680397.7	558037.2	49.19 mg/L	49.19 mg/L	01:25:14
2	Mn 257.610†	2999974.7	2459895.5	4.346 mg/L	4.346 mg/L	01:25:14
2	Mo 202.031†	404.2	304.5	-0.0518 mg/L	-0.0518 mg/L	01:25:27
2	Ni 231.604†	6587.0	5422.5	0.1884 mg/L	0.1884 mg/L	01:25:27
2	P 214.914†	14439.0	11502.5	7.376 mg/L	7.376 mg/L	01:25:27
2	Pb 220.353†	5810.1	4708.3	0.3716 mg/L	0.3716 mg/L	01:25:27
2	Sb 206.836†	100.4	45.6	-0.0588 mg/L	-0.0588 mg/L	01:25:27
2	Se 196.026†	-72.1	-59.2	0.0336 mg/L	0.0336 mg/L	01:25:27
2	Sn 189.927†	-287.7	-238.9	0.5779 mg/L	0.5779 mg/L	01:25:27
2	Ti 337.279†	4727713.8	3878893.6	5.487 mg/L	5.487 mg/L	01:25:14
2	Tl 190.801†	11.5	7.4	-0.1313 mg/L	-0.1313 mg/L	01:25:27
2	V 292.402†	64282.1	53417.7	0.2881 mg/L	0.2881 mg/L	01:25:17
2	Zn 213.857†	91638.1	74375.2	0.7969 mg/L	0.7969 mg/L	01:25:17

Mean Data: 1210137-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3015201.3	1.22 mg/L	0.002			0.20%
Ag 328.068†	-1681.1	0.0012 mg/L	0.00057	0.0012 mg/L	0.00057	48.86%
Al 237.313†	835500.3	107.9 mg/L	0.08	107.9 mg/L	0.08	0.07%
As 188.979†	35.1	0.1373 mg/L	0.00819	0.1373 mg/L	0.00819	5.96%

B 182.528†	12.5	0.0297 mg/L	0.00190	0.0297 mg/L	0.00190	6.39%
B 249.677†	10.2	0.0083 mg/L	0.00060	0.0083 mg/L	0.00060	7.25%
Ba 233.527†	34965.4	0.4818 mg/L	0.00083	0.4818 mg/L	0.00083	0.17%
Be 313.107†	11789.4	0.0069 mg/L	0.00003	0.0069 mg/L	0.00003	0.38%
Ca 315.887†	7962412.2	74.99 mg/L	0.104	74.99 mg/L	0.104	0.14%
Cd 228.802†	74.7	0.0024 mg/L	0.00001	0.0024 mg/L	0.00001	0.45%
Co 228.616†	4542.3	0.1006 mg/L	0.00042	0.1006 mg/L	0.00042	0.42%
Cr 267.716†	16819.4	0.1820 mg/L	0.00032	0.1820 mg/L	0.00032	0.17%
Cu 324.752†	61744.6	0.3487 mg/L	0.00014	0.3487 mg/L	0.00014	0.04%
Fe 234.349†	256570.2	219.9 mg/L	4.00	219.9 mg/L	4.00	1.82%
Fe 238.204†	19966808.9	168.7 mg/L	0.40	168.7 mg/L	0.40	0.24%
K 766.490†	22845.9	12.49 mg/L	0.064	12.49 mg/L	0.064	0.52%
Li 670.784†	5497.1	0.1704 mg/L	0.00156	0.1704 mg/L	0.00156	0.92%
Mg 279.077†	557832.4	49.18 mg/L	0.026	49.18 mg/L	0.026	0.05%
Mn 257.610†	2458824.3	4.345 mg/L	0.0027	4.345 mg/L	0.0027	0.06%
Mo 202.031†	296.6	-0.0531 mg/L	0.00184	-0.0531 mg/L	0.00184	3.46%
Na 589.592†	46851.5	7.765 mg/L	0.1036	7.765 mg/L	0.1036	1.33%
Ni 231.604†	5422.2	0.1884 mg/L	0.00002	0.1884 mg/L	0.00002	0.01%
P 214.914†	11513.7	7.390 mg/L	0.0188	7.390 mg/L	0.0188	0.26%
Pb 220.353†	4713.2	0.3720 mg/L	0.00062	0.3720 mg/L	0.00062	0.17%
Sb 206.836†	38.8	-0.0658 mg/L	0.00990	-0.0658 mg/L	0.00990	15.04%
Se 196.026†	-58.8	0.0352 mg/L	0.00232	0.0352 mg/L	0.00232	6.59%
Sn 189.927†	-224.6	0.5894 mg/L	0.01625	0.5894 mg/L	0.01625	2.76%
Sr 407.771†	300718.5	0.3159 mg/L	0.00505	0.3159 mg/L	0.00505	1.60%
Ti 337.279†	3877442.2	5.485 mg/L	0.0029	5.485 mg/L	0.0029	0.05%
Tl 190.801†	10.2	-0.1309 mg/L	0.00050	-0.1309 mg/L	0.00050	0.38%
V 292.402†	53394.9	0.2875 mg/L	0.00096	0.2875 mg/L	0.00096	0.33%
Zn 213.857†	74324.9	0.7963 mg/L	0.00076	0.7963 mg/L	0.00076	0.10%

Sequence No.: 138
Sample ID: 1210137-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 122
Date Collected: 10/7/2012 1:27:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210137-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	48.9	32.6	0.0214	mg/L	0.0214	mg/L	01:28:45
1	Fe 234.349†	369877.7	277997.1	238.2	mg/L	238.2	mg/L	01:28:43
1	K 766.490†	36563.3	27311.4	14.89	mg/L	14.89	mg/L	01:28:45
1	Li 670.784†	7867.6	6088.6	0.1887	mg/L	0.1887	mg/L	01:28:45
1	Na 589.592†	143576.2	107757.9	17.73	mg/L	17.73	mg/L	01:28:43
1	Sr 407.771†	1549132.0	1164160.1	1.222	mg/L	1.222	mg/L	01:28:43
1	Y 371.029	3295747.4	3295747.4	1.33	mg/L			01:28:59
1	Ag 328.068†	-1296.5	-2358.6	-0.0032	mg/L	-0.0032	mg/L	01:29:02
1	Al 237.313†	1075536.1	808475.1	104.4	mg/L	104.4	mg/L	01:28:59
1	As 188.979†	60.2	42.3	0.1539	mg/L	0.1539	mg/L	01:29:12
1	B 182.528†	25.8	16.8	0.0380	mg/L	0.0380	mg/L	01:29:12
1	Ba 233.527†	163962.9	123285.1	1.704	mg/L	1.704	mg/L	01:29:02
1	Be 313.107†	24986.2	19294.9	0.0114	mg/L	0.0114	mg/L	01:29:02
1	Ca 315.887†	17552675.2	13192024.9	124.3	mg/L	124.3	mg/L	01:28:56
1	Cd 228.802†	204.3	90.7	0.0029	mg/L	0.0029	mg/L	01:29:12
1	Co 228.616†	4655.4	3563.8	0.0783	mg/L	0.0783	mg/L	01:29:12
1	Cr 267.716†	15306.7	11095.8	0.1190	mg/L	0.1190	mg/L	01:29:12
1	Cu 324.752†	88622.2	65373.1	0.3682	mg/L	0.3682	mg/L	01:29:02
1	Fe 238.204†	28342969.7	21301750.8	180.0	mg/L	180.0	mg/L	01:28:56
1	Mg 279.077†	575321.3	432263.0	38.11	mg/L	38.11	mg/L	01:28:59
1	Mn 257.610†	6114395.5	4594267.2	8.120	mg/L	8.120	mg/L	01:28:59
1	Mo 202.031†	527.1	369.0	-0.0550	mg/L	-0.0550	mg/L	01:29:12
1	Ni 231.604†	5381.9	4063.7	0.1403	mg/L	0.1403	mg/L	01:29:12
1	P 214.914†	25938.6	19152.2	11.98	mg/L	11.98	mg/L	01:29:12
1	Pb 220.353†	17745.2	13278.7	1.112	mg/L	1.112	mg/L	01:29:12
1	Sb 206.836†	99.4	37.9	-0.0748	mg/L	-0.0748	mg/L	01:29:12
1	Se 196.026†	-91.4	-68.8	0.0333	mg/L	0.0333	mg/L	01:29:12
1	Sn 189.927†	-97.0	-75.8	0.6768	mg/L	0.6768	mg/L	01:29:12
1	Ti 337.279†	4034937.9	3033023.3	4.290	mg/L	4.290	mg/L	01:28:59
1	Tl 190.801†	21.0	13.8	-0.1370	mg/L	-0.1370	mg/L	01:29:12
1	V 292.402†	67954.4	51756.0	0.2744	mg/L	0.2744	mg/L	01:29:02
1	Zn 213.857†	128806.2	96006.6	1.030	mg/L	1.030	mg/L	01:29:02
2	B 249.677†	56.6	38.2	0.0247	mg/L	0.0247	mg/L	01:28:50

2	Fe 234.349†	375383.5	281131.3	240.9 mg/L	240.9 mg/L	01:28:47
2	K 766.490†	36226.0	26961.0	14.70 mg/L	14.70 mg/L	01:28:50
2	Li 670.784†	7886.5	6081.7	0.1884 mg/L	0.1884 mg/L	01:28:50
2	Na 589.592†	145352.4	108704.2	17.88 mg/L	17.88 mg/L	01:28:47
2	Sr 407.771†	1570530.6	1176043.1	1.234 mg/L	1.234 mg/L	01:28:47
2	Y 371.029	3307515.4	3307515.4	1.34 mg/L		01:29:20
2	Ag 328.068†	-1369.0	-2409.5	-0.0034 mg/L	-0.0034 mg/L	01:29:22
2	Al 237.313†	1078392.5	807738.1	104.3 mg/L	104.3 mg/L	01:29:20
2	As 188.979†	65.1	45.7	0.1594 mg/L	0.1594 mg/L	01:29:32
2	B 182.528†	24.0	15.3	0.0352 mg/L	0.0352 mg/L	01:29:32
2	Ba 233.527†	164606.7	123328.8	1.705 mg/L	1.705 mg/L	01:29:22
2	Be 313.107†	25014.2	19249.1	0.0113 mg/L	0.0113 mg/L	01:29:22
2	Ca 315.887†	17602042.9	13182059.2	124.2 mg/L	124.2 mg/L	01:29:17
2	Cd 228.802†	199.1	86.3	0.0027 mg/L	0.0027 mg/L	01:29:32
2	Co 228.616†	4673.7	3565.0	0.0784 mg/L	0.0784 mg/L	01:29:32
2	Cr 267.716†	15301.2	11050.7	0.1185 mg/L	0.1185 mg/L	01:29:32
2	Cu 324.752†	88693.6	65189.6	0.3671 mg/L	0.3671 mg/L	01:29:22
2	Fe 238.204†	28397936.3	21267124.0	179.7 mg/L	179.7 mg/L	01:29:17
2	Mg 279.077†	577826.8	432600.9	38.14 mg/L	38.14 mg/L	01:29:20
2	Mn 257.610†	6129396.3	4589151.0	8.111 mg/L	8.111 mg/L	01:29:20
2	Mo 202.031†	508.8	353.9	-0.0566 mg/L	-0.0566 mg/L	01:29:32
2	Ni 231.604†	5366.3	4037.6	0.1393 mg/L	0.1393 mg/L	01:29:32
2	P 214.914†	25936.0	19080.8	11.94 mg/L	11.94 mg/L	01:29:32
2	Pb 220.353†	17713.9	13207.8	1.106 mg/L	1.106 mg/L	01:29:32
2	Sb 206.836†	113.2	48.0	-0.0675 mg/L	-0.0675 mg/L	01:29:32
2	Se 196.026†	-83.3	-62.4	0.0406 mg/L	0.0406 mg/L	01:29:32
2	Sn 189.927†	-89.1	-69.6	0.6860 mg/L	0.6860 mg/L	01:29:32
2	Ti 337.279†	4038642.5	3025007.9	4.278 mg/L	4.278 mg/L	01:29:20
2	Tl 190.801†	30.2	20.6	-0.1338 mg/L	-0.1338 mg/L	01:29:32
2	V 292.402†	67924.4	51551.8	0.2726 mg/L	0.2726 mg/L	01:29:22
2	Zn 213.857†	129002.7	95809.3	1.028 mg/L	1.028 mg/L	01:29:22

Mean Data: 1210137-02

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3301631.4	1.33 mg/L	0.003			0.25%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 133.3%						
Ag 328.068†	-2384.1	-0.0033 mg/L	0.00016	-0.0033 mg/L	0.00016	4.85%
Al 237.313†	808106.6	104.3 mg/L	0.07	104.3 mg/L	0.07	0.06%
As 188.979†	44.0	0.1566 mg/L	0.00386	0.1566 mg/L	0.00386	2.47%
B 182.528†	16.0	0.0366 mg/L	0.00200	0.0366 mg/L	0.00200	5.46%
B 249.677†	35.4	0.0230 mg/L	0.00231	0.0230 mg/L	0.00231	10.01%
Ba 233.527†	123306.9	1.704 mg/L	0.0004	1.704 mg/L	0.0004	0.03%
Be 313.107†	19272.0	0.0114 mg/L	0.00002	0.0114 mg/L	0.00002	0.17%
Ca 315.887†	13187042.1	124.2 mg/L	0.07	124.2 mg/L	0.07	0.05%
Cd 228.802†	88.5	0.0028 mg/L	0.00013	0.0028 mg/L	0.00013	4.42%
Co 228.616†	3564.4	0.0784 mg/L	0.00004	0.0784 mg/L	0.00004	0.05%
Cr 267.716†	11073.3	0.1188 mg/L	0.00035	0.1188 mg/L	0.00035	0.30%
Cu 324.752†	65281.3	0.3676 mg/L	0.00074	0.3676 mg/L	0.00074	0.20%
Fe 234.349†	279564.2	239.5 mg/L	1.90	239.5 mg/L	1.90	0.79%
Fe 238.204†	21284437.4	179.9 mg/L	0.21	179.9 mg/L	0.21	0.12%
K 766.490†	27136.2	14.79 mg/L	0.133	14.79 mg/L	0.133	0.90%
Li 670.784†	6085.1	0.1885 mg/L	0.00015	0.1885 mg/L	0.00015	0.08%
Mg 279.077†	432432.0	38.13 mg/L	0.021	38.13 mg/L	0.021	0.06%
Mn 257.610†	4591709.1	8.116 mg/L	0.0064	8.116 mg/L	0.0064	0.08%
Mo 202.031†	361.5	-0.0558 mg/L	0.00116	-0.0558 mg/L	0.00116	2.08%
Na 589.592†	108231.0	17.81 mg/L	0.109	17.81 mg/L	0.109	0.61%
Ni 231.604†	4050.6	0.1398 mg/L	0.00065	0.1398 mg/L	0.00065	0.47%
P 214.914†	19116.5	11.96 mg/L	0.026	11.96 mg/L	0.026	0.21%
Pb 220.353†	13243.3	1.109 mg/L	0.0043	1.109 mg/L	0.0043	0.39%
Sb 206.836†	42.9	-0.0711 mg/L	0.00515	-0.0711 mg/L	0.00515	7.24%
Se 196.026†	-65.6	0.0370 mg/L	0.00518	0.0370 mg/L	0.00518	14.02%
Sn 189.927†	-72.7	0.6814 mg/L	0.00654	0.6814 mg/L	0.00654	0.96%
Sr 407.771†	1170101.6	1.228 mg/L	0.0088	1.228 mg/L	0.0088	0.72%
Ti 337.279†	3029015.6	4.284 mg/L	0.0080	4.284 mg/L	0.0080	0.19%
Tl 190.801†	17.2	-0.1354 mg/L	0.00232	-0.1354 mg/L	0.00232	1.71%
V 292.402†	51653.9	0.2735 mg/L	0.00126	0.2735 mg/L	0.00126	0.46%
Zn 213.857†	95907.9	1.029 mg/L	0.0015	1.029 mg/L	0.0015	0.15%
Internal Standard Check failed. Continue with analysis.						

Sample ID: CJ20518-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/7/2012 1:31:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	28.4	17.2	0.0124	mg/L	0.0124	mg/L	01:32:54
1	Fe 234.349†	313966.5	235455.8	201.8	mg/L	201.8	mg/L	01:32:52
1	K 766.490†	27651.3	20567.6	11.26	mg/L	11.26	mg/L	01:32:54
1	Li 670.784†	6860.0	5319.9	0.1649	mg/L	0.1649	mg/L	01:32:54
1	Na 589.592†	114774.3	85921.1	14.16	mg/L	14.16	mg/L	01:32:52
1	Sr 407.771†	758935.6	569010.6	0.5974	mg/L	0.5974	mg/L	01:32:52
1	Y 371.029	3303023.8	3303023.8	1.33	mg/L			01:33:08
1	Ag 328.068†	4696.0	2137.4	0.0323	mg/L	0.0323	mg/L	01:33:11
1	Al 237.313†	1002128.4	751644.4	97.03	mg/L	97.03	mg/L	01:33:08
1	As 188.979†	69.6	49.2	0.1473	mg/L	0.1473	mg/L	01:33:21
1	B 182.528†	19.2	11.7	0.0283	mg/L	0.0283	mg/L	01:33:21
1	Ba 233.527†	103323.2	77538.6	1.071	mg/L	1.071	mg/L	01:33:11
1	Be 313.107†	19637.4	15242.4	0.0090	mg/L	0.0090	mg/L	01:33:11
1	Ca 315.887†	8952429.5	6713460.7	63.23	mg/L	63.23	mg/L	01:33:05
1	Cd 228.802†	200.6	87.6	0.0028	mg/L	0.0028	mg/L	01:33:21
1	Co 228.616†	4294.3	3285.3	0.0721	mg/L	0.0721	mg/L	01:33:21
1	Cr 267.716†	15868.0	11491.4	0.1234	mg/L	0.1234	mg/L	01:33:21
1	Cu 324.752†	77748.8	57072.2	0.3211	mg/L	0.3211	mg/L	01:33:11
1	Fe 238.204†	25751343.6	19311309.7	163.2	mg/L	163.2	mg/L	01:33:05
1	Mg 279.077†	513141.4	384680.5	33.91	mg/L	33.91	mg/L	01:33:08
1	Mn 257.610†	4928434.3	3694766.8	6.530	mg/L	6.530	mg/L	01:33:08
1	Mo 202.031†	501.9	349.3	-0.0446	mg/L	-0.0446	mg/L	01:33:21
1	Ni 231.604†	4921.6	3709.6	0.1277	mg/L	0.1277	mg/L	01:33:21
1	P 214.914†	14310.7	10389.2	6.679	mg/L	6.679	mg/L	01:33:21
1	Pb 220.353†	15624.9	11659.3	0.9743	mg/L	0.9743	mg/L	01:33:21
1	Sb 206.836†	98.3	36.9	-0.0594	mg/L	-0.0594	mg/L	01:33:21
1	Se 196.026†	-86.9	-65.2	0.0212	mg/L	0.0212	mg/L	01:33:21
1	Sn 189.927†	1.5	-1.7	0.5869	mg/L	0.5869	mg/L	01:33:21
1	Ti 337.279†	3670986.8	2753408.3	3.894	mg/L	3.894	mg/L	01:33:08
1	Tl 190.801†	14.0	8.5	-0.1194	mg/L	-0.1194	mg/L	01:33:21
1	V 292.402†	61666.0	46927.7	0.2513	mg/L	0.2513	mg/L	01:33:11
1	Zn 213.857†	114740.3	85244.9	0.9141	mg/L	0.9141	mg/L	01:33:11
2	B 249.677†	38.1	24.6	0.0167	mg/L	0.0167	mg/L	01:32:59
2	Fe 234.349†	317257.2	239242.8	205.0	mg/L	205.0	mg/L	01:32:56
2	K 766.490†	27082.9	20253.9	11.09	mg/L	11.09	mg/L	01:32:59
2	Li 670.784†	6665.3	5201.7	0.1613	mg/L	0.1613	mg/L	01:32:59
2	Na 589.592†	115748.6	87133.0	14.35	mg/L	14.35	mg/L	01:32:56
2	Sr 407.771†	767232.1	578422.7	0.6072	mg/L	0.6072	mg/L	01:32:56
2	Y 371.029	3284809.3	3284809.3	1.33	mg/L			01:33:29
2	Ag 328.068†	4735.8	2186.9	0.0329	mg/L	0.0329	mg/L	01:33:31
2	Al 237.313†	998128.0	752794.9	97.18	mg/L	97.18	mg/L	01:33:29
2	As 188.979†	58.5	41.1	0.1386	mg/L	0.1386	mg/L	01:33:41
2	B 182.528†	17.4	10.5	0.0258	mg/L	0.0258	mg/L	01:33:41
2	Ba 233.527†	102612.7	77432.5	1.069	mg/L	1.069	mg/L	01:33:31
2	Be 313.107†	19372.7	15124.4	0.0089	mg/L	0.0089	mg/L	01:33:31
2	Ca 315.887†	9017867.2	6800033.2	64.04	mg/L	64.04	mg/L	01:33:26
2	Cd 228.802†	198.9	87.2	0.0028	mg/L	0.0028	mg/L	01:33:41
2	Co 228.616†	4326.7	3327.5	0.0732	mg/L	0.0732	mg/L	01:33:41
2	Cr 267.716†	15913.4	11591.6	0.1245	mg/L	0.1245	mg/L	01:33:41
2	Cu 324.752†	77578.5	57267.1	0.3222	mg/L	0.3222	mg/L	01:33:31
2	Fe 238.204†	25891604.2	19524160.3	165.0	mg/L	165.0	mg/L	01:33:26
2	Mg 279.077†	510668.7	384949.7	33.93	mg/L	33.93	mg/L	01:33:29
2	Mn 257.610†	4905642.7	3698074.3	6.536	mg/L	6.536	mg/L	01:33:29
2	Mo 202.031†	491.6	343.6	-0.0459	mg/L	-0.0459	mg/L	01:33:41
2	Ni 231.604†	4893.8	3709.1	0.1277	mg/L	0.1277	mg/L	01:33:41
2	P 214.914†	14360.7	10486.4	6.744	mg/L	6.744	mg/L	01:33:41
2	Pb 220.353†	15653.4	11745.8	0.9817	mg/L	0.9817	mg/L	01:33:41
2	Sb 206.836†	93.8	33.9	-0.0634	mg/L	-0.0634	mg/L	01:33:41
2	Se 196.026†	-76.1	-57.5	0.0301	mg/L	0.0301	mg/L	01:33:41
2	Sn 189.927†	23.0	14.5	0.6001	mg/L	0.6001	mg/L	01:33:41
2	Ti 337.279†	3654146.7	2755974.7	3.898	mg/L	3.898	mg/L	01:33:29
2	Tl 190.801†	7.1	3.3	-0.1249	mg/L	-0.1249	mg/L	01:33:41
2	V 292.402†	61416.2	46995.7	0.2512	mg/L	0.2512	mg/L	01:33:31
2	Zn 213.857†	114571.7	85594.9	0.9179	mg/L	0.9179	mg/L	01:33:31

Mean Data: CJ20518-DUP2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3293916.5	1.33 mg/L	0.005			0.39%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 133.0%						
Ag 328.068†	2162.2	0.0326 mg/L	0.00047	0.0326 mg/L	0.00047	1.46%
Al 237.313†	752219.6	97.11 mg/L	0.105	97.11 mg/L	0.105	0.11%
As 188.979†	45.1	0.1429 mg/L	0.00614	0.1429 mg/L	0.00614	4.30%
B 182.528†	11.1	0.0270 mg/L	0.00176	0.0270 mg/L	0.00176	6.50%
B 249.677†	20.9	0.0146 mg/L	0.00304	0.0146 mg/L	0.00304	20.86%
Ba 233.527†	77485.5	1.070 mg/L	0.0010	1.070 mg/L	0.0010	0.10%
Be 313.107†	15183.4	0.0089 mg/L	0.00005	0.0089 mg/L	0.00005	0.56%
Ca 315.887†	6756747.0	63.64 mg/L	0.577	63.64 mg/L	0.577	0.91%
Cd 228.802†	87.4	0.0028 mg/L	0.00002	0.0028 mg/L	0.00002	0.72%
Co 228.616†	3306.4	0.0726 mg/L	0.00075	0.0726 mg/L	0.00075	1.03%
Cr 267.716†	11541.5	0.1239 mg/L	0.00078	0.1239 mg/L	0.00078	0.63%
Cu 324.752†	57169.6	0.3217 mg/L	0.00078	0.3217 mg/L	0.00078	0.24%
Fe 234.349†	237349.3	203.4 mg/L	2.29	203.4 mg/L	2.29	1.13%
Fe 238.204†	19417735.0	164.1 mg/L	1.27	164.1 mg/L	1.27	0.78%
K 766.490†	20410.8	11.18 mg/L	0.119	11.18 mg/L	0.119	1.07%
Li 670.784†	5260.8	0.1631 mg/L	0.00258	0.1631 mg/L	0.00258	1.58%
Mg 279.077†	384815.1	33.92 mg/L	0.017	33.92 mg/L	0.017	0.05%
Mn 257.610†	3696420.6	6.533 mg/L	0.0041	6.533 mg/L	0.0041	0.06%
Mo 202.031†	346.4	-0.0453 mg/L	0.00093	-0.0453 mg/L	0.00093	2.05%
Na 589.592†	86527.0	14.25 mg/L	0.140	14.25 mg/L	0.140	0.98%
Ni 231.604†	3709.4	0.1277 mg/L	0.00001	0.1277 mg/L	0.00001	0.01%
P 214.914†	10437.8	6.711 mg/L	0.0463	6.711 mg/L	0.0463	0.69%
Pb 220.353†	11702.5	0.9780 mg/L	0.00525	0.9780 mg/L	0.00525	0.54%
Sb 206.836†	35.4	-0.0614 mg/L	0.00281	-0.0614 mg/L	0.00281	4.57%
Se 196.026†	-61.3	0.0257 mg/L	0.00629	0.0257 mg/L	0.00629	24.51%
Sn 189.927†	6.4	0.5935 mg/L	0.00929	0.5935 mg/L	0.00929	1.57%
Sr 407.771†	573716.6	0.6023 mg/L	0.00698	0.6023 mg/L	0.00698	1.16%
Ti 337.279†	2754691.5	3.896 mg/L	0.0026	3.896 mg/L	0.0026	0.07%
Tl 190.801†	5.9	-0.1221 mg/L	0.00387	-0.1221 mg/L	0.00387	3.17%
V 292.402†	46961.7	0.2513 mg/L	0.00013	0.2513 mg/L	0.00013	0.05%
Zn 213.857†	85419.9	0.9160 mg/L	0.00266	0.9160 mg/L	0.00266	0.29%
Internal Standard Check failed. Continue with analysis.						

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Sequence No.: 140

Sample ID: CJ20518-MS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 124

Date Collected: 10/7/2012 1:35:24 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	803.9	596.7	0.3490 mg/L	0.3490 mg/L	01:37:08
1	Fe 234.349†	400183.6	299118.0	256.3 mg/L	256.3 mg/L	01:37:06
1	K 766.490†	98602.5	73530.5	39.75 mg/L	39.75 mg/L	01:37:06
1	Li 670.784†	25650.7	19347.8	0.5982 mg/L	0.5982 mg/L	01:37:08
1	Na 589.592†	255455.4	190786.4	31.31 mg/L	31.31 mg/L	01:37:06
1	Sr 407.771†	797901.3	596250.5	0.6259 mg/L	0.6259 mg/L	01:37:06
1	Y 371.029	3313996.6	3313996.6	1.34 mg/L		01:37:23
1	Ag 328.068†	28911.8	20225.5	0.1904 mg/L	0.1904 mg/L	01:37:25
1	Al 237.313†	1394114.8	1042141.5	134.5 mg/L	134.5 mg/L	01:37:23
1	As 188.979†	473.1	350.6	0.5455 mg/L	0.5455 mg/L	01:37:35
1	B 182.528†	288.5	213.0	0.4210 mg/L	0.4210 mg/L	01:37:35
1	Ba 233.527†	135273.6	101163.0	1.398 mg/L	1.398 mg/L	01:37:25
1	Be 313.107†	99874.1	75165.5	0.0448 mg/L	0.0448 mg/L	01:37:25
1	Ca 315.887†	11051990.7	8260522.6	77.80 mg/L	77.80 mg/L	01:37:20
1	Cd 228.802†	6755.0	4986.1	0.1746 mg/L	0.1746 mg/L	01:37:35
1	Co 228.616†	25281.8	18961.4	0.4590 mg/L	0.4590 mg/L	01:37:35
1	Cr 267.716†	66136.6	49024.6	0.5371 mg/L	0.5371 mg/L	01:37:25
1	Cu 324.752†	177510.2	131444.6	0.7427 mg/L	0.7427 mg/L	01:37:25
1	Fe 238.204†	30772681.1	23000505.0	194.4 mg/L	194.4 mg/L	01:37:20
1	Mg 279.077†	842241.3	629388.0	55.49 mg/L	55.49 mg/L	01:37:23
1	Mn 257.610†	5195701.2	3882294.7	6.862 mg/L	6.862 mg/L	01:37:23
1	Mo 202.031†	8946.9	6660.2	0.2746 mg/L	0.2746 mg/L	01:37:35

1	Ni 231.604†	21013.5	15725.1	0.5540 mg/L	0.5540 mg/L	01:37:25
1	P 214.914†	26697.5	19612.0	12.28 mg/L	12.28 mg/L	01:37:35
1	Pb 220.353†	18229.9	13567.6	1.128 mg/L	1.128 mg/L	01:37:35
1	Sb 206.836†	453.3	302.0	0.1401 mg/L	0.1401 mg/L	01:37:35
1	Se 196.026†	909.4	679.7	0.7668 mg/L	0.7668 mg/L	01:37:35
1	Sn 189.927†	2483.7	1853.5	1.166 mg/L	1.166 mg/L	01:37:35
1	Ti 337.279†	7014325.0	5243230.0	7.417 mg/L	7.417 mg/L	01:37:23
1	Tl 190.801†	645.3	480.3	0.1718 mg/L	0.1718 mg/L	01:37:35
1	V 292.402†	155305.3	116764.1	0.6805 mg/L	0.6805 mg/L	01:37:25
1	Zn 213.857†	152141.5	112915.1	1.209 mg/L	1.209 mg/L	01:37:25
2	B 249.677†	814.2	604.0	0.3533 mg/L	0.3533 mg/L	01:37:13
2	Fe 234.349†	410675.8	306777.7	262.9 mg/L	262.9 mg/L	01:37:11
2	K 766.490†	100809.0	75134.9	40.61 mg/L	40.61 mg/L	01:37:11
2	Li 670.784†	25920.3	19537.8	0.6041 mg/L	0.6041 mg/L	01:37:13
2	Na 589.592†	260650.7	194553.7	31.93 mg/L	31.93 mg/L	01:37:11
2	Sr 407.771†	817880.7	610820.3	0.6412 mg/L	0.6412 mg/L	01:37:11
2	Y 371.029	3315969.1	3315969.1	1.34 mg/L	1.34 mg/L	01:37:43
2	Ag 328.068†	28899.5	20203.5	0.1907 mg/L	0.1907 mg/L	01:37:46
2	Al 237.313†	1405348.4	1049913.0	135.5 mg/L	135.5 mg/L	01:37:43
2	As 188.979†	480.6	356.0	0.5551 mg/L	0.5551 mg/L	01:37:56
2	B 182.528†	273.2	201.5	0.3985 mg/L	0.3985 mg/L	01:37:56
2	Ba 233.527†	135231.5	101071.4	1.396 mg/L	1.396 mg/L	01:37:46
2	Be 313.107†	99561.8	74887.9	0.0446 mg/L	0.0446 mg/L	01:37:46
2	Ca 315.887†	11028881.7	8238346.7	77.59 mg/L	77.59 mg/L	01:37:40
2	Cd 228.802†	6707.1	4947.3	0.1732 mg/L	0.1732 mg/L	01:37:56
2	Co 228.616†	25200.2	18889.3	0.4571 mg/L	0.4571 mg/L	01:37:56
2	Cr 267.716†	66152.6	49007.2	0.5369 mg/L	0.5369 mg/L	01:37:46
2	Cu 324.752†	176705.5	130764.5	0.7389 mg/L	0.7389 mg/L	01:37:46
2	Fe 238.204†	30716547.2	22944891.9	193.9 mg/L	193.9 mg/L	01:37:40
2	Mg 279.077†	847346.1	632826.7	55.80 mg/L	55.80 mg/L	01:37:43
2	Mn 257.610†	5231817.8	3906963.5	6.905 mg/L	6.905 mg/L	01:37:43
2	Mo 202.031†	8892.4	6615.4	0.2701 mg/L	0.2701 mg/L	01:37:56
2	Ni 231.604†	20998.0	15704.2	0.5533 mg/L	0.5533 mg/L	01:37:46
2	P 214.914†	26562.9	19499.6	12.23 mg/L	12.23 mg/L	01:37:56
2	Pb 220.353†	18137.7	13490.6	1.121 mg/L	1.121 mg/L	01:37:56
2	Sb 206.836†	454.2	302.5	0.1375 mg/L	0.1375 mg/L	01:37:56
2	Se 196.026†	893.3	667.2	0.7576 mg/L	0.7576 mg/L	01:37:56
2	Sn 189.927†	2510.7	1872.6	1.189 mg/L	1.189 mg/L	01:37:56
2	Ti 337.279†	7066162.4	5278833.7	7.468 mg/L	7.468 mg/L	01:37:43
2	Tl 190.801†	650.4	483.8	0.1705 mg/L	0.1705 mg/L	01:37:56
2	V 292.402†	154864.1	116365.5	0.6767 mg/L	0.6767 mg/L	01:37:46
2	Zn 213.857†	151951.6	112705.6	1.206 mg/L	1.206 mg/L	01:37:46

Mean Data: CJ20518-MS2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3314982.8	1.34 mg/L	0.001			0.04%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 133.8%						
Ag 328.068†	20214.5	0.1906 mg/L	0.00022	0.1906 mg/L	0.00022	0.12%
Al 237.313†	1046027.2	135.0 mg/L	0.71	135.0 mg/L	0.71	0.53%
As 188.979†	353.3	0.5503 mg/L	0.00675	0.5503 mg/L	0.00675	1.23%
B 182.528†	207.2	0.4097 mg/L	0.01589	0.4097 mg/L	0.01589	3.88%
B 249.677†	600.4	0.3511 mg/L	0.00301	0.3511 mg/L	0.00301	0.86%
Ba 233.527†	101117.2	1.397 mg/L	0.0009	1.397 mg/L	0.0009	0.06%
Be 313.107†	75026.7	0.0447 mg/L	0.00012	0.0447 mg/L	0.00012	0.26%
Ca 315.887†	8249434.7	77.70 mg/L	0.148	77.70 mg/L	0.148	0.19%
Cd 228.802†	4966.7	0.1739 mg/L	0.00099	0.1739 mg/L	0.00099	0.57%
Co 228.616†	18925.3	0.4580 mg/L	0.00135	0.4580 mg/L	0.00135	0.30%
Cr 267.716†	49015.9	0.5370 mg/L	0.00014	0.5370 mg/L	0.00014	0.03%
Cu 324.752†	131104.5	0.7408 mg/L	0.00268	0.7408 mg/L	0.00268	0.36%
Fe 234.349†	302947.9	259.6 mg/L	4.64	259.6 mg/L	4.64	1.79%
Fe 238.204†	22972698.5	194.2 mg/L	0.33	194.2 mg/L	0.33	0.17%
K 766.490†	74332.7	40.18 mg/L	0.610	40.18 mg/L	0.610	1.52%
Li 670.784†	19442.8	0.6012 mg/L	0.00415	0.6012 mg/L	0.00415	0.69%
Mg 279.077†	631107.3	55.65 mg/L	0.215	55.65 mg/L	0.215	0.39%
Mn 257.610†	3894629.1	6.883 mg/L	0.0308	6.883 mg/L	0.0308	0.45%
Mo 202.031†	6637.8	0.2723 mg/L	0.00313	0.2723 mg/L	0.00313	1.15%
Na 589.592†	192670.1	31.62 mg/L	0.436	31.62 mg/L	0.436	1.38%
Ni 231.604†	15714.6	0.5537 mg/L	0.00053	0.5537 mg/L	0.00053	0.09%
P 214.914†	19555.8	12.26 mg/L	0.036	12.26 mg/L	0.036	0.30%
Pb 220.353†	13529.1	1.125 mg/L	0.0049	1.125 mg/L	0.0049	0.43%
Sb 206.836†	302.3	0.1388 mg/L	0.00178	0.1388 mg/L	0.00178	1.28%

Se 196.026†	673.5	0.7622 mg/L	0.00656	0.7622 mg/L	0.00656	0.86%
Sn 189.927†	1863.1	1.178 mg/L	0.0166	1.178 mg/L	0.0166	1.41%
Sr 407.771†	603535.4	0.6336 mg/L	0.01081	0.6336 mg/L	0.01081	1.71%
Ti 337.279†	5261031.9	7.443 mg/L	0.0356	7.443 mg/L	0.0356	0.48%
Tl 190.801†	482.1	0.1712 mg/L	0.00095	0.1712 mg/L	0.00095	0.56%
V 292.402†	116564.8	0.6786 mg/L	0.00269	0.6786 mg/L	0.00269	0.40%
Zn 213.857†	112810.4	1.207 mg/L	0.0016	1.207 mg/L	0.0016	0.13%

Internal Standard Check failed. Continue with analysis.

Sequence No.: 141
Sample ID: CJ20518-SD2 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 125
Date Collected: 10/7/2012 1:39:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	7.9	2.3	0.0039 mg/L	0.0039 mg/L	01:41:22
1	Fe 234.349†	95353.5	77208.1	66.17 mg/L	66.17 mg/L	01:41:12
1	K 766.490†	8763.6	6926.7	3.923 mg/L	3.923 mg/L	01:41:22
1	Li 670.784†	1752.2	1594.1	0.0498 mg/L	0.0498 mg/L	01:41:22
1	Na 589.592†	34968.1	28161.2	4.708 mg/L	4.708 mg/L	01:41:12
1	Sr 407.771†	387045.8	313238.4	0.3291 mg/L	0.3291 mg/L	01:41:12
1	Y 371.029	3059375.7	3059375.7	1.24 mg/L		01:41:42
1	Ag 328.068†	695.4	-821.2	-0.0034 mg/L	-0.0034 mg/L	01:41:44
1	Al 237.313†	259458.2	210196.3	27.13 mg/L	27.13 mg/L	01:41:44
1	As 188.979†	12.0	6.8	0.0377 mg/L	0.0377 mg/L	01:41:54
1	B 182.528†	0.4	-2.3	0.0008 mg/L	0.0008 mg/L	01:41:54
1	Ba 233.527†	40443.7	32799.4	0.4519 mg/L	0.4519 mg/L	01:41:44
1	Be 313.107†	5767.4	5185.4	0.0029 mg/L	0.0029 mg/L	01:41:44
1	Ca 315.887†	4372493.9	3540012.9	33.33 mg/L	33.33 mg/L	01:41:39
1	Cd 228.802†	108.4	24.9	0.0008 mg/L	0.0008 mg/L	01:41:54
1	Co 228.616†	1134.8	983.6	0.0198 mg/L	0.0198 mg/L	01:41:54
1	Cr 267.716†	4014.5	2842.0	0.0281 mg/L	0.0281 mg/L	01:41:44
1	Cu 324.752†	22281.6	16806.9	0.0922 mg/L	0.0922 mg/L	01:41:44
1	Fe 238.204†	8623799.2	6982052.8	59.00 mg/L	59.00 mg/L	01:41:39
1	Mg 279.077†	145585.7	117737.7	10.35 mg/L	10.35 mg/L	01:41:44
1	Mn 257.610†	1535875.6	1242344.6	2.194 mg/L	2.194 mg/L	01:41:42
1	Mo 202.031†	242.2	169.0	-0.0119 mg/L	-0.0119 mg/L	01:41:54
1	Ni 231.604†	1358.9	1119.0	0.0359 mg/L	0.0359 mg/L	01:41:54
1	P 214.914†	6553.3	4963.1	3.135 mg/L	3.135 mg/L	01:41:54
1	Pb 220.353†	4534.3	3613.1	0.3001 mg/L	0.3001 mg/L	01:41:54
1	Sb 206.836†	52.9	6.0	-0.0254 mg/L	-0.0254 mg/L	01:41:54
1	Se 196.026†	-23.7	-19.2	0.0080 mg/L	0.0080 mg/L	01:41:54
1	Sn 189.927†	-196.4	-161.9	0.1542 mg/L	0.1542 mg/L	01:41:54
1	Ti 337.279†	969646.0	785527.5	1.109 mg/L	1.109 mg/L	01:41:42
1	Tl 190.801†	17.7	12.3	-0.0352 mg/L	-0.0352 mg/L	01:41:54
1	V 292.402†	15798.3	13474.1	0.0691 mg/L	0.0691 mg/L	01:41:44
1	Zn 213.857†	34238.9	26920.2	0.2880 mg/L	0.2880 mg/L	01:41:44
2	B 249.677†	17.8	10.1	0.0085 mg/L	0.0085 mg/L	01:41:34
2	Fe 234.349†	93175.3	74803.8	64.11 mg/L	64.11 mg/L	01:41:24
2	K 766.490†	8713.9	6826.5	3.869 mg/L	3.869 mg/L	01:41:34
2	Li 670.784†	1736.6	1569.5	0.0491 mg/L	0.0491 mg/L	01:41:34
2	Na 589.592†	34388.7	27455.5	4.592 mg/L	4.592 mg/L	01:41:24
2	Sr 407.771†	378580.9	303781.3	0.3191 mg/L	0.3191 mg/L	01:41:24
2	Y 371.029	3085585.4	3085585.4	1.25 mg/L		01:42:00
2	Ag 328.068†	750.1	-782.1	-0.0032 mg/L	-0.0032 mg/L	01:42:02
2	Al 237.313†	255829.2	205498.8	26.52 mg/L	26.52 mg/L	01:42:02
2	As 188.979†	18.6	11.9	0.0433 mg/L	0.0433 mg/L	01:42:12
2	B 182.528†	3.8	0.4	0.0062 mg/L	0.0062 mg/L	01:42:12
2	Ba 233.527†	39943.6	32119.8	0.4425 mg/L	0.4425 mg/L	01:42:02
2	Be 313.107†	5731.3	5116.7	0.0029 mg/L	0.0029 mg/L	01:42:02
2	Ca 315.887†	4324727.3	3471596.4	32.69 mg/L	32.69 mg/L	01:41:57
2	Cd 228.802†	108.9	24.6	0.0008 mg/L	0.0008 mg/L	01:42:12
2	Co 228.616†	1113.7	958.9	0.0192 mg/L	0.0192 mg/L	01:42:12
2	Cr 267.716†	3902.3	2724.2	0.0268 mg/L	0.0268 mg/L	01:42:02
2	Cu 324.752†	21915.2	16359.5	0.0897 mg/L	0.0897 mg/L	01:42:02
2	Fe 238.204†	8535989.5	6852253.6	57.90 mg/L	57.90 mg/L	01:41:57
2	Mg 279.077†	143913.3	115394.0	10.15 mg/L	10.15 mg/L	01:42:02
2	Mn 257.610†	1524427.5	1222591.8	2.159 mg/L	2.159 mg/L	01:42:00

2	Mo 202.031†	219.2	148.9	-0.0123 mg/L	-0.0123 mg/L	01:42:12
2	Ni 231.604†	1322.5	1080.5	0.0345 mg/L	0.0345 mg/L	01:42:12
2	P 214.914†	6423.7	4814.1	3.041 mg/L	3.041 mg/L	01:42:12
2	Pb 220.353†	4465.6	3526.7	0.2928 mg/L	0.2928 mg/L	01:42:12
2	Sb 206.836†	54.6	7.0	-0.0236 mg/L	-0.0236 mg/L	01:42:12
2	Se 196.026†	-19.7	-15.9	0.0104 mg/L	0.0104 mg/L	01:42:12
2	Sn 189.927†	-198.8	-162.4	0.1481 mg/L	0.1481 mg/L	01:42:12
2	Ti 337.279†	957901.2	769430.6	1.087 mg/L	1.087 mg/L	01:42:00
2	Tl 190.801†	12.3	7.9	-0.0371 mg/L	-0.0371 mg/L	01:42:12
2	V 292.402†	15443.9	13080.9	0.0670 mg/L	0.0670 mg/L	01:42:02
2	Zn 213.857†	33922.0	26430.3	0.2827 mg/L	0.2827 mg/L	01:42:02

Mean Data: CJ20518-SD2 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3072480.5	1.24	mg/L	0.007			0.60%
Ag 328.068†	-801.6	-0.0033	mg/L	0.00012	-0.0033 mg/L	0.00012	3.72%
Al 237.313†	207847.5	26.83	mg/L	0.429	26.83 mg/L	0.429	1.60%
As 188.979†	9.3	0.0405	mg/L	0.00396	0.0405 mg/L	0.00396	9.76%
B 182.528†	-1.0	0.0035	mg/L	0.00378	0.0035 mg/L	0.00378	108.51%
B 249.677†	6.2	0.0062	mg/L	0.00323	0.0062 mg/L	0.00323	52.27%
Ba 233.527†	32459.6	0.4472	mg/L	0.00665	0.4472 mg/L	0.00665	1.49%
Be 313.107†	5151.1	0.0029	mg/L	0.00003	0.0029 mg/L	0.00003	1.00%
Ca 315.887†	3505804.6	33.01	mg/L	0.456	33.01 mg/L	0.456	1.38%
Cd 228.802†	24.8	0.0008	mg/L	0.00003	0.0008 mg/L	0.00003	3.49%
Co 228.616†	971.3	0.0195	mg/L	0.00041	0.0195 mg/L	0.00041	2.09%
Cr 267.716†	2783.1	0.0275	mg/L	0.00092	0.0275 mg/L	0.00092	3.34%
Cu 324.752†	16583.2	0.0909	mg/L	0.00179	0.0909 mg/L	0.00179	1.97%
Fe 234.349†	76006.0	65.14	mg/L	1.457	65.14 mg/L	1.457	2.24%
Fe 238.204†	6917153.2	58.45	mg/L	0.776	58.45 mg/L	0.776	1.33%
K 766.490†	6876.6	3.896	mg/L	0.0381	3.896 mg/L	0.0381	0.98%
Li 670.784†	1581.8	0.0494	mg/L	0.00054	0.0494 mg/L	0.00054	1.09%
Mg 279.077†	116565.8	10.25	mg/L	0.146	10.25 mg/L	0.146	1.43%
Mn 257.610†	1232468.2	2.176	mg/L	0.0247	2.176 mg/L	0.0247	1.13%
Mo 202.031†	158.9	-0.0121	mg/L	0.00030	-0.0121 mg/L	0.00030	2.52%
Na 589.592†	27808.4	4.650	mg/L	0.0816	4.650 mg/L	0.0816	1.76%
Ni 231.604†	1099.8	0.0352	mg/L	0.00097	0.0352 mg/L	0.00097	2.75%
P 214.914†	4888.6	3.088	mg/L	0.0661	3.088 mg/L	0.0661	2.14%
Pb 220.353†	3569.9	0.2964	mg/L	0.00515	0.2964 mg/L	0.00515	1.74%
Sb 206.836†	6.5	-0.0245	mg/L	0.00127	-0.0245 mg/L	0.00127	5.16%
Se 196.026†	-17.5	0.0092	mg/L	0.00168	0.0092 mg/L	0.00168	18.21%
Sn 189.927†	-162.2	0.1511	mg/L	0.00434	0.1511 mg/L	0.00434	2.87%
Sr 407.771†	308509.9	0.3241	mg/L	0.00702	0.3241 mg/L	0.00702	2.16%
Ti 337.279†	777479.0	1.098	mg/L	0.0161	1.098 mg/L	0.0161	1.47%
Tl 190.801†	10.1	-0.0361	mg/L	0.00135	-0.0361 mg/L	0.00135	3.72%
V 292.402†	13277.5	0.0680	mg/L	0.00146	0.0680 mg/L	0.00146	2.15%
Zn 213.857†	26675.3	0.2853	mg/L	0.00372	0.2853 mg/L	0.00372	1.30%

Sequence No.: 142

Sample ID: CJ20518-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 126

Date Collected: 10/7/2012 1:43:50 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	969.2	733.2	0.4284 mg/L	0.4284 mg/L	01:45:34
1	Fe 234.349†	369873.9	281419.1	241.1 mg/L	241.1 mg/L	01:45:32
1	K 766.490†	87958.3	66753.1	36.10 mg/L	36.10 mg/L	01:45:34
1	Li 670.784†	27065.5	20767.8	0.6421 mg/L	0.6421 mg/L	01:45:34
1	Na 589.592†	313166.2	238117.5	39.05 mg/L	39.05 mg/L	01:45:32
1	Sr 407.771†	1605645.1	1221501.6	1.282 mg/L	1.282 mg/L	01:45:32
1	Y 371.029	3255637.5	3255637.5	1.31 mg/L		01:45:49
1	Ag 328.068†	33504.5	24107.2	0.2223 mg/L	0.2223 mg/L	01:45:52
1	Al 237.313†	1093712.8	832263.5	107.4 mg/L	107.4 mg/L	01:45:49
1	As 188.979†	535.7	404.6	0.6065 mg/L	0.6065 mg/L	01:46:02
1	B 182.528†	331.1	249.3	0.4918 mg/L	0.4918 mg/L	01:46:02
1	Ba 233.527†	205002.6	156027.7	2.157 mg/L	2.157 mg/L	01:45:52
1	Be 313.107†	112769.4	86314.9	0.0514 mg/L	0.0514 mg/L	01:45:52

1	Ca	315.887†	17957351.1	13662446.2	128.7	mg/L	128.7	mg/L	01:45:46
1	Cd	228.802†	7796.9	5869.3	0.2056	mg/L	0.2056	mg/L	01:46:02
1	Co	228.616†	26445.8	20185.8	0.4951	mg/L	0.4951	mg/L	01:46:02
1	Cr	267.716†	64861.8	48940.8	0.5363	mg/L	0.5363	mg/L	01:45:52
1	Cu	324.752†	191186.3	144228.1	0.8125	mg/L	0.8125	mg/L	01:45:52
1	Fe	238.204†	28447391.7	21643641.2	182.9	mg/L	182.9	mg/L	01:45:46
1	Mg	279.077†	632219.9	480880.7	42.40	mg/L	42.40	mg/L	01:45:49
1	Mn	257.610†	6388614.8	4859519.5	8.589	mg/L	8.589	mg/L	01:45:49
1	Mo	202.031†	10834.5	8216.2	0.3622	mg/L	0.3622	mg/L	01:46:02
1	Ni	231.604†	21231.6	16172.5	0.5700	mg/L	0.5700	mg/L	01:45:52
1	P	214.914†	35455.6	26633.2	16.42	mg/L	16.42	mg/L	01:46:02
1	Pb	220.353†	23670.3	17951.0	1.513	mg/L	1.513	mg/L	01:46:02
1	Sb	206.836†	824.1	590.2	0.3895	mg/L	0.3895	mg/L	01:46:02
1	Se	196.026†	1112.8	846.6	0.9222	mg/L	0.9222	mg/L	01:46:02
1	Sn	189.927†	2576.9	1957.7	1.145	mg/L	1.145	mg/L	01:46:02
1	Ti	337.279†	4372475.0	3327195.3	4.706	mg/L	4.706	mg/L	01:45:49
1	Tl	190.801†	749.4	568.2	0.2455	mg/L	0.2455	mg/L	01:46:02
1	V	292.402†	156339.0	119631.4	0.7042	mg/L	0.7042	mg/L	01:45:52
1	Zn	213.857†	181607.4	137372.3	1.471	mg/L	1.471	mg/L	01:45:52
2	B	249.677†	982.0	737.8	0.4311	mg/L	0.4311	mg/L	01:45:39
2	Fe	234.349†	367853.8	277930.1	238.1	mg/L	238.1	mg/L	01:45:37
2	K	766.490†	88466.3	66670.2	36.06	mg/L	36.06	mg/L	01:45:39
2	Li	670.784†	27235.4	20752.6	0.6416	mg/L	0.6416	mg/L	01:45:39
2	Na	589.592†	312156.8	235693.1	38.65	mg/L	38.65	mg/L	01:45:37
2	Sr	407.771†	1597209.1	1206607.6	1.266	mg/L	1.266	mg/L	01:45:37
2	Y	371.029	3278503.3	3278503.3	1.32	mg/L			01:46:10
2	Ag	328.068†	33851.8	24191.8	0.2228	mg/L	0.2228	mg/L	01:46:12
2	Al	237.313†	1099860.2	831104.4	107.3	mg/L	107.3	mg/L	01:46:10
2	As	188.979†	542.1	406.5	0.6077	mg/L	0.6077	mg/L	01:46:22
2	B	182.528†	326.3	243.9	0.4813	mg/L	0.4813	mg/L	01:46:22
2	Ba	233.527†	207688.8	156969.4	2.170	mg/L	2.170	mg/L	01:46:12
2	Be	313.107†	114080.2	86706.8	0.0517	mg/L	0.0517	mg/L	01:46:12
2	Ca	315.887†	18011340.5	13607947.5	128.2	mg/L	128.2	mg/L	01:46:06
2	Cd	228.802†	7785.9	5819.7	0.2039	mg/L	0.2039	mg/L	01:46:22
2	Co	228.616†	26490.5	20079.2	0.4924	mg/L	0.4924	mg/L	01:46:22
2	Cr	267.716†	65618.9	49168.7	0.5388	mg/L	0.5388	mg/L	01:46:12
2	Cu	324.752†	193102.5	144661.4	0.8150	mg/L	0.8150	mg/L	01:46:12
2	Fe	238.204†	28523104.9	21549890.7	182.1	mg/L	182.1	mg/L	01:46:06
2	Mg	279.077†	636001.6	480383.1	42.36	mg/L	42.36	mg/L	01:46:10
2	Mn	257.610†	6425013.6	4853119.2	8.578	mg/L	8.578	mg/L	01:46:10
2	Mo	202.031†	10860.6	8178.4	0.3611	mg/L	0.3611	mg/L	01:46:22
2	Ni	231.604†	21530.6	16285.8	0.5740	mg/L	0.5740	mg/L	01:46:12
2	P	214.914†	35564.5	26527.3	16.35	mg/L	16.35	mg/L	01:46:22
2	Pb	220.353†	23779.6	17908.1	1.510	mg/L	1.510	mg/L	01:46:22
2	Sb	206.836†	818.1	581.3	0.3834	mg/L	0.3834	mg/L	01:46:22
2	Se	196.026†	1128.6	852.6	0.9268	mg/L	0.9268	mg/L	01:46:22
2	Sn	189.927†	2581.9	1947.9	1.134	mg/L	1.134	mg/L	01:46:22
2	Ti	337.279†	4399098.6	3324107.9	4.702	mg/L	4.702	mg/L	01:46:10
2	Tl	190.801†	766.3	576.9	0.2533	mg/L	0.2533	mg/L	01:46:22
2	V	292.402†	158393.5	120354.0	0.7093	mg/L	0.7093	mg/L	01:46:12
2	Zn	213.857†	183668.3	137965.7	1.478	mg/L	1.478	mg/L	01:46:12

Mean Data: CJ20518-PDS2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3267070.4	1.32 mg/L	0.007			0.49%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 131.9%						
Ag 328.068†	24149.5	0.2225 mg/L	0.00035	0.2225 mg/L	0.00035	0.16%
Al 237.313†	831683.9	107.4 mg/L	0.11	107.4 mg/L	0.11	0.10%
As 188.979†	405.6	0.6071 mg/L	0.00081	0.6071 mg/L	0.00081	0.13%
B 182.528†	246.6	0.4866 mg/L	0.00741	0.4866 mg/L	0.00741	1.52%
B 249.677†	735.5	0.4298 mg/L	0.00188	0.4298 mg/L	0.00188	0.44%
Ba 233.527†	156498.6	2.163 mg/L	0.0092	2.163 mg/L	0.0092	0.43%
Be 313.107†	86510.8	0.0516 mg/L	0.00017	0.0516 mg/L	0.00017	0.32%
Ca 315.887†	13635196.8	128.4 mg/L	0.36	128.4 mg/L	0.36	0.28%
Cd 228.802†	5844.5	0.2048 mg/L	0.00125	0.2048 mg/L	0.00125	0.61%
Co 228.616†	20132.5	0.4938 mg/L	0.00189	0.4938 mg/L	0.00189	0.38%
Cr 267.716†	49054.7	0.5375 mg/L	0.00177	0.5375 mg/L	0.00177	0.33%
Cu 324.752†	144444.8	0.8137 mg/L	0.00172	0.8137 mg/L	0.00172	0.21%
Fe 234.349†	279674.6	239.6 mg/L	2.11	239.6 mg/L	2.11	0.88%
Fe 238.204†	21596765.9	182.5 mg/L	0.56	182.5 mg/L	0.56	0.31%
K 766.490†	66711.7	36.08 mg/L	0.032	36.08 mg/L	0.032	0.09%

Li 670.784†	20760.2	0.6419 mg/L	0.00033	0.6419 mg/L	0.00033	0.05%
Mg 279.077†	480631.9	42.38 mg/L	0.031	42.38 mg/L	0.031	0.07%
Mn 257.610†	4856319.3	8.584 mg/L	0.0080	8.584 mg/L	0.0080	0.09%
Mo 202.031†	8197.3	0.3616 mg/L	0.00077	0.3616 mg/L	0.00077	0.21%
Na 589.592†	236905.3	38.85 mg/L	0.280	38.85 mg/L	0.280	0.72%
Ni 231.604†	16229.2	0.5720 mg/L	0.00284	0.5720 mg/L	0.00284	0.50%
P 214.914†	26580.2	16.39 mg/L	0.050	16.39 mg/L	0.050	0.30%
Pb 220.353†	17929.6	1.512 mg/L	0.0026	1.512 mg/L	0.0026	0.17%
Sb 206.836†	585.8	0.3865 mg/L	0.00435	0.3865 mg/L	0.00435	1.13%
Se 196.026†	849.6	0.9245 mg/L	0.00326	0.9245 mg/L	0.00326	0.35%
Sn 189.927†	1952.8	1.140 mg/L	0.0078	1.140 mg/L	0.0078	0.68%
Sr 407.771†	1214054.6	1.274 mg/L	0.0110	1.274 mg/L	0.0110	0.87%
Ti 337.279†	3325651.6	4.704 mg/L	0.0031	4.704 mg/L	0.0031	0.07%
Tl 190.801†	572.6	0.2494 mg/L	0.00552	0.2494 mg/L	0.00552	2.21%
V 292.402†	119992.7	0.7067 mg/L	0.00360	0.7067 mg/L	0.00360	0.51%
Zn 213.857†	137669.0	1.474 mg/L	0.0045	1.474 mg/L	0.0045	0.30%
Internal Standard Check failed. Continue with analysis.						

Sequence No.: 143
Sample ID: 1210145-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 127
Date Collected: 10/7/2012 1:48:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210145-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	5.9	0.6	0.0026 mg/L	0.0026 mg/L	01:49:45
1	Fe 234.349†	459752.6	375879.9	322.1 mg/L	322.1 mg/L	01:49:43
1	K 766.490†	41051.0	33392.8	18.16 mg/L	18.16 mg/L	01:49:45
1	Li 670.784†	11123.4	9269.5	0.2869 mg/L	0.2869 mg/L	01:49:45
1	Na 589.592†	38995.8	31730.7	5.292 mg/L	5.292 mg/L	01:49:45
1	Sr 407.771†	418517.2	342030.9	0.3593 mg/L	0.3593 mg/L	01:49:43
1	Y 371.029	3029763.6	3029763.6	1.22 mg/L		01:49:59
1	Ag 328.068†	-1402.1	-2530.5	0.0018 mg/L	0.0018 mg/L	01:50:01
1	Al 237.313†	1642439.8	1342916.5	173.4 mg/L	173.4 mg/L	01:49:59
1	As 188.979†	92.3	72.5	0.2266 mg/L	0.2266 mg/L	01:50:12
1	B 182.528†	27.5	19.8	0.0441 mg/L	0.0441 mg/L	01:50:12
1	Ba 233.527†	55616.0	45523.7	0.6278 mg/L	0.6278 mg/L	01:50:01
1	Be 313.107†	12295.9	10568.4	0.0062 mg/L	0.0062 mg/L	01:50:01
1	Ca 315.887†	13818463.9	11297237.0	106.4 mg/L	106.4 mg/L	01:49:56
1	Cd 228.802†	325.9	203.6	0.0067 mg/L	0.0067 mg/L	01:50:12
1	Co 228.616†	6770.5	5600.1	0.1253 mg/L	0.1253 mg/L	01:50:12
1	Cr 267.716†	30267.0	24336.6	0.2648 mg/L	0.2648 mg/L	01:50:01
1	Cu 324.752†	75429.1	60434.4	0.3420 mg/L	0.3420 mg/L	01:50:01
1	Fe 238.204†	33490167.5	27379980.9	231.4 mg/L	231.4 mg/L	01:49:56
1	Mg 279.077†	961422.1	785883.0	69.29 mg/L	69.29 mg/L	01:49:59
1	Mn 257.610†	3319058.9	2712353.3	4.793 mg/L	4.793 mg/L	01:49:59
1	Mo 202.031†	474.6	360.9	-0.0815 mg/L	-0.0815 mg/L	01:50:12
1	Ni 231.604†	8537.2	6998.4	0.2443 mg/L	0.2443 mg/L	01:50:12
1	P 214.914†	21273.2	17049.3	10.92 mg/L	10.92 mg/L	01:50:12
1	Pb 220.353†	15149.5	12327.4	1.010 mg/L	1.010 mg/L	01:50:12
1	Sb 206.836†	118.7	60.2	-0.0930 mg/L	-0.0930 mg/L	01:50:12
1	Se 196.026†	-101.2	-82.8	0.0555 mg/L	0.0555 mg/L	01:50:12
1	Sn 189.927†	-360.8	-297.8	0.8718 mg/L	0.8718 mg/L	01:50:12
1	Ti 337.279†	5534191.6	4524979.0	6.401 mg/L	6.401 mg/L	01:49:59
1	Tl 190.801†	22.6	16.5	-0.1862 mg/L	-0.1862 mg/L	01:50:12
1	V 292.402†	90971.2	75057.3	0.4036 mg/L	0.4036 mg/L	01:50:01
1	Zn 213.857†	239047.9	194634.3	2.090 mg/L	2.090 mg/L	01:50:01
2	B 249.677†	9.6	3.6	0.0044 mg/L	0.0044 mg/L	01:49:49
2	Fe 234.349†	461386.6	374473.6	320.9 mg/L	320.9 mg/L	01:49:47
2	K 766.490†	40191.9	32451.6	17.65 mg/L	17.65 mg/L	01:49:49
2	Li 670.784†	10961.5	9072.0	0.2808 mg/L	0.2808 mg/L	01:49:49
2	Na 589.592†	38404.7	31019.2	5.175 mg/L	5.175 mg/L	01:49:49
2	Sr 407.771†	420282.9	340976.5	0.3582 mg/L	0.3582 mg/L	01:49:47
2	Y 371.029	3051950.8	3051950.8	1.23 mg/L		01:50:19
2	Ag 328.068†	-1433.5	-2547.7	0.0016 mg/L	0.0016 mg/L	01:50:22
2	Al 237.313†	1654550.5	1342983.9	173.4 mg/L	173.4 mg/L	01:50:19
2	As 188.979†	84.0	65.2	0.2170 mg/L	0.2170 mg/L	01:50:32
2	B 182.528†	22.8	15.9	0.0363 mg/L	0.0363 mg/L	01:50:32
2	Ba 233.527†	56297.6	45746.3	0.6309 mg/L	0.6309 mg/L	01:50:22

2	Be	313.107†	12507.5	10667.1	0.0062 mg/L	0.0062 mg/L	01:50:22
2	Ca	315.887†	13732527.3	11145359.6	105.0 mg/L	105.0 mg/L	01:50:16
2	Cd	228.802†	307.4	186.6	0.0062 mg/L	0.0062 mg/L	01:50:32
2	Co	228.616†	6725.7	5523.5	0.1234 mg/L	0.1234 mg/L	01:50:32
2	Cr	267.716†	30518.5	24360.8	0.2651 mg/L	0.2651 mg/L	01:50:22
2	Cu	324.752†	76691.0	61010.3	0.3453 mg/L	0.3453 mg/L	01:50:22
2	Fe	238.204†	33331637.5	27052266.9	228.6 mg/L	228.6 mg/L	01:50:16
2	Mg	279.077†	969176.3	786462.2	69.34 mg/L	69.34 mg/L	01:50:19
2	Mn	257.610†	3340463.4	2709998.7	4.789 mg/L	4.789 mg/L	01:50:19
2	Mo	202.031†	441.6	331.3	-0.0827 mg/L	-0.0827 mg/L	01:50:32
2	Ni	231.604†	8484.3	6904.8	0.2409 mg/L	0.2409 mg/L	01:50:32
2	P	214.914†	21116.9	16796.1	10.77 mg/L	10.77 mg/L	01:50:32
2	Pb	220.353†	15005.5	12120.5	0.9918 mg/L	0.9918 mg/L	01:50:32
2	Sb	206.836†	127.9	67.0	-0.0868 mg/L	-0.0868 mg/L	01:50:32
2	Se	196.026†	-104.1	-84.6	0.0532 mg/L	0.0532 mg/L	01:50:32
2	Sn	189.927†	-410.5	-336.0	0.8597 mg/L	0.8597 mg/L	01:50:32
2	Ti	337.279†	5569193.2	4520494.3	6.395 mg/L	6.395 mg/L	01:50:19
2	Tl	190.801†	25.5	18.7	-0.1840 mg/L	-0.1840 mg/L	01:50:32
2	V	292.402†	92145.1	75469.3	0.4064 mg/L	0.4064 mg/L	01:50:22
2	Zn	213.857†	241966.4	195582.2	2.100 mg/L	2.100 mg/L	01:50:22

Mean Data: 1210145-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3040857.2	1.23	mg/L	0.006				0.52%
Ag 328.068†	-2539.1	0.0017	mg/L	0.00017	0.0017	mg/L	0.00017	9.79%
Al 237.313†	1342950.2	173.4	mg/L	0.01	173.4	mg/L	0.01	0.00%
As 188.979†	68.8	0.2218	mg/L	0.00676	0.2218	mg/L	0.00676	3.05%
B 182.528†	17.9	0.0402	mg/L	0.00547	0.0402	mg/L	0.00547	13.61%
B 249.677†	2.1	0.0035	mg/L	0.00125	0.0035	mg/L	0.00125	35.45%
Ba 233.527†	45635.0	0.6294	mg/L	0.00218	0.6294	mg/L	0.00218	0.35%
Be 313.107†	10617.8	0.0062	mg/L	0.00004	0.0062	mg/L	0.00004	0.67%
Ca 315.887†	11221298.3	105.7	mg/L	1.01	105.7	mg/L	1.01	0.96%
Cd 228.802†	195.1	0.0065	mg/L	0.00040	0.0065	mg/L	0.00040	6.14%
Co 228.616†	5561.8	0.1244	mg/L	0.00135	0.1244	mg/L	0.00135	1.09%
Cr 267.716†	24348.7	0.2650	mg/L	0.00019	0.2650	mg/L	0.00019	0.07%
Cu 324.752†	60722.3	0.3436	mg/L	0.00229	0.3436	mg/L	0.00229	0.67%
Fe 234.349†	375176.7	321.5	mg/L	0.85	321.5	mg/L	0.85	0.26%
Fe 238.204†	27216123.9	230.0	mg/L	1.96	230.0	mg/L	1.96	0.85%
K 766.490†	32922.2	17.90	mg/L	0.358	17.90	mg/L	0.358	2.00%
Li 670.784†	9170.7	0.2839	mg/L	0.00431	0.2839	mg/L	0.00431	1.52%
Mg 279.077†	786172.6	69.32	mg/L	0.036	69.32	mg/L	0.036	0.05%
Mn 257.610†	2711176.0	4.791	mg/L	0.0029	4.791	mg/L	0.0029	0.06%
Mo 202.031†	346.1	-0.0821	mg/L	0.00085	-0.0821	mg/L	0.00085	1.04%
Na 589.592†	31375.0	5.233	mg/L	0.0823	5.233	mg/L	0.0823	1.57%
Ni 231.604†	6951.6	0.2426	mg/L	0.00235	0.2426	mg/L	0.00235	0.97%
P 214.914†	16922.7	10.85	mg/L	0.109	10.85	mg/L	0.109	1.00%
Pb 220.353†	12224.0	1.001	mg/L	0.0126	1.001	mg/L	0.0126	1.26%
Sb 206.836†	63.6	-0.0899	mg/L	0.00441	-0.0899	mg/L	0.00441	4.91%
Se 196.026†	-83.7	0.0544	mg/L	0.00159	0.0544	mg/L	0.00159	2.92%
Sn 189.927†	-316.9	0.8657	mg/L	0.00860	0.8657	mg/L	0.00860	0.99%
Sr 407.771†	341503.7	0.3587	mg/L	0.00078	0.3587	mg/L	0.00078	0.22%
Ti 337.279†	4522736.7	6.398	mg/L	0.0045	6.398	mg/L	0.0045	0.07%
Tl 190.801†	17.6	-0.1851	mg/L	0.00158	-0.1851	mg/L	0.00158	0.85%
V 292.402†	75263.3	0.4050	mg/L	0.00198	0.4050	mg/L	0.00198	0.49%
Zn 213.857†	195108.2	2.095	mg/L	0.0072	2.095	mg/L	0.0072	0.34%

Sequence No.: 144

Sample ID: 1210146-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 128

Date Collected: 10/7/2012 1:52:10 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210146-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	10.2	4.2	0.0048	mg/L	0.0048	mg/L	01:53:52
1	Fe 234.349†	320104.4	261857.6	224.5	mg/L	224.5	mg/L	01:53:49
1	K 766.490†	22160.3	17958.8	9.857	mg/L	9.857	mg/L	01:53:52
1	Li 670.784†	7297.2	6144.7	0.1904	mg/L	0.1904	mg/L	01:53:52

1	Na	589.592†	55750.2	45454.2	7.536	mg/L	7.536	mg/L	01:53:49
1	Sr	407.771†	202459.0	165484.6	0.1741	mg/L	0.1741	mg/L	01:53:49
1	Y	371.029	3028049.6	3028049.6	1.22	mg/L			01:54:05
1	Ag	328.068†	-426.4	-1733.0	0.0011	mg/L	0.0011	mg/L	01:54:07
1	Al	237.313†	1207604.3	987972.3	127.5	mg/L	127.5	mg/L	01:54:05
1	As	188.979†	55.7	42.6	0.1484	mg/L	0.1484	mg/L	01:54:18
1	B	182.528†	25.0	17.8	0.0401	mg/L	0.0401	mg/L	01:54:18
1	Ba	233.527†	40883.8	33498.2	0.4615	mg/L	0.4615	mg/L	01:54:07
1	Be	313.107†	10019.1	8711.7	0.0051	mg/L	0.0051	mg/L	01:54:07
1	Ca	315.887†	3736171.4	3056112.2	28.78	mg/L	28.78	mg/L	01:54:05
1	Cd	228.802†	206.4	106.0	0.0035	mg/L	0.0035	mg/L	01:54:18
1	Co	228.616†	5273.4	4378.6	0.0991	mg/L	0.0991	mg/L	01:54:18
1	Cr	267.716†	22230.9	17776.9	0.1926	mg/L	0.1926	mg/L	01:54:07
1	Cu	324.752†	158352.3	128302.2	0.7224	mg/L	0.7224	mg/L	01:54:07
1	Fe	238.204†	26833969.5	21950574.5	185.5	mg/L	185.5	mg/L	01:54:02
1	Mg	279.077†	599483.3	490254.6	43.21	mg/L	43.21	mg/L	01:54:05
1	Mn	257.610†	2551191.1	2085757.8	3.685	mg/L	3.685	mg/L	01:54:05
1	Mo	202.031†	362.4	269.4	-0.0562	mg/L	-0.0562	mg/L	01:54:07
1	Ni	231.604†	6873.7	5641.6	0.1962	mg/L	0.1962	mg/L	01:54:07
1	P	214.914†	15020.0	11944.0	7.649	mg/L	7.649	mg/L	01:54:07
1	Pb	220.353†	7951.2	6446.1	0.5154	mg/L	0.5154	mg/L	01:54:18
1	Sb	206.836†	95.1	41.0	-0.0660	mg/L	-0.0660	mg/L	01:54:18
1	Se	196.026†	-70.8	-58.0	0.0379	mg/L	0.0379	mg/L	01:54:18
1	Sn	189.927†	-178.0	-148.5	0.6199	mg/L	0.6199	mg/L	01:54:18
1	Ti	337.279†	3565068.1	2916757.2	4.125	mg/L	4.125	mg/L	01:54:05
1	Tl	190.801†	9.1	5.5	-0.1349	mg/L	-0.1349	mg/L	01:54:18
1	V	292.402†	69601.8	57618.7	0.3142	mg/L	0.3142	mg/L	01:54:07
1	Zn	213.857†	142354.8	115648.0	1.240	mg/L	1.240	mg/L	01:54:07
2	B	249.677†	18.4	10.9	0.0087	mg/L	0.0087	mg/L	01:53:56
2	Fe	234.349†	322497.8	265258.5	227.4	mg/L	227.4	mg/L	01:53:54
2	K	766.490†	21837.1	17792.2	9.767	mg/L	9.767	mg/L	01:53:56
2	Li	670.784†	7259.0	6146.0	0.1904	mg/L	0.1904	mg/L	01:53:56
2	Na	589.592†	56073.7	45969.7	7.621	mg/L	7.621	mg/L	01:53:54
2	Sr	407.771†	203919.1	167591.4	0.1763	mg/L	0.1763	mg/L	01:53:54
2	Y	371.029	3011577.4	3011577.4	1.22	mg/L			01:54:25
2	Ag	328.068†	-391.4	-1706.1	0.0015	mg/L	0.0015	mg/L	01:54:27
2	Al	237.313†	1201308.6	988197.3	127.6	mg/L	127.6	mg/L	01:54:25
2	As	188.979†	69.7	54.4	0.1644	mg/L	0.1644	mg/L	01:54:37
2	B	182.528†	32.8	24.3	0.0528	mg/L	0.0528	mg/L	01:54:37
2	Ba	233.527†	41016.3	33790.1	0.4655	mg/L	0.4655	mg/L	01:54:27
2	Be	313.107†	10142.0	8857.6	0.0051	mg/L	0.0051	mg/L	01:54:27
2	Ca	315.887†	3707857.7	3049540.9	28.71	mg/L	28.71	mg/L	01:54:25
2	Cd	228.802†	190.1	93.5	0.0030	mg/L	0.0030	mg/L	01:54:37
2	Co	228.616†	5265.0	4395.3	0.0995	mg/L	0.0995	mg/L	01:54:37
2	Cr	267.716†	22493.6	18092.5	0.1961	mg/L	0.1961	mg/L	01:54:27
2	Cu	324.752†	159094.4	129621.1	0.7298	mg/L	0.7298	mg/L	01:54:27
2	Fe	238.204†	26703157.4	21963044.4	185.6	mg/L	185.6	mg/L	01:54:21
2	Mg	279.077†	595700.5	489825.5	43.17	mg/L	43.17	mg/L	01:54:25
2	Mn	257.610†	2535296.3	2084099.1	3.682	mg/L	3.682	mg/L	01:54:25
2	Mo	202.031†	270.1	195.1	-0.0611	mg/L	-0.0611	mg/L	01:54:27
2	Ni	231.604†	6916.3	5707.4	0.1985	mg/L	0.1985	mg/L	01:54:27
2	P	214.914†	15185.6	12147.4	7.777	mg/L	7.777	mg/L	01:54:27
2	Pb	220.353†	7946.7	6478.0	0.5181	mg/L	0.5181	mg/L	01:54:37
2	Sb	206.836†	94.5	40.9	-0.0673	mg/L	-0.0673	mg/L	01:54:37
2	Se	196.026†	-76.1	-62.7	0.0346	mg/L	0.0346	mg/L	01:54:37
2	Sn	189.927†	-169.6	-142.3	0.6298	mg/L	0.6298	mg/L	01:54:37
2	Ti	337.279†	3542634.9	2914257.0	4.122	mg/L	4.122	mg/L	01:54:25
2	Tl	190.801†	9.3	5.6	-0.1365	mg/L	-0.1365	mg/L	01:54:37
2	V	292.402†	70125.1	58360.6	0.3183	mg/L	0.3183	mg/L	01:54:27
2	Zn	213.857†	143096.7	116895.1	1.253	mg/L	1.253	mg/L	01:54:27

Mean Data: 1210146-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3019813.5	1.22	mg/L	0.005				0.39%
Ag 328.068†	-1719.6	0.0013	mg/L	0.00032	0.0013	mg/L	0.00032	24.59%
Al 237.313†	988084.8	127.6	mg/L	0.02	127.6	mg/L	0.02	0.02%
As 188.979†	48.5	0.1564	mg/L	0.01128	0.1564	mg/L	0.01128	7.21%
B 182.528†	21.1	0.0464	mg/L	0.00899	0.0464	mg/L	0.00899	19.37%
B 249.677†	7.6	0.0067	mg/L	0.00278	0.0067	mg/L	0.00278	41.14%
Ba 233.527†	33644.1	0.4635	mg/L	0.00285	0.4635	mg/L	0.00285	0.62%
Be 313.107†	8784.6	0.0051	mg/L	0.00006	0.0051	mg/L	0.00006	1.21%

Ca	315.887†	3052826.6	28.74 mg/L	0.044	28.74 mg/L	0.044	0.15%
Cd	228.802†	99.8	0.0032 mg/L	0.00036	0.0032 mg/L	0.00036	11.20%
Co	228.616†	4387.0	0.0993 mg/L	0.00030	0.0993 mg/L	0.00030	0.30%
Cr	267.716†	17934.7	0.1943 mg/L	0.00245	0.1943 mg/L	0.00245	1.26%
Cu	324.752†	128961.6	0.7261 mg/L	0.00525	0.7261 mg/L	0.00525	0.72%
Fe	234.349†	263558.0	225.9 mg/L	2.06	225.9 mg/L	2.06	0.91%
Fe	238.204†	21956809.4	185.6 mg/L	0.07	185.6 mg/L	0.07	0.04%
K	766.490†	17875.5	9.812 mg/L	0.0634	9.812 mg/L	0.0634	0.65%
Li	670.784†	6145.3	0.1904 mg/L	0.00003	0.1904 mg/L	0.00003	0.01%
Mg	279.077†	490040.1	43.19 mg/L	0.027	43.19 mg/L	0.027	0.06%
Mn	257.610†	2084928.5	3.684 mg/L	0.0021	3.684 mg/L	0.0021	0.06%
Mo	202.031†	232.2	-0.0587 mg/L	0.00345	-0.0587 mg/L	0.00345	5.87%
Na	589.592†	45712.0	7.579 mg/L	0.0596	7.579 mg/L	0.0596	0.79%
Ni	231.604†	5674.5	0.1973 mg/L	0.00164	0.1973 mg/L	0.00164	0.83%
P	214.914†	12045.7	7.713 mg/L	0.0903	7.713 mg/L	0.0903	1.17%
Pb	220.353†	6462.0	0.5168 mg/L	0.00193	0.5168 mg/L	0.00193	0.37%
Sb	206.836†	40.9	-0.0666 mg/L	0.00096	-0.0666 mg/L	0.00096	1.44%
Se	196.026†	-60.3	0.0363 mg/L	0.00235	0.0363 mg/L	0.00235	6.48%
Sn	189.927†	-145.4	0.6248 mg/L	0.00701	0.6248 mg/L	0.00701	1.12%
Sr	407.771†	166538.0	0.1752 mg/L	0.00156	0.1752 mg/L	0.00156	0.89%
Ti	337.279†	2915507.1	4.123 mg/L	0.0025	4.123 mg/L	0.0025	0.06%
Tl	190.801†	5.5	-0.1357 mg/L	0.00110	-0.1357 mg/L	0.00110	0.81%
V	292.402†	57989.7	0.3163 mg/L	0.00289	0.3163 mg/L	0.00289	0.91%
Zn	213.857†	116271.6	1.247 mg/L	0.0095	1.247 mg/L	0.0095	0.76%

Sequence No.: 145
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/7/2012 1:56:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	968.3	791.5	0.4624 mg/L	0.4624 mg/L	01:58:06
1	Fe 234.349†	4042.6	3327.6	2.859 mg/L	2.859 mg/L	01:58:06
1	K 766.490†	52543.8	43007.5	23.33 mg/L	23.33 mg/L	01:57:55
1	Li 670.784†	18666.9	15514.4	0.4798 mg/L	0.4798 mg/L	01:57:55
1	Na 589.592†	172640.4	141711.1	23.28 mg/L	23.28 mg/L	01:57:55
1	Sr 407.771†	56593.9	46373.2	0.0491 mg/L	0.0491 mg/L	01:57:55
1	Y 371.029	3014424.6	3014424.6	1.22 mg/L	1.22 mg/L	01:58:22
1	Ag 328.068†	38616.0	30347.2	0.2570 mg/L	0.2570 mg/L	01:58:24
1	Al 237.313†	25315.4	20929.6	2.699 mg/L	2.699 mg/L	01:58:24
1	As 188.979†	510.4	416.4	0.5215 mg/L	0.5215 mg/L	01:58:35
1	B 182.528†	343.3	279.4	0.5507 mg/L	0.5507 mg/L	01:58:35
1	Ba 233.527†	46349.0	38140.2	0.5256 mg/L	0.5256 mg/L	01:58:24
1	Be 313.107†	97228.9	80410.6	0.0479 mg/L	0.0479 mg/L	01:58:24
1	Ca 315.887†	627300.1	515311.8	4.841 mg/L	4.841 mg/L	01:58:22
1	Cd 228.802†	8310.9	6766.4	0.2374 mg/L	0.2374 mg/L	01:58:35
1	Co 228.616†	24566.3	20251.5	0.5051 mg/L	0.5051 mg/L	01:58:24
1	Cr 267.716†	55990.1	45599.7	0.4996 mg/L	0.4996 mg/L	01:58:24
1	Cu 324.752†	110673.7	89709.3	0.5022 mg/L	0.5022 mg/L	01:58:24
1	Fe 238.204†	402840.7	330864.6	2.785 mg/L	2.785 mg/L	01:58:24
1	Mg 279.077†	71060.3	58256.6	5.102 mg/L	5.102 mg/L	01:58:24
1	Mn 257.610†	360374.8	294958.1	0.5188 mg/L	0.5188 mg/L	01:58:24
1	Mo 202.031†	11235.7	9205.5	0.4893 mg/L	0.4893 mg/L	01:58:35
1	Ni 231.604†	18838.5	15498.7	0.5462 mg/L	0.5462 mg/L	01:58:24
1	P 214.914†	10296.4	8118.0	4.852 mg/L	4.852 mg/L	01:58:35
1	Pb 220.353†	6947.8	5651.0	0.4820 mg/L	0.4820 mg/L	01:58:35
1	Sb 206.836†	808.6	627.6	0.5266 mg/L	0.5266 mg/L	01:58:35
1	Se 196.026†	1316.6	1081.8	1.049 mg/L	1.049 mg/L	01:58:35
1	Sn 189.927†	2835.8	2327.4	0.5319 mg/L	0.5319 mg/L	01:58:35
1	Ti 337.279†	420474.3	345970.3	0.4875 mg/L	0.4875 mg/L	01:58:22
1	Tl 190.801†	847.0	694.0	0.4750 mg/L	0.4750 mg/L	01:58:35
1	V 292.402†	96865.3	80279.0	0.5064 mg/L	0.5064 mg/L	01:58:24
1	Zn 213.857†	60787.8	49149.3	0.5234 mg/L	0.5234 mg/L	01:58:24
2	B 249.677†	982.5	808.1	0.4721 mg/L	0.4721 mg/L	01:58:18
2	Fe 234.349†	4043.3	3348.6	2.877 mg/L	2.877 mg/L	01:58:18
2	K 766.490†	53303.4	43900.4	23.81 mg/L	23.81 mg/L	01:58:08
2	Li 670.784†	18926.4	15823.1	0.4893 mg/L	0.4893 mg/L	01:58:08
2	Na 589.592†	174931.8	144475.8	23.73 mg/L	23.73 mg/L	01:58:08

2	Sr 407.771†	57350.4	47284.0	0.0501 mg/L	0.0501 mg/L	01:58:08
2	Y 371.029	2996044.0	2996044.0	1.21 mg/L		01:58:37
2	Ag 328.068†	38468.7	30420.1	0.2576 mg/L	0.2576 mg/L	01:58:39
2	Al 237.313†	24959.3	20762.8	2.678 mg/L	2.678 mg/L	01:58:39
2	As 188.979†	515.3	423.0	0.5298 mg/L	0.5298 mg/L	01:58:50
2	B 182.528†	337.4	276.3	0.5445 mg/L	0.5445 mg/L	01:58:50
2	Ba 233.527†	46131.3	38193.8	0.5264 mg/L	0.5264 mg/L	01:58:39
2	Be 313.107†	97149.8	80835.3	0.0482 mg/L	0.0482 mg/L	01:58:39
2	Ca 315.887†	623880.9	515647.3	4.844 mg/L	4.844 mg/L	01:58:37
2	Cd 228.802†	8361.8	6850.4	0.2403 mg/L	0.2403 mg/L	01:58:50
2	Co 228.616†	24418.4	20253.0	0.5051 mg/L	0.5051 mg/L	01:58:39
2	Cr 267.716†	55629.6	45583.9	0.4994 mg/L	0.4994 mg/L	01:58:39
2	Cu 324.752†	110666.2	90261.0	0.5053 mg/L	0.5053 mg/L	01:58:39
2	Fe 238.204†	396465.2	327624.5	2.758 mg/L	2.758 mg/L	01:58:39
2	Mg 279.077†	70539.5	58184.2	5.096 mg/L	5.096 mg/L	01:58:39
2	Mn 257.610†	358342.6	295094.7	0.5190 mg/L	0.5190 mg/L	01:58:39
2	Mo 202.031†	11324.8	9335.7	0.4962 mg/L	0.4962 mg/L	01:58:50
2	Ni 231.604†	18708.5	15486.2	0.5458 mg/L	0.5458 mg/L	01:58:39
2	P 214.914†	10336.3	8202.9	4.902 mg/L	4.902 mg/L	01:58:50
2	Pb 220.353†	7013.4	5740.2	0.4897 mg/L	0.4897 mg/L	01:58:50
2	Sb 206.836†	812.3	634.8	0.5326 mg/L	0.5326 mg/L	01:58:50
2	Se 196.026†	1319.8	1091.1	1.058 mg/L	1.058 mg/L	01:58:50
2	Sn 189.927†	2845.0	2349.3	0.5369 mg/L	0.5369 mg/L	01:58:50
2	Ti 337.279†	419123.5	346973.2	0.4889 mg/L	0.4889 mg/L	01:58:37
2	Tl 190.801†	849.5	700.3	0.4794 mg/L	0.4794 mg/L	01:58:50
2	V 292.402†	96488.9	80456.2	0.5075 mg/L	0.5075 mg/L	01:58:39
2	Zn 213.857†	60494.9	49213.6	0.5241 mg/L	0.5241 mg/L	01:58:39

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3005234.3	1.21 mg/L	0.005			0.43%
Ag 328.068†	30383.7	0.2573 mg/L	0.00044	0.2573 mg/L	0.00044	0.17%
QC value within limits for Ag 328.068 Recovery = 102.91%						
Al 237.313†	20846.2	2.689 mg/L	0.0152	2.689 mg/L	0.0152	0.57%
QC value within limits for Al 237.313 Recovery = 107.55%						
As 188.979†	419.7	0.5257 mg/L	0.00584	0.5257 mg/L	0.00584	1.11%
QC value within limits for As 188.979 Recovery = 105.13%						
B 182.528†	277.9	0.5476 mg/L	0.00436	0.5476 mg/L	0.00436	0.80%
QC value within limits for B 182.528 Recovery = 109.52%						
B 249.677†	799.8	0.4673 mg/L	0.00683	0.4673 mg/L	0.00683	1.46%
QC value within limits for B 249.677 Recovery = 93.45%						
Ba 233.527†	38167.0	0.5260 mg/L	0.00052	0.5260 mg/L	0.00052	0.10%
QC value within limits for Ba 233.527 Recovery = 105.20%						
Be 313.107†	80623.0	0.0480 mg/L	0.00018	0.0480 mg/L	0.00018	0.37%
QC value within limits for Be 313.107 Recovery = 96.09%						
Ca 315.887†	515479.5	4.842 mg/L	0.0022	4.842 mg/L	0.0022	0.05%
QC value within limits for Ca 315.887 Recovery = 96.85%						
Cd 228.802†	6808.4	0.2388 mg/L	0.00208	0.2388 mg/L	0.00208	0.87%
QC value within limits for Cd 228.802 Recovery = 95.54%						
Co 228.616†	20252.2	0.5051 mg/L	0.00003	0.5051 mg/L	0.00003	0.01%
QC value within limits for Co 228.616 Recovery = 101.01%						
Cr 267.716†	45591.8	0.4995 mg/L	0.00012	0.4995 mg/L	0.00012	0.02%
QC value within limits for Cr 267.716 Recovery = 99.90%						
Cu 324.752†	89985.2	0.5038 mg/L	0.00220	0.5038 mg/L	0.00220	0.44%
QC value within limits for Cu 324.752 Recovery = 100.75%						
Fe 234.349†	3338.1	2.868 mg/L	0.0127	2.868 mg/L	0.0127	0.44%
QC value greater than the upper limit for Fe 234.349 Recovery = 114.71%						
Fe 238.204†	329244.5	2.772 mg/L	0.0194	2.772 mg/L	0.0194	0.70%
QC value greater than the upper limit for Fe 238.204 Recovery = 110.87%						
K 766.490†	43453.9	23.57 mg/L	0.340	23.57 mg/L	0.340	1.44%
QC value within limits for K 766.490 Recovery = 94.28%						
Li 670.784†	15668.7	0.4846 mg/L	0.00674	0.4846 mg/L	0.00674	1.39%
QC value within limits for Li 670.784 Recovery = 96.92%						
Mg 279.077†	58220.4	5.099 mg/L	0.0045	5.099 mg/L	0.0045	0.09%
QC value within limits for Mg 279.077 Recovery = 101.97%						
Mn 257.610†	295026.4	0.5189 mg/L	0.00017	0.5189 mg/L	0.00017	0.03%
QC value within limits for Mn 257.610 Recovery = 103.78%						
Mo 202.031†	9270.6	0.4928 mg/L	0.00491	0.4928 mg/L	0.00491	1.00%
QC value within limits for Mo 202.031 Recovery = 98.56%						
Na 589.592†	143093.5	23.51 mg/L	0.320	23.51 mg/L	0.320	1.36%
QC value within limits for Na 589.592 Recovery = 94.03%						

Ni	231.604†	15492.5	0.5460 mg/L	0.00030	0.5460 mg/L	0.00030	0.06%
	QC value within limits for Ni 231.604 Recovery = 109.20%						
P	214.914†	8160.5	4.877 mg/L	0.0357	4.877 mg/L	0.0357	0.73%
	QC value within limits for P 214.914 Recovery = 97.54%						
Pb	220.353†	5695.6	0.4859 mg/L	0.00545	0.4859 mg/L	0.00545	1.12%
	QC value within limits for Pb 220.353 Recovery = 97.17%						
Sb	206.836†	631.2	0.5296 mg/L	0.00426	0.5296 mg/L	0.00426	0.80%
	QC value within limits for Sb 206.836 Recovery = 105.93%						
Se	196.026†	1086.5	1.053 mg/L	0.0064	1.053 mg/L	0.0064	0.60%
	QC value within limits for Se 196.026 Recovery = 105.33%						
Sn	189.927†	2338.3	0.5344 mg/L	0.00354	0.5344 mg/L	0.00354	0.66%
	QC value within limits for Sn 189.927 Recovery = 106.88%						
Sr	407.771†	46828.6	0.0496 mg/L	0.00068	0.0496 mg/L	0.00068	1.36%
	QC value within limits for Sr 407.771 Recovery = 99.16%						
Ti	337.279†	346471.7	0.4882 mg/L	0.00100	0.4882 mg/L	0.00100	0.21%
	QC value within limits for Ti 337.279 Recovery = 97.64%						
Tl	190.801†	697.1	0.4772 mg/L	0.00310	0.4772 mg/L	0.00310	0.65%
	QC value within limits for Tl 190.801 Recovery = 95.44%						
V	292.402†	80367.6	0.5070 mg/L	0.00082	0.5070 mg/L	0.00082	0.16%
	QC value within limits for V 292.402 Recovery = 101.39%						
Zn	213.857†	49181.4	0.5238 mg/L	0.00049	0.5238 mg/L	0.00049	0.09%
	QC value within limits for Zn 213.857 Recovery = 104.75%						
QC Failed. Continue with analysis.							

Sequence No.: 146
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/7/2012 2:00:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	6.8	1.3	0.0034 mg/L	0.0034 mg/L	0.0034 mg/L	02:02:25
1	Fe 234.349†	74.1	65.3	0.0744 mg/L	0.0744 mg/L	0.0744 mg/L	02:02:25
1	K 766.490†	311.9	81.8	0.2412 mg/L	0.2412 mg/L	0.2412 mg/L	02:02:15
1	Li 670.784†	-124.3	75.6	0.0029 mg/L	0.0029 mg/L	0.0029 mg/L	02:02:15
1	Na 589.592†	273.7	69.3	0.1126 mg/L	0.1126 mg/L	0.1126 mg/L	02:02:15
1	Sr 407.771†	376.9	171.7	0.0006 mg/L	0.0006 mg/L	0.0006 mg/L	02:02:15
1	Y 371.029	3084107.6	3084107.6	1.25 mg/L	1.25 mg/L	1.25 mg/L	02:02:49
1	Ag 328.068†	1498.4	-180.8	-0.0031 mg/L	-0.0031 mg/L	-0.0031 mg/L	02:02:51
1	Al 237.313†	84.5	195.3	0.0174 mg/L	0.0174 mg/L	0.0174 mg/L	02:03:01
1	As 188.979†	2.2	-1.3	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	02:03:01
1	B 182.528†	1.7	-1.2	0.0029 mg/L	0.0029 mg/L	0.0029 mg/L	02:03:01
1	Ba 233.527†	36.7	83.9	-0.0007 mg/L	-0.0007 mg/L	-0.0007 mg/L	02:03:01
1	Be 313.107†	-250.7	314.5	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	02:02:51
1	Ca 315.887†	2611.9	1946.0	0.0021 mg/L	0.0021 mg/L	0.0021 mg/L	02:02:51
1	Cd 228.802†	90.7	10.0	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	02:03:01
1	Co 228.616†	-2.9	62.5	-0.0012 mg/L	-0.0012 mg/L	-0.0012 mg/L	02:03:01
1	Cr 267.716†	538.1	23.8	-0.0029 mg/L	-0.0029 mg/L	-0.0029 mg/L	02:02:51
1	Cu 324.752†	1932.2	318.6	-0.0015 mg/L	-0.0015 mg/L	-0.0015 mg/L	02:02:51
1	Fe 238.204†	6680.2	5208.5	0.0323 mg/L	0.0323 mg/L	0.0323 mg/L	02:02:51
1	Mg 279.077†	419.6	202.1	-0.0200 mg/L	-0.0200 mg/L	-0.0200 mg/L	02:02:51
1	Mn 257.610†	1641.5	150.2	-0.0026 mg/L	-0.0026 mg/L	-0.0026 mg/L	02:03:01
1	Mo 202.031†	70.2	29.2	0.0013 mg/L	0.0013 mg/L	0.0013 mg/L	02:03:01
1	Ni 231.604†	34.7	46.6	-0.0021 mg/L	-0.0021 mg/L	-0.0021 mg/L	02:03:01
1	P 214.914†	381.1	-36.7	0.0061 mg/L	0.0061 mg/L	0.0061 mg/L	02:03:01
1	Pb 220.353†	129.3	45.7	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	02:03:01
1	Sb 206.836†	39.6	-5.0	-0.0054 mg/L	-0.0054 mg/L	-0.0054 mg/L	02:03:01
1	Se 196.026†	8.0	6.4	0.0047 mg/L	0.0047 mg/L	0.0047 mg/L	02:03:01
1	Sn 189.927†	14.1	8.4	-0.0006 mg/L	-0.0006 mg/L	-0.0006 mg/L	02:03:01
1	Ti 337.279†	1369.2	1558.8	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	02:02:51
1	Tl 190.801†	9.1	5.3	-0.0008 mg/L	-0.0008 mg/L	-0.0008 mg/L	02:03:01
1	V 292.402†	-547.0	243.8	-0.0006 mg/L	-0.0006 mg/L	-0.0006 mg/L	02:02:51
1	Zn 213.857†	1682.3	550.0	0.0048 mg/L	0.0048 mg/L	0.0048 mg/L	02:03:01
2	B 249.677†	5.7	0.3	0.0028 mg/L	0.0028 mg/L	0.0028 mg/L	02:02:45
2	Fe 234.349†	48.2	44.0	0.0562 mg/L	0.0562 mg/L	0.0562 mg/L	02:02:45
2	K 766.490†	295.6	66.0	0.2327 mg/L	0.2327 mg/L	0.2327 mg/L	02:02:35
2	Li 670.784†	-135.1	68.1	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	02:02:35
2	Na 589.592†	274.5	67.4	0.1123 mg/L	0.1123 mg/L	0.1123 mg/L	02:02:35
2	Sr 407.771†	339.7	138.8	0.0006 mg/L	0.0006 mg/L	0.0006 mg/L	02:02:35

2	Y 371.029	3119232.6	3119232.6	1.26 mg/L			02:03:03
2	Ag 328.068†	1492.6	-199.0	-0.0032 mg/L		-0.0032 mg/L	02:03:06
2	Al 237.313†	80.3	191.3	0.0169 mg/L		0.0169 mg/L	02:03:16
2	As 188.979†	-0.7	-3.5	-0.0028 mg/L		-0.0028 mg/L	02:03:16
2	B 182.528†	0.7	-2.0	0.0013 mg/L		0.0013 mg/L	02:03:16
2	Ba 233.527†	58.0	100.5	-0.0005 mg/L		-0.0005 mg/L	02:03:16
2	Be 313.107†	-297.3	279.8	0.0000 mg/L		0.0000 mg/L	02:03:06
2	Ca 315.887†	2245.4	1631.4	-0.0009 mg/L		-0.0009 mg/L	02:03:06
2	Cd 228.802†	92.2	10.4	0.0003 mg/L		0.0003 mg/L	02:03:16
2	Co 228.616†	-2.1	63.2	-0.0011 mg/L		-0.0011 mg/L	02:03:16
2	Cr 267.716†	493.8	-16.3	-0.0034 mg/L		-0.0034 mg/L	02:03:06
2	Cu 324.752†	1963.2	325.7	-0.0015 mg/L		-0.0015 mg/L	02:03:06
2	Fe 238.204†	6182.6	4753.0	0.0285 mg/L		0.0285 mg/L	02:03:06
2	Mg 279.077†	432.5	208.6	-0.0194 mg/L		-0.0194 mg/L	02:03:06
2	Mn 257.610†	1516.2	35.8	-0.0028 mg/L		-0.0028 mg/L	02:03:16
2	Mo 202.031†	61.7	21.9	0.0009 mg/L		0.0009 mg/L	02:03:16
2	Ni 231.604†	42.3	52.4	-0.0019 mg/L		-0.0019 mg/L	02:03:16
2	P 214.914†	377.4	-43.0	0.0023 mg/L		0.0023 mg/L	02:03:16
2	Pb 220.353†	160.5	69.4	0.0021 mg/L		0.0021 mg/L	02:03:16
2	Sb 206.836†	38.6	-6.1	-0.0064 mg/L		-0.0064 mg/L	02:03:16
2	Se 196.026†	7.9	6.2	0.0045 mg/L		0.0045 mg/L	02:03:16
2	Sn 189.927†	1.3	-1.8	-0.0029 mg/L		-0.0029 mg/L	02:03:16
2	Ti 337.279†	1214.0	1423.2	0.0000 mg/L		0.0000 mg/L	02:03:06
2	Tl 190.801†	5.2	2.1	-0.0030 mg/L		-0.0030 mg/L	02:03:16
2	V 292.402†	-463.2	315.2	-0.0002 mg/L		-0.0002 mg/L	02:03:06
2	Zn 213.857†	1725.0	568.7	0.0050 mg/L		0.0050 mg/L	02:03:16

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3101670.1	1.25 mg/L	0.010			0.80%
Ag 328.068†	-189.9	-0.0031 mg/L	0.00011	-0.0031 mg/L	0.00011	3.52%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated						
Al 237.313†	193.3	0.0172 mg/L	0.00037	0.0172 mg/L	0.00037	2.16%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-2.4	-0.0013 mg/L	0.00201	-0.0013 mg/L	0.00201	150.17%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-1.6	0.0021 mg/L	0.00111	0.0021 mg/L	0.00111	52.32%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	0.8	0.0031 mg/L	0.00041	0.0031 mg/L	0.00041	13.00%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	92.2	-0.0006 mg/L	0.00016	-0.0006 mg/L	0.00016	25.67%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	297.1	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	101.02%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	1788.7	0.0006 mg/L	0.00209	0.0006 mg/L	0.00209	337.06%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	10.2	0.0003 mg/L	0.00002	0.0003 mg/L	0.00002	5.02%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	62.8	-0.0012 mg/L	0.00001	-0.0012 mg/L	0.00001	1.04%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	3.8	-0.0032 mg/L	0.00031	-0.0032 mg/L	0.00031	9.89%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	322.2	-0.0015 mg/L	0.00003	-0.0015 mg/L	0.00003	1.87%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	54.7	0.0653 mg/L	0.01288	0.0653 mg/L	0.01288	19.71%
QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	4980.7	0.0304 mg/L	0.00272	0.0304 mg/L	0.00272	8.96%
QC value greater than the upper limit for Fe 238.204 Recovery = Not calculated						
K 766.490†	73.9	0.2370 mg/L	0.00598	0.2370 mg/L	0.00598	2.52%
QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li 670.784†	71.9	0.0028 mg/L	0.00016	0.0028 mg/L	0.00016	5.81%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	205.3	-0.0197 mg/L	0.00041	-0.0197 mg/L	0.00041	2.06%
QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	93.0	-0.0027 mg/L	0.00014	-0.0027 mg/L	0.00014	5.26%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	25.6	0.0011 mg/L	0.00027	0.0011 mg/L	0.00027	24.72%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	68.3	0.1125 mg/L	0.00021	0.1125 mg/L	0.00021	0.19%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	49.5	-0.0020 mg/L	0.00014	-0.0020 mg/L	0.00014	7.12%

P	214.914†	-39.8	0.0042 mg/L	0.00269	0.0042 mg/L	0.00269	63.46%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
	QC value within limits for P 214.914 Recovery = Not calculated						
Pb	220.353†	57.5	0.0011 mg/L	0.00144	0.0011 mg/L	0.00144	135.42%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-5.6	-0.0059 mg/L	0.00068	-0.0059 mg/L	0.00068	11.60%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	6.3	0.0046 mg/L	0.00011	0.0046 mg/L	0.00011	2.42%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	3.3	-0.0018 mg/L	0.00168	-0.0018 mg/L	0.00168	95.46%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	155.3	0.0006 mg/L	0.00002	0.0006 mg/L	0.00002	3.95%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	1491.0	0.0001 mg/L	0.00014	0.0001 mg/L	0.00014	251.07%
	QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	3.7	-0.0019 mg/L	0.00155	-0.0019 mg/L	0.00155	81.50%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	279.5	-0.0004 mg/L	0.00032	-0.0004 mg/L	0.00032	76.11%
	QC value within limits for V 292.402 Recovery = Not calculated						
Zn	213.857†	559.3	0.0049 mg/L	0.00014	0.0049 mg/L	0.00014	2.87%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

Sequence No.: 147
Sample ID: IFA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 10/7/2012 2:04:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: IFA

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc. Units	Sample Units	Analysis Time
1	B 249.677†	-14.5	-17.3	-0.0075	mg/L	-0.0075	mg/L	02:06:44
1	Fe 234.349†	113156.1	102817.2	87.96	mg/L	87.96	mg/L	02:06:34
1	K 766.490†	265.0	72.0	0.2360	mg/L	0.2360	mg/L	02:06:44
1	Li 670.784†	-96.3	88.0	0.0033	mg/L	0.0033	mg/L	02:06:44
1	Na 589.592†	251.0	77.5	0.1140	mg/L	0.1140	mg/L	02:06:44
1	Sr 407.771†	27566.2	24915.2	0.0266	mg/L	0.0266	mg/L	02:06:34
1	Y 371.029	2726236.0	2726236.0	1.10	mg/L			02:07:06
1	Ag 328.068†	477.2	-950.6	-0.0028	mg/L	-0.0028	mg/L	02:07:08
1	Al 237.313†	2036612.2	1850554.4	238.9	mg/L	238.9	mg/L	02:07:06
1	As 188.979†	-26.1	-26.7	0.0053	mg/L	0.0053	mg/L	02:07:19
1	B 182.528†	10.9	7.3	0.0196	mg/L	0.0196	mg/L	02:07:19
1	Ba 233.527†	243.5	275.7	0.0019	mg/L	0.0019	mg/L	02:07:19
1	Be 313.107†	-128.8	398.8	0.0001	mg/L	0.0001	mg/L	02:07:08
1	Ca 315.887†	25657012.3	23311319.7	219.6	mg/L	219.6	mg/L	02:07:03
1	Cd 228.802†	104.9	32.5	0.0013	mg/L	0.0013	mg/L	02:07:19
1	Co 228.616†	702.1	702.8	-0.0035	mg/L	-0.0035	mg/L	02:07:19
1	Cr 267.716†	872.1	384.0	0.0010	mg/L	0.0010	mg/L	02:07:19
1	Cu 324.752†	484.6	-792.9	-0.0004	mg/L	-0.0004	mg/L	02:07:19
1	Fe 238.204†	10108779.9	9184487.7	77.61	mg/L	77.61	mg/L	02:07:03
1	Mg 279.077†	2883708.8	2619947.9	231.0	mg/L	231.0	mg/L	02:07:06
1	Mn 257.610†	1851.2	513.8	-0.0020	mg/L	-0.0020	mg/L	02:07:08
1	Mo 202.031†	313.9	258.1	-0.0139	mg/L	-0.0139	mg/L	02:07:19
1	Ni 231.604†	-6.0	13.3	-0.0033	mg/L	-0.0033	mg/L	02:07:19
1	P 214.914†	-189.9	-515.3	-0.0709	mg/L	-0.0709	mg/L	02:07:19
1	Pb 220.353†	1034.3	881.7	0.0065	mg/L	0.0065	mg/L	02:07:19
1	Sb 206.836†	79.4	35.3	-0.0105	mg/L	-0.0105	mg/L	02:07:19
1	Se 196.026†	-38.9	-35.4	0.0017	mg/L	0.0017	mg/L	02:07:19
1	Sn 189.927†	-591.6	-540.4	0.1328	mg/L	0.1328	mg/L	02:07:19
1	Ti 337.279†	7299824.8	6632940.5	9.384	mg/L	9.384	mg/L	02:07:06
1	Tl 190.801†	66.4	58.4	-0.0270	mg/L	-0.0270	mg/L	02:07:19
1	V 292.402†	3271.5	3655.5	-0.0036	mg/L	-0.0036	mg/L	02:07:19
1	Zn 213.857†	3058.5	1977.8	0.0202	mg/L	0.0202	mg/L	02:07:19
2	B 249.677†	-16.7	-19.3	-0.0086	mg/L	-0.0086	mg/L	02:06:57
2	Fe 234.349†	115890.9	105237.9	90.03	mg/L	90.03	mg/L	02:06:47
2	K 766.490†	249.2	57.5	0.2282	mg/L	0.2282	mg/L	02:06:57
2	Li 670.784†	-99.9	84.7	0.0032	mg/L	0.0032	mg/L	02:06:57
2	Na 589.592†	237.2	64.8	0.1119	mg/L	0.1119	mg/L	02:06:57
2	Sr 407.771†	28204.7	25479.6	0.0272	mg/L	0.0272	mg/L	02:06:47
2	Y 371.029	2727897.7	2727897.7	1.10	mg/L			02:07:26

2	Ag 328.068†	495.6	-934.2	-0.0025 mg/L	-0.0025 mg/L	02:07:28
2	Al 237.313†	2036185.5	1849039.8	238.7 mg/L	238.7 mg/L	02:07:26
2	As 188.979†	-9.7	-11.8	0.0248 mg/L	0.0248 mg/L	02:07:39
2	B 182.528†	14.1	10.2	0.0252 mg/L	0.0252 mg/L	02:07:39
2	Ba 233.527†	235.1	267.9	0.0018 mg/L	0.0018 mg/L	02:07:39
2	Be 313.107†	-12.9	504.1	0.0001 mg/L	0.0001 mg/L	02:07:28
2	Ca 315.887†	25527064.1	23179123.1	218.3 mg/L	218.3 mg/L	02:07:23
2	Cd 228.802†	102.0	29.8	0.0011 mg/L	0.0011 mg/L	02:07:39
2	Co 228.616†	701.0	701.4	-0.0035 mg/L	-0.0035 mg/L	02:07:39
2	Cr 267.716†	846.7	360.5	0.0008 mg/L	0.0008 mg/L	02:07:39
2	Cu 324.752†	446.8	-827.5	-0.0006 mg/L	-0.0006 mg/L	02:07:39
2	Fe 238.204†	10053267.4	9128486.0	77.14 mg/L	77.14 mg/L	02:07:23
2	Mg 279.077†	2875936.8	2611294.6	230.3 mg/L	230.3 mg/L	02:07:26
2	Mn 257.610†	1892.0	549.8	-0.0019 mg/L	-0.0019 mg/L	02:07:28
2	Mo 202.031†	328.6	271.2	-0.0138 mg/L	-0.0138 mg/L	02:07:39
2	Ni 231.604†	4.0	22.4	-0.0030 mg/L	-0.0030 mg/L	02:07:39
2	P 214.914†	-151.1	-479.9	-0.0450 mg/L	-0.0450 mg/L	02:07:39
2	Pb 220.353†	1015.3	863.8	0.0050 mg/L	0.0050 mg/L	02:07:39
2	Sb 206.836†	80.4	36.2	-0.0107 mg/L	-0.0107 mg/L	02:07:39
2	Se 196.026†	-25.8	-23.5	0.0142 mg/L	0.0142 mg/L	02:07:39
2	Sn 189.927†	-612.6	-559.1	0.1346 mg/L	0.1346 mg/L	02:07:39
2	Ti 337.279†	7302629.6	6631447.2	9.382 mg/L	9.382 mg/L	02:07:26
2	Tl 190.801†	63.0	55.2	-0.0304 mg/L	-0.0304 mg/L	02:07:39
2	V 292.402†	3274.3	3656.2	-0.0040 mg/L	-0.0040 mg/L	02:07:39
2	Zn 213.857†	3199.8	2104.4	0.0216 mg/L	0.0216 mg/L	02:07:39

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2727066.9	1.10 mg/L	0.000			0.04%
Ag 328.068†	-942.4	-0.0027 mg/L	0.00021	-0.0027 mg/L	0.00021	7.93%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	1849797.1	238.8 mg/L	0.14	238.8 mg/L	0.14	0.06%
QC value within limits for Al 237.313 Recovery = 95.52%						
As 188.979†	-19.2	0.0150 mg/L	0.01374	0.0150 mg/L	0.01374	91.39%
QC value greater than the upper limit for As 188.979 Recovery = Not calculated						
B 182.528†	8.7	0.0224 mg/L	0.00401	0.0224 mg/L	0.00401	17.92%
QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B 249.677†	-18.3	-0.0080 mg/L	0.00082	-0.0080 mg/L	0.00082	10.21%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	271.8	0.0018 mg/L	0.00008	0.0018 mg/L	0.00008	4.13%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	451.5	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	41.47%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	23245221.4	219.0 mg/L	0.88	219.0 mg/L	0.88	0.40%
QC value within limits for Ca 315.887 Recovery = 87.58%						
Cd 228.802†	31.2	0.0012 mg/L	0.00013	0.0012 mg/L	0.00013	10.81%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	702.1	-0.0035 mg/L	0.00002	-0.0035 mg/L	0.00002	0.60%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	372.3	0.0009 mg/L	0.00018	0.0009 mg/L	0.00018	20.03%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-810.2	-0.0005 mg/L	0.00014	-0.0005 mg/L	0.00014	28.27%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	104027.5	88.99 mg/L	1.468	88.99 mg/L	1.468	1.65%
QC value within limits for Fe 234.349 Recovery = 88.99%						
Fe 238.204†	9156486.9	77.38 mg/L	0.335	77.38 mg/L	0.335	0.43%
QC value less than the lower limit for Fe 238.204 Recovery = 77.38%						
K 766.490†	64.8	0.2321 mg/L	0.00552	0.2321 mg/L	0.00552	2.38%
QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li 670.784†	86.3	0.0032 mg/L	0.00007	0.0032 mg/L	0.00007	2.19%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	2615621.2	230.7 mg/L	0.54	230.7 mg/L	0.54	0.23%
QC value within limits for Mg 279.077 Recovery = 92.26%						
Mn 257.610†	531.8	-0.0019 mg/L	0.00004	-0.0019 mg/L	0.00004	2.33%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	264.7	-0.0139 mg/L	0.00004	-0.0139 mg/L	0.00004	0.29%
QC value less than the lower limit for Mo 202.031 Recovery = Not calculated						
Na 589.592†	71.1	0.1129 mg/L	0.00146	0.1129 mg/L	0.00146	1.30%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	17.9	-0.0031 mg/L	0.00023	-0.0031 mg/L	0.00023	7.33%
QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						

P 214.914†	-497.6	-0.0579 mg/L	0.01834	-0.0579 mg/L	0.01834	31.66%
QC value less than the lower limit for P 214.914 Recovery = Not calculated						
Pb 220.353†	872.7	0.0058 mg/L	0.00105	0.0058 mg/L	0.00105	18.25%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	35.8	-0.0106 mg/L	0.00013	-0.0106 mg/L	0.00013	1.21%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-29.4	0.0080 mg/L	0.00879	0.0080 mg/L	0.00879	110.46%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-549.7	0.1337 mg/L	0.00130	0.1337 mg/L	0.00130	0.97%
QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	25197.4	0.0269 mg/L	0.00042	0.0269 mg/L	0.00042	1.56%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	6632193.9	9.383 mg/L	0.0015	9.383 mg/L	0.0015	0.02%
QC value within limits for Ti 337.279 Recovery = 93.83%						
Tl 190.801†	56.8	-0.0287 mg/L	0.00240	-0.0287 mg/L	0.00240	8.38%
QC value less than the lower limit for Tl 190.801 Recovery = Not calculated						
V 292.402†	3655.8	-0.0038 mg/L	0.00027	-0.0038 mg/L	0.00027	7.19%
QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn 213.857†	2041.1	0.0209 mg/L	0.00096	0.0209 mg/L	0.00096	4.60%
QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

Sequence No.: 148
Sample ID: IFB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 159
Date Collected: 10/7/2012 2:09:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-14.9	-17.6	-0.0082 mg/L		-0.0082 mg/L	02:11:07
1	Fe 234.349†	114761.4	103611.8	88.62 mg/L		88.62 mg/L	02:10:57
1	K 766.490†	219.4	29.4	0.2130 mg/L		0.2130 mg/L	02:11:07
1	Li 670.784†	-99.6	85.5	0.0032 mg/L		0.0032 mg/L	02:11:07
1	Na 589.592†	300.4	120.6	0.1210 mg/L		0.1210 mg/L	02:11:07
1	Sr 407.771†	28221.1	25346.9	0.0270 mg/L		0.0270 mg/L	02:10:57
1	Y 371.029	2743707.3	2743707.3	1.11 mg/L			02:11:29
1	Ag 328.068†	67885.9	59902.9	0.5150 mg/L		0.5150 mg/L	02:11:31
1	Al 237.313†	2127346.2	1920685.6	248.0 mg/L		248.0 mg/L	02:11:29
1	As 188.979†	-32.6	-32.5	-0.0020 mg/L		-0.0020 mg/L	02:11:42
1	B 182.528†	4.2	1.1	0.0075 mg/L		0.0075 mg/L	02:11:42
1	Ba 233.527†	19583.1	17733.9	0.2434 mg/L		0.2434 mg/L	02:11:42
1	Be 313.107†	413712.8	374013.8	0.2233 mg/L		0.2233 mg/L	02:11:29
1	Ca 315.887†	26648728.7	24058194.8	226.6 mg/L		226.6 mg/L	02:11:26
1	Cd 228.802†	13776.7	12374.7	0.4386 mg/L		0.4386 mg/L	02:11:42
1	Co 228.616†	9197.0	8367.9	0.2073 mg/L		0.2073 mg/L	02:11:42
1	Cr 267.716†	23723.0	21008.6	0.2282 mg/L		0.2282 mg/L	02:11:31
1	Cu 324.752†	49111.2	43104.1	0.2394 mg/L		0.2394 mg/L	02:11:31
1	Fe 238.204†	10457544.4	9440865.1	79.78 mg/L		79.78 mg/L	02:11:26
1	Mg 279.077†	3006496.9	2714116.3	239.3 mg/L		239.3 mg/L	02:11:29
1	Mn 257.610†	142862.6	127807.5	0.2232 mg/L		0.2232 mg/L	02:11:31
1	Mo 202.031†	302.9	246.4	-0.0149 mg/L		-0.0149 mg/L	02:11:42
1	Ni 231.604†	13990.3	12649.2	0.4445 mg/L		0.4445 mg/L	02:11:42
1	P 214.914†	-125.4	-455.9	-0.0382 mg/L		-0.0382 mg/L	02:11:42
1	Pb 220.353†	6409.6	5728.4	0.4215 mg/L		0.4215 mg/L	02:11:42
1	Sb 206.836†	87.3	42.0	-0.0050 mg/L		-0.0050 mg/L	02:11:42
1	Se 196.026†	-39.4	-35.6	0.0018 mg/L		0.0018 mg/L	02:11:42
1	Sn 189.927†	-608.3	-552.0	0.1322 mg/L		0.1322 mg/L	02:11:42
1	Ti 337.279†	17869.2	16591.4	0.0214 mg/L		0.0214 mg/L	02:11:31
1	Tl 190.801†	58.3	50.6	-0.0208 mg/L		-0.0208 mg/L	02:11:42
1	V 292.402†	43582.0	40028.7	0.2333 mg/L		0.2333 mg/L	02:11:31
1	Zn 213.857†	52520.0	46613.7	0.4972 mg/L		0.4972 mg/L	02:11:31
2	B 249.677†	-11.9	-15.0	-0.0067 mg/L		-0.0067 mg/L	02:11:19
2	Fe 234.349†	113914.8	103680.7	88.68 mg/L		88.68 mg/L	02:11:09
2	K 766.490†	236.2	46.2	0.2221 mg/L		0.2221 mg/L	02:11:19
2	Li 670.784†	-101.6	83.0	0.0031 mg/L		0.0031 mg/L	02:11:19
2	Na 589.592†	333.8	153.2	0.1263 mg/L		0.1263 mg/L	02:11:19
2	Sr 407.771†	28062.5	25409.0	0.0271 mg/L		0.0271 mg/L	02:11:09
2	Y 371.029	2721656.0	2721656.0	1.10 mg/L			02:11:49
2	Ag 328.068†	67558.6	60101.5	0.5167 mg/L		0.5167 mg/L	02:11:51

2	Al	237.313†	2106650.4	1917410.9	247.5 mg/L	247.5 mg/L	02:11:49
2	As	188.979†	-39.0	-38.5	-0.0095 mg/L	-0.0095 mg/L	02:12:02
2	B	182.528†	7.7	4.4	0.0139 mg/L	0.0139 mg/L	02:12:02
2	Ba	233.527†	19792.9	18068.1	0.2480 mg/L	0.2480 mg/L	02:12:02
2	Be	313.107†	410380.7	374007.3	0.2233 mg/L	0.2233 mg/L	02:11:49
2	Ca	315.887†	26676026.6	24277963.4	228.7 mg/L	228.7 mg/L	02:11:46
2	Cd	228.802†	13982.9	12663.1	0.4488 mg/L	0.4488 mg/L	02:12:02
2	Co	228.616†	9324.7	8551.4	0.2120 mg/L	0.2120 mg/L	02:12:02
2	Cr	267.716†	23611.9	21081.0	0.2290 mg/L	0.2290 mg/L	02:11:51
2	Cu	324.752†	49008.9	43370.3	0.2409 mg/L	0.2409 mg/L	02:11:51
2	Fe	238.204†	10471471.1	9530032.6	80.54 mg/L	80.54 mg/L	02:11:46
2	Mg	279.077†	2974002.9	2706534.5	238.7 mg/L	238.7 mg/L	02:11:49
2	Mn	257.610†	142403.6	128434.7	0.2243 mg/L	0.2243 mg/L	02:11:51
2	Mo	202.031†	325.9	269.5	-0.0137 mg/L	-0.0137 mg/L	02:12:02
2	Ni	231.604†	14175.8	12920.3	0.4541 mg/L	0.4541 mg/L	02:12:02
2	P	214.914†	-117.6	-449.8	-0.0345 mg/L	-0.0345 mg/L	02:12:02
2	Pb	220.353†	6535.1	5889.5	0.4355 mg/L	0.4355 mg/L	02:12:02
2	Sb	206.836†	82.1	38.0	-0.0084 mg/L	-0.0084 mg/L	02:12:02
2	Se	196.026†	-38.1	-34.7	0.0027 mg/L	0.0027 mg/L	02:12:02
2	Sn	189.927†	-635.1	-580.9	0.1258 mg/L	0.1258 mg/L	02:12:02
2	Ti	337.279†	10677.5	10176.8	0.0123 mg/L	0.0123 mg/L	02:11:51
2	Tl	190.801†	59.7	52.3	-0.0197 mg/L	-0.0197 mg/L	02:12:02
2	V	292.402†	43452.1	40229.3	0.2345 mg/L	0.2345 mg/L	02:11:51
2	Zn	213.857†	52293.2	46791.4	0.4990 mg/L	0.4990 mg/L	02:11:51

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2732681.6	1.10 mg/L	0.006			0.57%
Ag 328.068†	60002.2	0.5158 mg/L	0.00120	0.5158 mg/L	0.00120	0.23%
QC value within limits for Ag 328.068		Recovery = 103.17%				
Al 237.313†	1919048.2	247.7 mg/L	0.30	247.7 mg/L	0.30	0.12%
QC value within limits for Al 237.313		Recovery = 99.10%				
As 188.979†	-35.5	-0.0057 mg/L	0.00528	-0.0057 mg/L	0.00528	92.31%
QC value within limits for As 188.979		Recovery = Not calculated				
B 182.528†	2.8	0.0107 mg/L	0.00448	0.0107 mg/L	0.00448	41.77%
QC value within limits for B 182.528		Recovery = Not calculated				
B 249.677†	-16.3	-0.0074 mg/L	0.00107	-0.0074 mg/L	0.00107	14.42%
QC value within limits for B 249.677		Recovery = Not calculated				
Ba 233.527†	17901.0	0.2457 mg/L	0.00327	0.2457 mg/L	0.00327	1.33%
QC value within limits for Ba 233.527		Recovery = 98.27%				
Be 313.107†	374010.6	0.2233 mg/L	0.00000	0.2233 mg/L	0.00000	0.00%
QC value within limits for Be 313.107		Recovery = 89.30%				
Ca 315.887†	24168079.1	227.7 mg/L	1.46	227.7 mg/L	1.46	0.64%
QC value within limits for Ca 315.887		Recovery = 91.06%				
Cd 228.802†	12518.9	0.4437 mg/L	0.00725	0.4437 mg/L	0.00725	1.63%
QC value within limits for Cd 228.802		Recovery = 88.74%				
Co 228.616†	8459.7	0.2096 mg/L	0.00327	0.2096 mg/L	0.00327	1.56%
QC value within limits for Co 228.616		Recovery = 83.86%				
Cr 267.716†	21044.8	0.2286 mg/L	0.00056	0.2286 mg/L	0.00056	0.25%
QC value within limits for Cr 267.716		Recovery = 91.43%				
Cu 324.752†	43237.2	0.2402 mg/L	0.00105	0.2402 mg/L	0.00105	0.44%
QC value within limits for Cu 324.752		Recovery = 96.06%				
Fe 234.349†	103646.3	88.65 mg/L	0.040	88.65 mg/L	0.040	0.05%
QC value within limits for Fe 234.349		Recovery = 88.65%				
Fe 238.204†	9485448.8	80.16 mg/L	0.533	80.16 mg/L	0.533	0.66%
QC value within limits for Fe 238.204		Recovery = 80.16%				
K 766.490†	37.8	0.2175 mg/L	0.00640	0.2175 mg/L	0.00640	2.94%
QC value within limits for K 766.490		Recovery = Not calculated				
Li 670.784†	84.2	0.0032 mg/L	0.00006	0.0032 mg/L	0.00006	1.77%
QC value within limits for Li 670.784		Recovery = Not calculated				
Mg 279.077†	2710325.4	239.0 mg/L	0.47	239.0 mg/L	0.47	0.20%
QC value within limits for Mg 279.077		Recovery = 95.60%				
Mn 257.610†	128121.1	0.2237 mg/L	0.00078	0.2237 mg/L	0.00078	0.35%
QC value within limits for Mn 257.610		Recovery = 89.49%				
Mo 202.031†	257.9	-0.0143 mg/L	0.00086	-0.0143 mg/L	0.00086	6.00%
QC value within limits for Mo 202.031		Recovery = Not calculated				
Na 589.592†	136.9	0.1237 mg/L	0.00377	0.1237 mg/L	0.00377	3.05%
QC value within limits for Na 589.592		Recovery = Not calculated				
Ni 231.604†	12784.7	0.4493 mg/L	0.00680	0.4493 mg/L	0.00680	1.51%
QC value within limits for Ni 231.604		Recovery = 89.86%				
P 214.914†	-452.8	-0.0364 mg/L	0.00267	-0.0364 mg/L	0.00267	7.35%

Pb	QC value within limits for P 214.914	Recovery = Not calculated					
220.353†	5809.0	0.4285 mg/L	0.00991	0.4285 mg/L	0.00991	2.31%	
Sb	QC value within limits for Pb 220.353	Recovery = 85.71%					
206.836†	40.0	-0.0067 mg/L	0.00245	-0.0067 mg/L	0.00245	36.56%	
Se	QC value within limits for Sb 206.836	Recovery = Not calculated					
196.026†	-35.2	0.0022 mg/L	0.00064	0.0022 mg/L	0.00064	28.81%	
Sn	QC value within limits for Se 196.026	Recovery = Not calculated					
189.927†	-566.4	0.1290 mg/L	0.00449	0.1290 mg/L	0.00449	3.48%	
Sr	QC value greater than the upper limit for Sn 189.927	Recovery = Not calculated					
407.771†	25377.9	0.0271 mg/L	0.00005	0.0271 mg/L	0.00005	0.17%	
Ti	QC value within limits for Sr 407.771	Recovery = Not calculated					
337.279†	13384.1	0.0169 mg/L	0.00642	0.0169 mg/L	0.00642	38.02%	
Tl	QC value within limits for Ti 337.279	Recovery = Not calculated					
190.801†	51.5	-0.0203 mg/L	0.00081	-0.0203 mg/L	0.00081	3.98%	
V	QC value within limits for Tl 190.801	Recovery = Not calculated					
292.402†	40129.0	0.2339 mg/L	0.00090	0.2339 mg/L	0.00090	0.38%	
Zn	QC value within limits for V 292.402	Recovery = 93.57%					
213.857†	46702.5	0.4981 mg/L	0.00131	0.4981 mg/L	0.00131	0.26%	
		QC value within limits for Zn 213.857	Recovery = 99.62%				
		QC Failed.					Continue with analysis.

Sequence No.: 149
Sample ID: WASH
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 129
Date Collected: 10/7/2012 2:13:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-3.1	-5.3	-0.0004 mg/L	-0.0004 mg/L	02:15:38
1	Fe 234.349†	18.6	12.2	0.0290 mg/L	0.0290 mg/L	02:15:38
1	K 766.490†	190.3	-102.7	0.1420 mg/L	0.1420 mg/L	02:15:27
1	Li 670.784†	-349.4	54.2	0.0023 mg/L	0.0023 mg/L	02:15:27
1	Na 589.592†	-185.5	-215.0	0.0661 mg/L	0.0661 mg/L	02:15:27
1	Sr 407.771†	185.2	-66.7	0.0004 mg/L	0.0004 mg/L	02:15:27
1	Y 371.029	7137906.8	7137906.8	2.88 mg/L		02:16:02
1	Ag 328.068†	1287.6	-937.4	-0.0095 mg/L	-0.0095 mg/L	02:16:04
1	Al 237.313†	-65.2	104.9	0.0057 mg/L	0.0057 mg/L	02:16:14
1	As 188.979†	-3.2	-4.1	-0.0035 mg/L	-0.0035 mg/L	02:16:14
1	B 182.528†	-1.4	-3.1	-0.0007 mg/L	-0.0007 mg/L	02:16:14
1	Ba 233.527†	-50.5	36.9	-0.0014 mg/L	-0.0014 mg/L	02:16:14
1	Be 313.107†	-400.8	376.8	0.0001 mg/L	0.0001 mg/L	02:16:04
1	Ca 315.887†	2231.3	622.6	-0.0104 mg/L	-0.0104 mg/L	02:16:04
1	Cd 228.802†	73.7	-37.2	-0.0013 mg/L	-0.0013 mg/L	02:16:14
1	Co 228.616†	-77.0	38.2	-0.0018 mg/L	-0.0018 mg/L	02:16:14
1	Cr 267.716†	346.8	-288.0	-0.0064 mg/L	-0.0064 mg/L	02:16:14
1	Cu 324.752†	1166.1	-828.6	-0.0080 mg/L	-0.0080 mg/L	02:16:04
1	Fe 238.204†	804.1	122.3	-0.0107 mg/L	-0.0107 mg/L	02:16:14
1	Mg 279.077†	235.4	-53.2	-0.0425 mg/L	-0.0425 mg/L	02:16:04
1	Mn 257.610†	356.4	-1044.5	-0.0047 mg/L	-0.0047 mg/L	02:16:14
1	Mo 202.031†	44.2	-11.8	-0.0009 mg/L	-0.0009 mg/L	02:16:14
1	Ni 231.604†	-7.1	16.3	-0.0032 mg/L	-0.0032 mg/L	02:16:14
1	P 214.914†	401.6	-203.3	-0.0930 mg/L	-0.0930 mg/L	02:16:14
1	Pb 220.353†	90.9	-26.6	-0.0062 mg/L	-0.0062 mg/L	02:16:14
1	Sb 206.836†	41.7	-22.3	-0.0200 mg/L	-0.0200 mg/L	02:16:14
1	Se 196.026†	13.9	4.7	0.0031 mg/L	0.0031 mg/L	02:16:14
1	Sn 189.927†	-1.9	-3.5	-0.0034 mg/L	-0.0034 mg/L	02:16:14
1	Ti 337.279†	621.5	674.8	-0.0011 mg/L	-0.0011 mg/L	02:16:04
1	Tl 190.801†	-3.8	-3.3	-0.0068 mg/L	-0.0068 mg/L	02:16:14
1	V 292.402†	-622.7	467.0	0.0007 mg/L	0.0007 mg/L	02:16:04
1	Zn 213.857†	1212.2	-380.5	-0.0052 mg/L	-0.0052 mg/L	02:16:14
2	B 249.677†	-4.8	-5.7	-0.0007 mg/L	-0.0007 mg/L	02:15:58
2	Fe 234.349†	8.3	8.5	0.0258 mg/L	0.0258 mg/L	02:15:58
2	K 766.490†	181.0	-109.0	0.1386 mg/L	0.1386 mg/L	02:15:48
2	Li 670.784†	-373.8	52.1	0.0022 mg/L	0.0022 mg/L	02:15:48
2	Na 589.592†	-238.3	-229.2	0.0638 mg/L	0.0638 mg/L	02:15:48
2	Sr 407.771†	189.0	-68.6	0.0004 mg/L	0.0004 mg/L	02:15:48
2	Y 371.029	7505986.9	7505986.9	3.03 mg/L		02:16:17
2	Ag 328.068†	1342.0	-941.3	-0.0095 mg/L	-0.0095 mg/L	02:16:19
2	Al 237.313†	-18.4	121.4	0.0079 mg/L	0.0079 mg/L	02:16:29

2	As	188.979†	-2.8	-3.9	-0.0033	mg/L	-0.0033	mg/L	02:16:29
2	B	182.528†	-1.9	-3.3	-0.0010	mg/L	-0.0010	mg/L	02:16:29
2	Ba	233.527†	-58.7	35.0	-0.0014	mg/L	-0.0014	mg/L	02:16:29
2	Be	313.107†	-460.6	363.8	0.0001	mg/L	0.0001	mg/L	02:16:19
2	Ca	315.887†	2734.8	750.7	-0.0091	mg/L	-0.0091	mg/L	02:16:19
2	Cd	228.802†	81.1	-36.1	-0.0013	mg/L	-0.0013	mg/L	02:16:29
2	Co	228.616†	-64.8	43.5	-0.0016	mg/L	-0.0016	mg/L	02:16:29
2	Cr	267.716†	381.6	-282.4	-0.0063	mg/L	-0.0063	mg/L	02:16:29
2	Cu	324.752†	1213.2	-832.9	-0.0080	mg/L	-0.0080	mg/L	02:16:19
2	Fe	238.204†	966.0	162.1	-0.0103	mg/L	-0.0103	mg/L	02:16:29
2	Mg	279.077†	301.2	-35.5	-0.0409	mg/L	-0.0409	mg/L	02:16:19
2	Mn	257.610†	370.9	-1045.8	-0.0047	mg/L	-0.0047	mg/L	02:16:29
2	Mo	202.031†	46.6	-11.7	-0.0009	mg/L	-0.0009	mg/L	02:16:29
2	Ni	231.604†	1.3	19.2	-0.0031	mg/L	-0.0031	mg/L	02:16:29
2	P	214.914†	414.5	-205.9	-0.0945	mg/L	-0.0945	mg/L	02:16:29
2	Pb	220.353†	111.0	-21.5	-0.0057	mg/L	-0.0057	mg/L	02:16:29
2	Sb	206.836†	37.6	-24.4	-0.0217	mg/L	-0.0217	mg/L	02:16:29
2	Se	196.026†	5.8	1.9	0.0003	mg/L	0.0003	mg/L	02:16:29
2	Sn	189.927†	-6.0	-4.8	-0.0037	mg/L	-0.0037	mg/L	02:16:29
2	Ti	337.279†	437.8	603.6	-0.0012	mg/L	-0.0012	mg/L	02:16:19
2	Tl	190.801†	-1.8	-2.6	-0.0063	mg/L	-0.0063	mg/L	02:16:29
2	V	292.402†	-581.6	491.1	0.0009	mg/L	0.0009	mg/L	02:16:19
2	Zn	213.857†	1277.2	-379.7	-0.0051	mg/L	-0.0051	mg/L	02:16:29

Mean Data: WASH

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	7321946.9	2.96 mg/L	0.105			3.55%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 295.6%						
Ag 328.068†	-939.4	-0.0095 mg/L	0.00002	-0.0095 mg/L	0.00002	0.25%
Al 237.313†	113.1	0.0068 mg/L	0.00151	0.0068 mg/L	0.00151	22.24%
As 188.979†	-4.0	-0.0034 mg/L	0.00015	-0.0034 mg/L	0.00015	4.35%
B 182.528†	-3.2	-0.0009 mg/L	0.00019	-0.0009 mg/L	0.00019	21.69%
B 249.677†	-5.5	-0.0006 mg/L	0.00020	-0.0006 mg/L	0.00020	34.77%
Ba 233.527†	36.0	-0.0014 mg/L	0.00002	-0.0014 mg/L	0.00002	1.29%
Be 313.107†	370.3	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	9.41%
Ca 315.887†	686.6	-0.0097 mg/L	0.00085	-0.0097 mg/L	0.00085	8.77%
Cd 228.802†	-36.7	-0.0013 mg/L	0.00003	-0.0013 mg/L	0.00003	2.21%
Co 228.616†	40.8	-0.0017 mg/L	0.00009	-0.0017 mg/L	0.00009	5.55%
Cr 267.716†	-285.2	-0.0063 mg/L	0.00004	-0.0063 mg/L	0.00004	0.68%
Cu 324.752†	-830.7	-0.0080 mg/L	0.00002	-0.0080 mg/L	0.00002	0.21%
Fe 234.349†	10.4	0.0274 mg/L	0.00226	0.0274 mg/L	0.00226	8.26%
Fe 238.204†	142.2	-0.0105 mg/L	0.00024	-0.0105 mg/L	0.00024	2.26%
K 766.490†	-105.8	0.1403 mg/L	0.00240	0.1403 mg/L	0.00240	1.71%
Li 670.784†	53.2	0.0022 mg/L	0.00005	0.0022 mg/L	0.00005	2.08%
Mg 279.077†	-44.4	-0.0417 mg/L	0.00111	-0.0417 mg/L	0.00111	2.65%
Mn 257.610†	-1045.2	-0.0047 mg/L	0.00000	-0.0047 mg/L	0.00000	0.03%
Mo 202.031†	-11.8	-0.0009 mg/L	0.00000	-0.0009 mg/L	0.00000	0.23%
Na 589.592†	-222.1	0.0650 mg/L	0.00165	0.0650 mg/L	0.00165	2.54%
Ni 231.604†	17.8	-0.0032 mg/L	0.00007	-0.0032 mg/L	0.00007	2.32%
P 214.914†	-204.6	-0.0937 mg/L	0.00109	-0.0937 mg/L	0.00109	1.16%
Pb 220.353†	-24.0	-0.0060 mg/L	0.00031	-0.0060 mg/L	0.00031	5.22%
Sb 206.836†	-23.3	-0.0208 mg/L	0.00123	-0.0208 mg/L	0.00123	5.90%
Se 196.026†	3.3	0.0017 mg/L	0.00199	0.0017 mg/L	0.00199	116.56%
Sn 189.927†	-4.2	-0.0036 mg/L	0.00022	-0.0036 mg/L	0.00022	6.16%
Sr 407.771†	-67.6	0.0004 mg/L	0.00000	0.0004 mg/L	0.00000	0.37%
Ti 337.279†	639.2	-0.0012 mg/L	0.00007	-0.0012 mg/L	0.00007	6.19%
Tl 190.801†	-3.0	-0.0065 mg/L	0.00037	-0.0065 mg/L	0.00037	5.63%
V 292.402†	479.1	0.0008 mg/L	0.00011	0.0008 mg/L	0.00011	13.29%
Zn 213.857†	-380.1	-0.0052 mg/L	0.00001	-0.0052 mg/L	0.00001	0.11%
Internal Standard Check failed. Continue with analysis.						

Lead Logbooks

HOLDING TIME SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SSSWB01	10/03/12 10:50	10/04/12 13:30	10/05/12 14:02	2.13	180.00	10/06/12 21:40	3.45	180.00	
SSSWS01	10/03/12 10:53	10/04/12 13:30	10/05/12 14:02	2.13	180.00	10/06/12 21:53	3.46	180.00	
SSSWW01	10/03/12 10:56	10/04/12 13:30	10/05/12 14:02	2.13	180.00	10/06/12 21:57	3.46	180.00	
SSSWN01	10/03/12 11:00	10/04/12 13:30	10/05/12 14:02	2.13	180.00	10/06/12 22:01	3.46	180.00	
SSSWE01	10/03/12 11:04	10/04/12 13:30	10/05/12 14:02	2.12	180.00	10/06/12 22:05	3.46	180.00	
SSNW2B01	10/03/12 11:15	10/04/12 13:30	10/05/12 14:02	2.12	180.00	10/06/12 22:09	3.45	180.00	
SSNW2W01	10/03/12 11:18	10/04/12 13:30	10/05/12 14:02	2.11	180.00	10/06/12 22:13	3.46	180.00	
SSNW2N01	10/03/12 11:21	10/04/12 13:30	10/05/12 14:02	2.11	180.00	10/06/12 22:18	3.46	180.00	
SSNW2E01	10/03/12 11:25	10/04/12 13:30	10/05/12 14:02	2.11	180.00	10/06/12 22:22	3.46	180.00	
SSNW2S01	10/03/12 11:29	10/04/12 13:30	10/05/12 14:02	2.11	180.00	10/06/12 22:26	3.46	180.00	
SSNW1B01	10/03/12 11:38	10/04/12 13:30	10/05/12 14:02	2.10	180.00	10/06/12 22:30	3.45	180.00	
SSNW1S01	10/03/12 11:42	10/04/12 13:30	10/05/12 14:02	2.10	180.00	10/06/12 22:42	3.46	180.00	
SSNW1W01	10/03/12 11:46	10/04/12 13:30	10/05/12 14:02	2.09	180.00	10/06/12 22:47	3.46	180.00	
SSNW1N01	10/03/12 11:51	10/04/12 13:30	10/05/12 14:02	2.09	180.00	10/06/12 22:51	3.46	180.00	
SSNW1E01	10/03/12 11:55	10/04/12 13:30	10/05/12 14:02	2.09	180.00	10/06/12 22:55	3.46	180.00	

BCHTable

LabNumber	Des	SxName	Analysis	Prepared	Prepa	Initial	Final	St	Su	Source	SpikeID1
1210124-01	C	S-1 0-2ft b	MP: Prep	10/5/2012	KJK	2.06	100	0	0		
1210124-02	C	S-2 0-8ft b	MP: Prep	10/5/2012	KJK	2.24	100	0	0		
1210124-03	C	S-3 0-2ft b	MP: Prep	10/5/2012	KJK	2.5	100	0	0		
1210124-04	C	S-4 0-6ft b	MP: Prep	10/5/2012	KJK	2.05	100	0	0		
1210126-01	B	SSSWB01	MP: Prep	10/5/2012	KJK	3.19	100	0	0		
1210126-02	B	SSSWS01	MP: Prep	10/5/2012	KJK	2.1	100	0	0		
1210126-03	B	SSSWW01	MP: Prep	10/5/2012	KJK	3.17	100	0	0		
1210126-04	B	SSSWN01	MP: Prep	10/5/2012	KJK	2.26	100	0	0		
1210126-05	B	SSSWE01	MP: Prep	10/5/2012	KJK	2.33	100	0	0		
1210126-06	B	SSNW2B0	MP: Prep	10/5/2012	KJK	2.42	100	0	0		
1210126-07	B	SSNW2W0	MP: Prep	10/5/2012	KJK	2.35	100	0	0		
1210126-08	B	SSNW2N0	MP: Prep	10/5/2012	KJK	2.5	100	0	0		
1210126-09	B	SSNW2E0	MP: Prep	10/5/2012	KJK	2	100	0	0		
1210126-10	B	SSNW2S0	MP: Prep	10/5/2012	KJK	2.21	100	0	0		
1210126-11	B	SSNW1B0	MP: Prep	10/5/2012	KJK	2.03	100	0	0		
1210126-12	B	SSNW1S0	MP: Prep	10/5/2012	KJK	2.24	100	0	0		
1210126-13	B	SSNW1W0	MP: Prep	10/5/2012	KJK	2.12	100	0	0		
1210126-14	B	SSNW1N0	MP: Prep	10/5/2012	KJK	2.09	100	0	0		
1210126-15	B	SSNW1E0	MP: Prep	10/5/2012	KJK	2.26	100	0	0		
1210136-01	D	SS-7	MP: Prep	10/5/2012	KJK	2.05	100	0	0		
CJ20516-BLK1	-	Blank	-	10/5/2012	KJK	2	100	0	0		
CJ20516-BS1	-	LCS	-	10/5/2012	KJK	0.53	100	0	0		2107064
CJ20516-BSD1	-	LCS Dup	-	10/5/2012	KJK	0.52	100	0	0		2107064
CJ20516-DUP1	-	Duplicate	-	10/5/2012	KJK	2.09	100	0	0	1210124-04	
CJ20516-DUP2	-	Duplicate	-	10/5/2012	KJK	2.14	100	0	0	1210136-01	
CJ20516-MS1	-	Matrix Spike	-	10/5/2012	KJK	2.21	100	0	0	1210124-0	2G17050
CJ20516-MS2	-	Matrix Spike	-	10/5/2012	KJK	2.16	100	0	0	1210136-0	2G17050

PAH Data Package

PAH Sample Data

ESS Laboratory

SDG: 1210126
CLASS: MSSVOA
METHOD: 8270C

ANALYSES DATA PACKAGE COVER PAGE

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Client Sample Id:

Lab Sample Id:

SSSWB01

1210126-01

SSSWS01

1210126-02

SSSWW01

1210126-03

SSSWN01

1210126-04

SSSWE01

1210126-05

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Instrument: SVOAMS5

Analyte	MDL	MRL	Units
2-Methylnaphthalene	0.072	0.333	mg/kg
Acenaphthene	0.081	0.333	mg/kg
Acenaphthylene	0.064	0.333	mg/kg
Anthracene	0.053	0.333	mg/kg
Benzo(a)anthracene	0.058	0.333	mg/kg
Benzo(a)pyrene	0.055	0.167	mg/kg
Benzo(b)fluoranthene	0.074	0.333	mg/kg
Benzo(g,h,i)perylene	0.072	0.333	mg/kg
Benzo(k)fluoranthene	0.097	0.333	mg/kg
Chrysene	0.055	0.167	mg/kg
Dibenzo(a,h)Anthracene	0.051	0.167	mg/kg
Fluoranthene	0.058	0.333	mg/kg
Fluorene	0.085	0.333	mg/kg
Indeno(1,2,3-cd)Pyrene	0.108	0.333	mg/kg
Naphthalene	0.076	0.333	mg/kg
Phenanthrene	0.083	0.333	mg/kg
Pyrene	0.077	0.333	mg/kg

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWB01

Laboratory:	<u>ESS Laboratory</u>	SDG:	<u>1210126</u>
Client:	<u>AMEC Environmental and Infrastructure</u>	Project:	<u>Gorham Parcel C-1 Cap</u>
Matrix:	<u>Soil</u>	Laboratory ID:	<u>1210126-01</u>
		File ID:	<u>SV5002955.D</u>
Sampled:	<u>10/03/12 10:50</u>	Prepared:	<u>10/06/12 09:45</u>
		Analyzed:	<u>10/11/12 00:32</u>
Solids:	<u>94.00</u>	Preparation:	<u>3546</u>
		Initial/Final:	<u>15.3 g / 0.5 ml</u>
Batch:	<u>CJ20519</u>	Sequence:	<u>CVI0098</u>
		Calibration:	<u>1210012</u>
		Instrument:	<u>SVOAMS5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.347	U
83-32-9	Acenaphthene	1	0.347	U
208-96-8	Acenaphthylene	1	0.371	
120-12-7	Anthracene	1	0.347	U
56-55-3	Benzo(a)anthracene	1	0.626	
50-32-8	Benzo(a)pyrene	1	0.621	
205-99-2	Benzo(b)fluoranthene	1	1.06	
191-24-2	Benzo(g,h,i)perylene	1	0.616	
207-08-9	Benzo(k)fluoranthene	1	0.404	
218-01-9	Chrysene	1	0.780	
53-70-3	Dibenzo(a,h)Anthracene	1	0.256	
206-44-0	Fluoranthene	1	1.60	
86-73-7	Fluorene	1	0.347	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.541	
91-20-3	Naphthalene	1	0.347	U
85-01-8	Phenanthrene	1	0.726	
129-00-0	Pyrene	1	1.19	

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.477	2.65	76	30 - 130	
2-Fluorobiphenyl	3.477	3.01	87	30 - 130	
Nitrobenzene-d5	3.477	2.92	84	30 - 130	
p-Terphenyl-d14	3.477	3.06	88	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	613925	6.357	526936	6.351	
Naphthalene-d8	2549952	8.569	2349266	8.569	
Acenaphthene-d10	1752818	11.563	1472324	11.563	
Phenanthrene-d10	3203825	14.457	3057881	14.457	
Chrysene-d12	3741212	19.997	3334821	19.997	
Perylene-d12	3965945	22.791	3229133	22.791	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWS01

Laboratory:	<u>ESS Laboratory</u>	SDG:	<u>1210126</u>
Client:	<u>AMEC Environmental and Infrastructure</u>	Project:	<u>Gorham Parcel C-1 Cap</u>
Matrix:	<u>Soil</u>	Laboratory ID:	<u>1210126-02</u>
		File ID:	<u>SV5002956.D</u>
Sampled:	<u>10/03/12 10:53</u>	Prepared:	<u>10/06/12 09:45</u>
		Analyzed:	<u>10/11/12 01:05</u>
Solids:	<u>94.00</u>	Preparation:	<u>3546</u>
		Initial/Final:	<u>14.6 g / 0.5 ml</u>
Batch:	<u>CJ20519</u>	Sequence:	<u>CVJ0098</u>
		Calibration:	<u>1210012</u>
		Instrument:	<u>SVOAMS5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.364	U
83-32-9	Acenaphthene	1	0.364	U
208-96-8	Acenaphthylene	1	0.364	U
120-12-7	Anthracene	1	0.364	U
56-55-3	Benzo(a)anthracene	1	0.853	
50-32-8	Benzo(a)pyrene	1	0.836	
205-99-2	Benzo(b)fluoranthene	1	1.31	
191-24-2	Benzo(g,h,i)perylene	1	0.810	
207-08-9	Benzo(k)fluoranthene	1	0.422	
218-01-9	Chrysene	1	1.03	
53-70-3	Dibenzo(a,h)Anthracene	1	0.326	
206-44-0	Fluoranthene	1	1.88	
86-73-7	Fluorene	1	0.364	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.661	
91-20-3	Naphthalene	1	0.364	U
85-01-8	Phenanthrene	1	0.896	
129-00-0	Pyrene	1	1.54	

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.643	1.75	48	30 - 130	
2-Fluorobiphenyl	3.643	2.04	56	30 - 130	
Nitrobenzene-d5	3.643	1.82	50	30 - 130	
p-Terphenyl-d14	3.643	2.31	63	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	581494	6.357	526936	6.351	
Naphthalene-d8	2489904	8.569	2349266	8.569	
Acenaphthene-d10	1706651	11.563	1472324	11.563	
Phenanthrene-d10	3063067	14.451	3057881	14.457	
Chrysene-d12	3419552	19.991	3334821	19.997	
Perylene-d12	4085390	22.791	3229133	22.791	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWW01

Laboratory: ESS Laboratory SDG: 1210126
 Client: AMEC Environmental and Infrastructure Project: Gorham Parcel C-1 Cap
 Matrix: Soil Laboratory ID: 1210126-03 File ID: SV5002957.D
 Sampled: 10/03/12 10:56 Prepared: 10/06/12 09:45 Analyzed: 10/11/12 01:38
 Solids: 94.00 Preparation: 3546 Initial/Final: 14.5 g / 0.5 ml
 Batch: CJ20519 Sequence: CVJ0098 Calibration: 1210012 Instrument: SVOAMS5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.366	U
83-32-9	Acenaphthene	1	0.366	U
208-96-8	Acenaphthylene	1	0.366	U
120-12-7	Anthracene	1	0.366	U
56-55-3	Benzo(a)anthracene	1	0.366	U
50-32-8	Benzo(a)pyrene	1	0.255	
205-99-2	Benzo(b)fluoranthene	1	0.366	U
191-24-2	Benzo(g,h,i)perylene	1	0.366	U
207-08-9	Benzo(k)fluoranthene	1	0.366	U
218-01-9	Chrysene	1	0.303	
53-70-3	Dibenzo(a,h)Anthracene	1	0.184	U
206-44-0	Fluoranthene	1	0.563	
86-73-7	Fluorene	1	0.366	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.366	U
91-20-3	Naphthalene	1	0.366	U
85-01-8	Phenanthrene	1	0.366	U
129-00-0	Pyrene	1	0.450	

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.668	2.02	55	30 - 130	
2-Fluorobiphenyl	3.668	2.24	61	30 - 130	
Nitrobenzene-d5	3.668	2.08	57	30 - 130	
p-Terphenyl-d14	3.668	2.45	67	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	653066	6.357	526936	6.351	
Naphthalene-d8	2902923	8.569	2349266	8.569	
Acenaphthene-d10	1964277	11.562	1472324	11.563	
Phenanthrene-d10	3520299	14.451	3057881	14.457	
Chrysene-d12	3940844	19.991	3334821	19.997	
Perylene-d12	4520305	22.785	3229133	22.791	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWN01

Laboratory: ESS Laboratory SDG: 1210126
 Client: AMEC Environmental and Infrastructure Project: Gorham Parcel C-1 Cap
 Matrix: Soil Laboratory ID: 1210126-04 File ID: SV5002958.D
 Sampled: 10/03/12 11:00 Prepared: 10/06/12 09:45 Analyzed: 10/11/12 02:11
 Solids: 94.00 Preparation: 3546 Initial/Final: 15.3 g / 0.5 ml
 Batch: CJ20519 Sequence: CVJ0098 Calibration: 1210012 Instrument: SVOAMS5

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.347	U
83-32-9	Acenaphthene	1	0.347	U
208-96-8	Acenaphthylene	1	0.347	U
120-12-7	Anthracene	1	0.347	U
56-55-3	Benzo(a)anthracene	1	0.434	
50-32-8	Benzo(a)pyrene	1	0.442	
205-99-2	Benzo(b)fluoranthene	1	0.661	
191-24-2	Benzo(g,h,i)perylene	1	0.401	
207-08-9	Benzo(k)fluoranthene	1	0.347	U
218-01-9	Chrysene	1	0.515	
53-70-3	Dibenzo(a,h)Anthracene	1	0.174	U
206-44-0	Fluoranthene	1	1.01	
86-73-7	Fluorene	1	0.347	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.347	U
91-20-3	Naphthalene	1	0.347	U
85-01-8	Phenanthrene	1	0.601	
129-00-0	Pyrene	1	0.807	

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.477	1.87	54	30 - 130	
2-Fluorobiphenyl	3.477	2.19	63	30 - 130	
Nitrobenzene-d5	3.477	1.97	57	30 - 130	
p-Terphenyl-d14	3.477	2.64	76	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	497555	6.357	526936	6.351	
Naphthalene-d8	2208307	8.569	2349266	8.569	
Acenaphthene-d10	1586258	11.563	1472324	11.563	
Phenanthrene-d10	2865115	14.451	3057881	14.457	
Chrysene-d12	3353040	19.991	3334821	19.997	
Perylene-d12	3846483	22.791	3229133	22.791	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWE01

Laboratory:	<u>ESS Laboratory</u>	SDG:	<u>1210126</u>
Client:	<u>AMEC Environmental and Infrastructure</u>	Project:	<u>Gorham Parcel C-1 Cap</u>
Matrix:	<u>Soil</u>	Laboratory ID:	<u>1210126-05</u>
		File ID:	<u>SV5002959.D</u>
Sampled:	<u>10/03/12 11:04</u>	Prepared:	<u>10/06/12 09:45</u>
		Analyzed:	<u>10/11/12 02:44</u>
Solids:	<u>95.00</u>	Preparation:	<u>3546</u>
		Initial/Final:	<u>15.3 g / 0.5 ml</u>
Batch:	<u>CJ20519</u>	Sequence:	<u>CVJ0098</u>
		Calibration:	<u>1210012</u>
		Instrument:	<u>SVOAMS5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.344	U
83-32-9	Acenaphthene	1	0.344	U
208-96-8	Acenaphthylene	1	0.344	U
120-12-7	Anthracene	1	0.344	U
56-55-3	Benzo(a)anthracene	1	0.344	U
50-32-8	Benzo(a)pyrene	1	0.295	
205-99-2	Benzo(b)fluoranthene	1	0.417	
191-24-2	Benzo(g,h,i)perylene	1	0.344	U
207-08-9	Benzo(k)fluoranthene	1	0.344	U
218-01-9	Chrysene	1	0.365	
53-70-3	Dibenzo(a,h)Anthracene	1	0.172	U
206-44-0	Fluoranthene	1	0.703	
86-73-7	Fluorene	1	0.344	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.344	U
91-20-3	Naphthalene	1	0.344	U
85-01-8	Phenanthrene	1	0.363	
129-00-0	Pyrene	1	0.547	

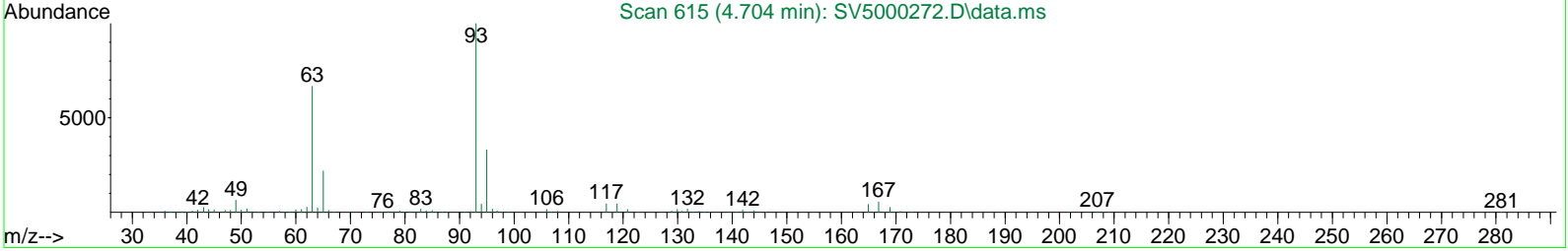
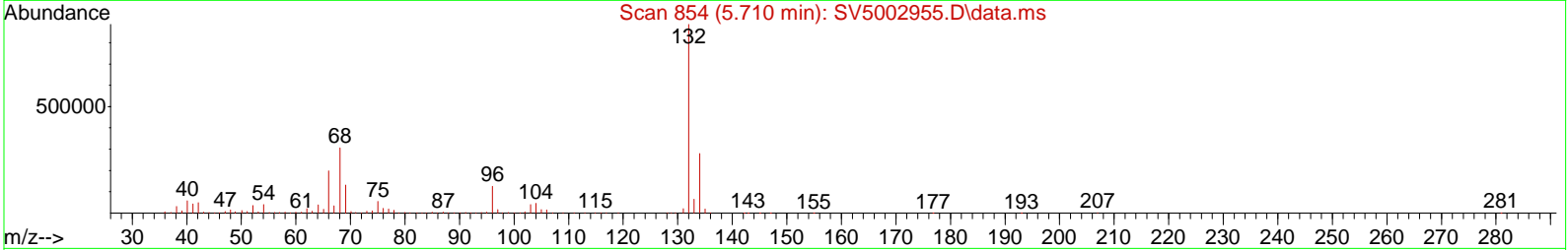
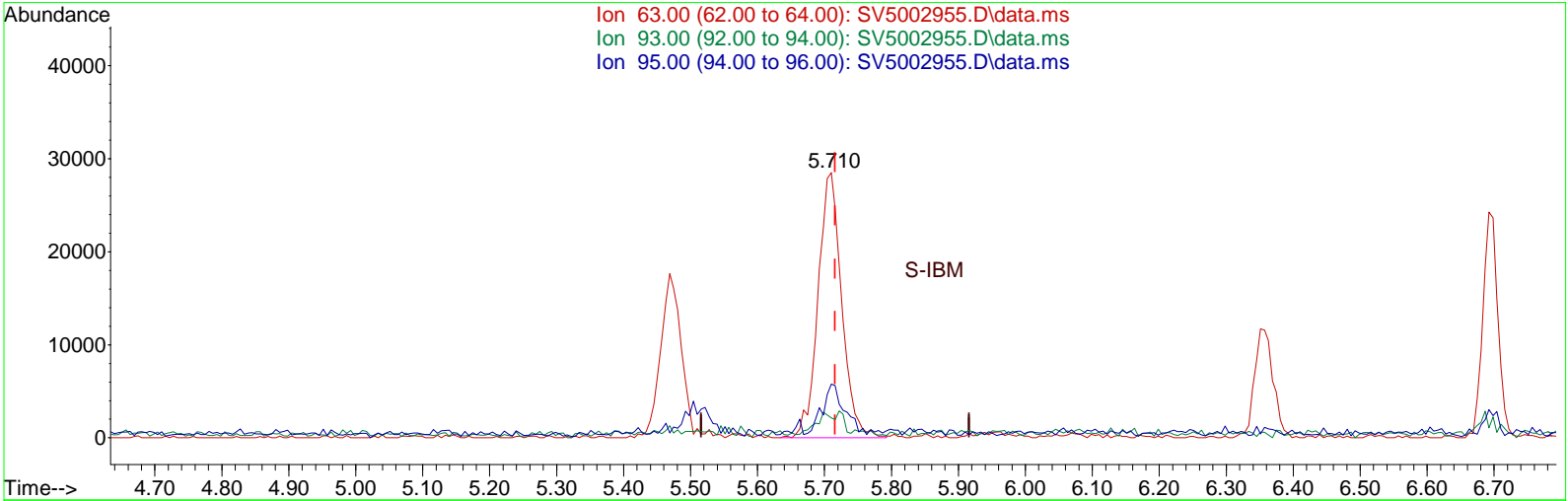
SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.440	1.97	57	30 - 130	
2-Fluorobiphenyl	3.440	2.18	63	30 - 130	
Nitrobenzene-d5	3.440	2.08	61	30 - 130	
p-Terphenyl-d14	3.440	2.18	63	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	516558	6.357	526936	6.351	
Naphthalene-d8	2256769	8.569	2349266	8.569	
Acenaphthene-d10	1547235	11.563	1472324	11.563	
Phenanthrene-d10	2853214	14.451	3057881	14.457	
Chrysene-d12	3352585	19.991	3334821	19.997	
Perylene-d12	3830925	22.791	3229133	22.791	

* Values outside of QC limits

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002955.D
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 Operator : IBM
 Sample : 1210126-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:56:15 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



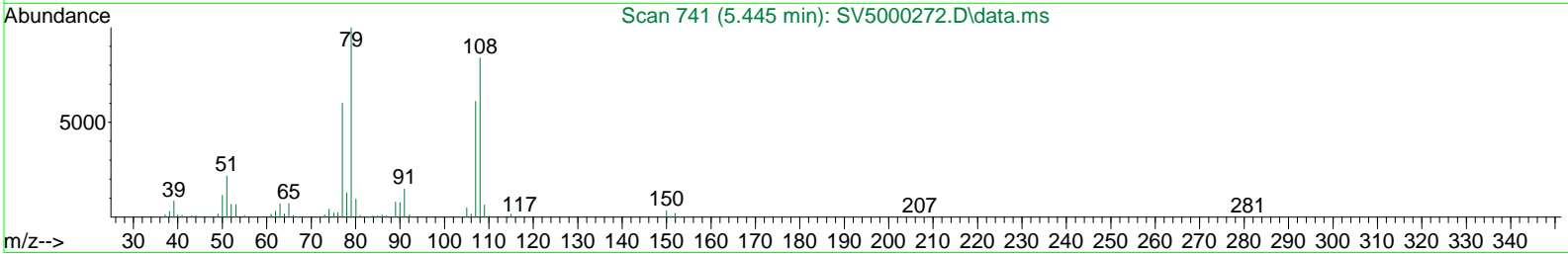
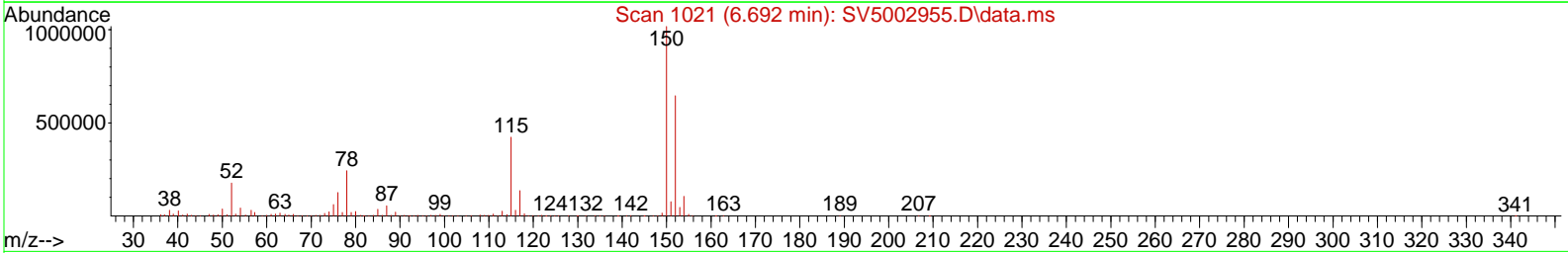
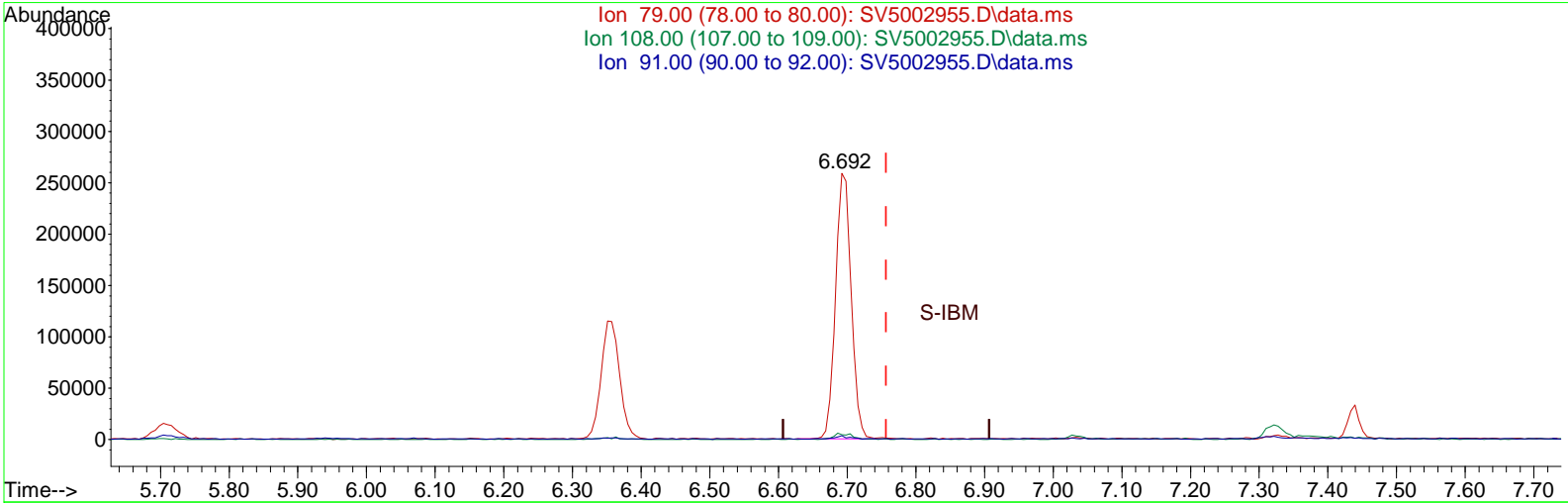
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(6) bis(2-Chloroethyl)ether
 5.710min (-0.006) 5.65 ng/uL
 response 69843

Ion	Exp%	Act%
63.00	100	100
93.00	146.60	14.87#
95.00	57.90	460.22#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002955.D
 Acq On : 11 Oct 2012 12:32 am
 Operator : IBM
 Sample : 1210126-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:56:15 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002955.D\data.ms

(16) Benzyl Alcohol

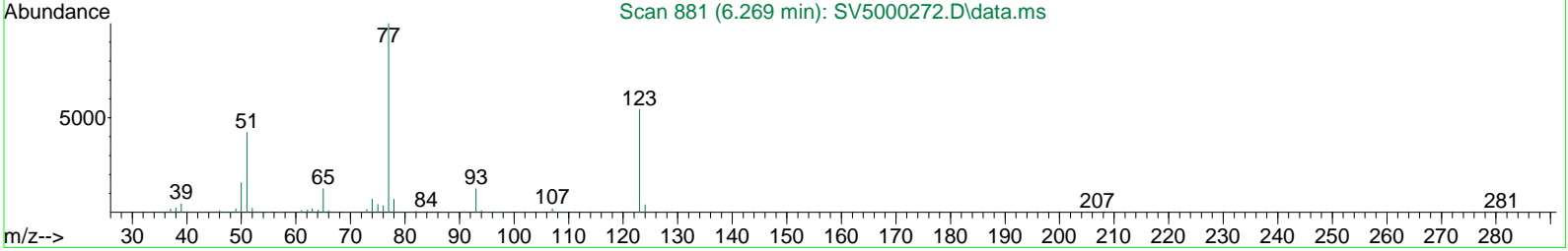
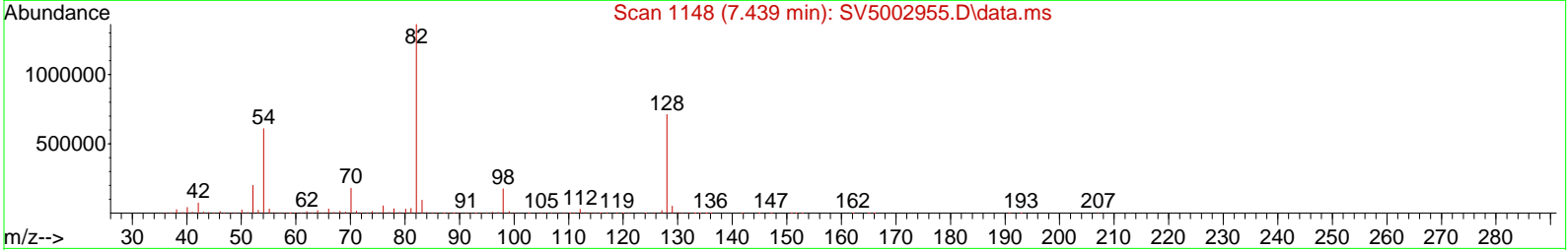
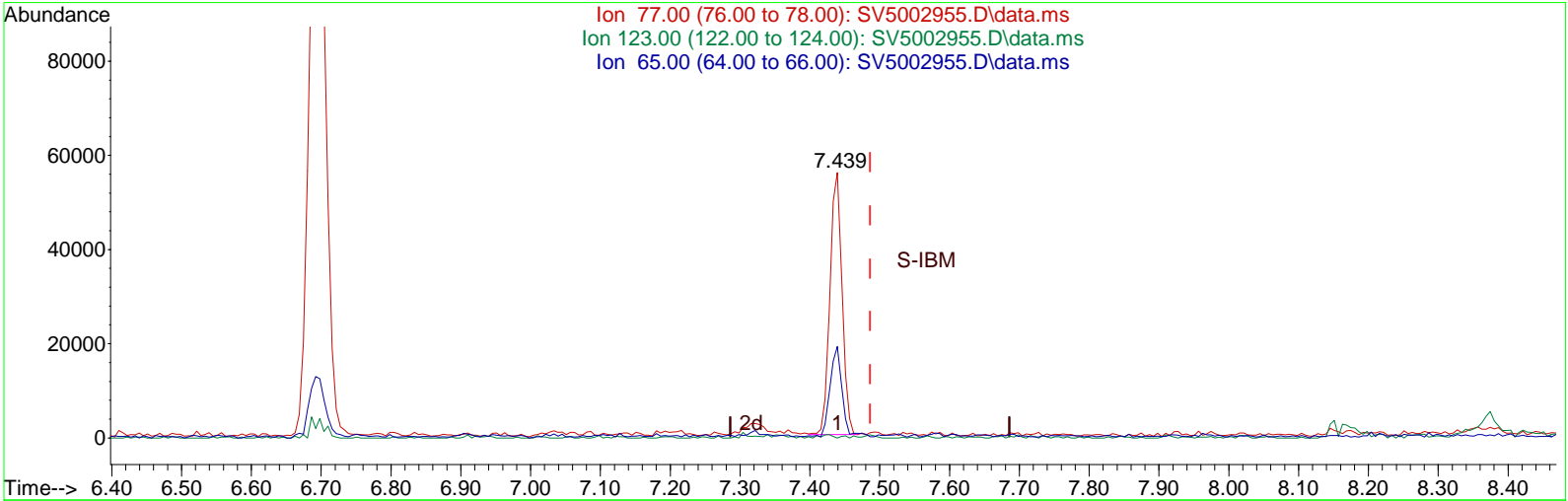
6.692min (-0.065) 24.37 ng/uL

response 408982

Ion	Exp%	Act%
79.00	100	100
108.00	132.20	2.37#
91.00	19.90	1.39
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002955.D
 Acq On : 11 Oct 2012 12:32 am
 Operator : IBM
 Sample : 1210126-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:56:15 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



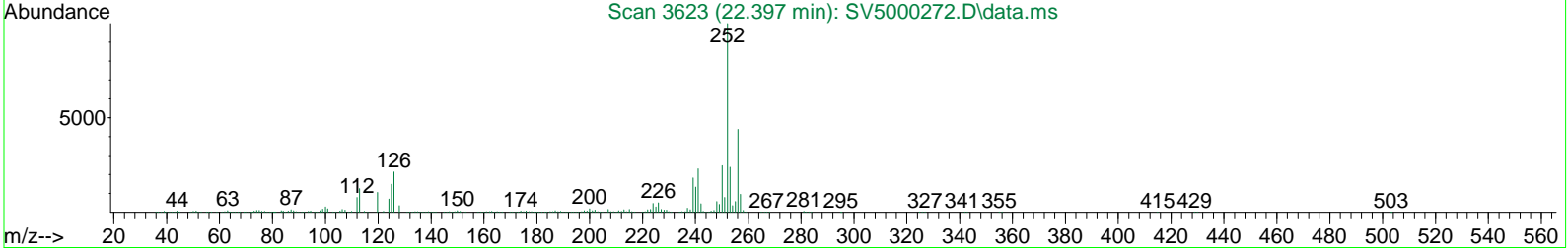
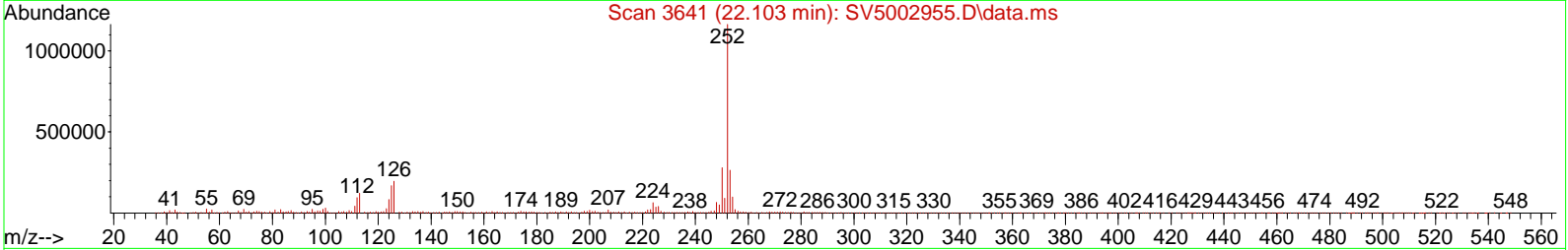
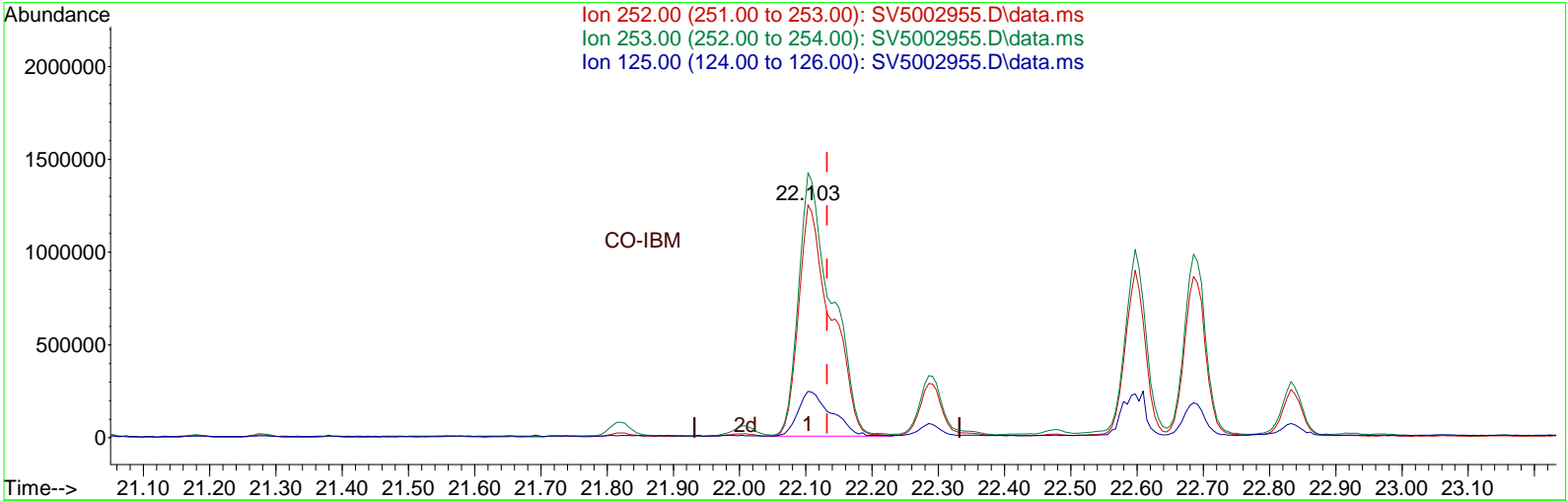
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(25) Nitrobenzene
 7.439min (-0.047) 3.17 ng/uL
 response 67452

Ion	Exp%	Act%
77.00	100	100
123.00	50.60	0.26#
65.00	13.60	54.32#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002955.D
 Acq On : 11 Oct 2012 12:32 am
 Operator : IBM
 Sample : 1210126-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:56:15 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002955.D\data.ms

(89) Benzo(b)fluoranthene

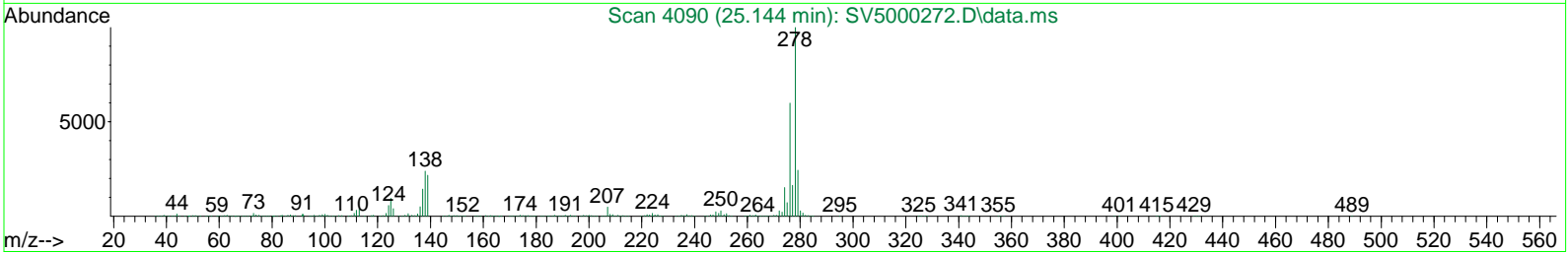
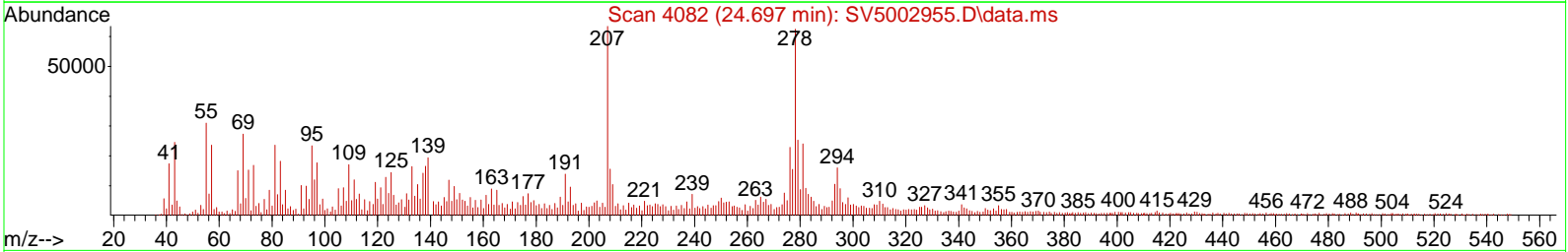
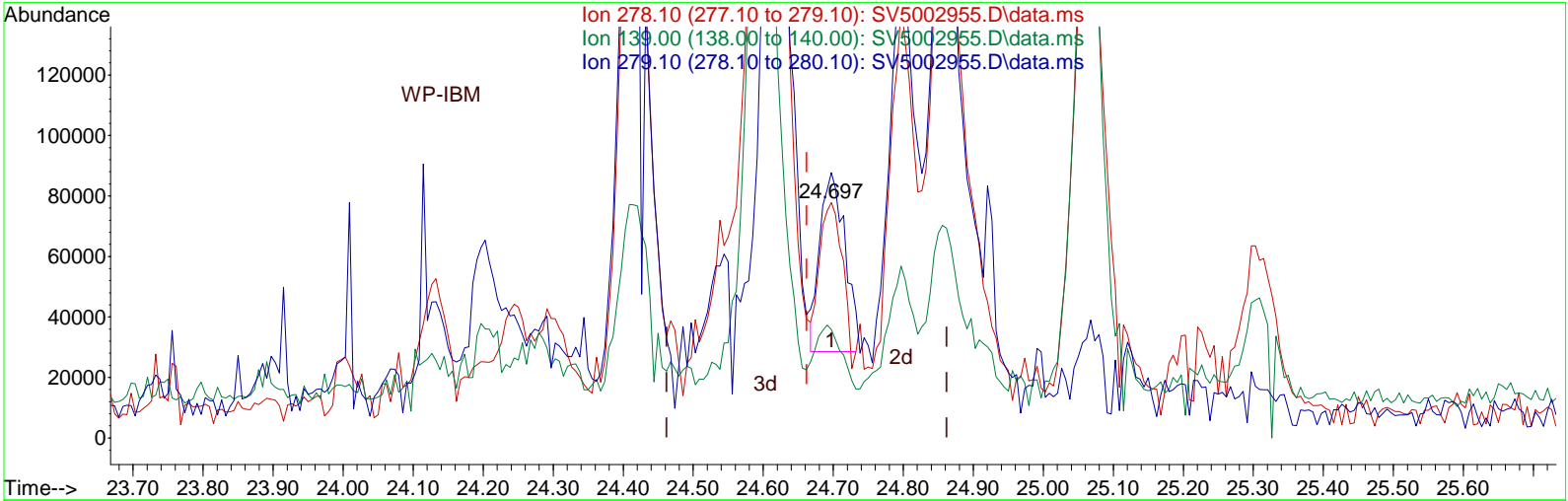
22.103min (-0.029) 38.76 ng/uL

response 4263160

Ion	Exp%	Act%
252.00	100	100
253.00	115.10	113.81
125.00	36.70	35.52
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
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 Acq On : 11 Oct 2012 12:32 am
 Operator : IBM
 Sample : 1210126-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:56:15 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002955.D\data.ms

(93) Dibenzo(a,h)anthracene

24.697min (+0.035) 0.79 ng/uL

response 106120

Ion	Exp%	Act%
278.10	100	100
139.00	26.80	34.74
279.10	92.00	93.47
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002955.D
 Acq On : 11 Oct 2012 12:32 am
 Operator : IBM
 Sample : 1210126-01
 Misc :
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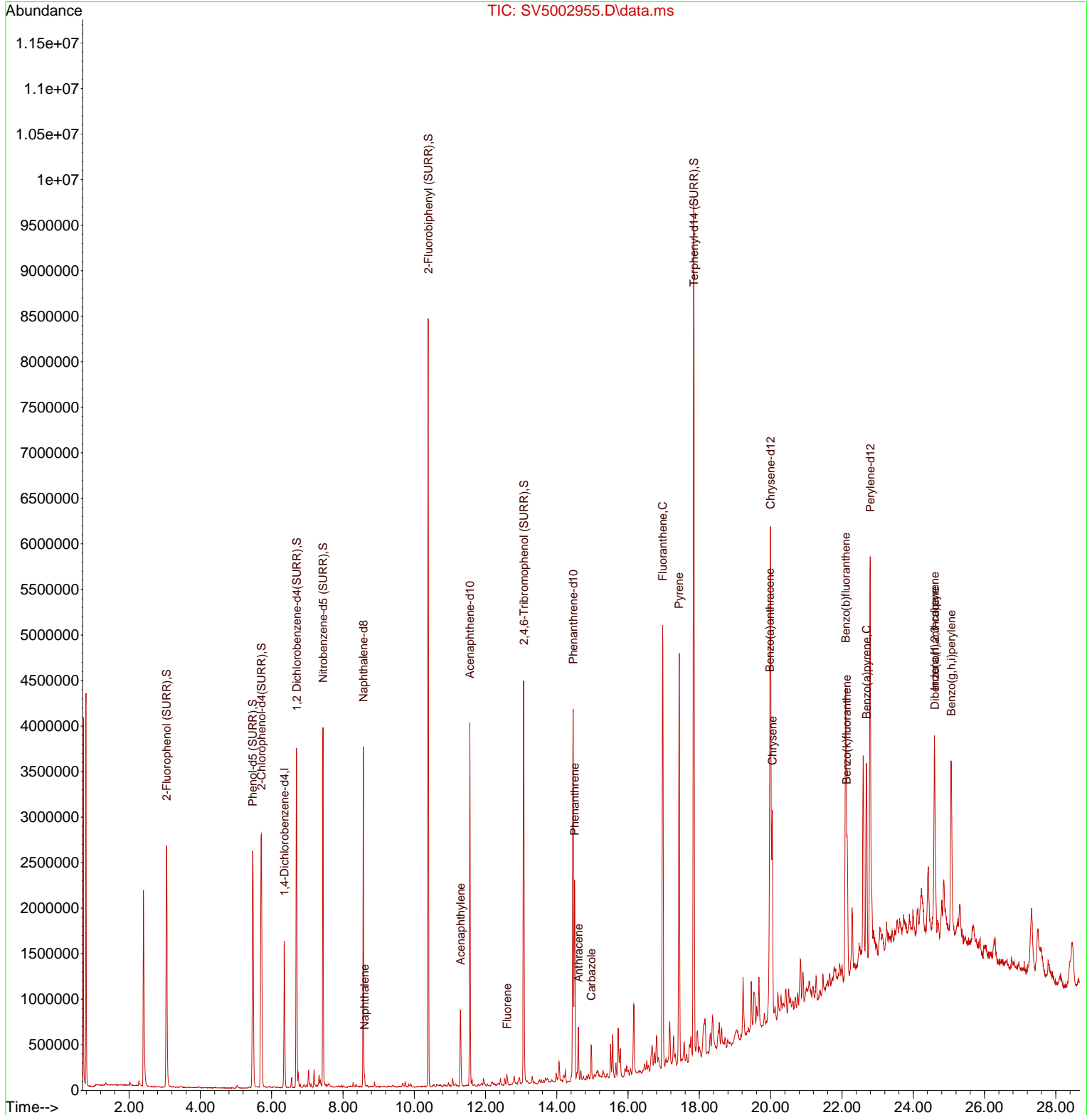
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 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

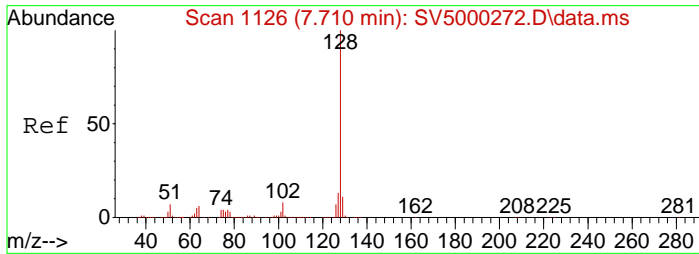
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.357	152	613925	40.00	ng/uL	-0.03	
23) Naphthalene-d8	8.569	136	2549952	40.00	ng/uL	-0.02	
41) Acenaphthene-d10	11.563	164	1752818	40.00	ng/uL	-0.03	
62) Phenanthrene-d10	14.457	188	3203825	40.00	ng/uL	-0.03	
79) Chrysene-d12	19.997	240	3741212	40.00	ng/uL	-0.03	
87) Perylene-d12	22.791	264	3965945	40.00	ng/uL	-0.03	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.051	112	1743900	111.34	ng/uL	-0.02	
Spiked Amount	150.000						Recovery = 74.23%
7) Phenol-d5 (SURR)	5.469	99	2419152	112.75	ng/uL	-0.03	
Spiked Amount	150.000						Recovery = 75.17%
11) 2-Chlorophenol-d4(SURR)	5.710	132	2155384	116.95	ng/uL	-0.03	
Spiked Amount	150.000						Recovery = 77.97%
14) 1,2 Dichlorobenzene-d4...	6.698	152	1165225	76.33	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 76.33%
24) Nitrobenzene-d5 (SURR)	7.439	82	1675856	84.04	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 84.04%
45) 2-Fluorobiphenyl (SURR)	10.392	172	5511326	86.71	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 86.71%
67) 2,4,6-Tribromophenol (...)	13.074	330	971804	140.70	ng/uL	-0.03	
Spiked Amount	150.000						Recovery = 93.80%
81) Terphenyl-d14 (SURR)	17.845	244	7031294	88.02	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 88.02%
Target Compounds							
							Qvalue
33) Naphthalene	8.604	128	100368	1.45	ng/uL		90
49) Acenaphthylene	11.298	152	839677	10.66	ng/uL		99
58) Fluorene	12.598	166	135021	1.38	ng/uL		93
73) Phenanthrene	14.498	178	1785310	20.89	ng/uL		99
74) Anthracene	14.604	178	501476	6.03	ng/uL		95
75) Carbazole	14.962	167	381598	4.28	ng/uL		99
77) Fluoranthene	16.968	202	4376805	46.12	ng/uL		96
80) Pyrene	17.433	202	3923778	34.23	ng/uL		96
84) Benzo(a)anthracene	19.974	228	1851743	18.00	ng/uL		97
85) Chrysene	20.044	228	2240486	22.44	ng/uL		99
89) Benzo(b)fluoranthene	22.103	252	3350459m	30.46	ng/uL		
90) Benzo(k)fluoranthene	22.132	252	1191674m	11.61	ng/uL		
91) Benzo(a)pyrene	22.685	252	1894151	17.87	ng/uL		95
92) Indeno(1,2,3-cd)pyrene	24.597	276	2255548	15.55	ng/uL		94
93) Dibenzo(a,h)anthracene	24.603	278	995433m	7.37	ng/uL		
94) Benzo(g,h,i)perylene	25.062	276	2192131	17.72	ng/uL		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002955.D
 Acq On : 11 Oct 2012 12:32 am
 Operator : IBM
 Sample : 1210126-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1
 InstName : SVOAMS5

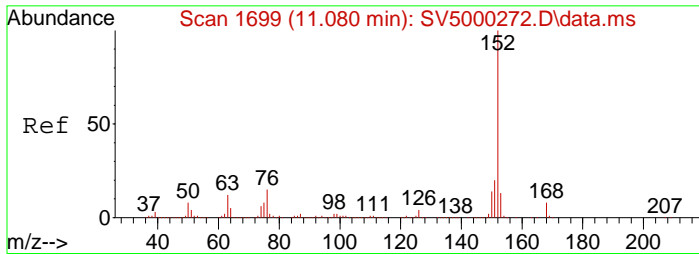
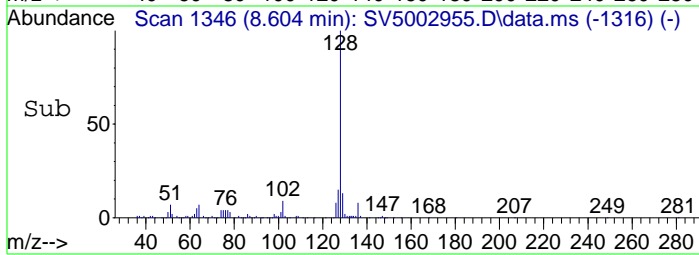
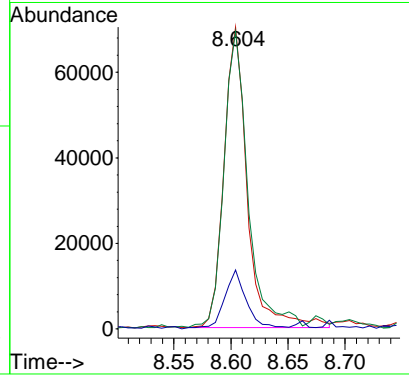
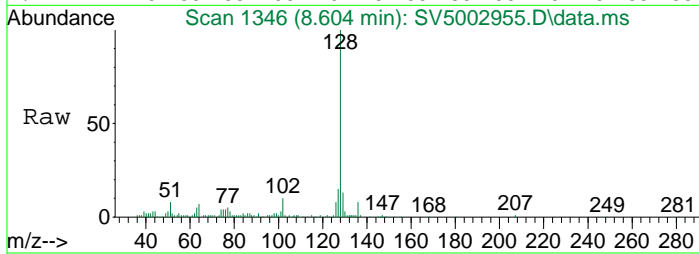
Quant Time: Oct 11 12:58:03 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration





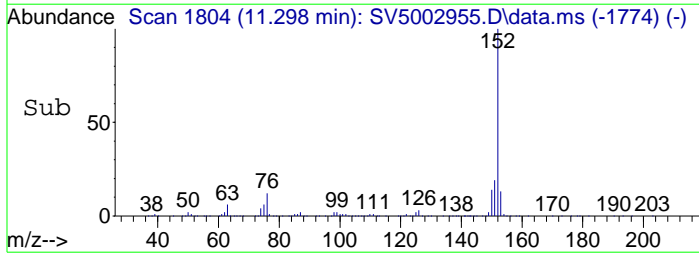
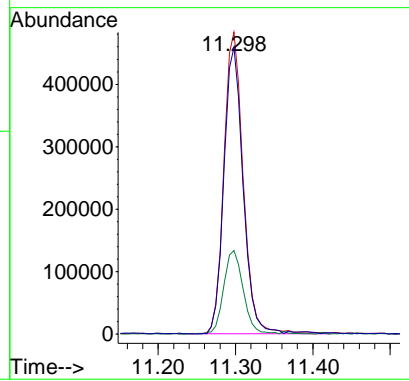
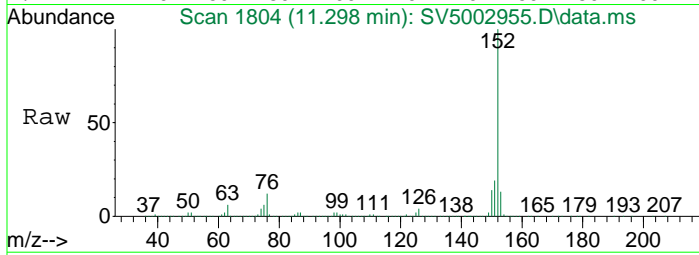
#33
 Naphthalene
 Concen: 1.45 ng/uL
 RT: 8.604 min Scan# 1346
 Delta R.T. -0.023 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

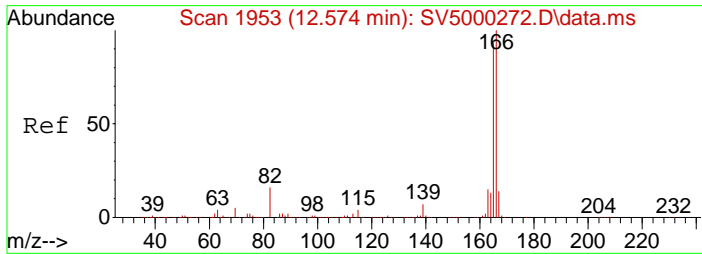
Tgt Ion	Resp	Lower	Upper
128	100368		
129	100.7	60.0	120.0
127	106.6	67.4	127.4



#49
 Acenaphthylene
 Concen: 10.66 ng/uL
 RT: 11.298 min Scan# 1804
 Delta R.T. -0.023 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

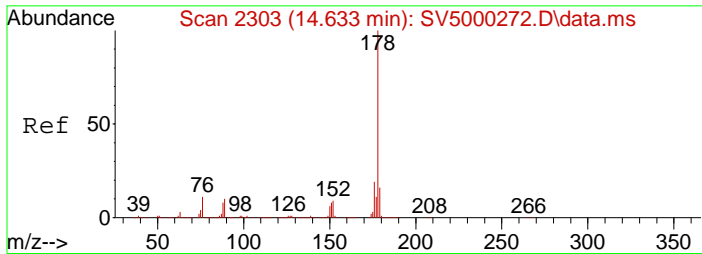
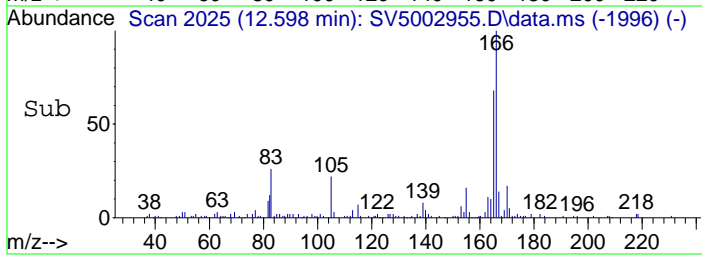
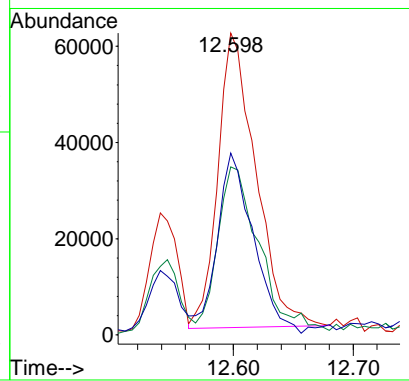
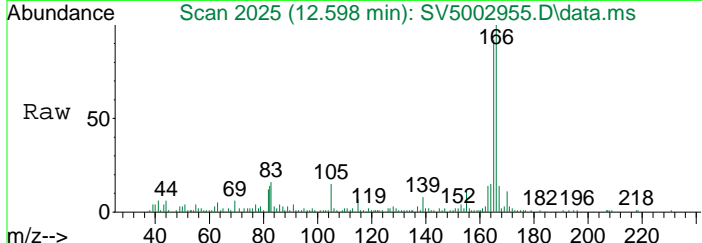
Tgt Ion	Resp	Lower	Upper
152	839677		
151	100.3	71.1	131.1
153	86.1	55.7	115.7





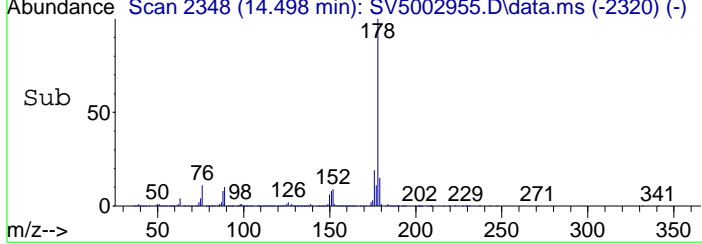
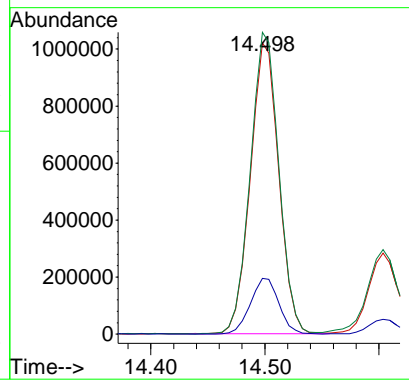
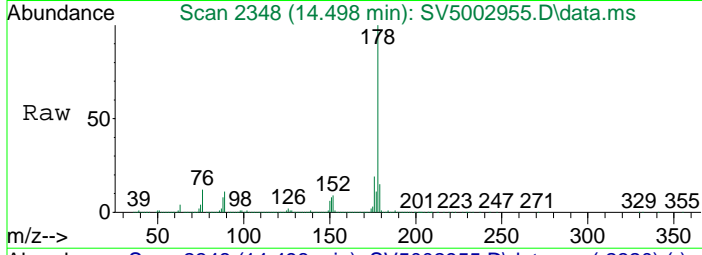
#58
 Fluorene
 Concen: 1.38 ng/uL
 RT: 12.598 min Scan# 2025
 Delta R.T. -0.029 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

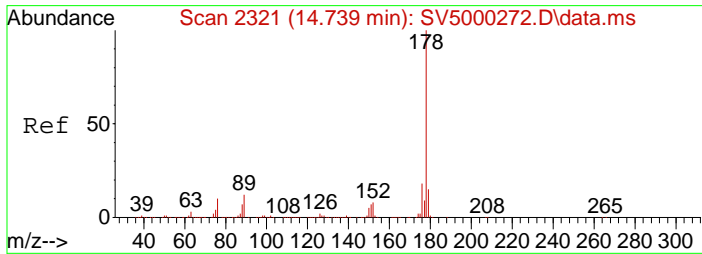
Tgt Ion	Resp	Lower	Upper
166	135021		
165	107.7	70.0	130.0
167	60.2	25.8	85.8



#73
 Phenanthrene
 Concen: 20.89 ng/uL
 RT: 14.498 min Scan# 2348
 Delta R.T. -0.035 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

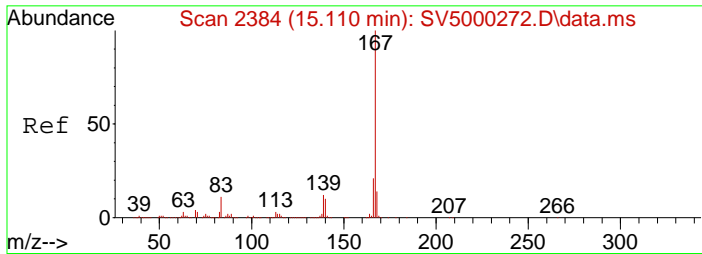
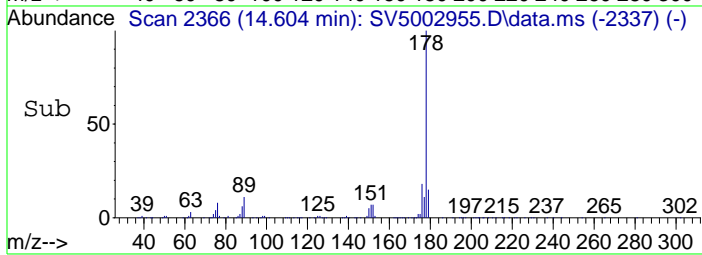
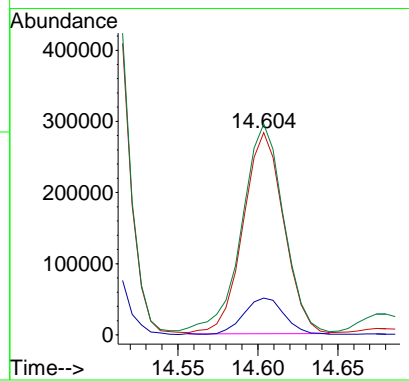
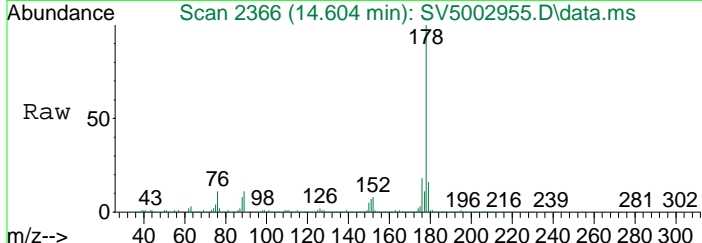
Tgt Ion	Resp	Lower	Upper
178	1785310		
179	92.1	61.3	121.3
176	25.8	0.0	56.2





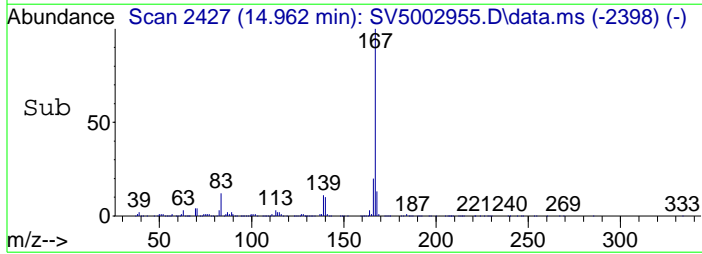
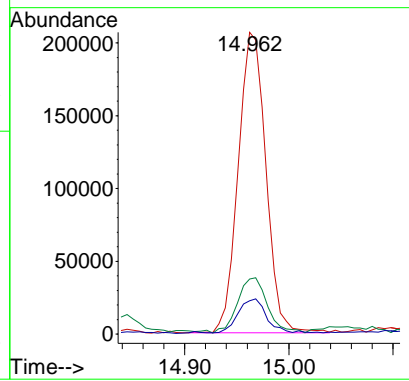
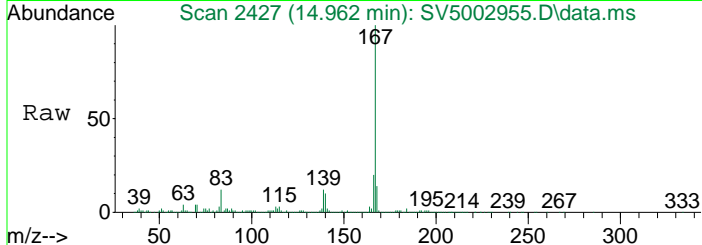
#74
 Anthracene
 Concen: 6.03 ng/uL
 RT: 14.604 min Scan# 2366
 Delta R.T. -0.029 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

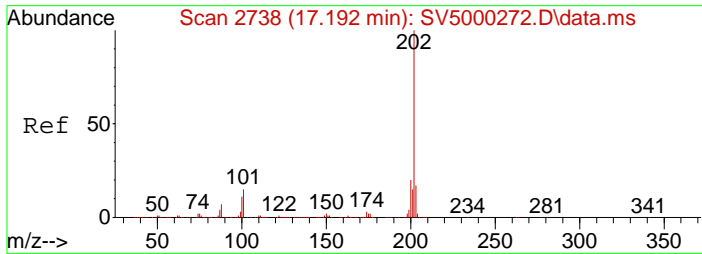
Tgt Ion	Resp	Lower	Upper
178	501476		
179	91.4	63.3	123.3
176	15.9	0.0	54.3



#75
 Carbazole
 Concen: 4.28 ng/ul
 RT: 14.962 min Scan# 2427
 Delta R.T. -0.029 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

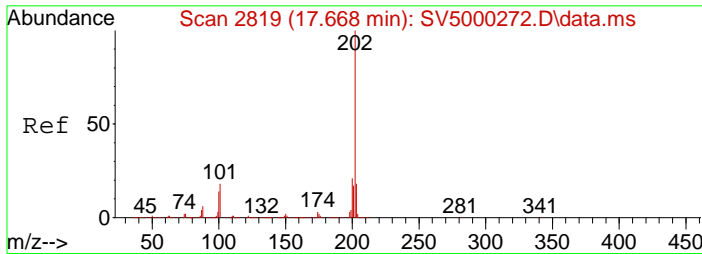
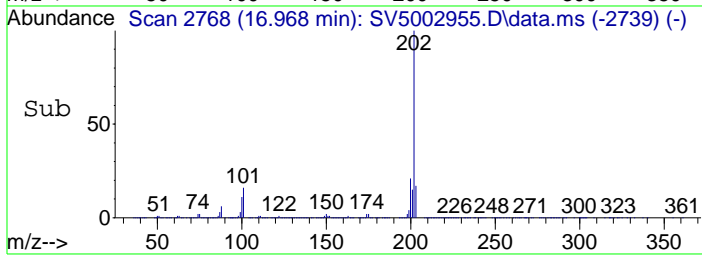
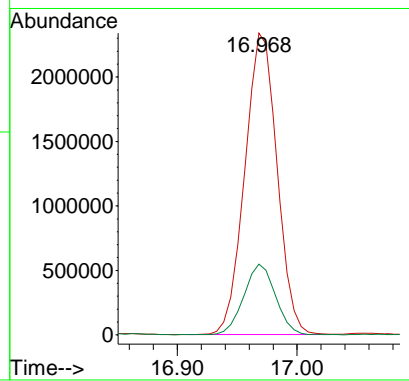
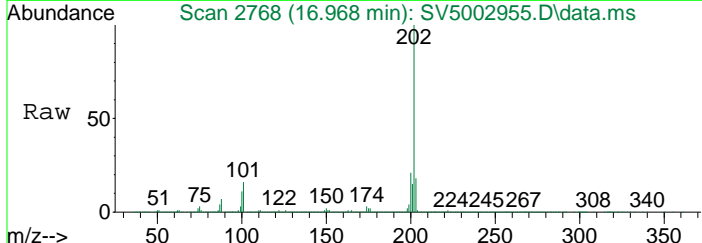
Tgt Ion	Resp	Lower	Upper
167	381598		
166	91.3	60.8	120.8
139	17.2	0.0	47.9





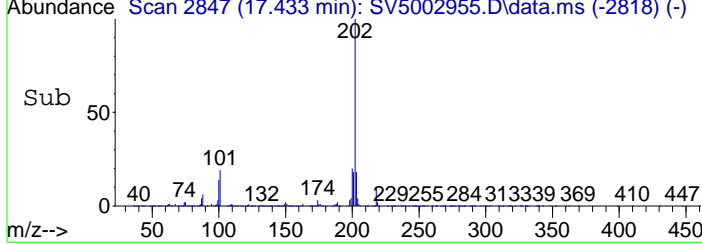
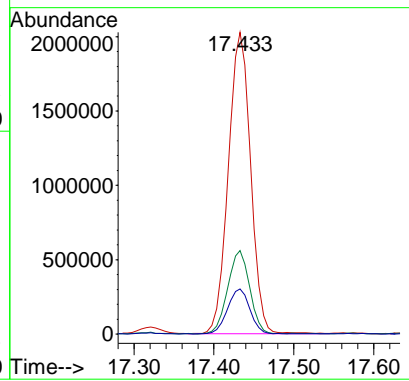
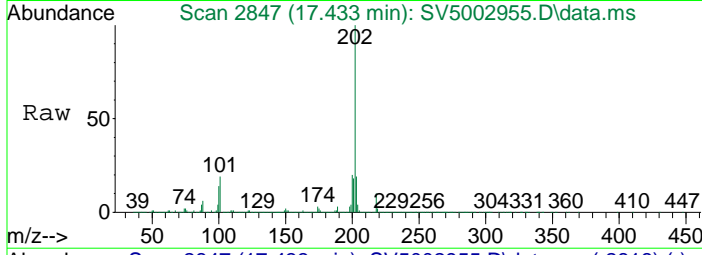
#77
 Fluoranthene
 Concen: 46.12 ng/uL
 RT: 16.968 min Scan# 2768
 Delta R.T. -0.029 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

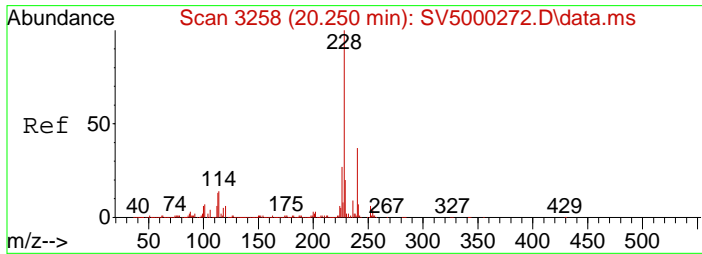
Tgt Ion	Resp	Lower	Upper
202	4376805		
101	20.3	0.0	48.5



#80
 Pyrene
 Concen: 34.23 ng/uL
 RT: 17.433 min Scan# 2847
 Delta R.T. -0.029 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

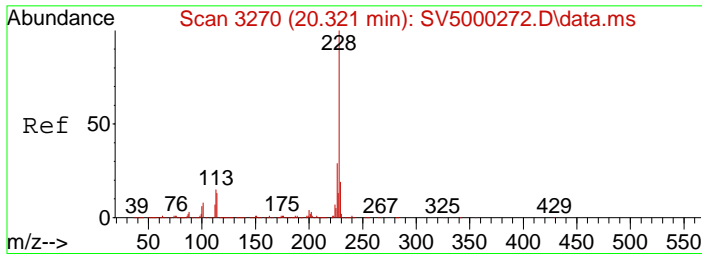
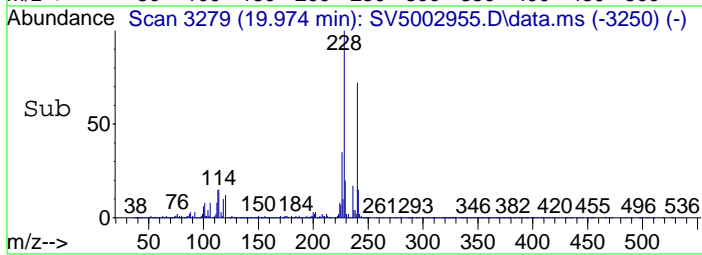
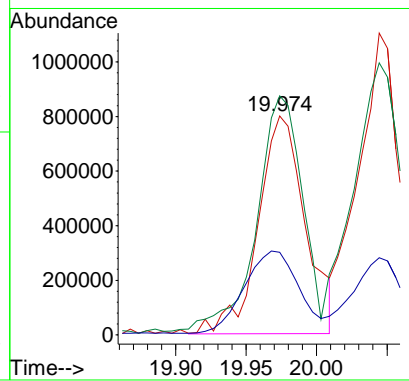
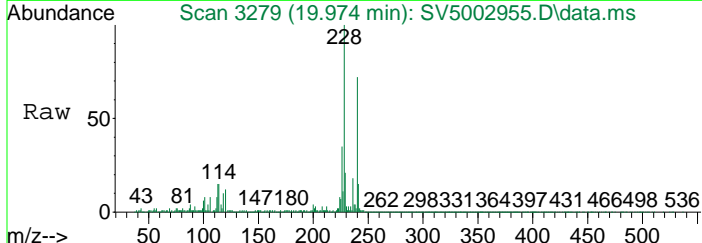
Tgt Ion	Resp	Lower	Upper
202	3923778		
101	23.8	0.0	51.9
100	26.5	0.0	54.2





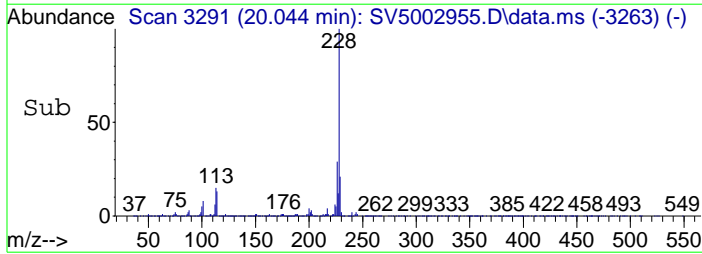
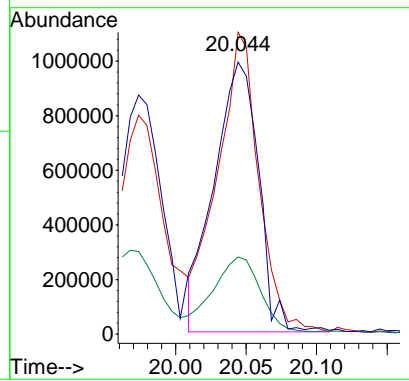
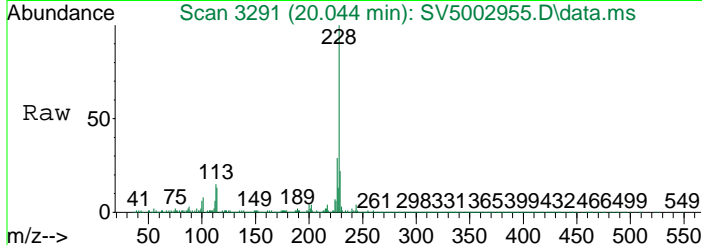
#84
 Benzo(a)anthracene
 Concen: 18.00 ng/uL
 RT: 19.974 min Scan# 3279
 Delta R.T. -0.029 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

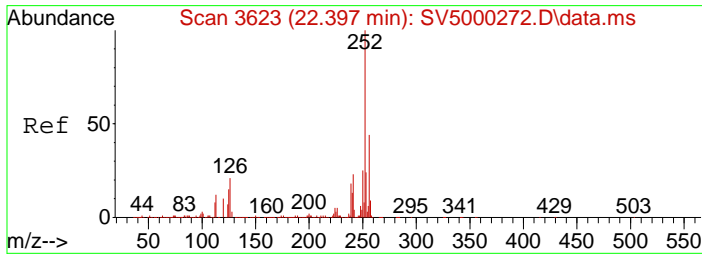
Tgt Ion	Resp	Lower	Upper
228	1851743		
229	94.2	65.1	125.1
226	31.7	0.0	55.7



#85
 Chrysene
 Concen: 22.44 ng/uL
 RT: 20.044 min Scan# 3291
 Delta R.T. -0.035 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

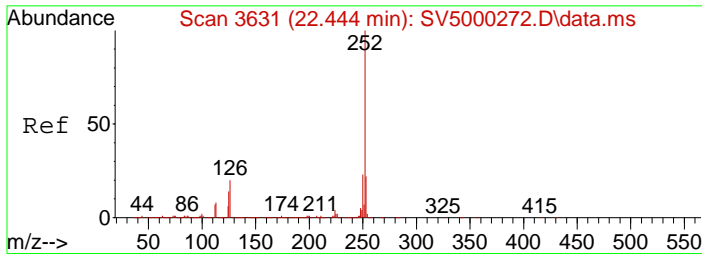
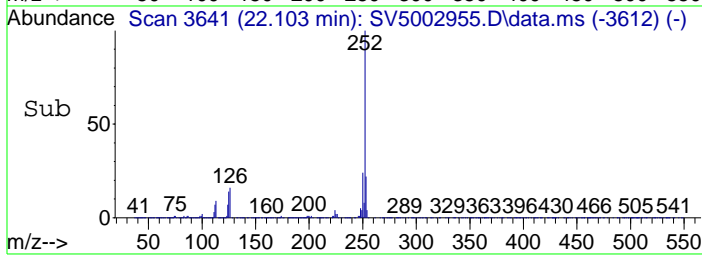
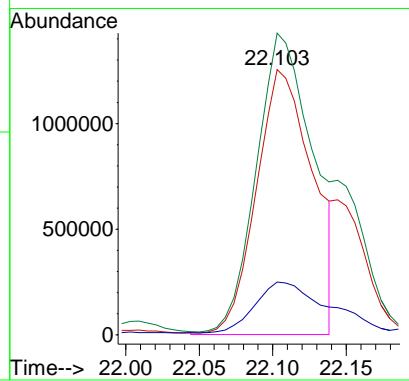
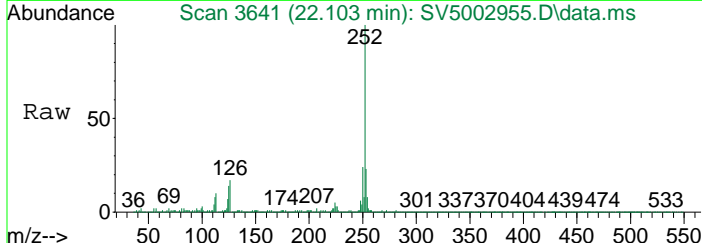
Tgt Ion	Resp	Lower	Upper
228	2240486		
226	25.6	0.0	56.8
229	92.1	61.6	121.6





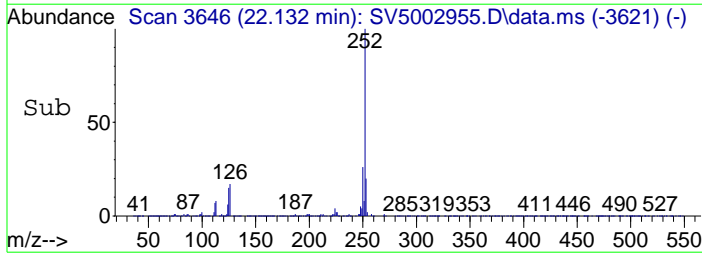
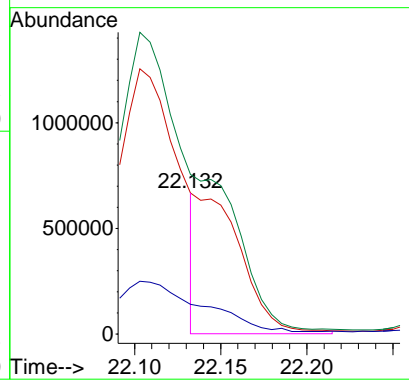
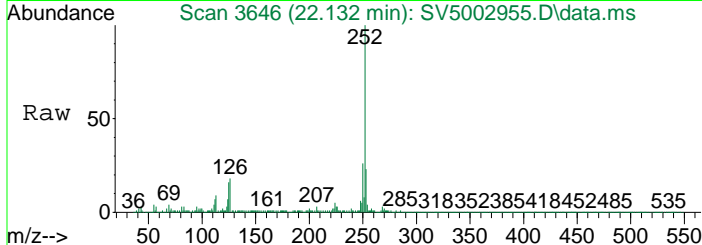
#89
 Benzo(b)fluoranthene
 Concen: 30.46 ng/uL m
 RT: 22.103 min Scan# 3641
 Delta R.T. -0.029 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

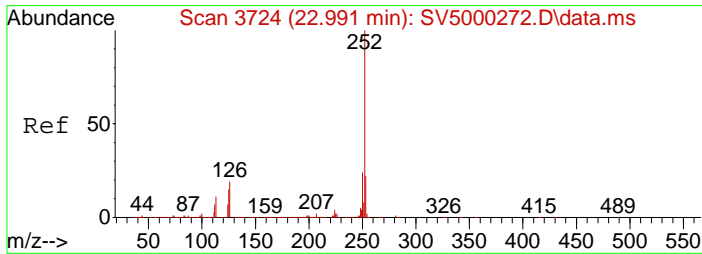
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	85.1	145.1#
125	14.4	6.7	66.7



#90
 Benzo(k)fluoranthene
 Concen: 11.61 ng/uL m
 RT: 22.132 min Scan# 3646
 Delta R.T. -0.053 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

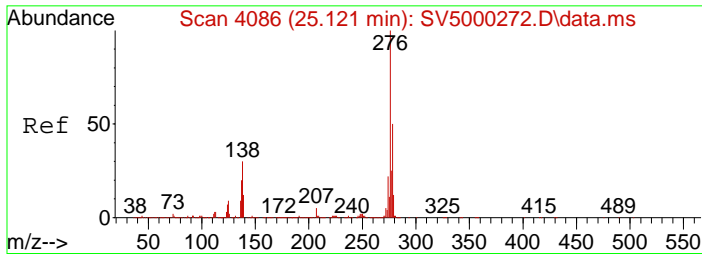
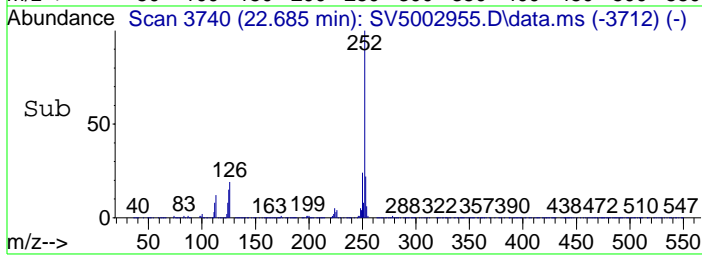
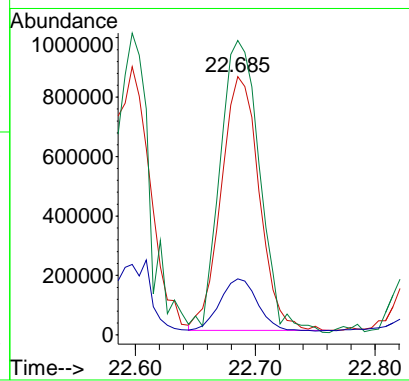
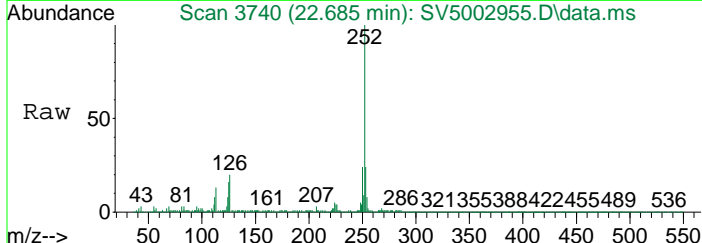
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.8	83.8	143.8#
125	15.8	2.9	62.9





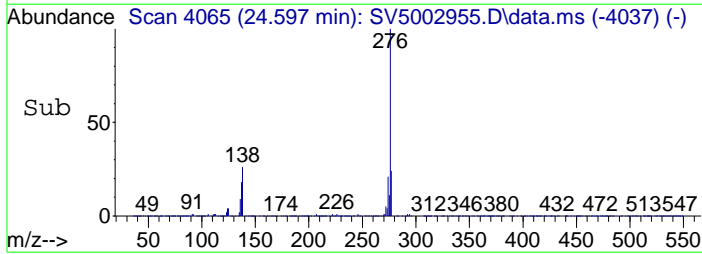
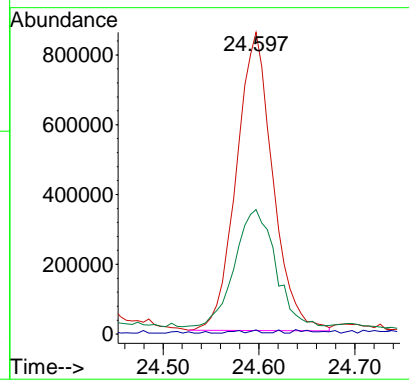
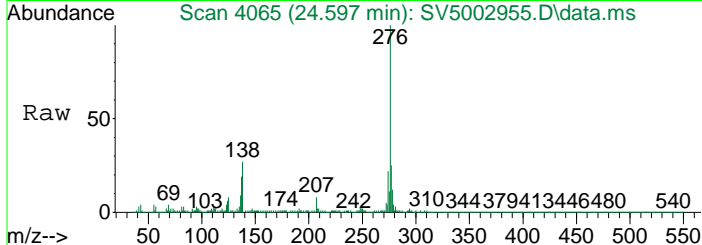
#91
 Benzo(a)pyrene
 Concen: 17.87 ng/uL
 RT: 22.685 min Scan# 3740
 Delta R.T. -0.036 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

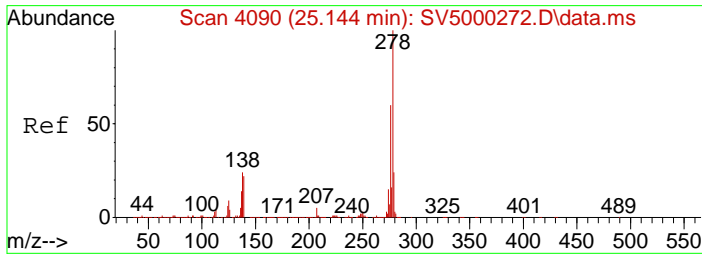
Tgt Ion	Resp	Lower	Upper
252	1894151		
253	99.6	65.6	125.6
125	32.8	0.0	58.0



#92
 Indeno(1,2,3-cd)pyrene
 Concen: 15.55 ng/uL
 RT: 24.597 min Scan# 4065
 Delta R.T. -0.035 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

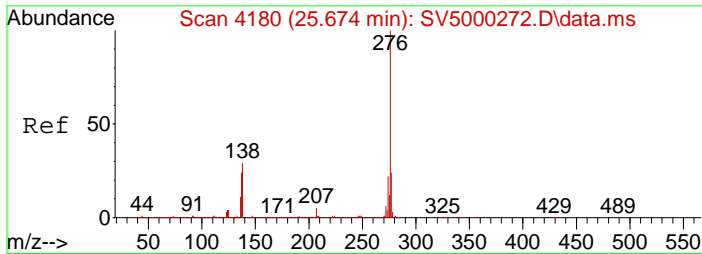
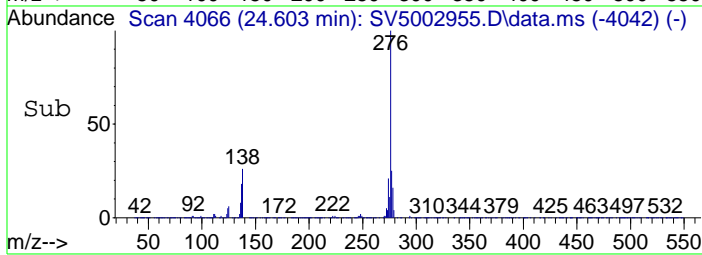
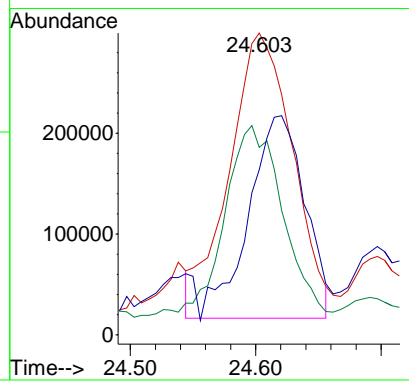
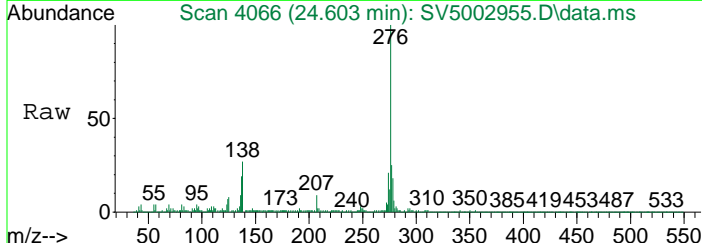
Tgt Ion	Resp	Lower	Upper
276	2255548		
138	33.7	0.4	60.4
227	1.5	0.0	30.1





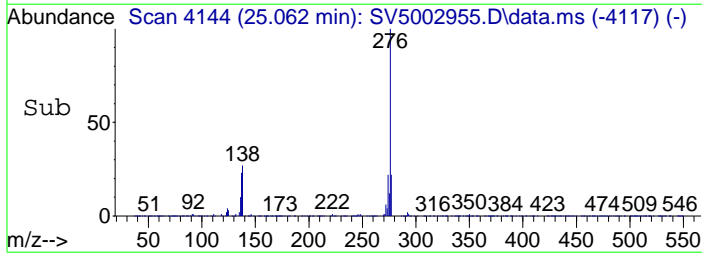
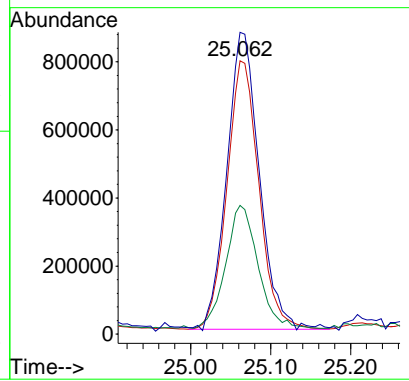
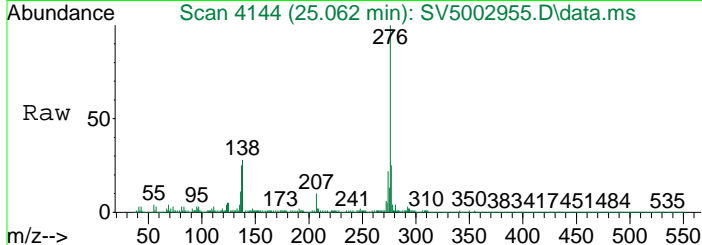
#93
 Dibenzo(a,h)anthracene
 Concen: 7.37 ng/uL m
 RT: 24.603 min Scan# 4066
 Delta R.T. -0.059 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

Tgt Ion	Resp	Lower	Upper
278	100		
139	0.0	0.0	56.8
279	30.2	62.0	122.0#



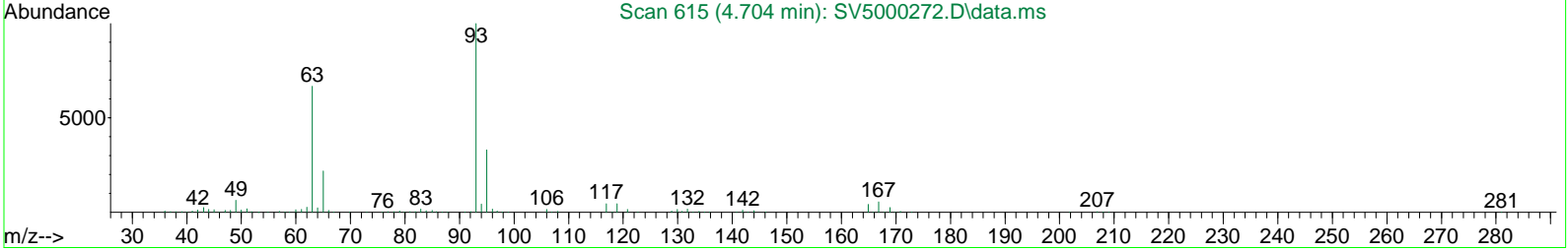
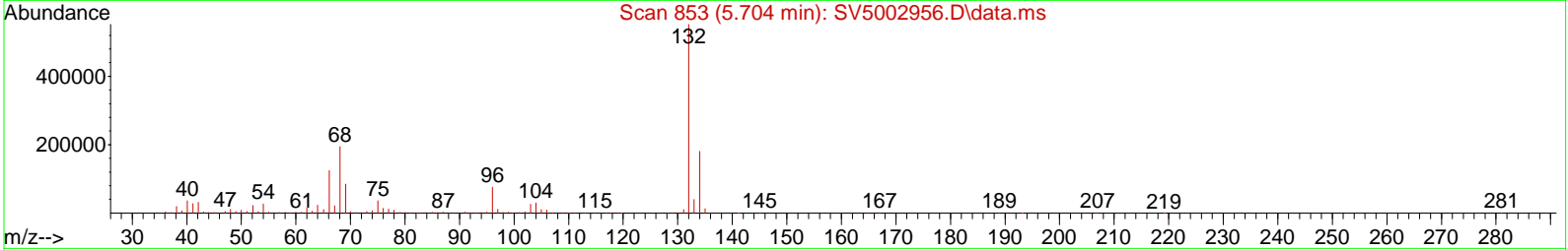
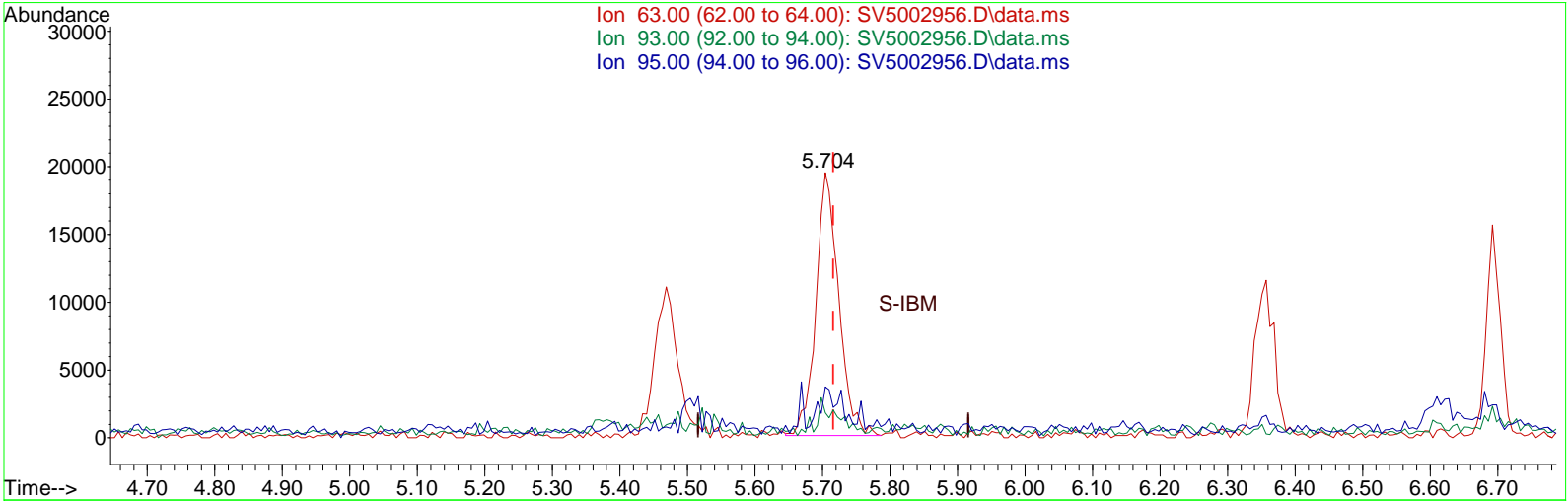
#94
 Benzo(g,h,i)perylene
 Concen: 17.72 ng/uL
 RT: 25.062 min Scan# 4144
 Delta R.T. -0.041 min
 Lab File: SV5002955.D
 Acq: 11 Oct 2012 12:32 am

Tgt Ion	Resp	Lower	Upper
276	100		
138	47.1	10.4	70.4
277	113.6	82.8	142.8



Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002956.D
 Acq On : 11 Oct 2012 1:05 am
 Operator : IBM
 Sample : 1210126-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:58:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



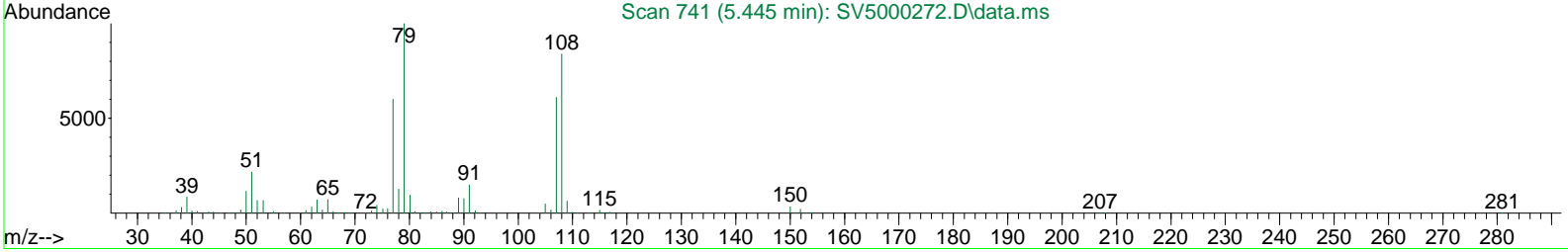
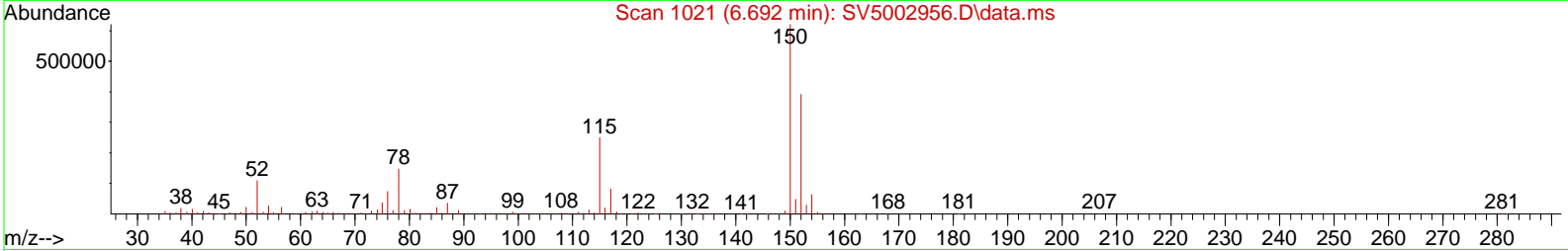
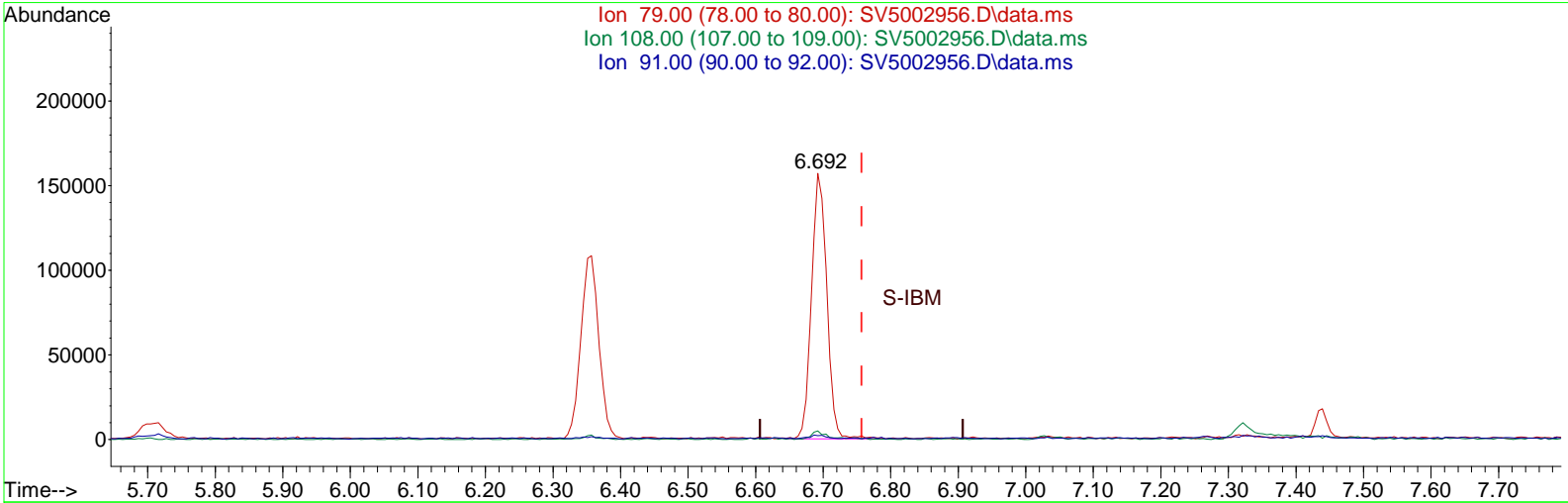
TIC: SV5002956.D\data.ms

(6) bis(2-Chloroethyl)ether
 5.704min (-0.012) 3.88 ng/uL
 response 45376

Ion	Exp%	Act%
63.00	100	100
93.00	146.60	7.70#
95.00	57.90	187.74#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002956.D
 Acq On : 11 Oct 2012 1:05 am
 Operator : IBM
 Sample : 1210126-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:58:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002956.D\data.ms

(16) Benzyl Alcohol

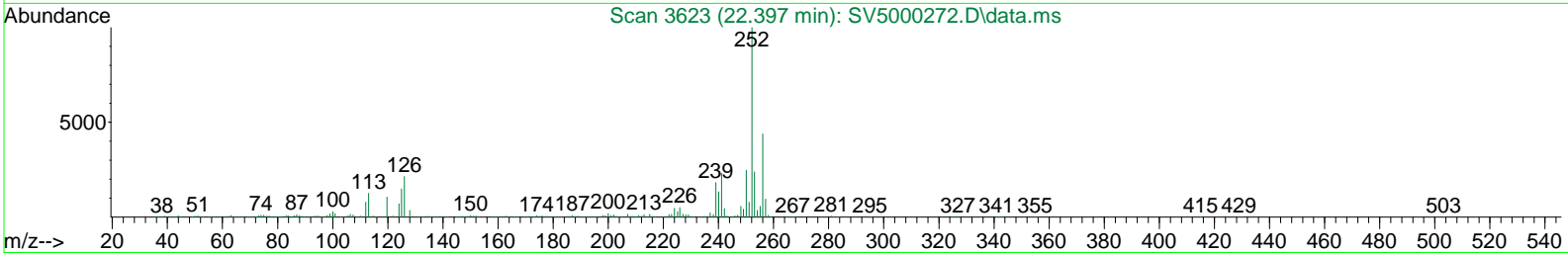
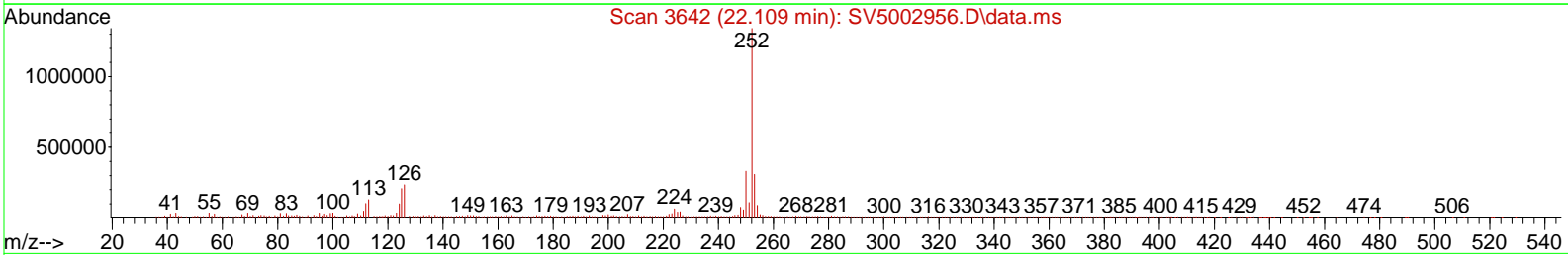
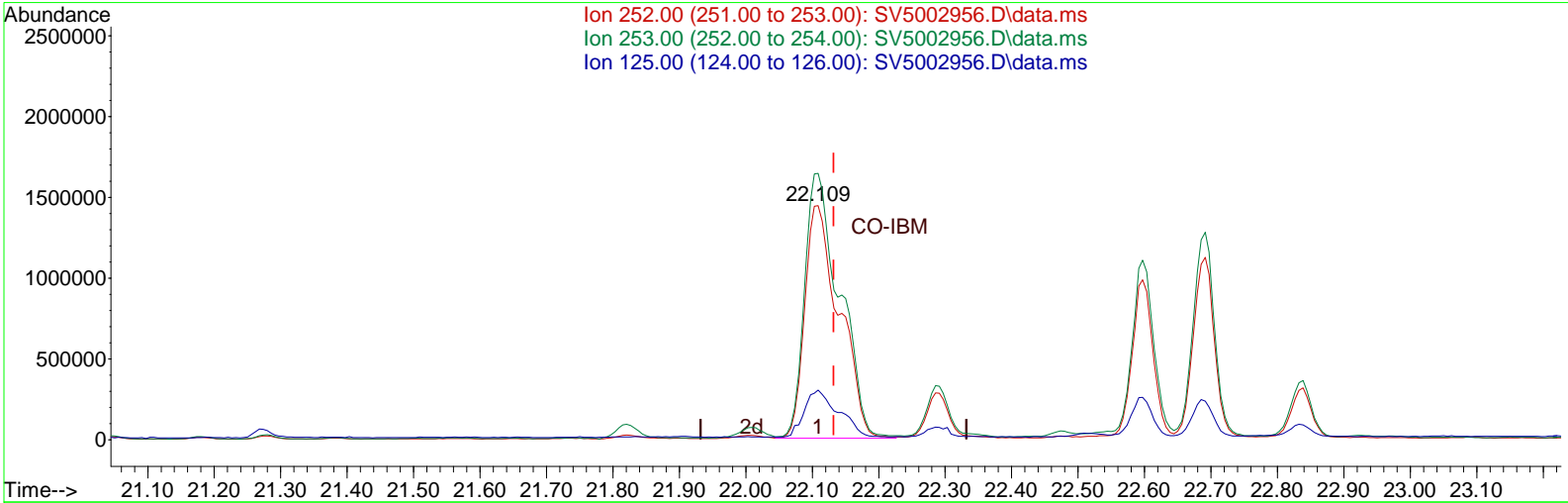
6.692min (-0.065) 15.48 ng/uL

response 246026

Ion	Exp%	Act%
79.00	100	100
108.00	132.20	3.22#
91.00	19.90	1.51
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002956.D
 Acq On : 11 Oct 2012 1:05 am
 Operator : IBM
 Sample : 1210126-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:58:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



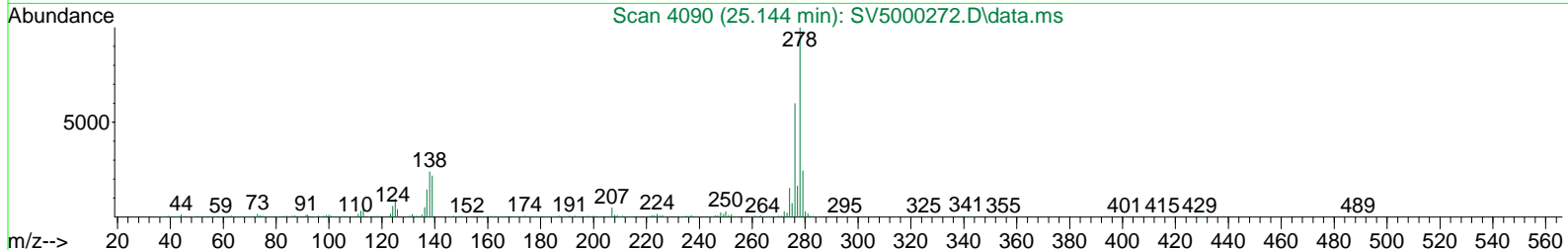
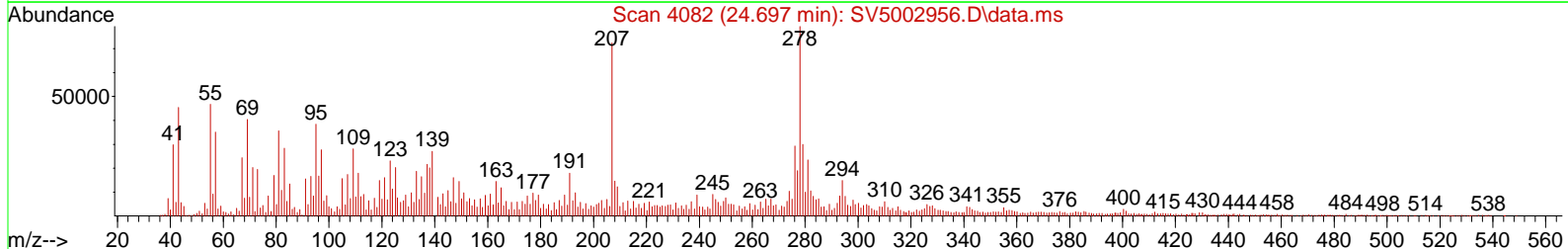
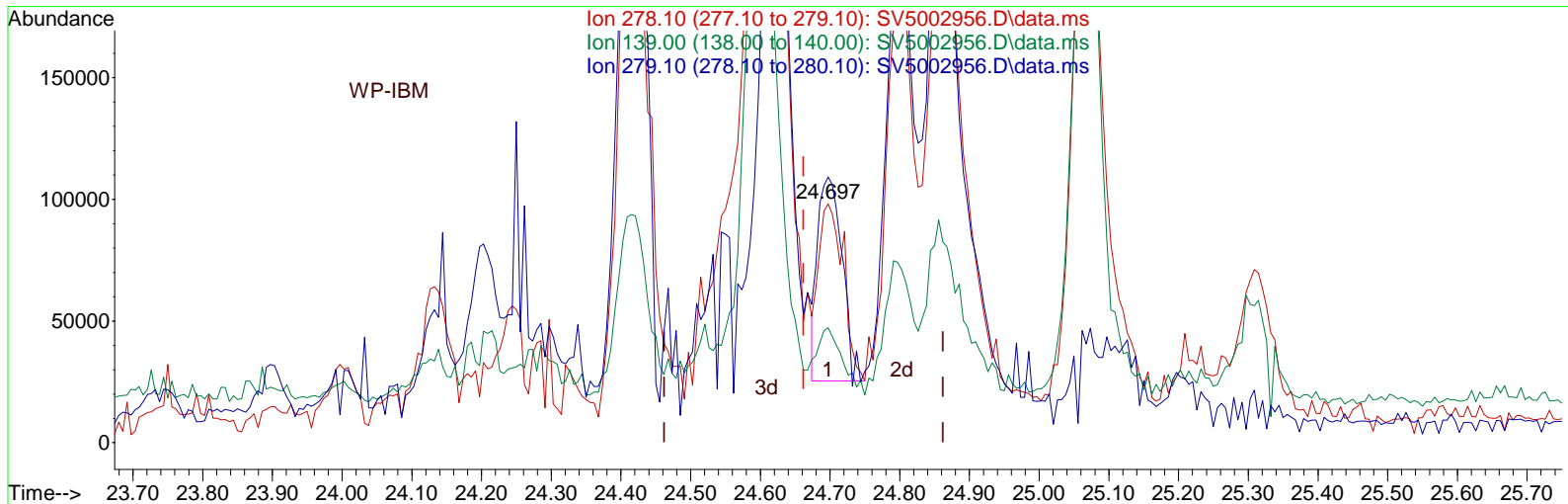
TIC: SV5002956.D\data.ms

(89) Benzo(b)fluoranthene
 22.109min (-0.023) 46.09 ng/uL
 response 5222055

Ion	Exp%	Act%
252.00	100	100
253.00	115.10	113.81
125.00	36.70	37.38
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002956.D
 Acq On : 11 Oct 2012 1:05 am
 Operator : IBM
 Sample : 1210126-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 12:58:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002956.D\data.ms

(93) Dibenzo(a,h)anthracene
 24.697min (+0.035) 1.31 ng/uL
 response 182335

Ion	Exp%	Act%
278.10	100	100
139.00	26.80	36.85
279.10	92.00	92.97
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002956.D
 Acq On : 11 Oct 2012 1:05 am
 Operator : IBM
 Sample : 1210126-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1
 InstName : SVOAMS5

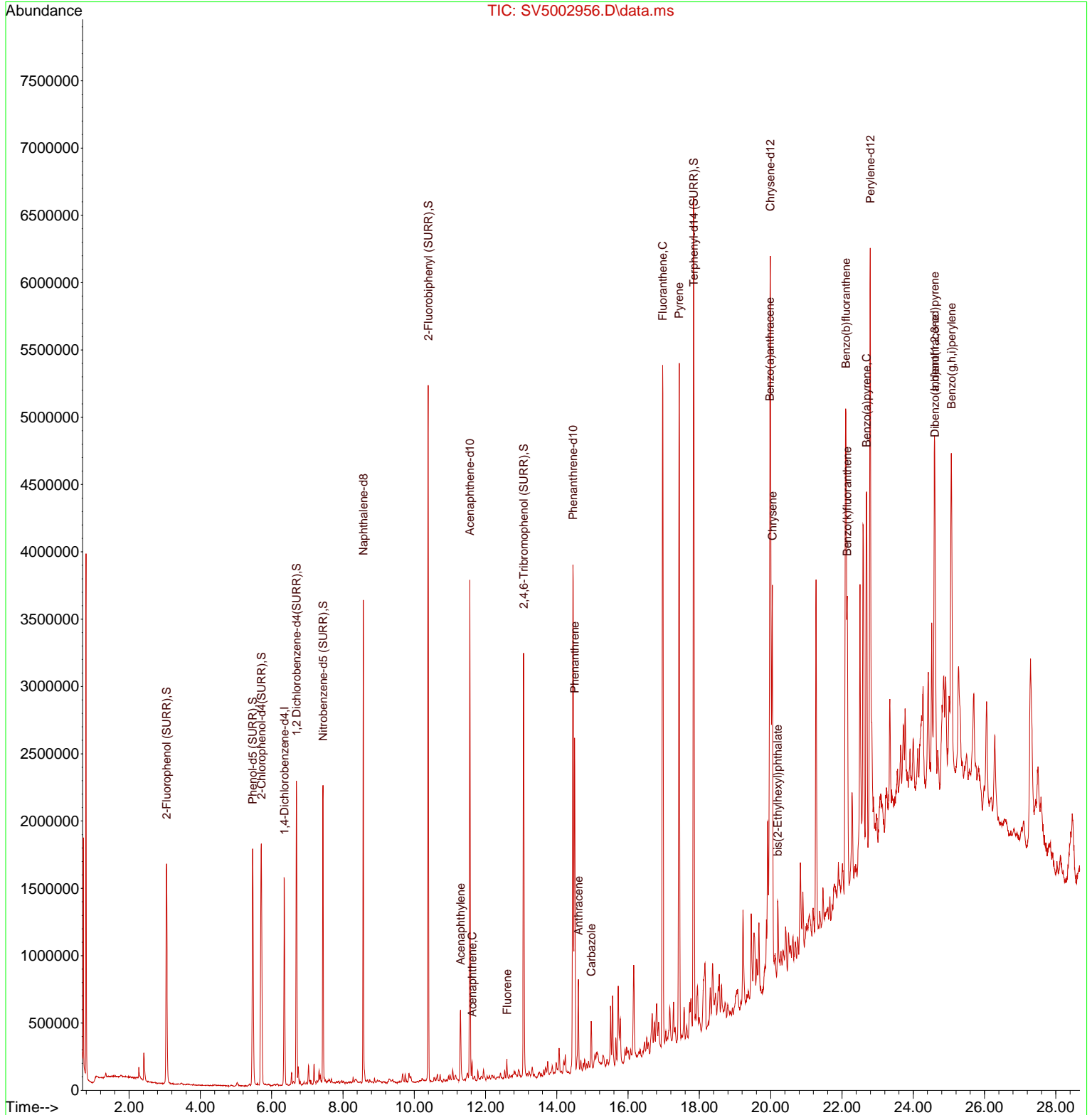
Quant Time: Oct 11 12:59:58 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

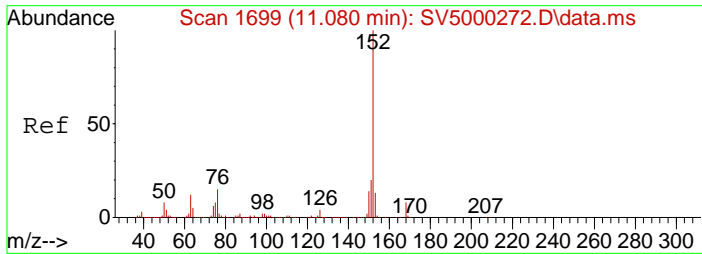
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.357	152	581494	40.00	ng/uL	-0.03	
23) Naphthalene-d8	8.569	136	2489904	40.00	ng/uL	-0.02	
41) Acenaphthene-d10	11.563	164	1706651	40.00	ng/uL	-0.03	
62) Phenanthrene-d10	14.451	188	3063067	40.00	ng/uL	-0.04	
79) Chrysene-d12	19.991	240	3419552	40.00	ng/uL	-0.04	
87) Perylene-d12	22.791	264	4085390	40.00	ng/uL	-0.03	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.051	112	1091729	73.59	ng/uL	-0.02	
Spiked Amount	150.000			Recovery	=	49.06%	
7) Phenol-d5 (SURR)	5.469	99	1622719	79.85	ng/uL	-0.03	
Spiked Amount	150.000			Recovery	=	53.23%	
11) 2-Chlorophenol-d4(SURR)	5.710	132	1383135	79.23	ng/uL	-0.03	
Spiked Amount	150.000			Recovery	=	52.82%	
14) 1,2 Dichlorobenzene-d4...	6.692	152	694276	48.02	ng/uL	-0.03	
Spiked Amount	100.000			Recovery	=	48.02%	
24) Nitrobenzene-d5 (SURR)	7.439	82	974603	50.05	ng/uL	-0.02	
Spiked Amount	100.000			Recovery	=	50.05%	
45) 2-Fluorobiphenyl (SURR)	10.392	172	3467285	56.03	ng/uL	-0.02	
Spiked Amount	100.000			Recovery	=	56.03%	
67) 2,4,6-Tribromophenol (...)	13.068	330	671183	101.64	ng/uL	-0.04	
Spiked Amount	150.000			Recovery	=	67.76%	
81) Terphenyl-d14 (SURR)	17.839	244	4628045	63.38	ng/uL	-0.03	
Spiked Amount	100.000			Recovery	=	63.38%	
Target Compounds							
							Qvalue
49) Acenaphthylene	11.298	152	521429	6.80	ng/uL		99
52) Acenaphthene	11.621	153	80335	1.29	ng/uL#		77
58) Fluorene	12.598	166	143081	1.50	ng/uL		92
73) Phenanthrene	14.498	178	2008841	24.59	ng/uL		100
74) Anthracene	14.604	178	586686	7.38	ng/uL		98
75) Carbazole	14.962	167	347847	4.08	ng/uL		99
77) Fluoranthene	16.968	202	4673392	51.51	ng/uL		97
80) Pyrene	17.433	202	4419472	42.19	ng/uL		88
84) Benzo(a)anthracene	19.974	228	2201934	23.42	ng/uL		99
85) Chrysene	20.044	228	2575199	28.21	ng/uL		99
86) bis(2-Ethylhexyl)phtha...	20.197	149	68641	1.28	ng/uL		97
89) Benzo(b)fluoranthene	22.109	252	4065847m	35.88	ng/uL		
90) Benzo(k)fluoranthene	22.144	252	1223737m	11.57	ng/uL		
91) Benzo(a)pyrene	22.691	252	2504730	22.94	ng/uL		97
92) Indeno(1,2,3-cd)pyrene	24.597	276	2710643	18.14	ng/uL		91
93) Dibenzo(a,h)anthracene	24.609	278	1245433m	8.95	ng/uL		
94) Benzo(g,h,i)perylene	25.068	276	2833131	22.24	ng/uL		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002956.D
 Acq On : 11 Oct 2012 1:05 am
 Operator : IBM
 Sample : 1210126-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1
 InstName : SVOAMS5

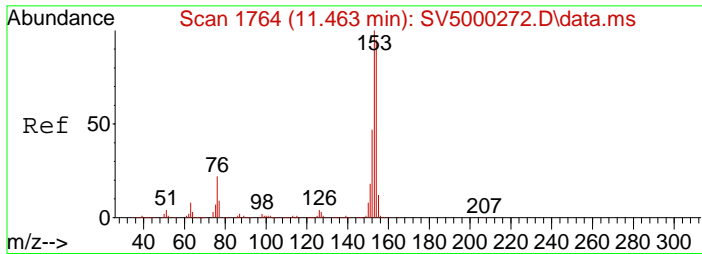
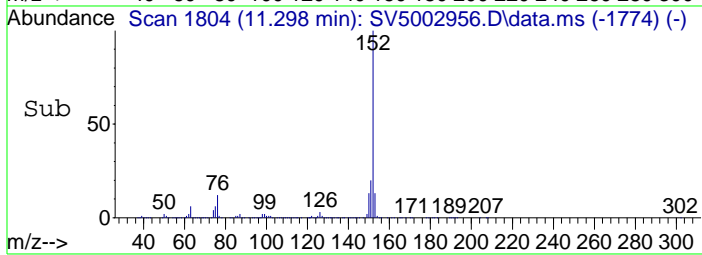
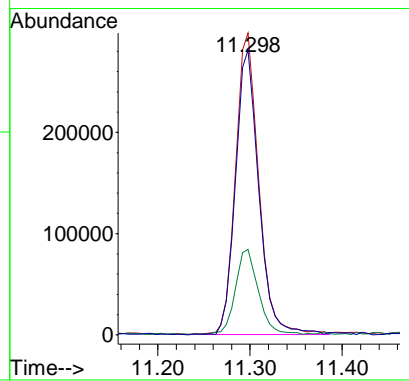
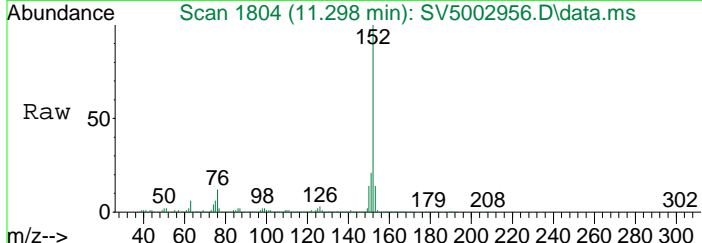
Quant Time: Oct 11 12:59:58 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration





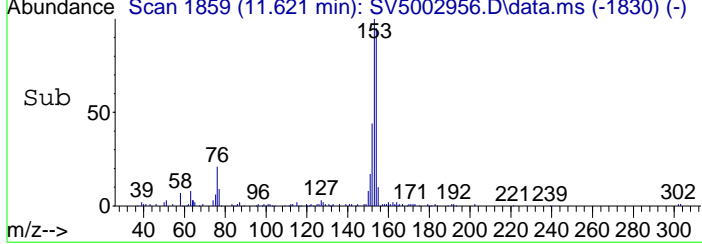
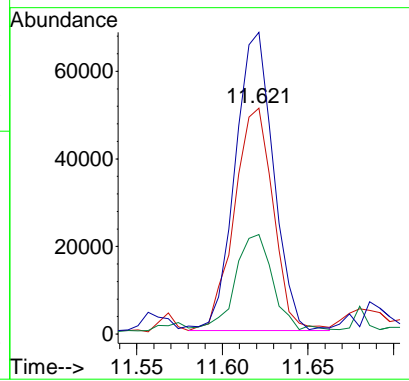
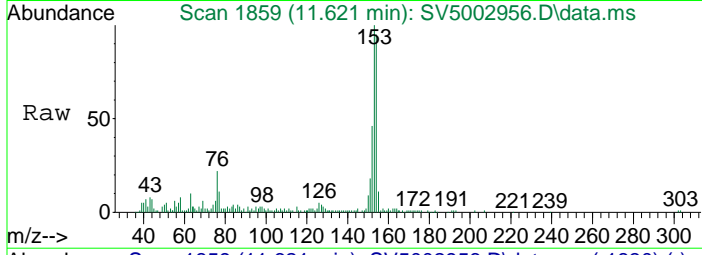
#49
 Acenaphthylene
 Concen: 6.80 ng/uL
 RT: 11.298 min Scan# 1804
 Delta R.T. -0.023 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

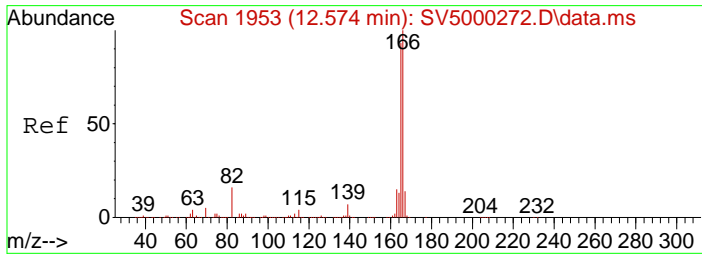
Tgt Ion	Resp	Lower	Upper
152	521429		
151	99.9	71.1	131.1
153	84.7	55.7	115.7



#52
 Acenaphthene
 Concen: 1.29 ng/uL
 RT: 11.621 min Scan# 1859
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

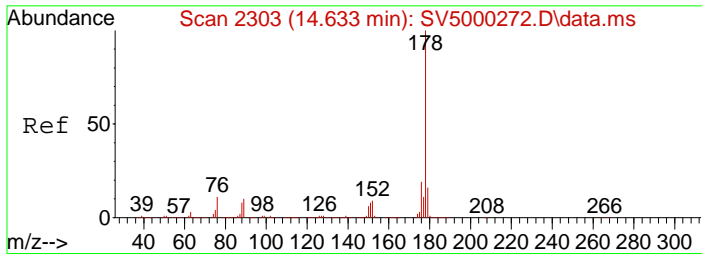
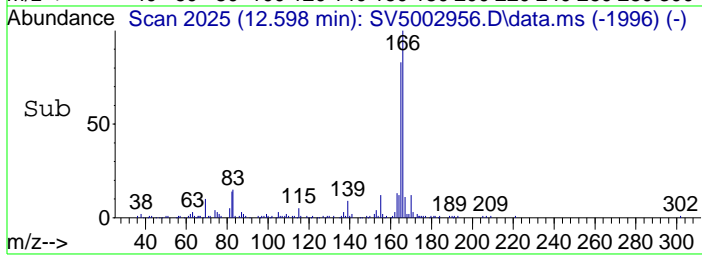
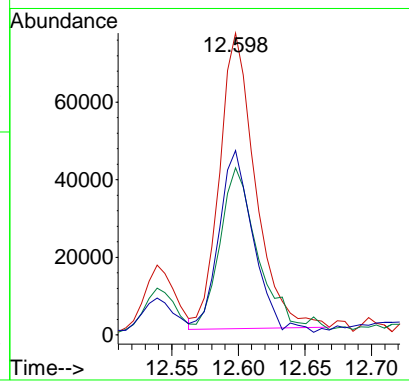
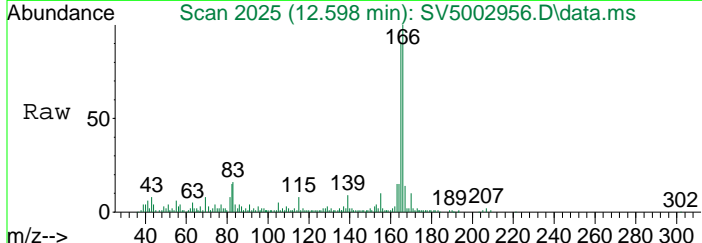
Tgt Ion	Resp	Lower	Upper
153	80335		
152	26.7	38.3	98.3#
154	85.6	55.3	115.3





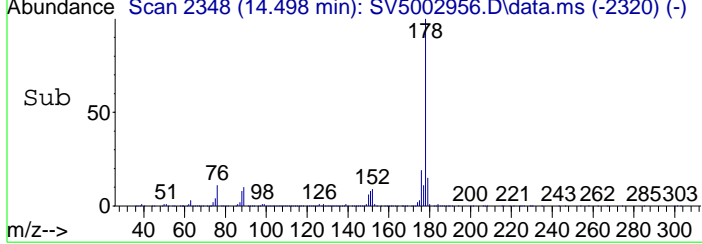
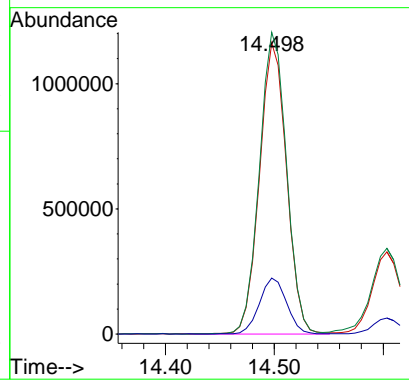
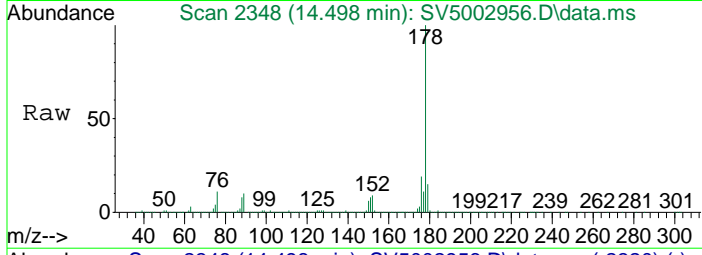
#58
 Fluorene
 Concen: 1.50 ng/uL
 RT: 12.598 min Scan# 2025
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

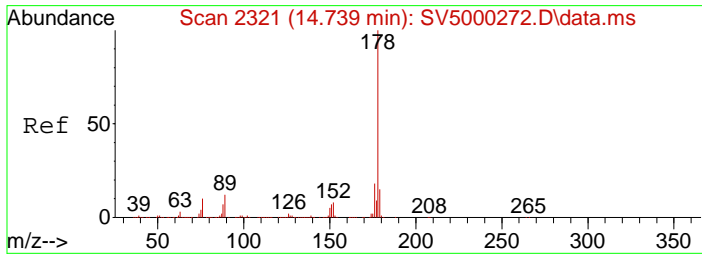
Tgt Ion	Resp	Lower	Upper
166	143081		
165	108.0	70.0	130.0
167	61.1	25.8	85.8



#73
 Phenanthrene
 Concen: 24.59 ng/uL
 RT: 14.498 min Scan# 2348
 Delta R.T. -0.035 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

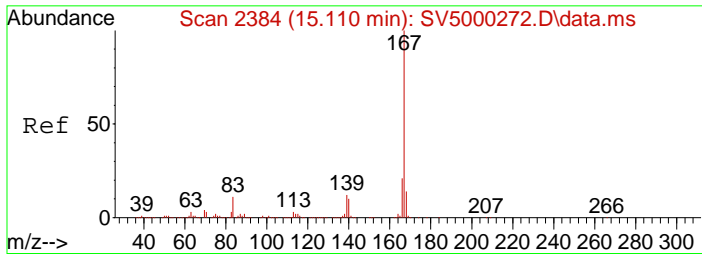
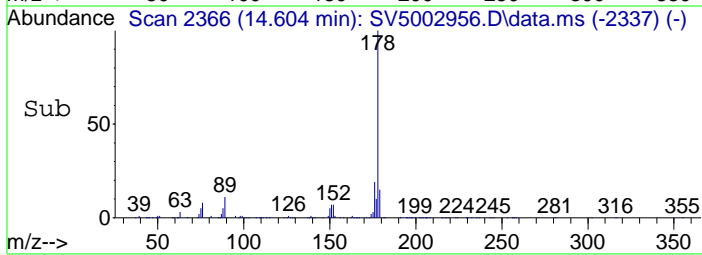
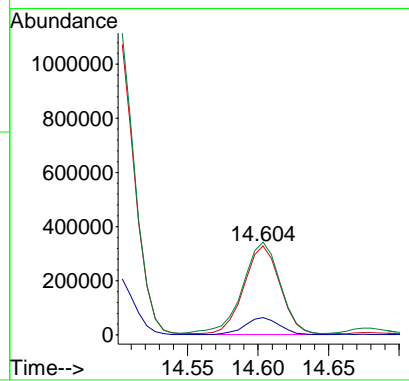
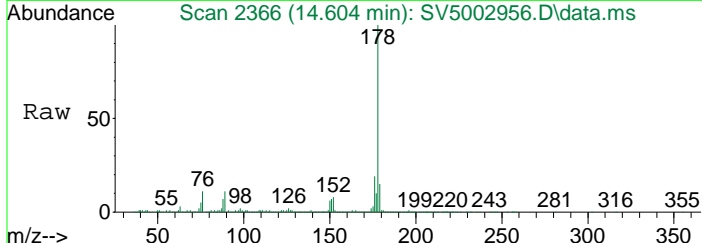
Tgt Ion	Resp	Lower	Upper
178	2008841		
179	91.1	61.3	121.3
176	25.8	0.0	56.2





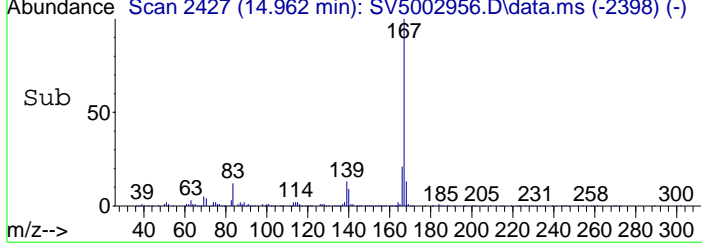
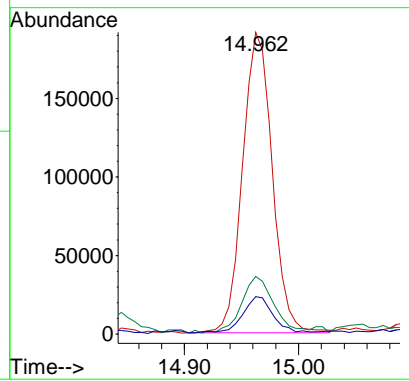
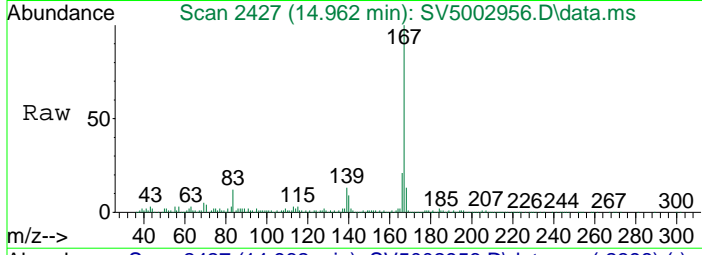
#74
 Anthracene
 Concen: 7.38 ng/uL
 RT: 14.604 min Scan# 2366
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

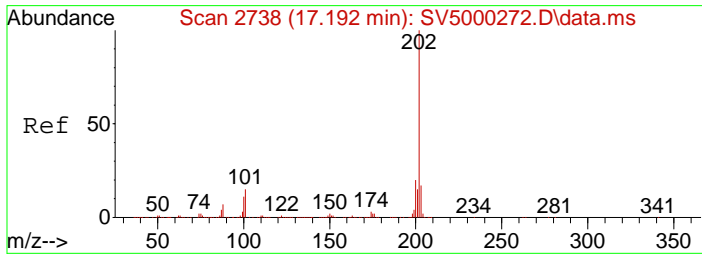
Tgt Ion	Resp	Lower	Upper
178	586686		
179	91.8	63.3	123.3
176	25.4	0.0	54.3



#75
 Carbazole
 Concen: 4.08 ng/ul
 RT: 14.962 min Scan# 2427
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

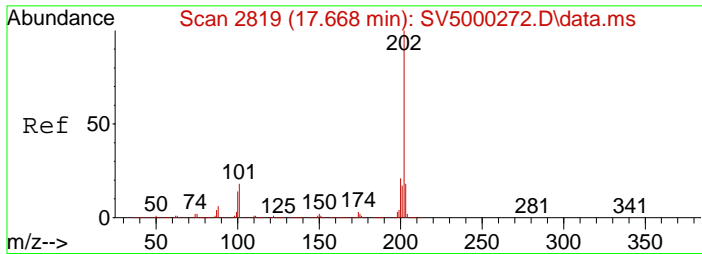
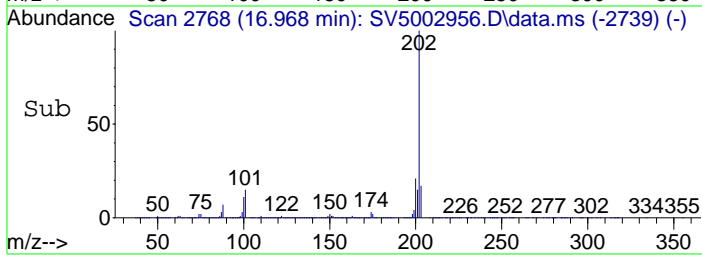
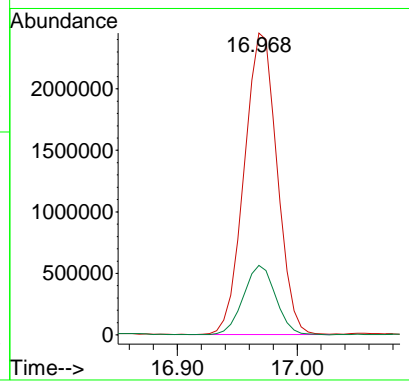
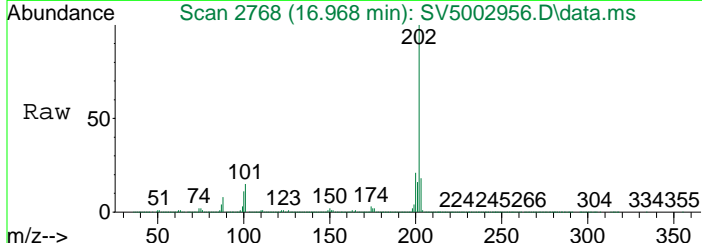
Tgt Ion	Resp	Lower	Upper
167	347847		
166	91.6	60.8	120.8
139	18.0	0.0	47.9





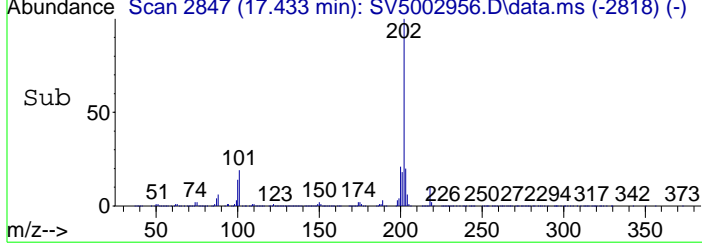
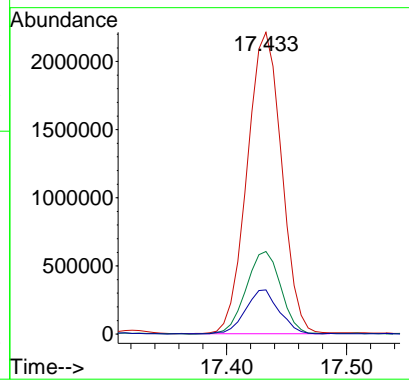
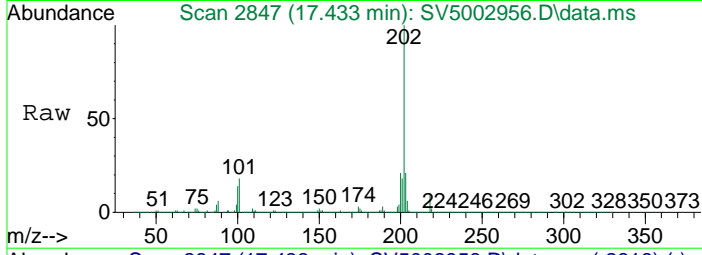
#77
 Fluoranthene
 Concen: 51.51 ng/uL
 RT: 16.968 min Scan# 2768
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

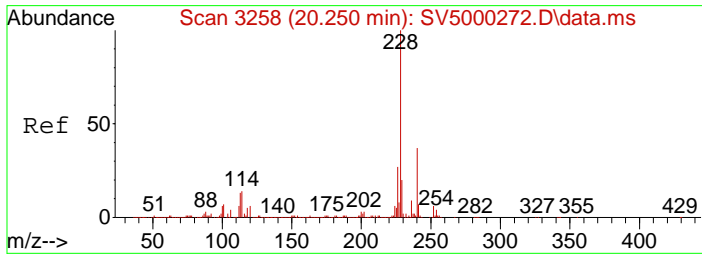
Tgt Ion	Resp	Lower	Upper
202	4673392		
101	20.0	0.0	48.5



#80
 Pyrene
 Concen: 42.19 ng/uL
 RT: 17.433 min Scan# 2847
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

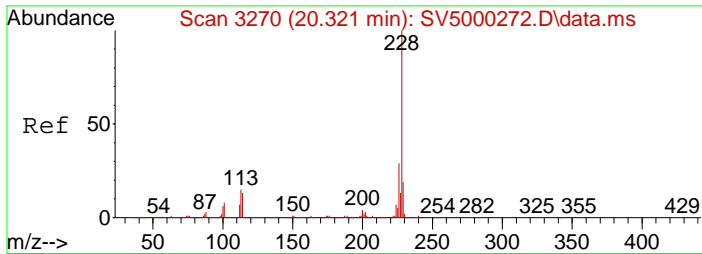
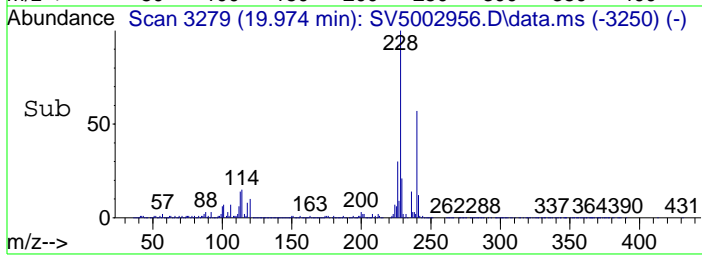
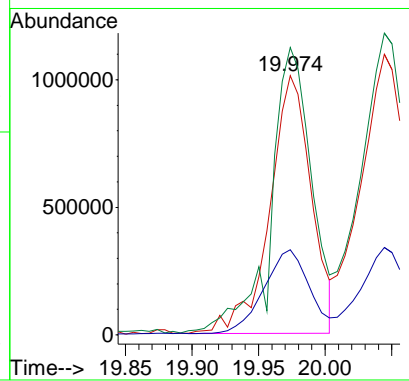
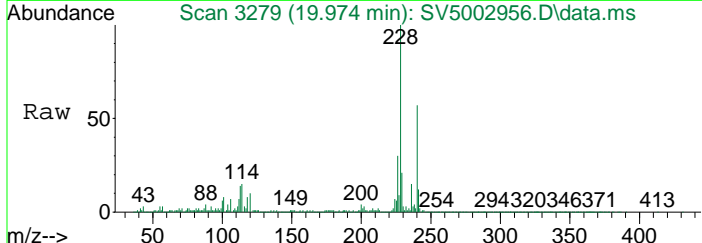
Tgt Ion	Resp	Lower	Upper
202	4419472		
101	27.3	0.0	51.9
100	30.3	0.0	54.2





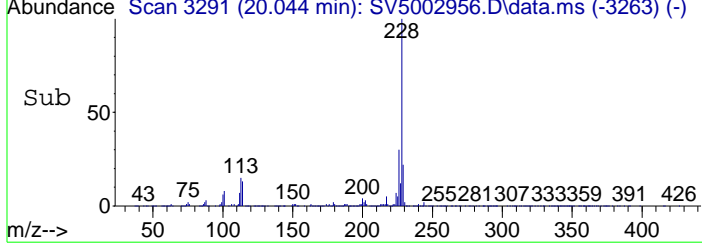
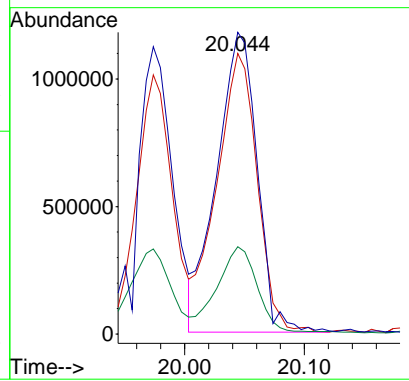
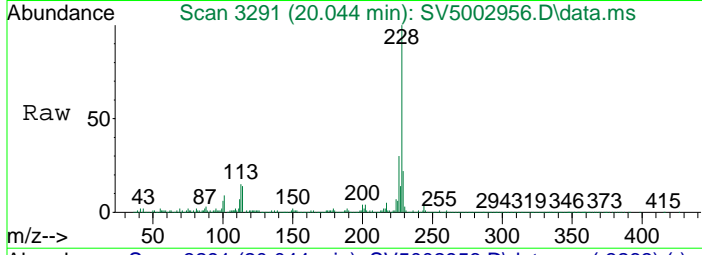
#84
 Benzo(a)anthracene
 Concen: 23.42 ng/uL
 RT: 19.974 min Scan# 3279
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

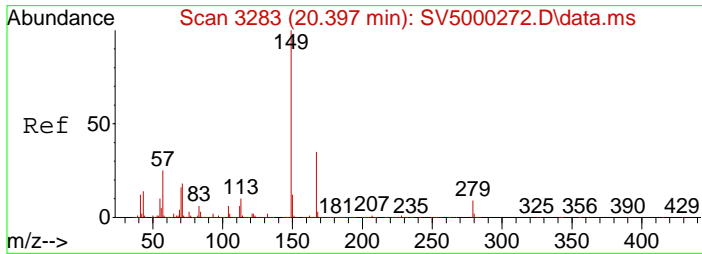
Tgt Ion	Resp	Lower	Upper
228	100		
229	95.2	65.1	125.1
226	27.5	0.0	55.7



#85
 Chrysene
 Concen: 28.21 ng/uL
 RT: 20.044 min Scan# 3291
 Delta R.T. -0.035 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

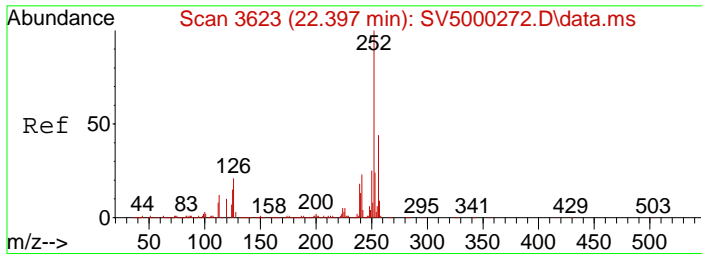
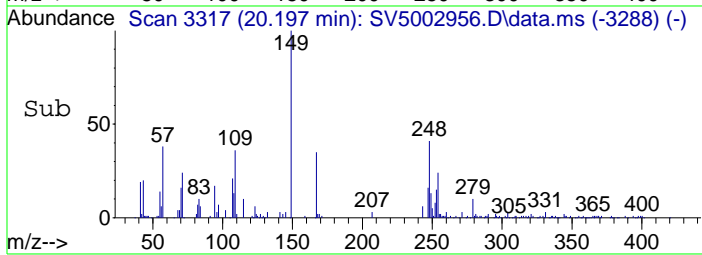
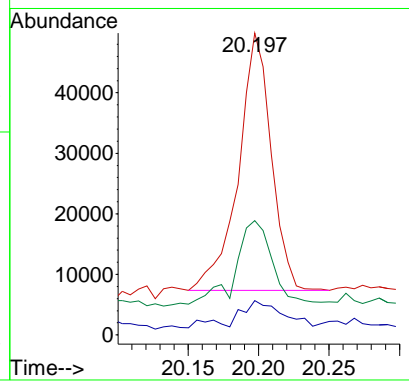
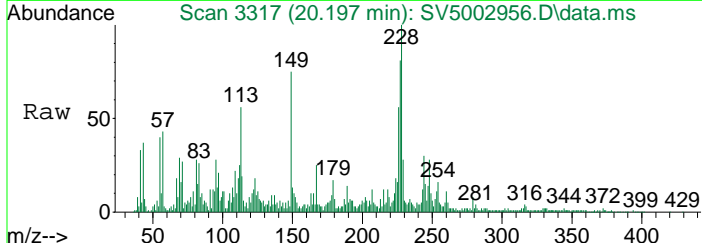
Tgt Ion	Resp	Lower	Upper
228	100		
226	26.0	0.0	56.8
229	91.8	61.6	121.6





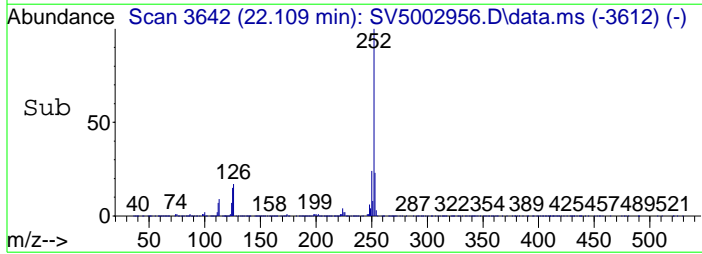
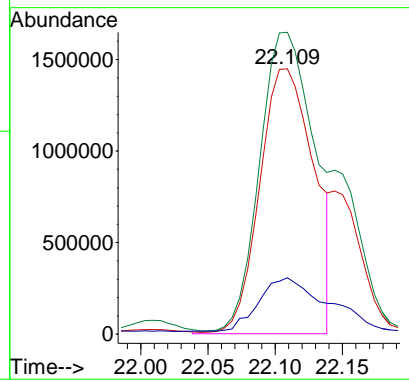
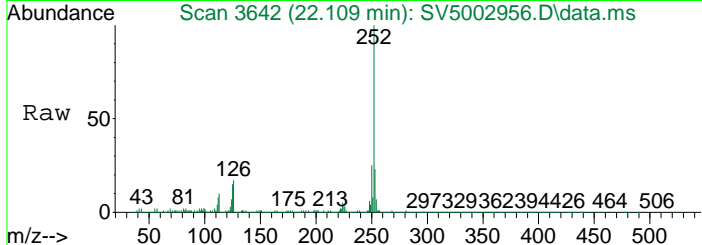
#86
 bis(2-Ethylhexyl)phthalate
 Concen: 1.28 ng/uL
 RT: 20.197 min Scan# 3317
 Delta R.T. -0.029 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

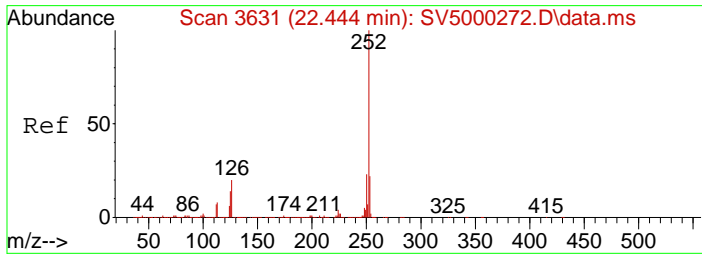
Tgt Ion	Resp	Lower	Upper
149	68641		
167	36.7	4.7	64.7
279	9.7	0.0	40.0



#89
 Benzo(b)fluoranthene
 Concen: 35.88 ng/uL m
 RT: 22.109 min Scan# 3642
 Delta R.T. -0.023 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

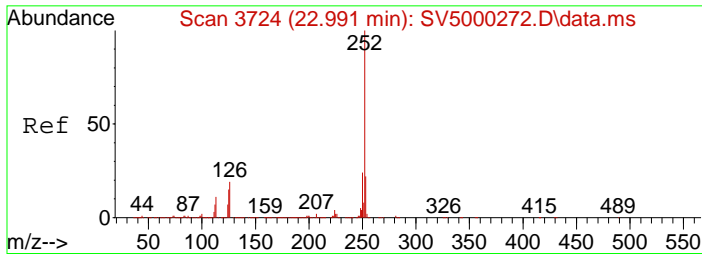
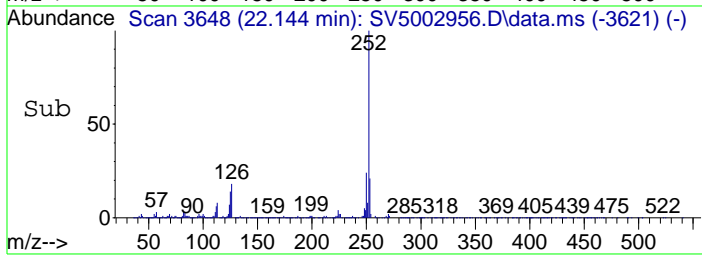
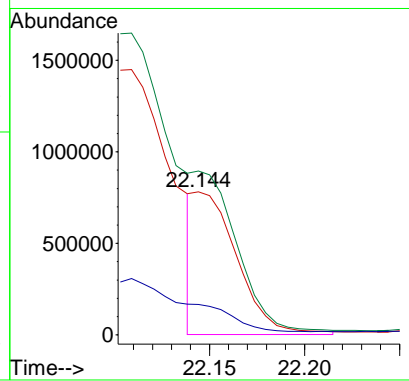
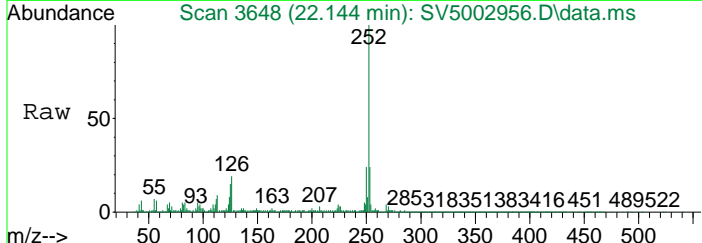
Tgt Ion	Resp	Lower	Upper
252	4065847		
253	23.0	85.1	145.1#
125	15.5	6.7	66.7





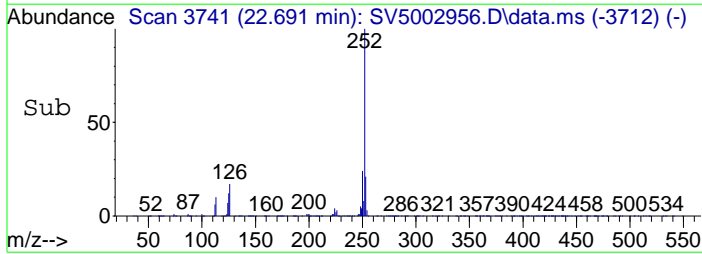
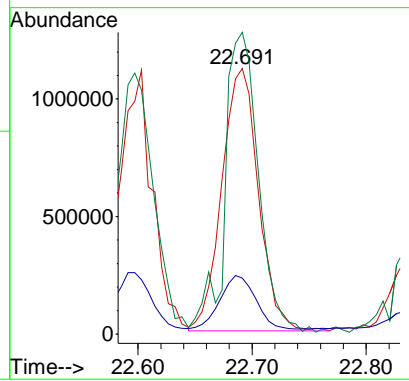
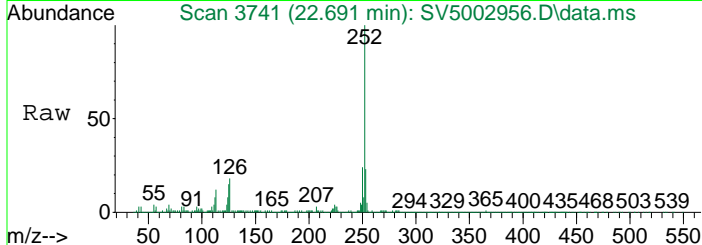
#90
 Benzo(k)fluoranthene
 Concen: 11.57 ng/uL m
 RT: 22.144 min Scan# 3648
 Delta R.T. -0.041 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

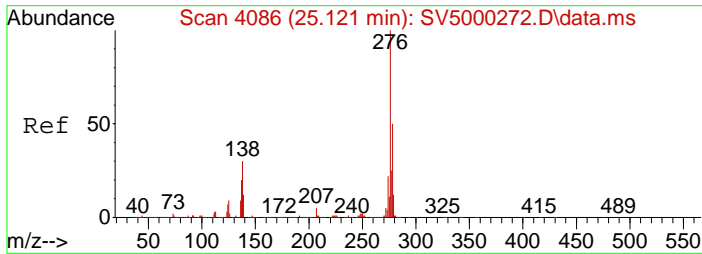
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.8	83.8	143.8#
125	15.1	2.9	62.9



#91
 Benzo(a)pyrene
 Concen: 22.94 ng/uL
 RT: 22.691 min Scan# 3741
 Delta R.T. -0.030 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

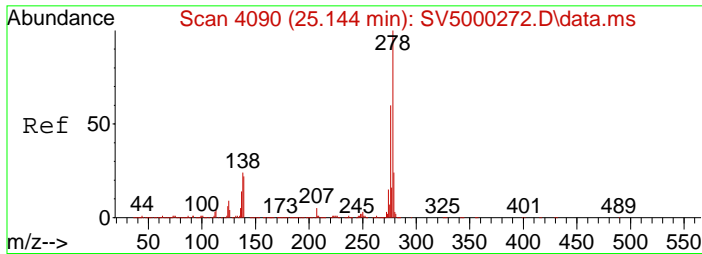
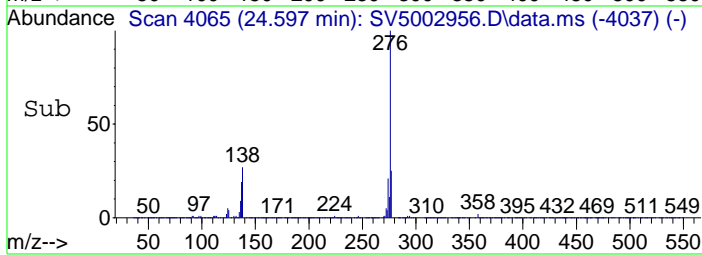
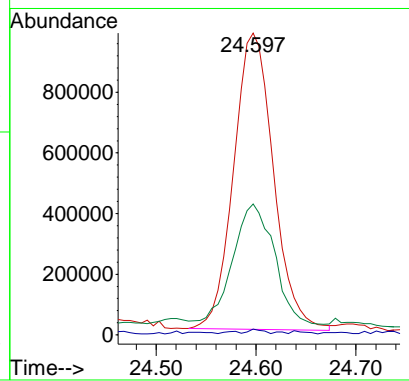
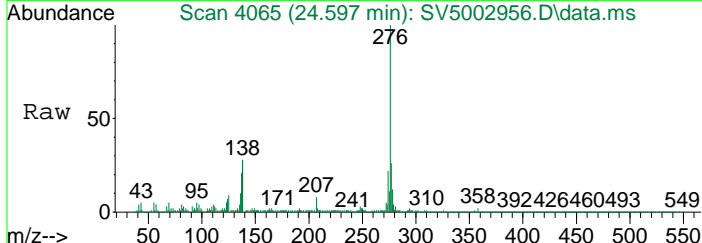
Tgt Ion	Resp	Lower	Upper
252	100		
253	97.4	65.6	125.6
125	31.0	0.0	58.0





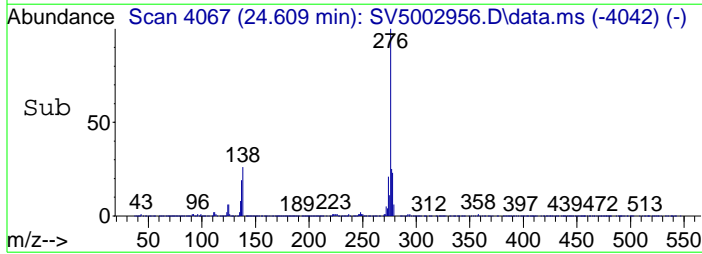
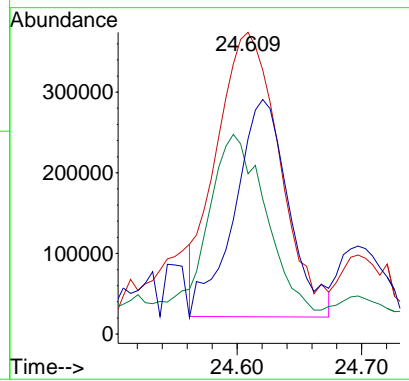
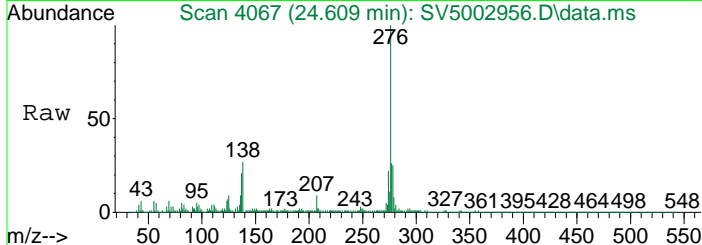
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 18.14 ng/uL
 RT: 24.597 min Scan# 4065
 Delta R.T. -0.035 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

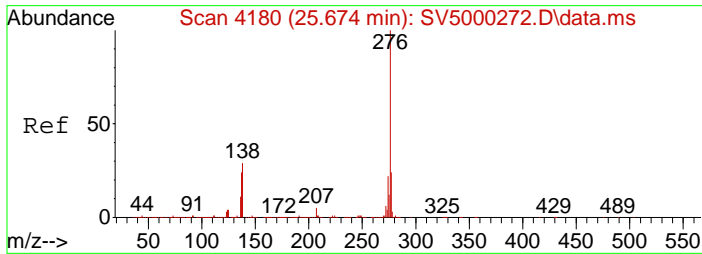
Tgt Ion	Resp	Lower	Upper
276	100		
138	35.3	0.4	60.4
227	1.6	0.0	30.1



#93
 Dibenzo(a,h)anthracene
 Concen: 8.95 ng/uL m
 RT: 24.609 min Scan# 4067
 Delta R.T. -0.053 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

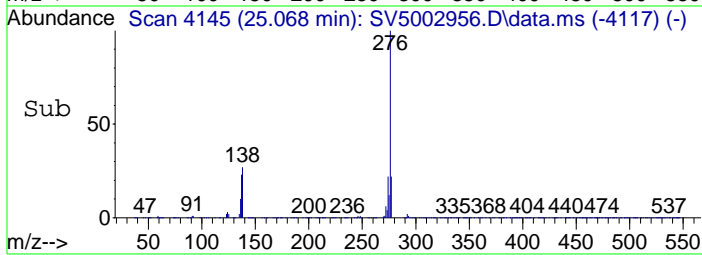
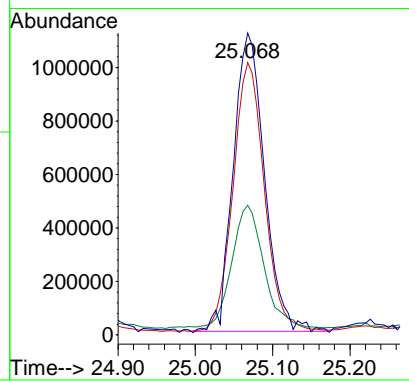
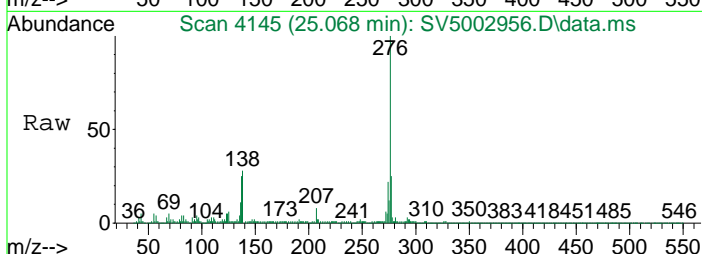
Tgt Ion	Resp	Lower	Upper
278	100		
139	0.0	0.0	56.8
279	30.7	62.0	122.0#





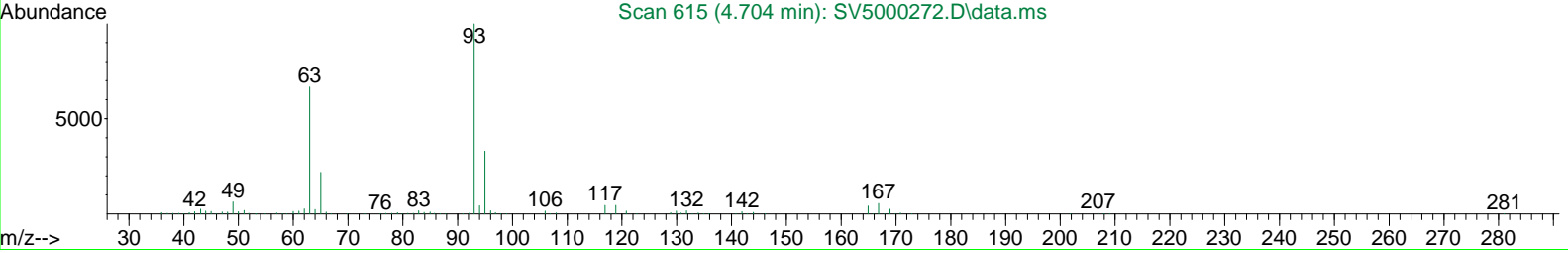
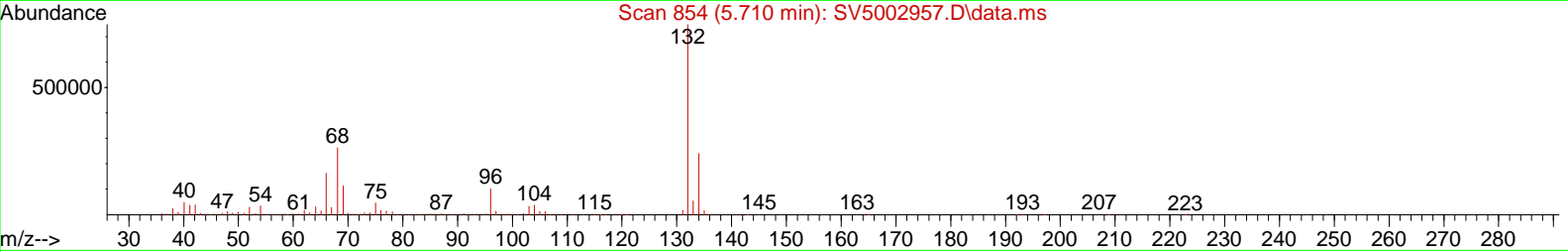
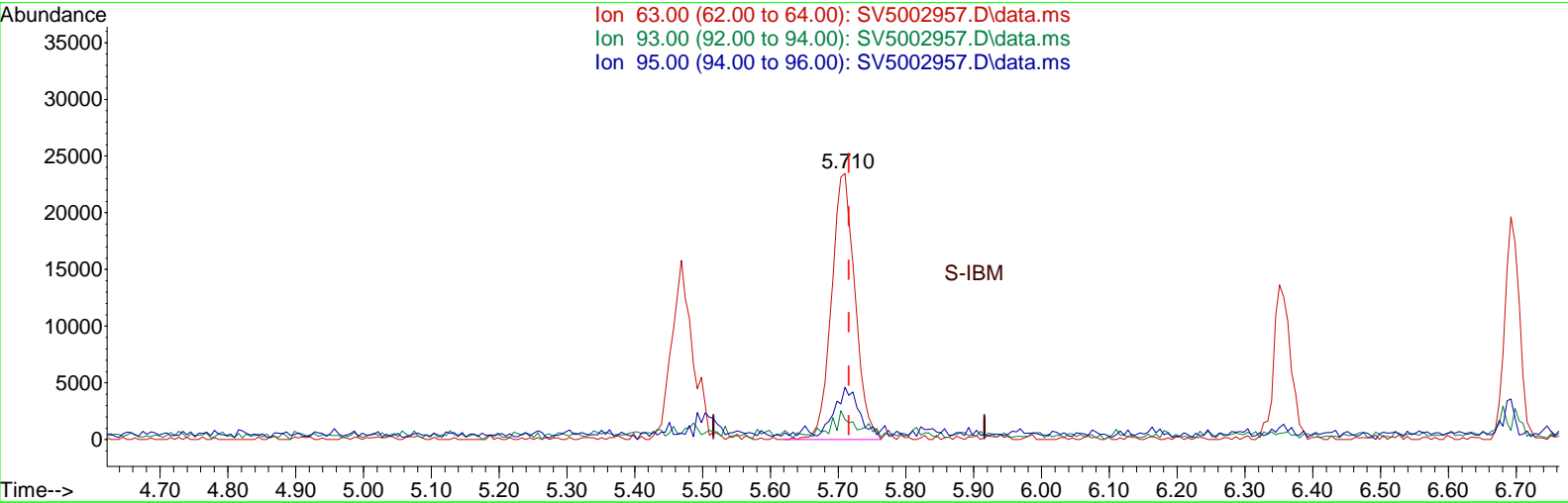
#94
 Benzo(g,h,i)perylene
 Concen: 22.24 ng/uL
 RT: 25.068 min Scan# 4145
 Delta R.T. -0.035 min
 Lab File: SV5002956.D
 Acq: 11 Oct 2012 1:05 am

Tgt Ion	Resp	Lower	Upper
276	2833131		
138	47.7	10.4	70.4
277	114.0	82.8	142.8



Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002957.D
 Acq On : 11 Oct 2012 1:38 am
 Operator : IBM
 Sample : 1210126-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:00:24 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



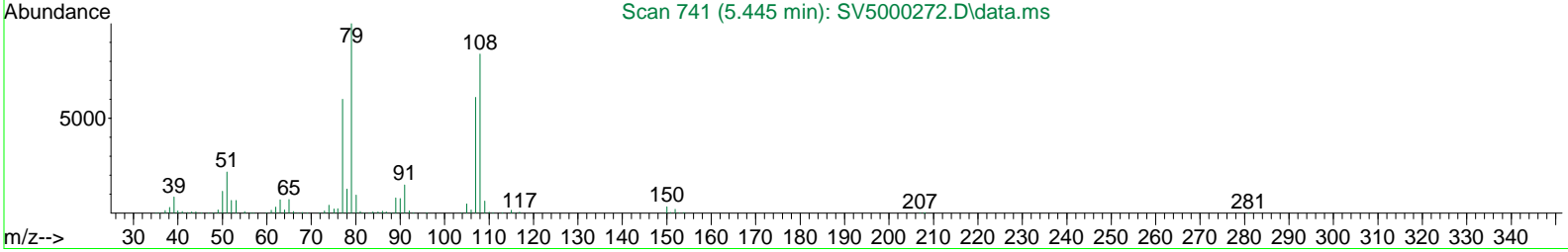
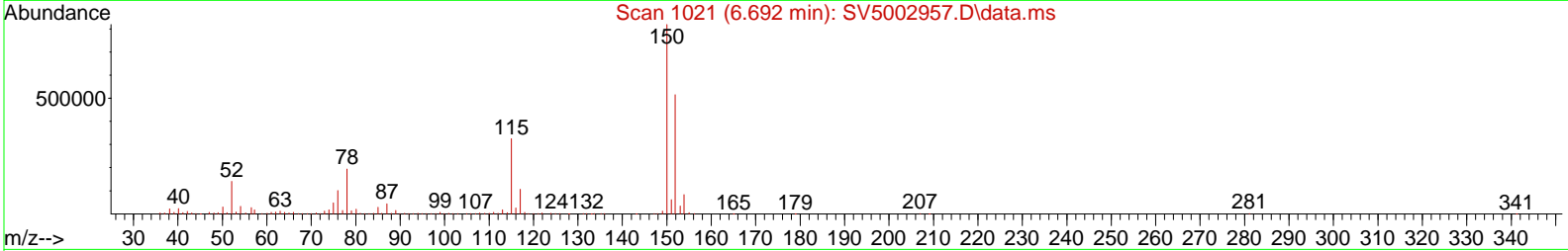
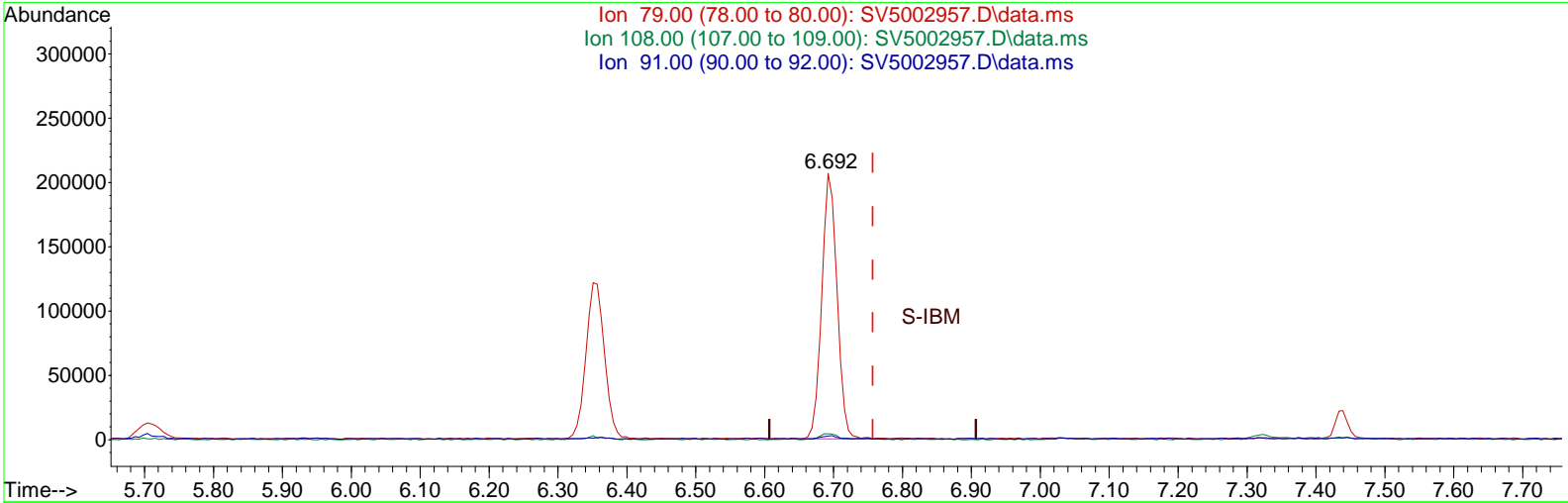
TIC: SV5002957.D\data.ms

(6) bis(2-Chloroethyl)ether
 5.710min (-0.006) 4.29 ng/uL
 response 56410

Ion	Exp%	Act%
63.00	100	100
93.00	146.60	14.20#
95.00	57.90	453.15#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002957.D
 Acq On : 11 Oct 2012 1:38 am
 Operator : IBM
 Sample : 1210126-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:00:24 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002957.D\data.ms

(16) Benzyl Alcohol

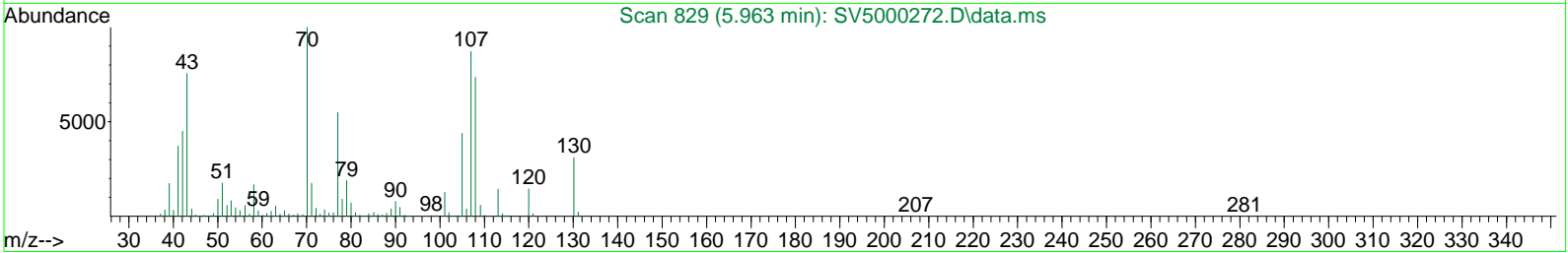
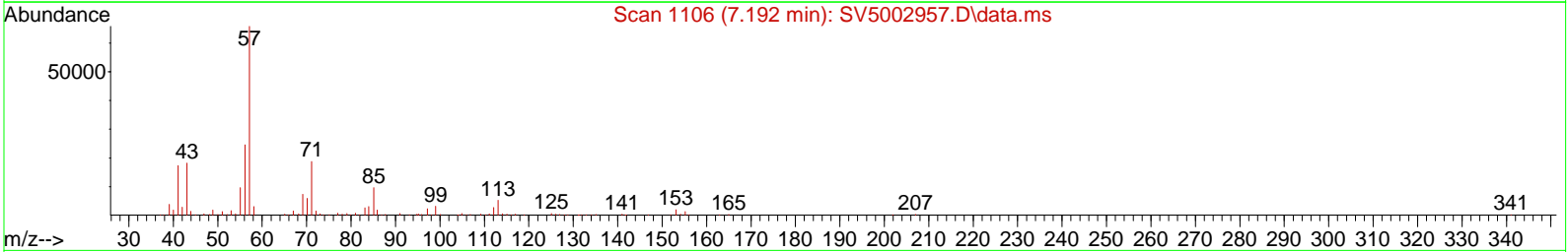
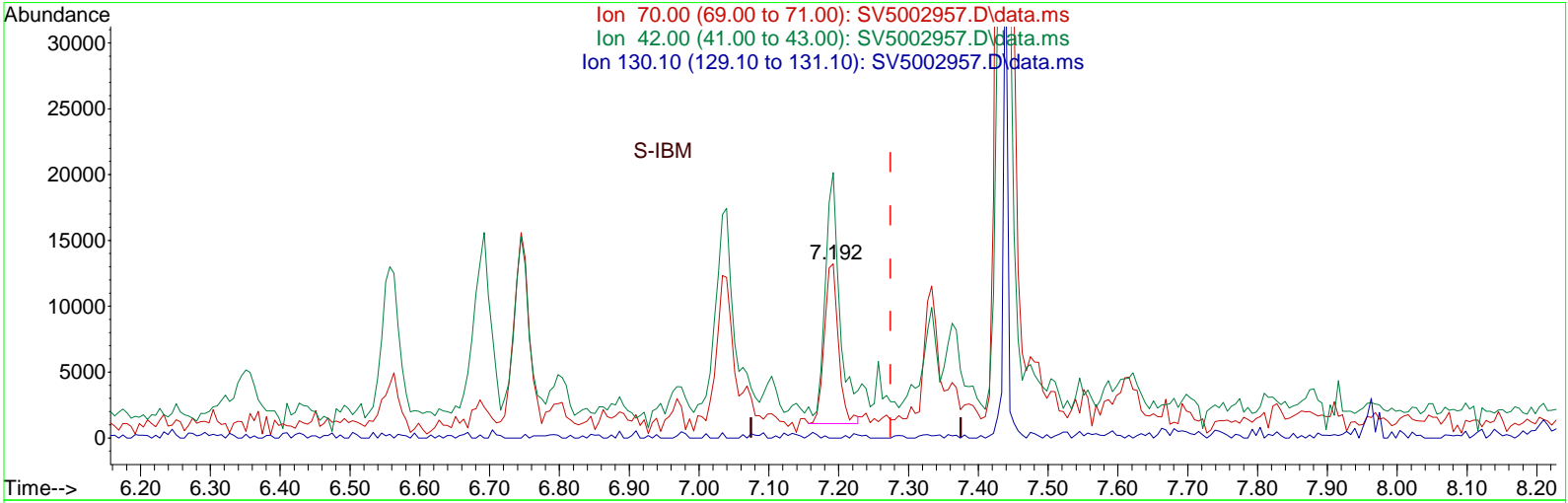
6.692min (-0.065) 17.79 ng/uL

response 317665

Ion	Exp%	Act%
79.00	100	100
108.00	132.20	3.33#
91.00	19.90	1.41
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002957.D
 Acq On : 11 Oct 2012 1:38 am
 Operator : IBM
 Sample : 1210126-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:00:24 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002957.D\data.ms

(20) n-Nitroso-di-n-propylamine (P)

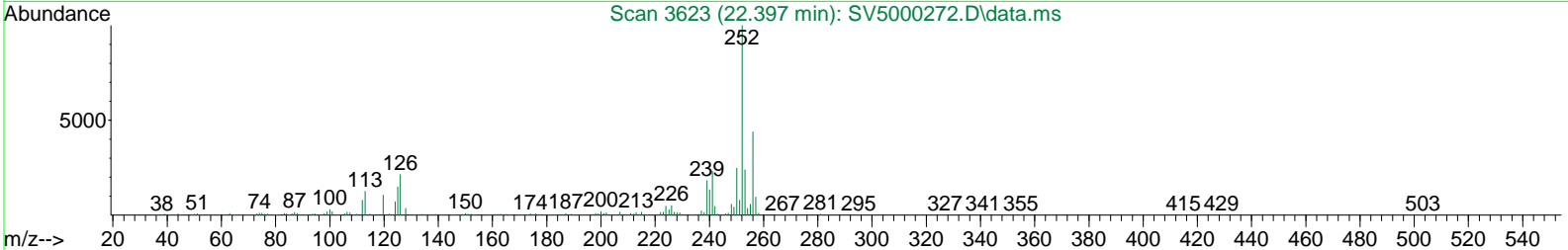
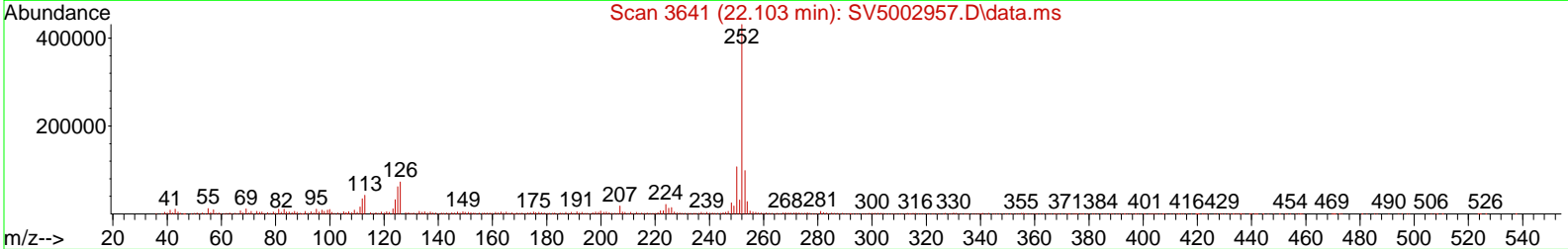
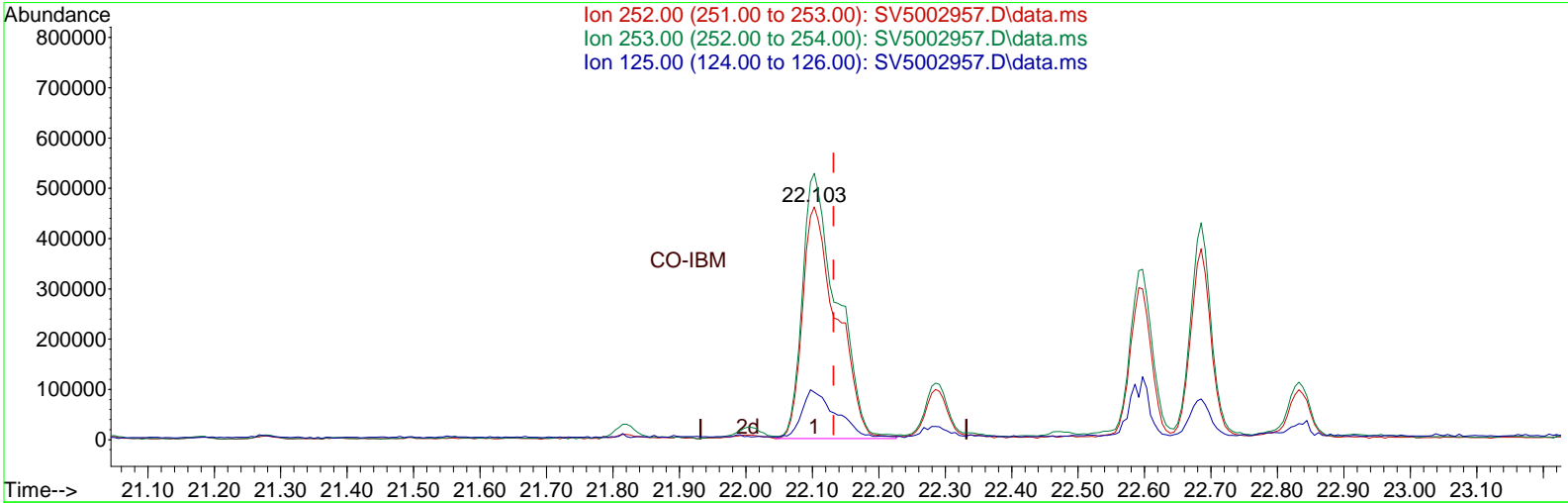
7.192min (-0.082) 1.08 ng/uL

response 17022

Ion	Exp%	Act%
70.00	100	100
42.00	83.00	152.31#
130.10	31.80	1.16#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002957.D
 Acq On : 11 Oct 2012 1:38 am
 Operator : IBM
 Sample : 1210126-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:00:24 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



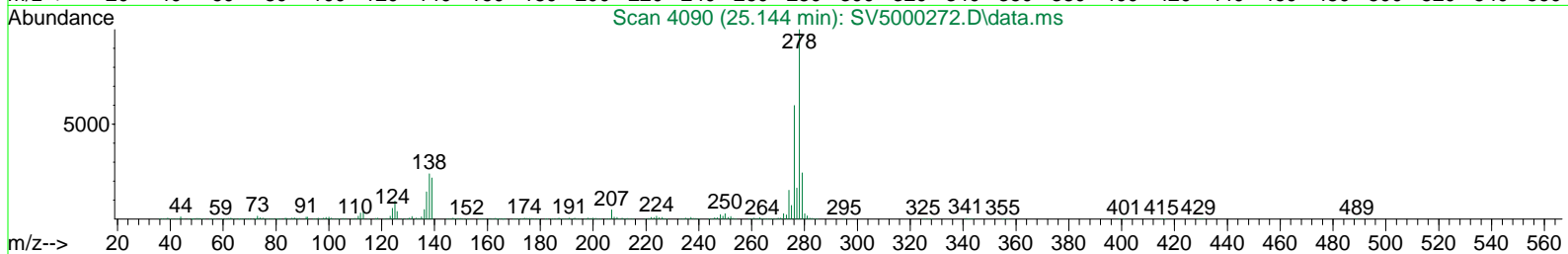
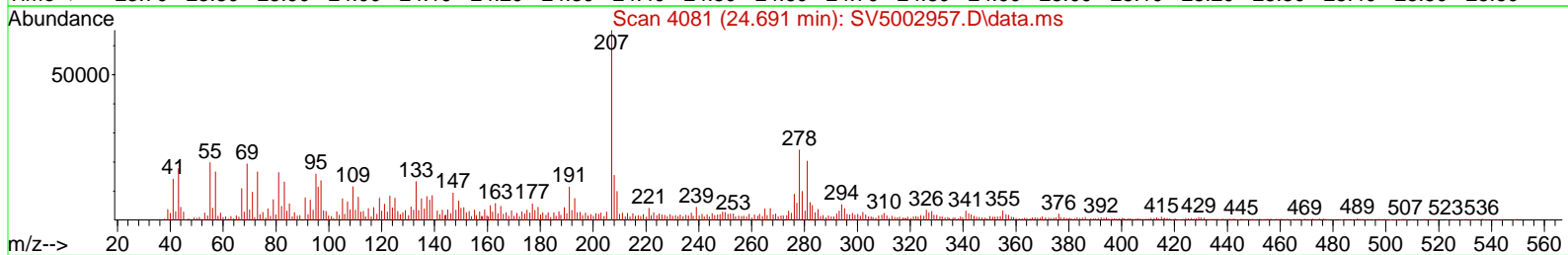
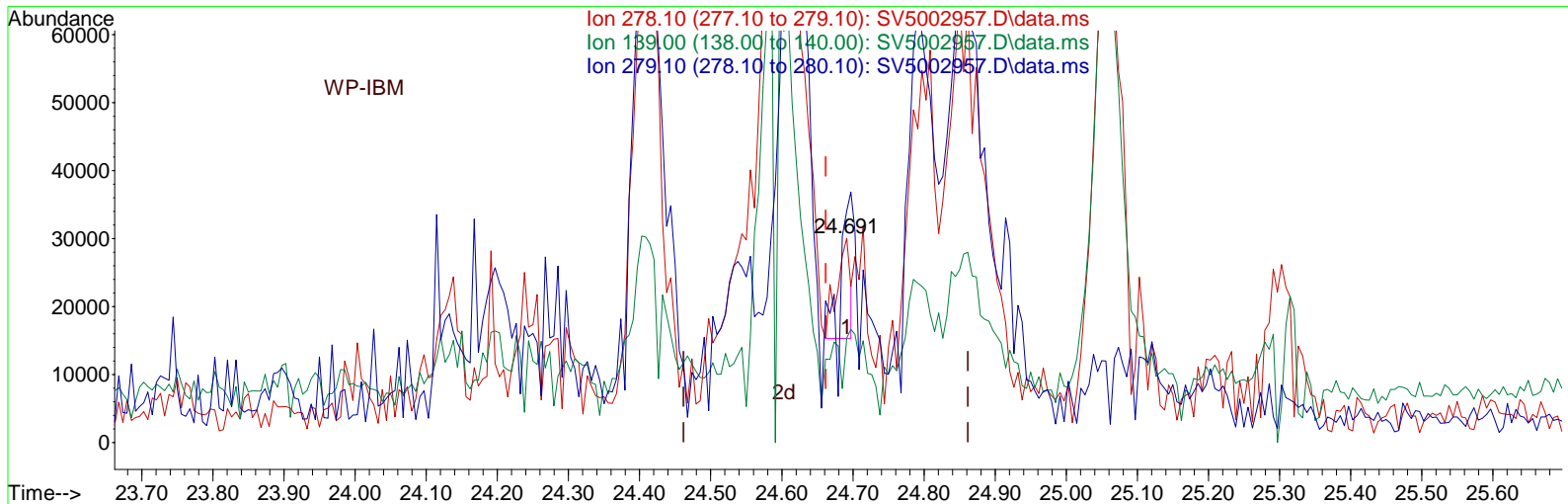
TIC: SV5002957.D\data.ms

(89) Benzo(b)fluoranthene
 22.103min (-0.029) 13.18 ng/uL
 response 1651947

Ion	Exp%	Act%
252.00	100	100
253.00	115.10	120.46
125.00	36.70	36.03
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002957.D
 Acq On : 11 Oct 2012 1:38 am
 Operator : IBM
 Sample : 1210126-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:00:24 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002957.D\data.ms

(93) Dibenzo(a,h)anthracene
 24.691min (+0.029) 0.12 ng/uL
 response 19027

Ion	Exp%	Act%
278.10	100	100
139.00	26.80	38.56
279.10	92.00	85.32
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002957.D
 Acq On : 11 Oct 2012 1:38 am
 Operator : IBM
 Sample : 1210126-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1
 InstName : SVOAMS5

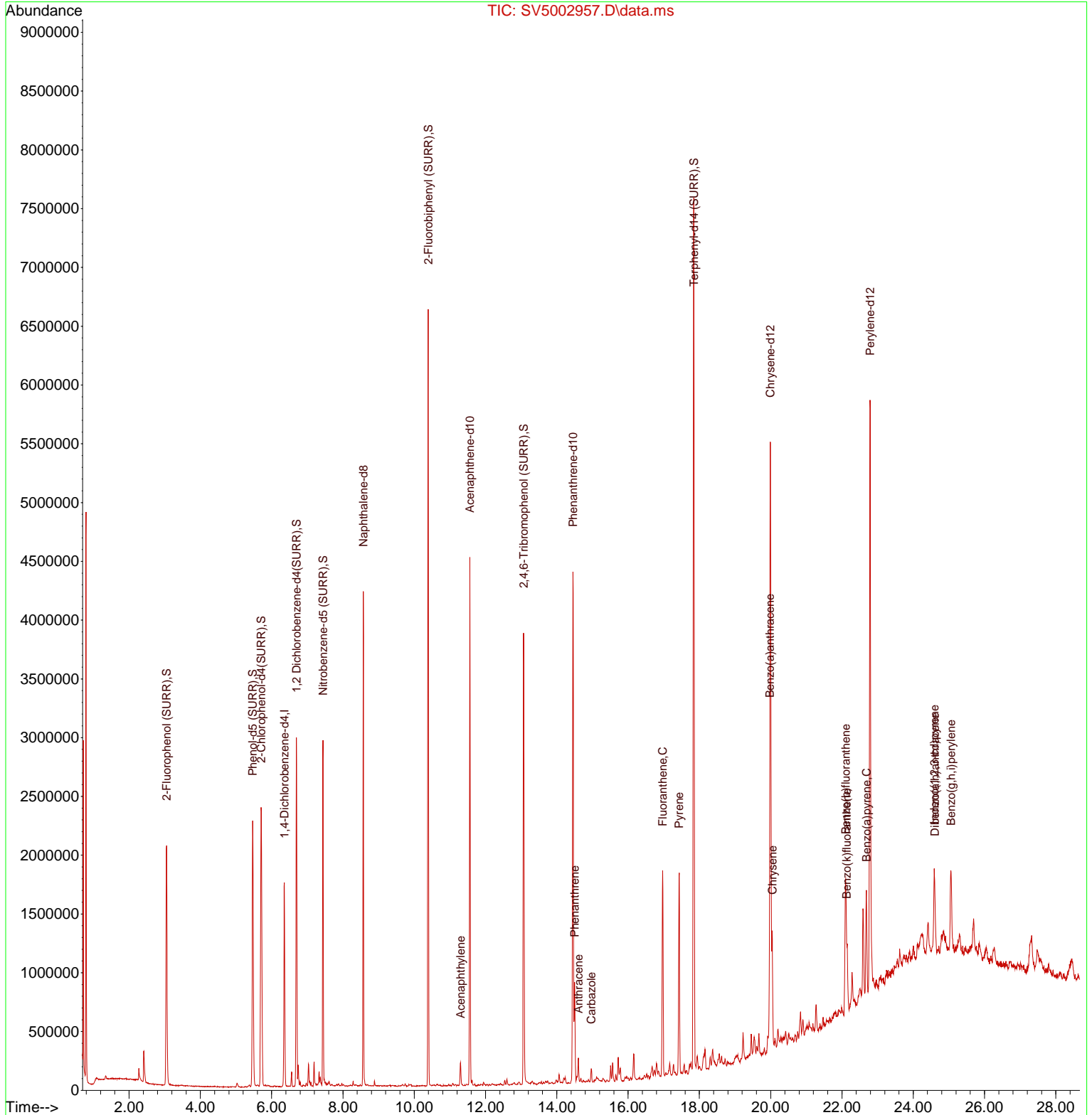
Quant Time: Oct 11 13:02:12 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

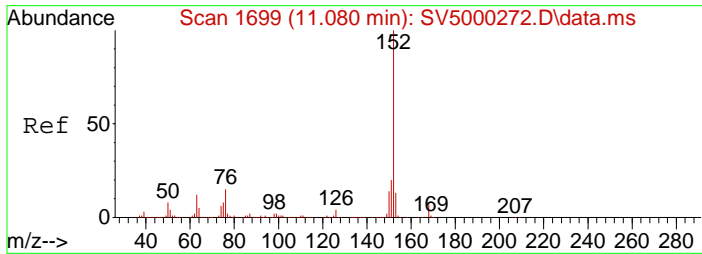
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.357	152	653066	40.00	ng/uL	-0.03
23) Naphthalene-d8	8.569	136	2902923	40.00	ng/uL	-0.02
41) Acenaphthene-d10	11.562	164	1964277	40.00	ng/uL	-0.03
62) Phenanthrene-d10	14.451	188	3520299	40.00	ng/uL	-0.04
79) Chrysene-d12	19.991	240	3940844	40.00	ng/uL	-0.04
87) Perylene-d12	22.785	264	4520305	40.00	ng/uL	-0.04
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.051	112	1346480	80.81	ng/uL	-0.02
Spiked Amount	150.000		Recovery	=	53.87%	
7) Phenol-d5 (SURR)	5.469	99	2029907	88.94	ng/uL	-0.03
Spiked Amount	150.000		Recovery	=	59.29%	
11) 2-Chlorophenol-d4(SURR)	5.704	132	1797080	91.66	ng/uL	-0.04
Spiked Amount	150.000		Recovery	=	61.11%	
14) 1,2 Dichlorobenzene-d4...	6.692	152	892805	54.98	ng/uL	-0.03
Spiked Amount	100.000		Recovery	=	54.98%	
24) Nitrobenzene-d5 (SURR)	7.439	82	1286576	56.68	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	56.68%	
45) 2-Fluorobiphenyl (SURR)	10.392	172	4343499	60.98	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	60.98%	
67) 2,4,6-Tribromophenol (...)	13.068	330	822035	108.31	ng/uL	-0.04
Spiked Amount	150.000		Recovery	=	72.21%	
81) Terphenyl-d14 (SURR)	17.844	244	5622302	66.81	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	66.81%	
Target Compounds						
49) Acenaphthylene	11.298	152	194498	2.20	ng/uL	Qvalue 100
73) Phenanthrene	14.498	178	681698	7.26	ng/uL	99
74) Anthracene	14.603	178	177346	1.94	ng/uL	97
75) Carbazole	14.962	167	120120	1.23	ng/uL#	35
77) Fluoranthene	16.968	202	1600987	15.35	ng/uL	97
80) Pyrene	17.433	202	1482122	12.28	ng/uL	99
84) Benzo(a)anthracene	19.974	228	718951	6.64	ng/uL	99
85) Chrysene	20.044	228	869903	8.27	ng/uL	100
89) Benzo(b)fluoranthene	22.103	252	1241075m	9.90	ng/uL	
90) Benzo(k)fluoranthene	22.132	252	420100m	3.59	ng/uL	
91) Benzo(a)pyrene	22.691	252	838186	6.94	ng/uL	97
92) Indeno(1,2,3-cd)pyrene	24.591	276	810219	4.90	ng/uL	92
93) Dibenzo(a,h)anthracene	24.603	278	362368m	2.35	ng/uL	
94) Benzo(g,h,i)perylene	25.056	276	844785	5.99	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002957.D
 Acq On : 11 Oct 2012 1:38 am
 Operator : IBM
 Sample : 1210126-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1
 InstName : SVOAMS5

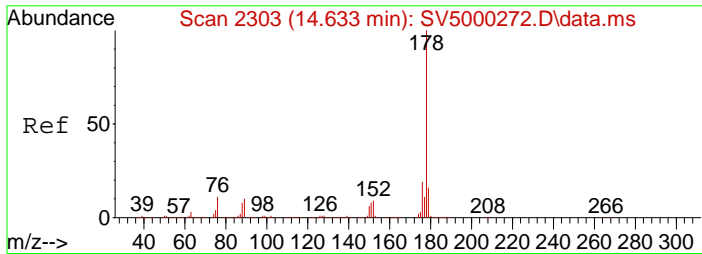
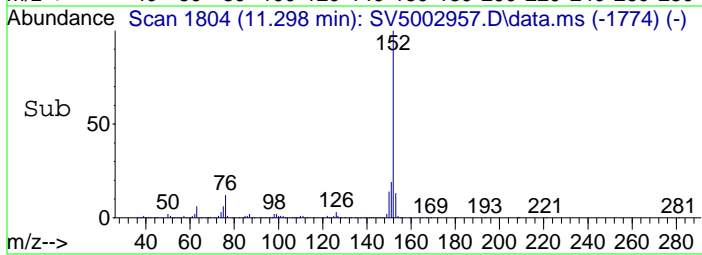
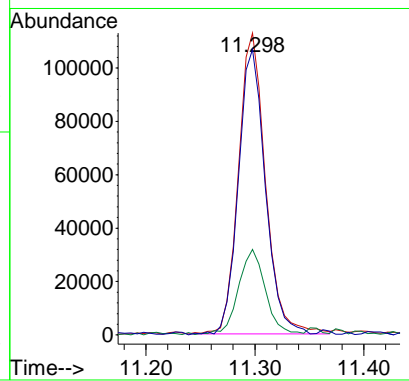
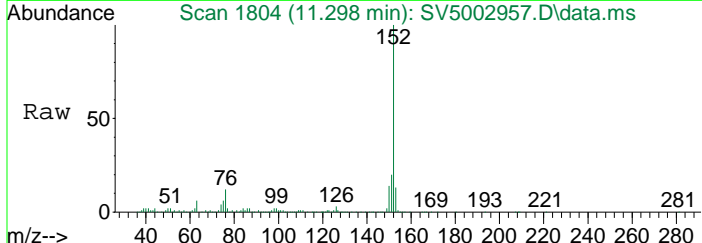
Quant Time: Oct 11 13:02:12 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration





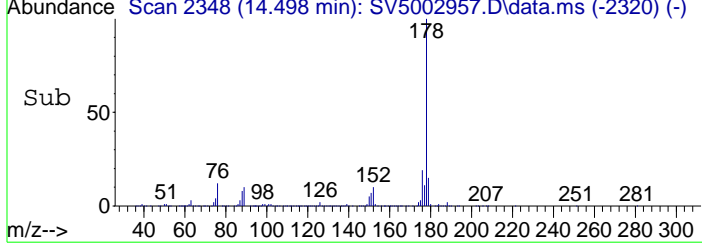
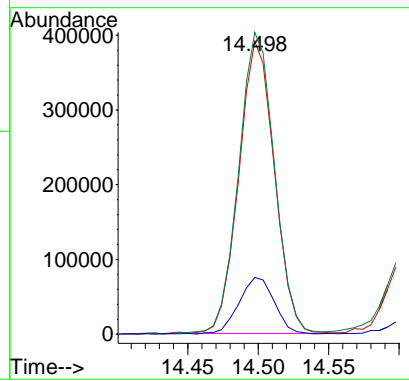
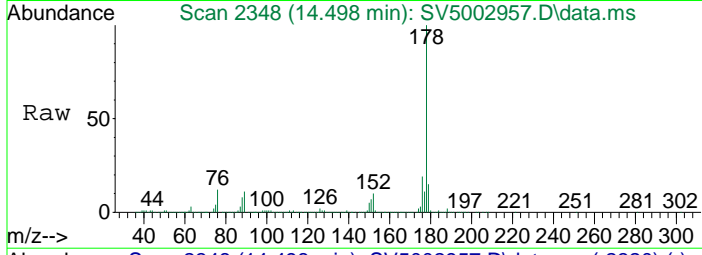
#49
 Acenaphthylene
 Concen: 2.20 ng/uL
 RT: 11.298 min Scan# 1804
 Delta R.T. -0.024 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

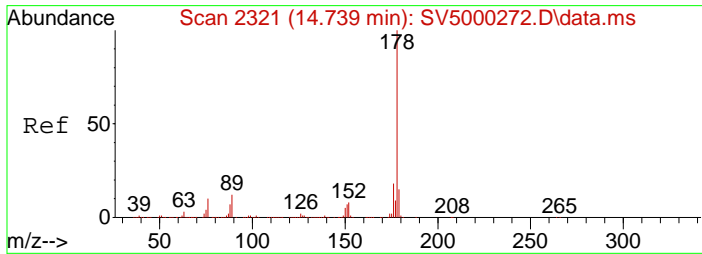
Tgt Ion	Resp	Lower	Upper
152	194498		
151	101.0	71.1	131.1
153	86.1	55.7	115.7



#73
 Phenanthrene
 Concen: 7.26 ng/uL
 RT: 14.498 min Scan# 2348
 Delta R.T. -0.035 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

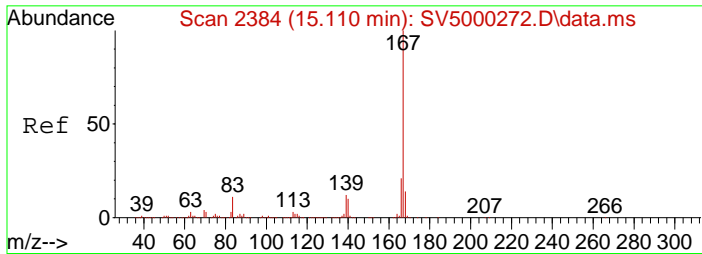
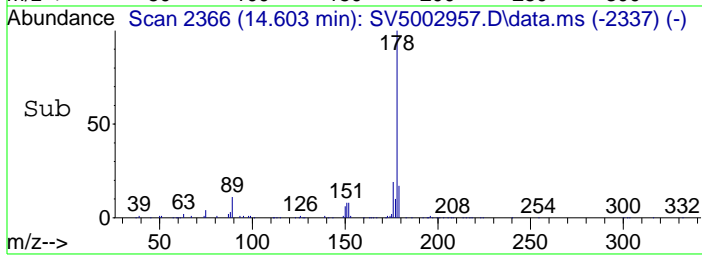
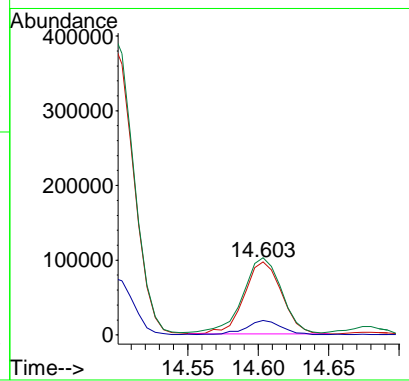
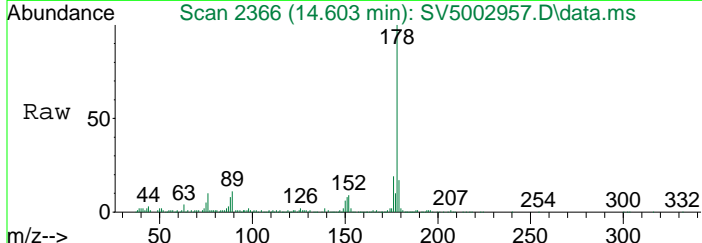
Tgt Ion	Resp	Lower	Upper
178	681698		
179	91.9	61.3	121.3
176	26.2	0.0	56.2





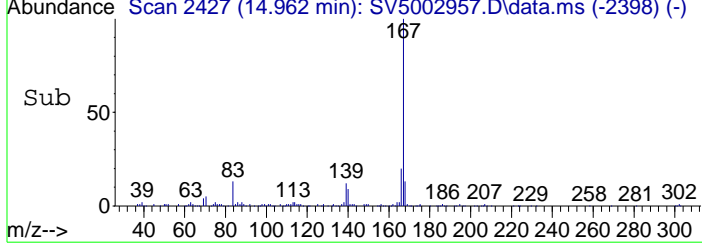
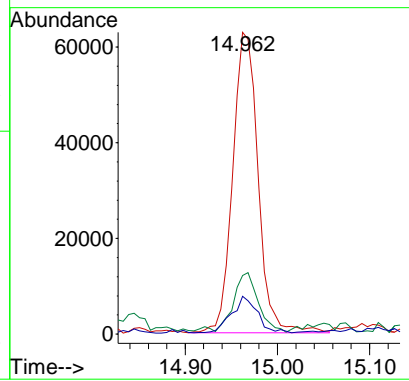
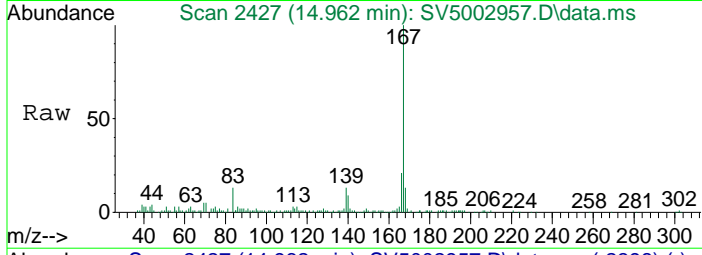
#74
 Anthracene
 Concen: 1.94 ng/uL
 RT: 14.603 min Scan# 2366
 Delta R.T. -0.029 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

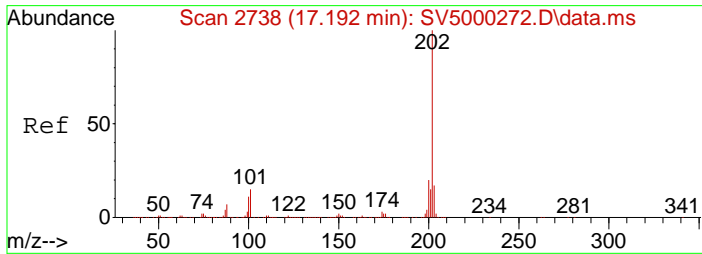
Tgt Ion	Resp	Lower	Upper
178	177346		
179	93.2	63.3	123.3
176	17.3	0.0	54.3



#75
 Carbazole
 Concen: 1.23 ng/ul
 RT: 14.962 min Scan# 2427
 Delta R.T. -0.029 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

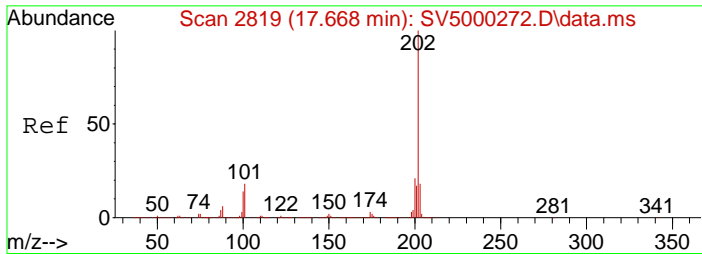
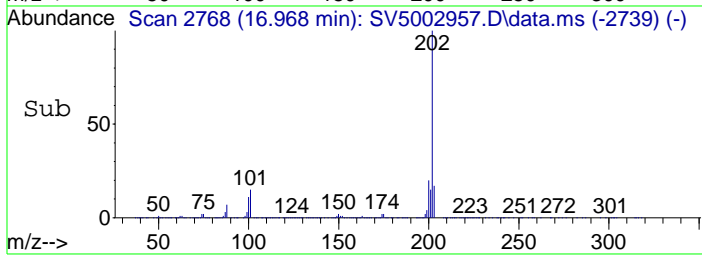
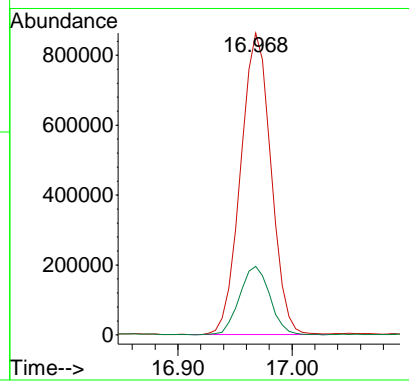
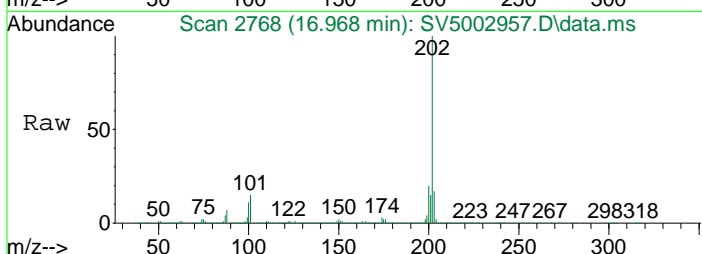
Tgt Ion	Resp	Lower	Upper
167	120120		
166	17.5	60.8	120.8#
139	18.1	0.0	47.9





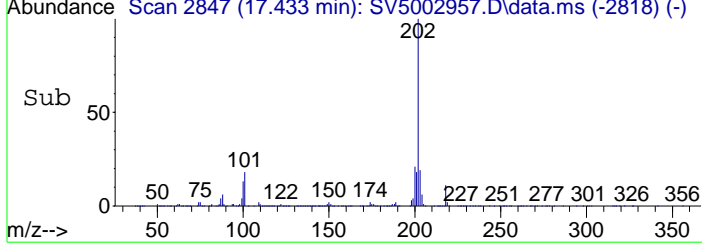
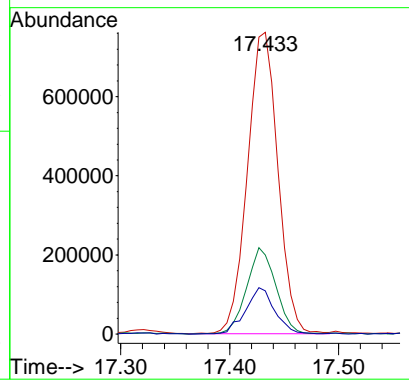
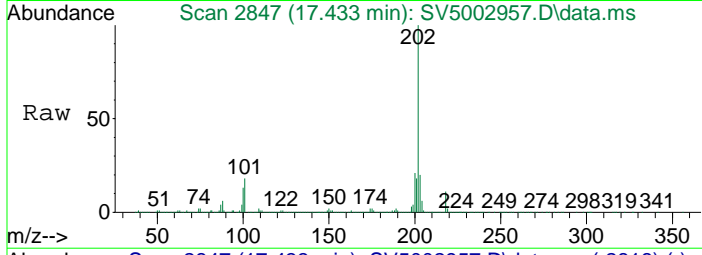
#77
 Fluoranthene
 Concen: 15.35 ng/uL
 RT: 16.968 min Scan# 2768
 Delta R.T. -0.029 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

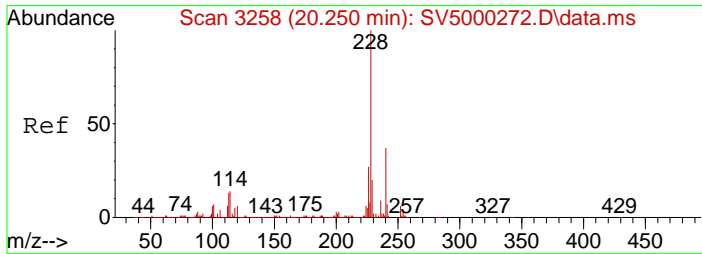
Tgt Ion	Resp	Lower	Upper
202	1600987		
101	19.7	0.0	48.5



#80
 Pyrene
 Concen: 12.28 ng/uL
 RT: 17.433 min Scan# 2847
 Delta R.T. -0.029 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

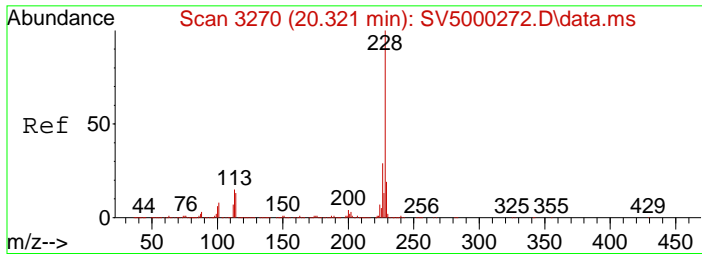
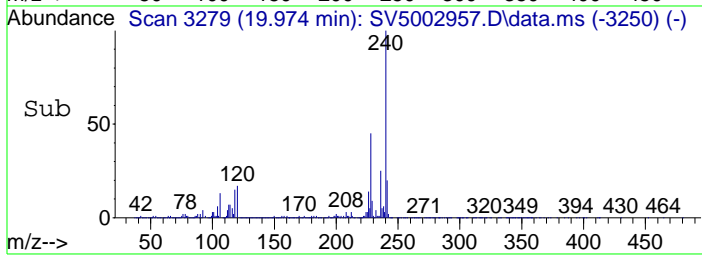
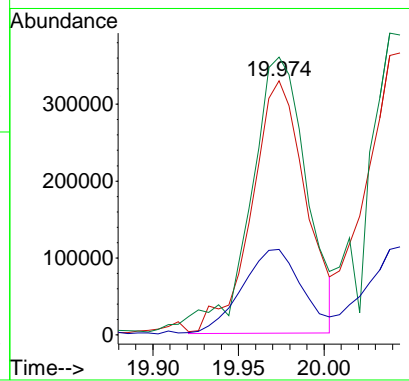
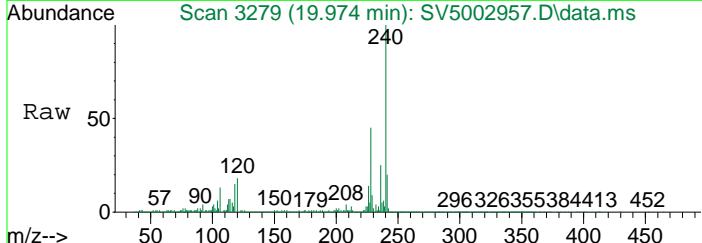
Tgt Ion	Resp	Lower	Upper
202	1482122		
101	22.4	0.0	51.9
100	25.1	0.0	54.2





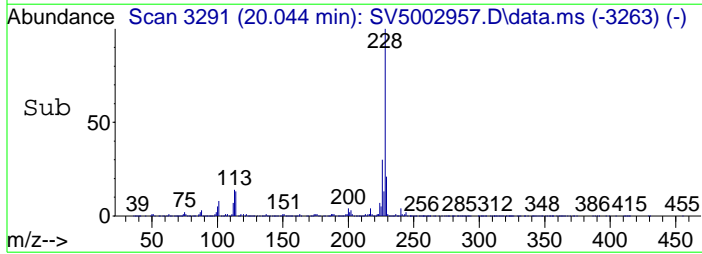
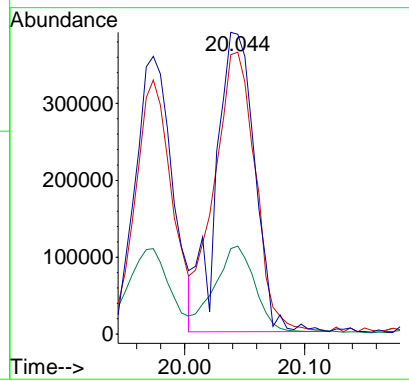
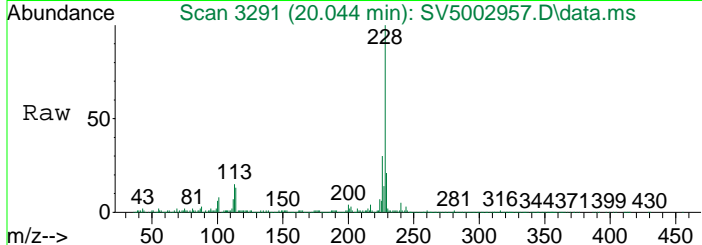
#84
 Benzo(a)anthracene
 Concen: 6.64 ng/uL
 RT: 19.974 min Scan# 3279
 Delta R.T. -0.029 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

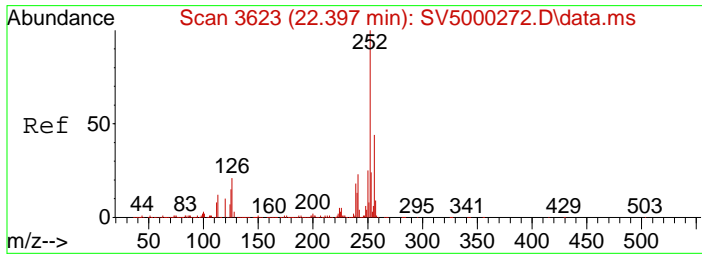
Tgt Ion	Resp	Lower	Upper
228	718951		
229	94.7	65.1	125.1
226	28.3	0.0	55.7



#85
 Chrysene
 Concen: 8.27 ng/uL
 RT: 20.044 min Scan# 3291
 Delta R.T. -0.035 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

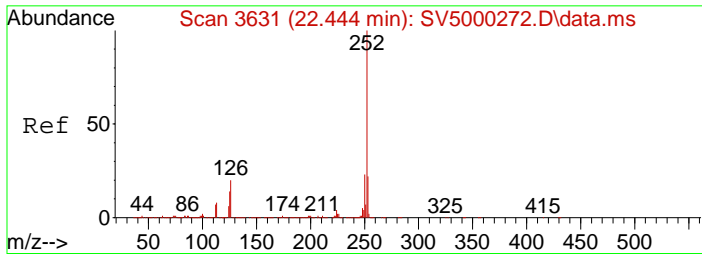
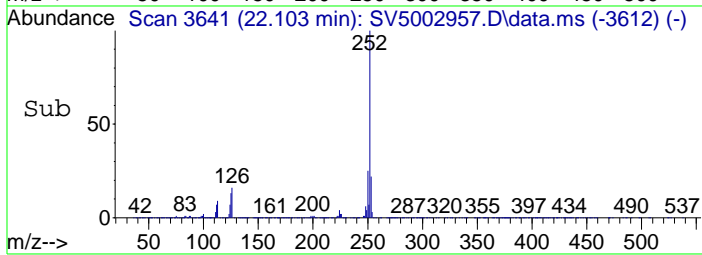
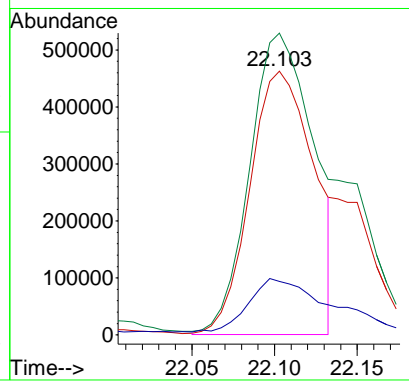
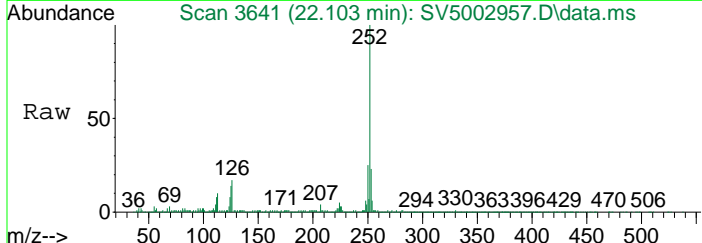
Tgt Ion	Resp	Lower	Upper
228	869903		
226	26.4	0.0	56.8
229	91.4	61.6	121.6





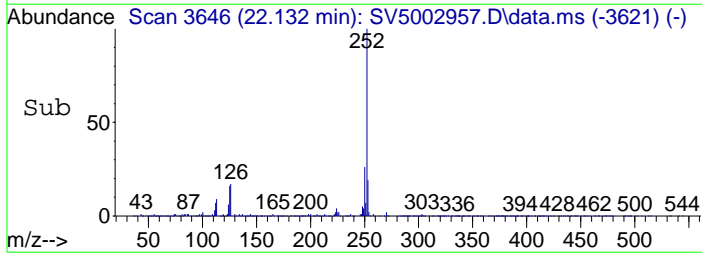
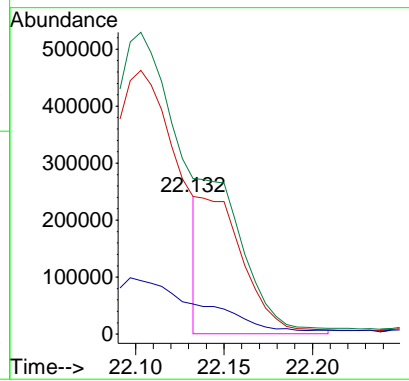
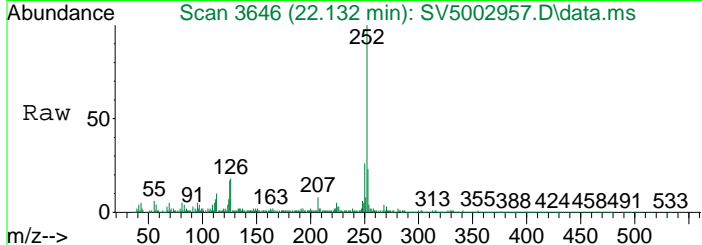
#89
 Benzo(b)fluoranthene
 Concen: 9.90 ng/uL m
 RT: 22.103 min Scan# 3641
 Delta R.T. -0.029 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

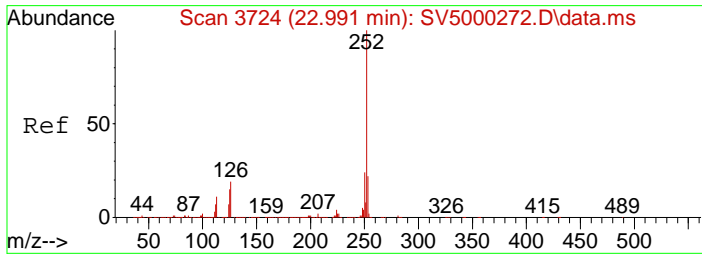
Tgt Ion	Resp	Lower	Upper
252	1241075		
253	22.8	85.1	145.1#
125	14.3	6.7	66.7



#90
 Benzo(k)fluoranthene
 Concen: 3.59 ng/uL m
 RT: 22.132 min Scan# 3646
 Delta R.T. -0.053 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

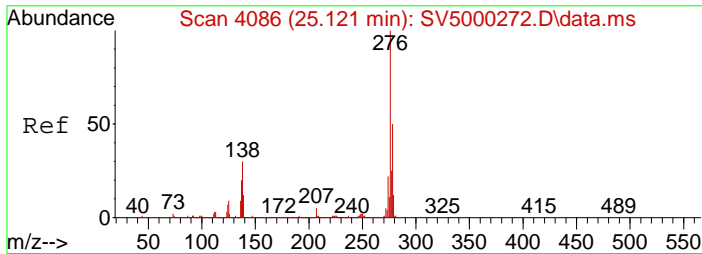
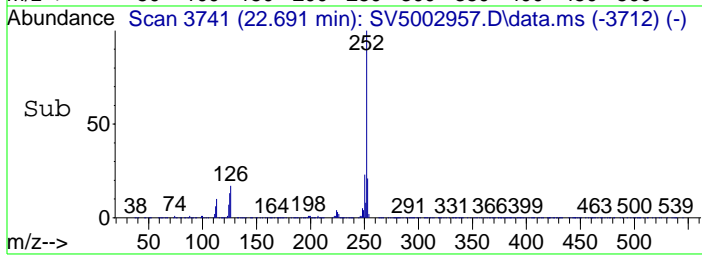
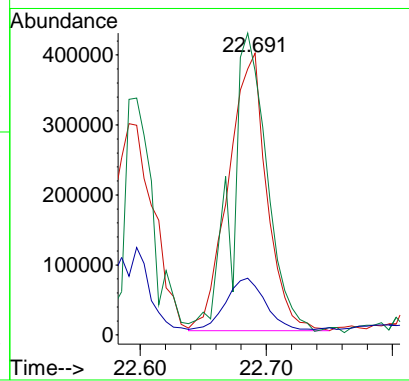
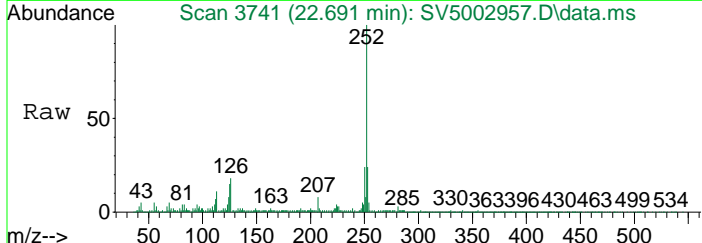
Tgt Ion	Resp	Lower	Upper
252	420100		
253	22.7	83.8	143.8#
125	17.0	2.9	62.9





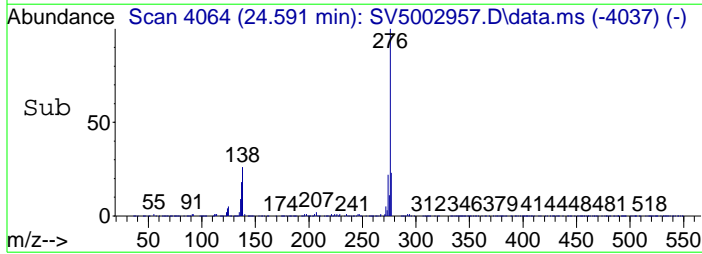
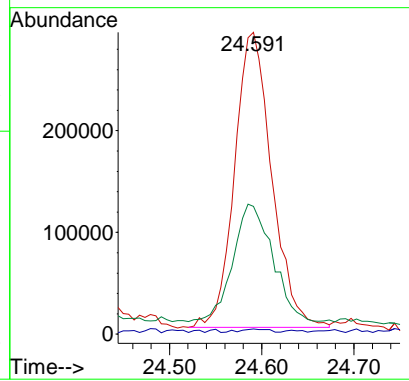
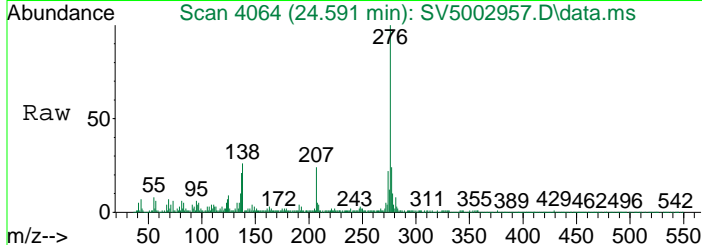
#91
 Benzo(a)pyrene
 Concen: 6.94 ng/uL
 RT: 22.691 min Scan# 3741
 Delta R.T. -0.030 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

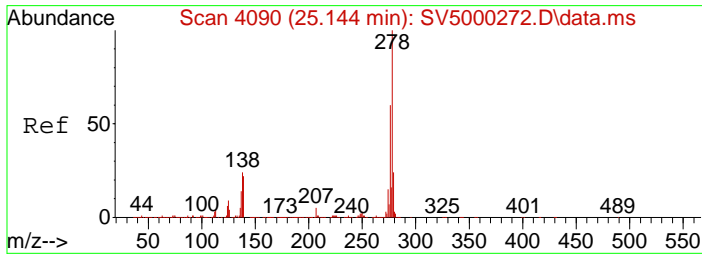
Tgt Ion	Resp	Lower	Upper
252	100		
253	97.4	65.6	125.6
125	30.7	0.0	58.0



#92
 Indeno(1,2,3-cd)pyrene
 Concen: 4.90 ng/uL
 RT: 24.591 min Scan# 4064
 Delta R.T. -0.041 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

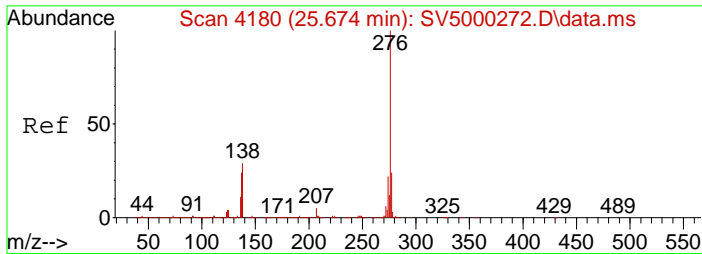
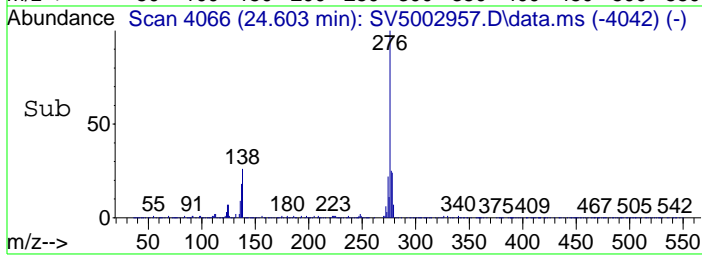
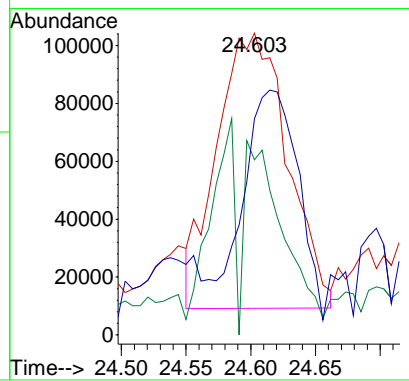
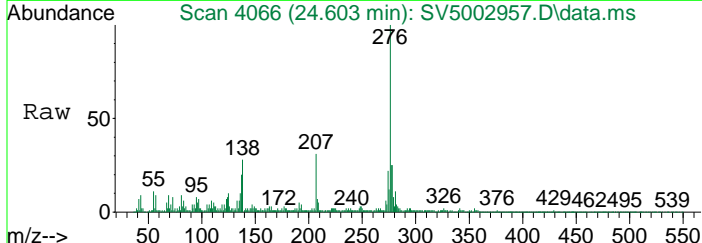
Tgt Ion	Resp	Lower	Upper
276	100		
138	34.7	0.4	60.4
227	1.9	0.0	30.1





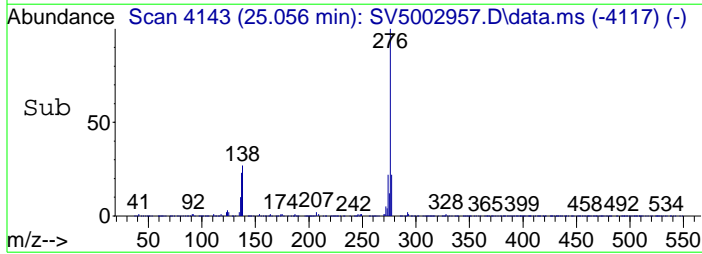
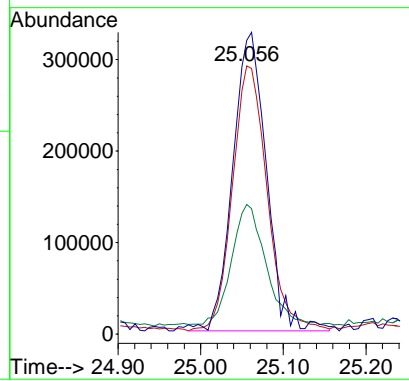
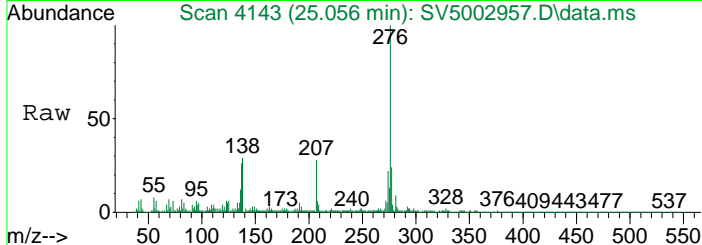
#93
 Dibenzo(a,h)anthracene
 Concen: 2.35 ng/uL m
 RT: 24.603 min Scan# 4066
 Delta R.T. -0.059 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

Tgt Ion	Resp	Lower	Upper
278	362368		
278	100		
139	0.0	0.0	56.8
279	33.6	62.0	122.0#



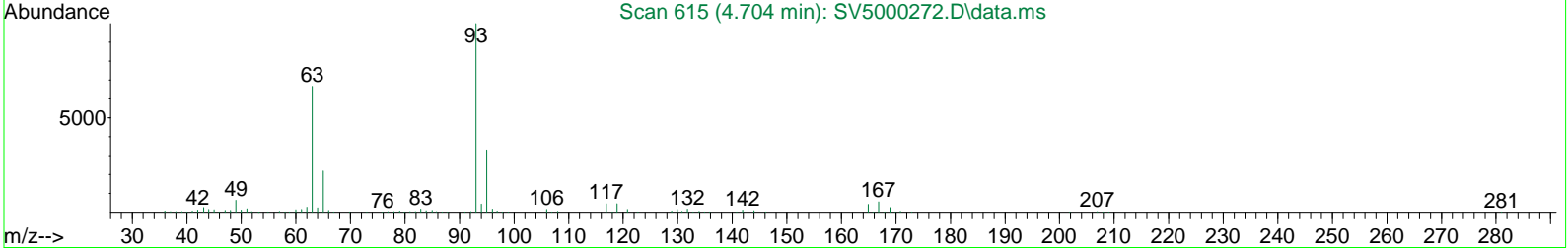
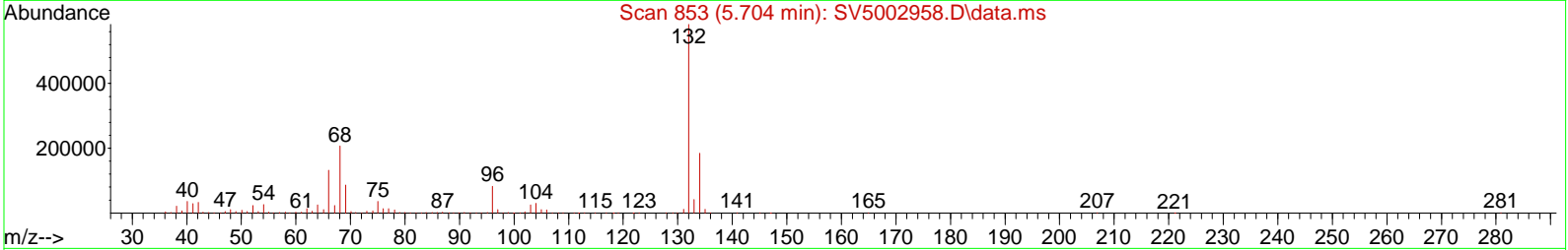
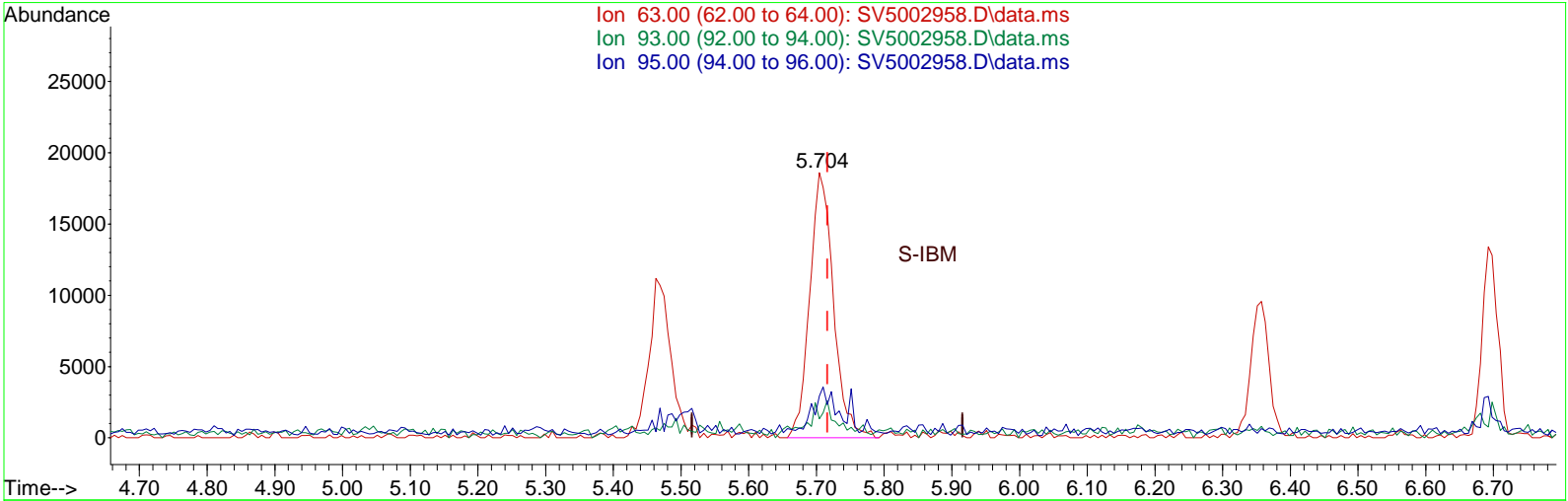
#94
 Benzo(g,h,i)perylene
 Concen: 5.99 ng/uL
 RT: 25.056 min Scan# 4143
 Delta R.T. -0.047 min
 Lab File: SV5002957.D
 Acq: 11 Oct 2012 1:38 am

Tgt Ion	Resp	Lower	Upper
276	844785		
276	100		
138	48.4	10.4	70.4
277	112.7	82.8	142.8



Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002958.D
 Acq On : 11 Oct 2012 2:11 am
 Operator : IBM
 Sample : 1210126-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:02:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



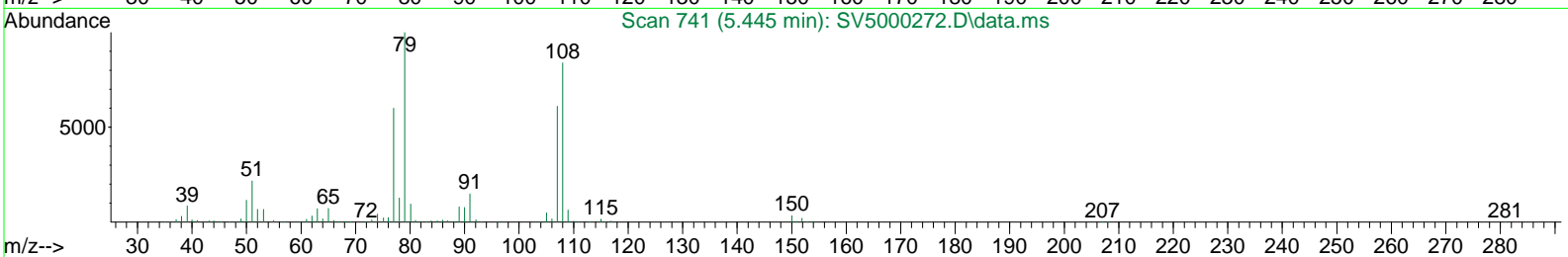
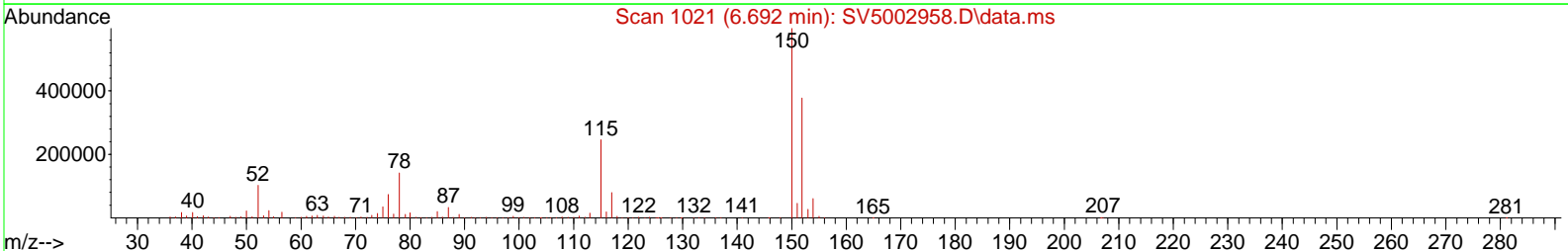
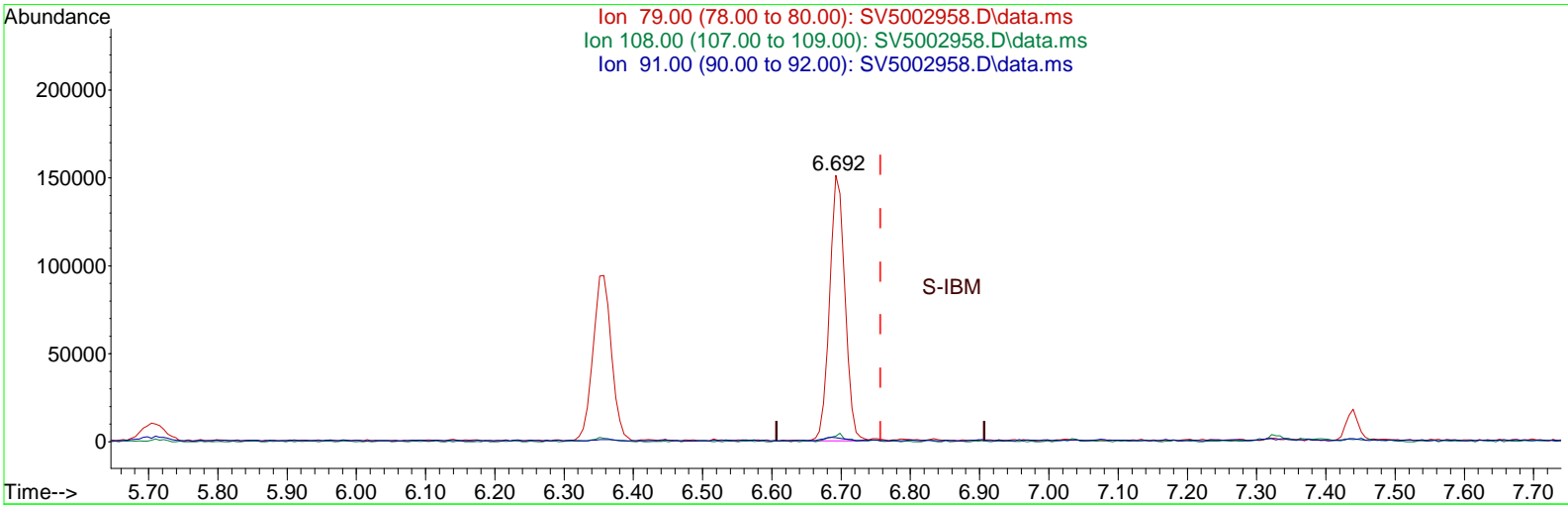
TIC: SV5002958.D\data.ms

(6) bis(2-Chloroethyl)ether
 5.704min (-0.012) 4.52 ng/uL
 response 45287

Ion	Exp%	Act%
63.00	100	100
93.00	146.60	5.51#
95.00	57.90	196.70#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002958.D
 Acq On : 11 Oct 2012 2:11 am
 Operator : IBM
 Sample : 1210126-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:02:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002958.D\data.ms

(16) Benzyl Alcohol

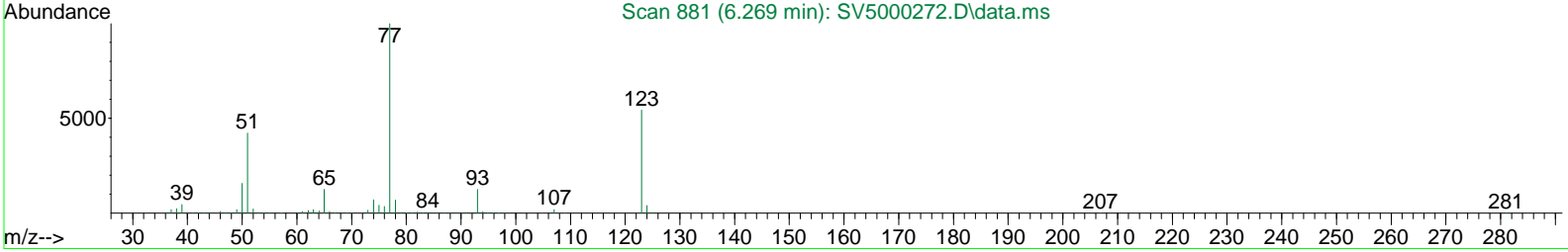
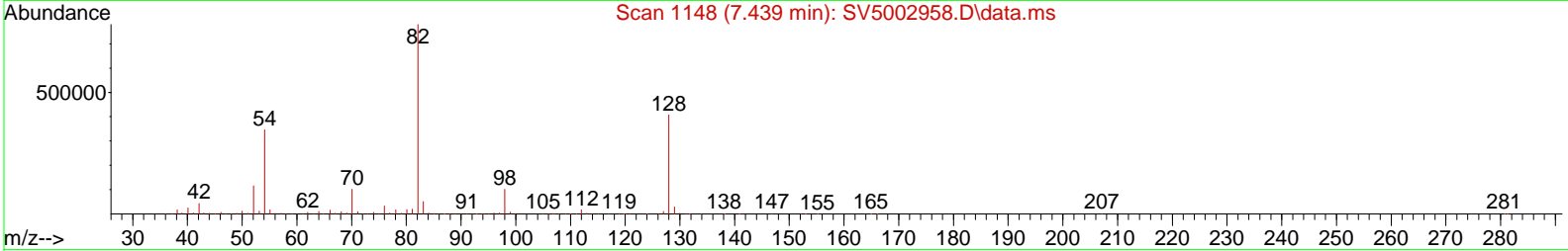
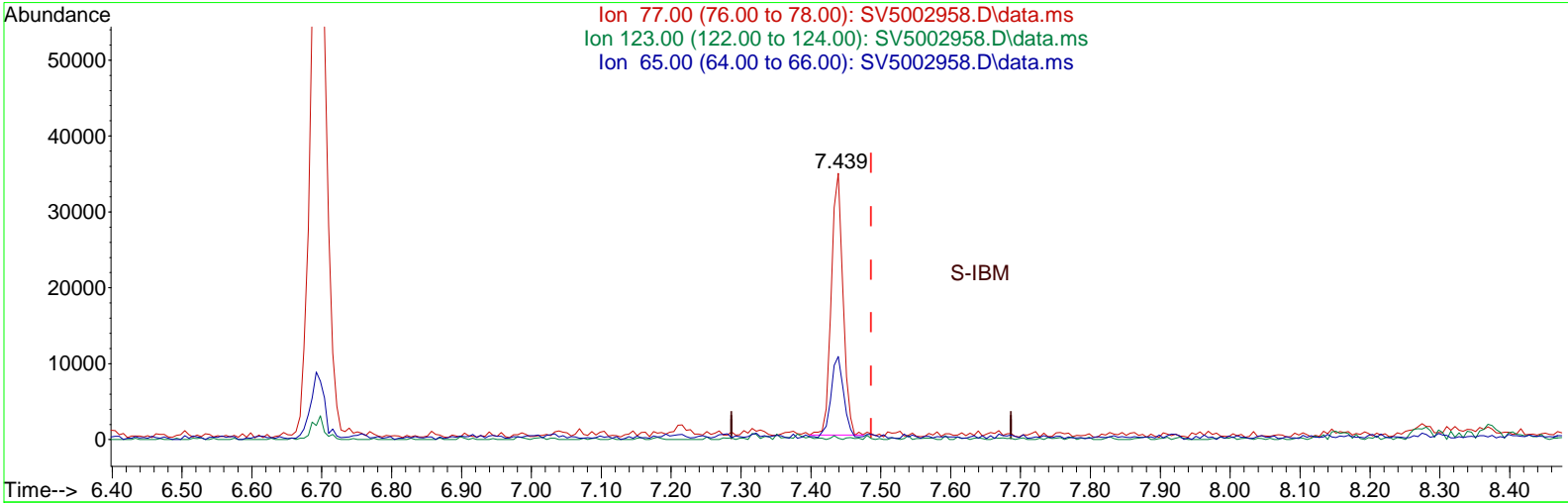
6.692min (-0.065) 16.99 ng/uL

response 231096

Ion	Exp%	Act%
79.00	100	100
108.00	132.20	2.76#
91.00	19.90	1.39
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002958.D
 Acq On : 11 Oct 2012 2:11 am
 Operator : IBM
 Sample : 1210126-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:02:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002958.D\data.ms

(25) Nitrobenzene

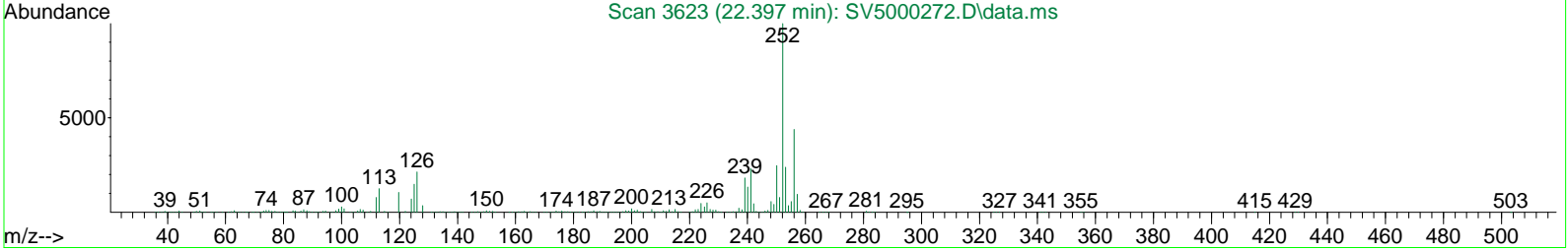
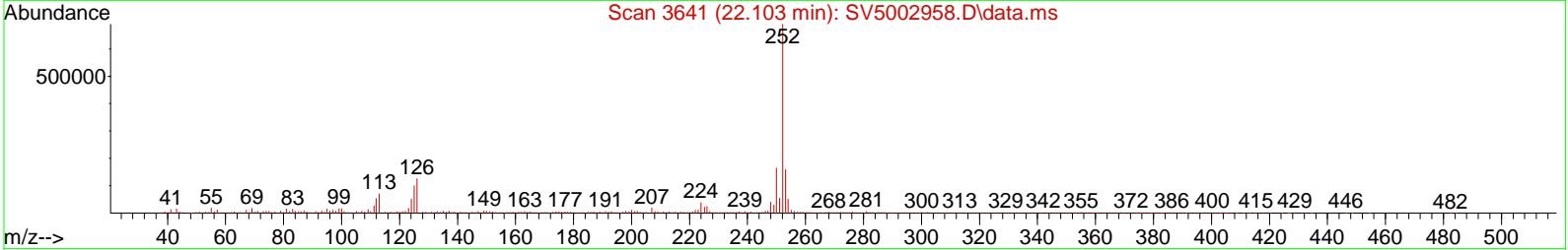
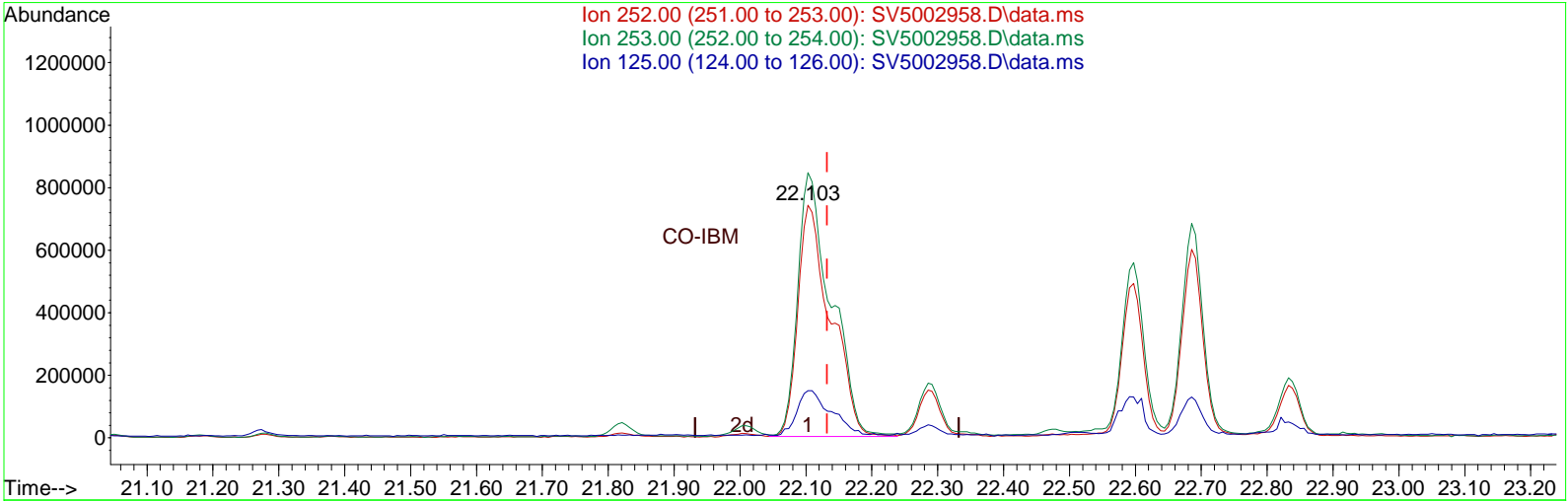
7.439min (-0.047) 2.19 ng/uL

response 40473

Ion	Exp%	Act%
77.00	100	100
123.00	50.60	0.48#
65.00	13.60	31.18
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002958.D
 Acq On : 11 Oct 2012 2:11 am
 Operator : IBM
 Sample : 1210126-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:02:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



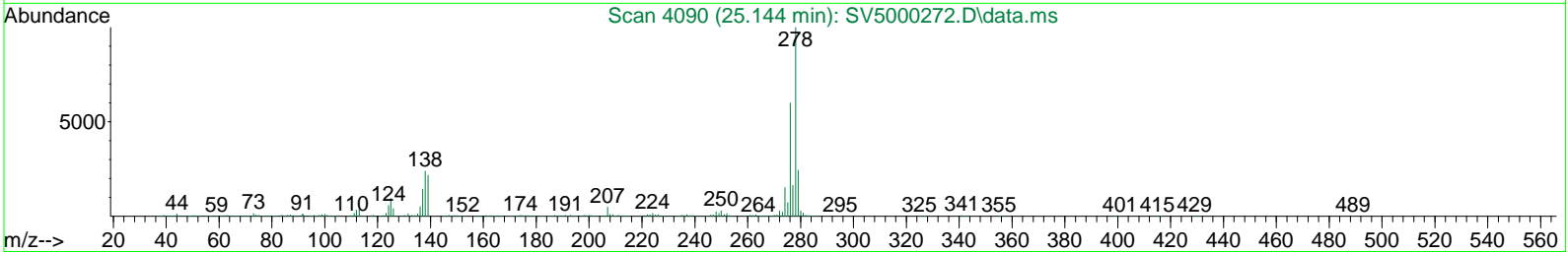
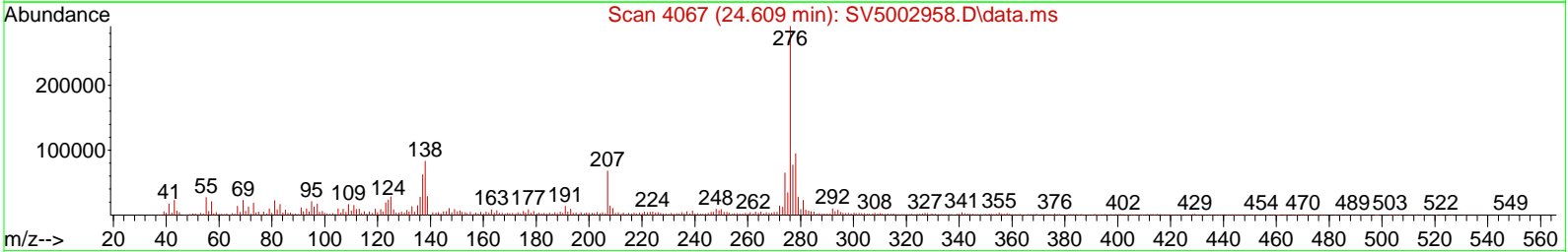
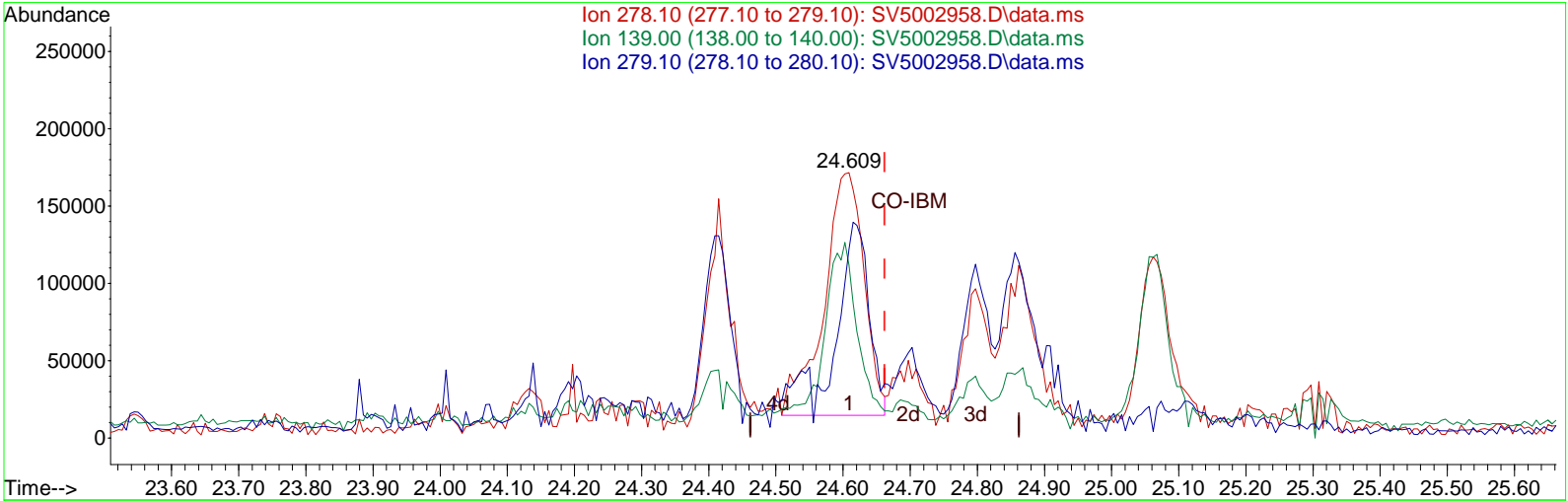
TIC: SV5002958.D\data.ms

(89) Benzo(b)fluoranthene
 22.103min (-0.029) 24.04 ng/uL
 response 2564481

Ion	Exp%	Act%
252.00	100	100
253.00	115.10	120.78
125.00	36.70	37.15
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002958.D
 Acq On : 11 Oct 2012 2:11 am
 Operator : IBM
 Sample : 1210126-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:02:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002958.D\data.ms

(93) Dibenzo(a,h)anthracene
 24.609min (-0.053) 4.99 ng/uL
 response 653574

Ion	Exp%	Act%
278.10	100	100
139.00	26.80	56.11
279.10	92.00	65.50
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002958.D
 Acq On : 11 Oct 2012 2:11 am
 Operator : IBM
 Sample : 1210126-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1
 InstName : SVOAMS5

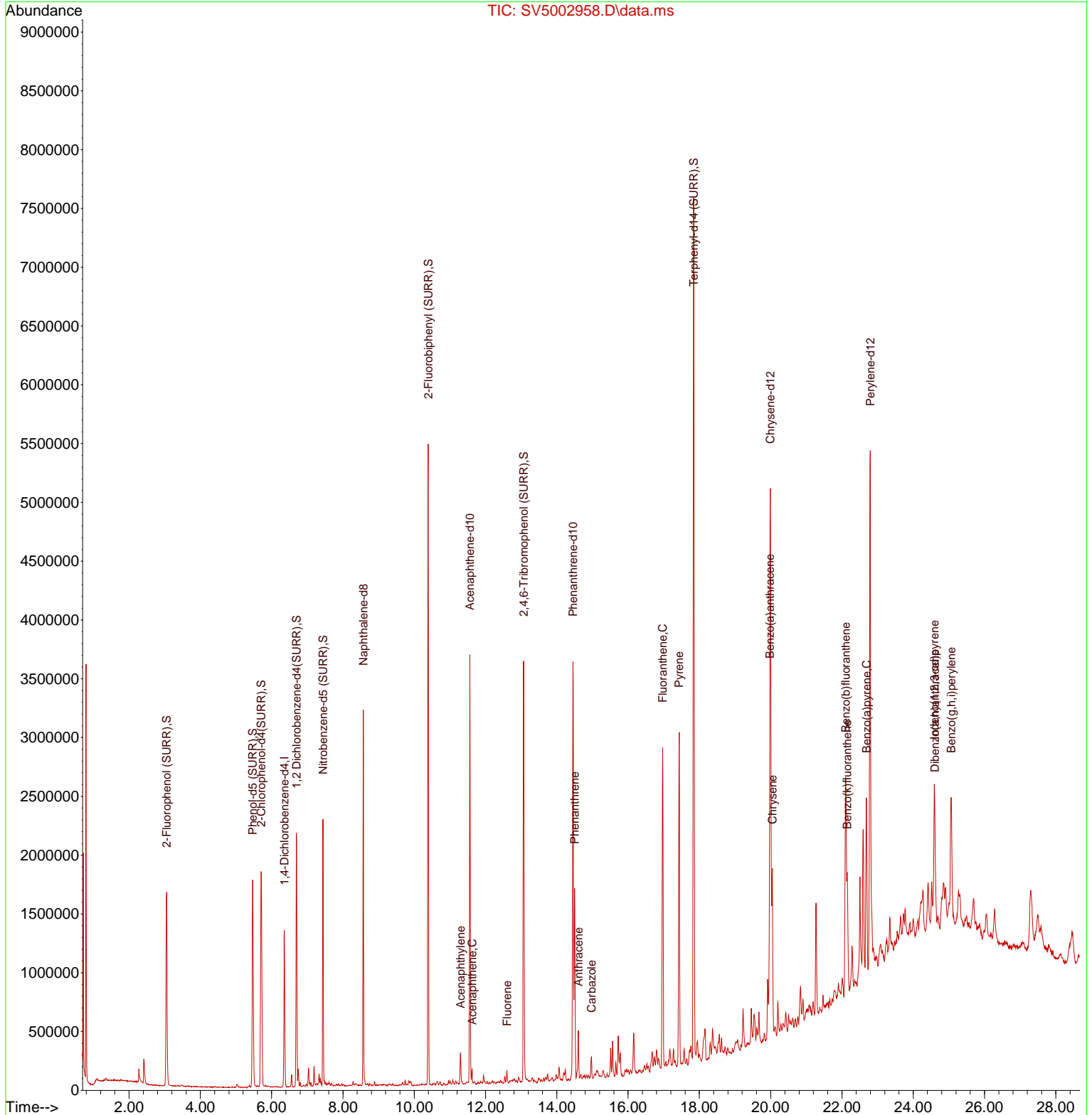
Quant Time: Oct 11 13:04:05 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

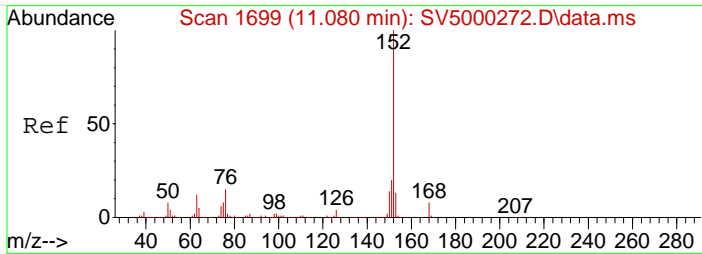
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.357	152	497555	40.00	ng/uL	-0.03	
23) Naphthalene-d8	8.569	136	2208307	40.00	ng/uL	-0.02	
41) Acenaphthene-d10	11.563	164	1586258	40.00	ng/uL	-0.03	
62) Phenanthrene-d10	14.451	188	2865115	40.00	ng/uL	-0.04	
79) Chrysene-d12	19.991	240	3353040	40.00	ng/uL	-0.04	
87) Perylene-d12	22.791	264	3846483	40.00	ng/uL	-0.03	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.051	112	1128803	88.92	ng/uL	-0.02	
Spiked Amount	150.000						Recovery = 59.28%
7) Phenol-d5 (SURR)	5.469	99	1595059	91.73	ng/uL	-0.03	
Spiked Amount	150.000						Recovery = 61.15%
11) 2-Chlorophenol-d4(SURR)	5.704	132	1421735	95.18	ng/uL	-0.04	
Spiked Amount	150.000						Recovery = 63.45%
14) 1,2 Dichlorobenzene-d4...	6.692	152	665251	53.77	ng/uL	-0.03	
Spiked Amount	100.000						Recovery = 53.77%
24) Nitrobenzene-d5 (SURR)	7.439	82	978807	56.68	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 56.68%
45) 2-Fluorobiphenyl (SURR)	10.392	172	3616551	62.87	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 62.87%
67) 2,4,6-Tribromophenol (...)	13.068	330	769163	124.52	ng/uL	-0.04	
Spiked Amount	150.000						Recovery = 83.01%
81) Terphenyl-d14 (SURR)	17.839	244	5439124	75.97	ng/uL	-0.03	
Spiked Amount	100.000						Recovery = 75.97%
Target Compounds							
							Qvalue
49) Acenaphthylene	11.298	152	254859	3.58	ng/uL		89
52) Acenaphthene	11.621	153	68811	1.19	ng/uL#		44
58) Fluorene	12.598	166	109604	1.24	ng/uL		92
73) Phenanthrene	14.498	178	1321386	17.29	ng/uL		100
74) Anthracene	14.604	178	338193	4.55	ng/uL		99
75) Carbazole	14.968	167	190837	2.39	ng/uL		98
77) Fluoranthene	16.968	202	2471815	29.13	ng/uL		96
80) Pyrene	17.433	202	2383644	23.20	ng/uL		98
84) Benzo(a)anthracene	19.974	228	1150839	12.49	ng/uL		99
85) Chrysene	20.044	228	1325235	14.81	ng/uL		99
89) Benzo(b)fluoranthene	22.103	252	2028811m	19.02	ng/uL		
90) Benzo(k)fluoranthene	22.144	252	573260m	5.76	ng/uL		
91) Benzo(a)pyrene	22.685	252	1306884	12.71	ng/uL		97
92) Indeno(1,2,3-cd)pyrene	24.591	276	1335959	9.50	ng/uL		93
93) Dibenzo(a,h)anthracene	24.609	278	565347m	4.31	ng/uL		
94) Benzo(g,h,i)perylene	25.062	276	1382930	11.53	ng/uL		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002958.D
 Acq On : 11 Oct 2012 2:11 am
 Operator : IBM
 Sample : 1210126-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1
 InstName : SVOAMS5

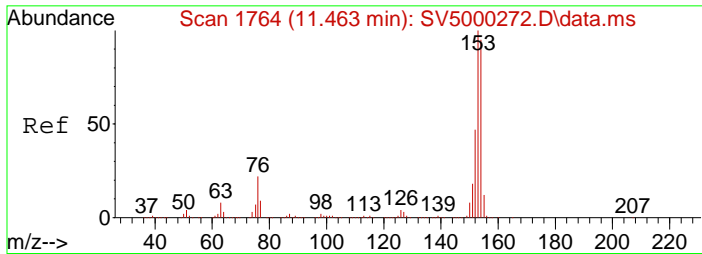
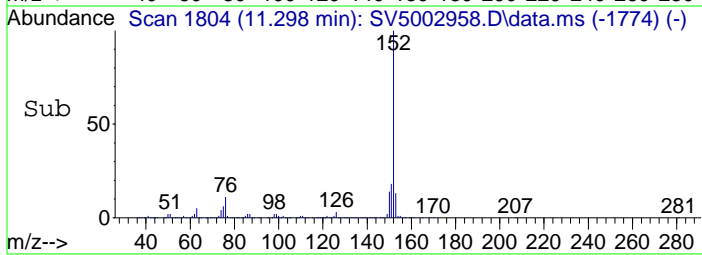
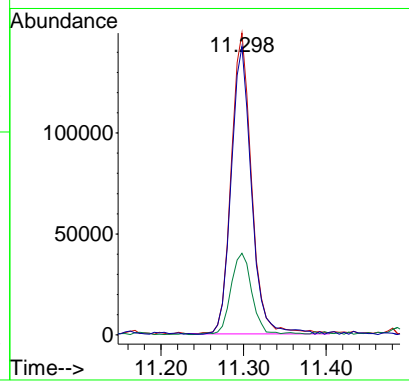
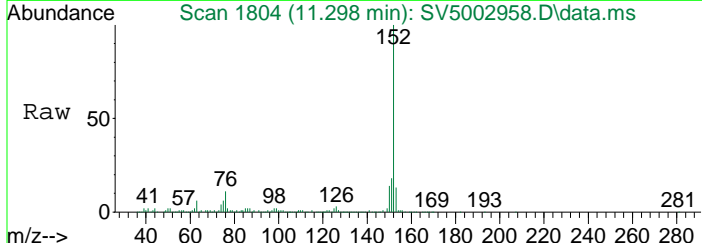
Quant Time: Oct 11 13:04:05 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration





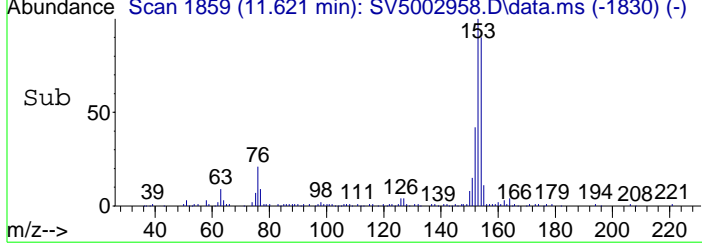
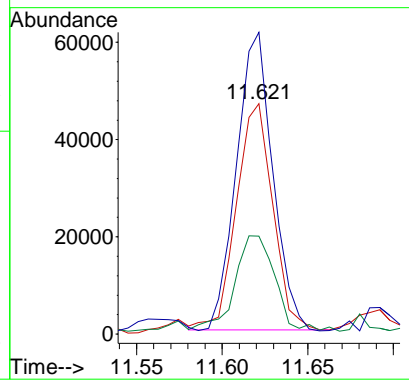
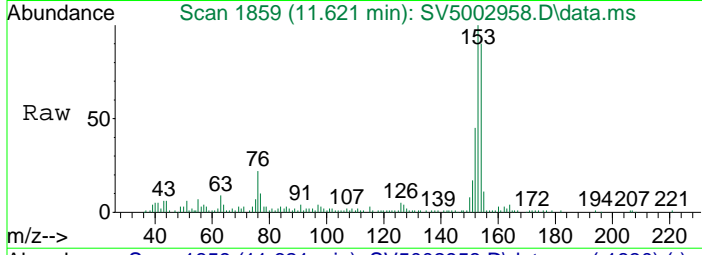
#49
 Acenaphthylene
 Concen: 3.58 ng/uL
 RT: 11.298 min Scan# 1804
 Delta R.T. -0.023 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

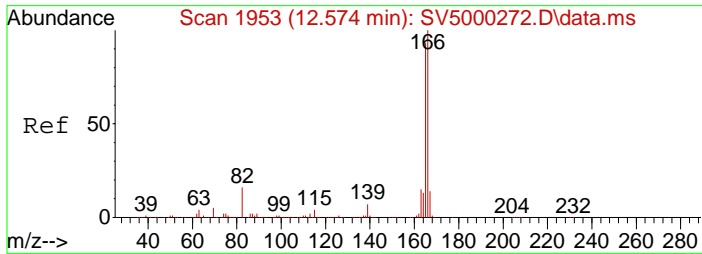
Tgt Ion	Resp	Lower	Upper
152	254859		
151	111.6	71.1	131.1
153	95.5	55.7	115.7



#52
 Acenaphthene
 Concen: 1.19 ng/uL
 RT: 11.621 min Scan# 1859
 Delta R.T. -0.029 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

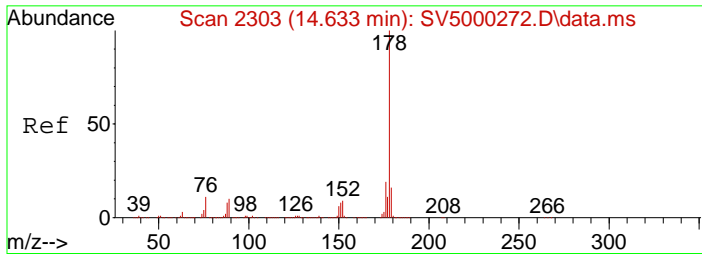
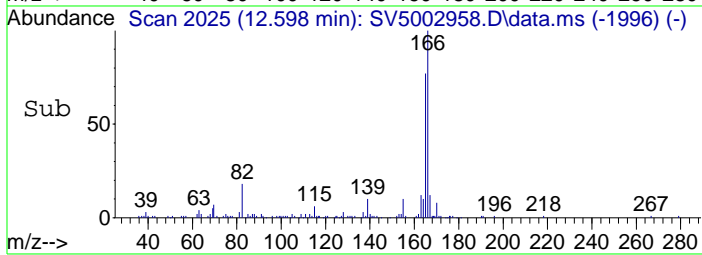
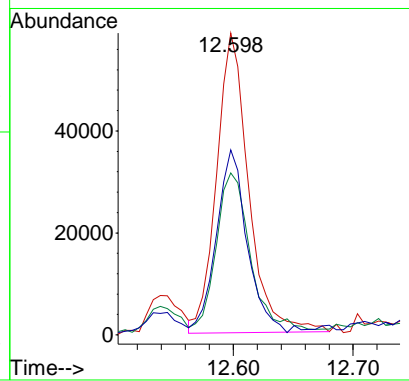
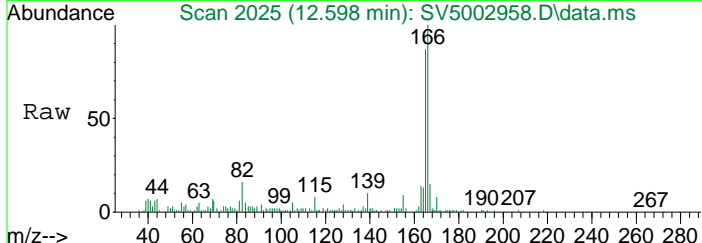
Tgt Ion	Resp	Lower	Upper
153	68811		
152	111.5	38.3	98.3#
154	138.7	55.3	115.3#





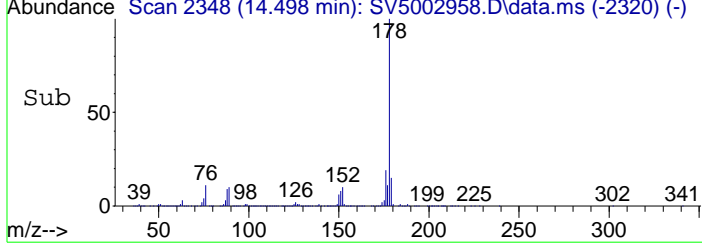
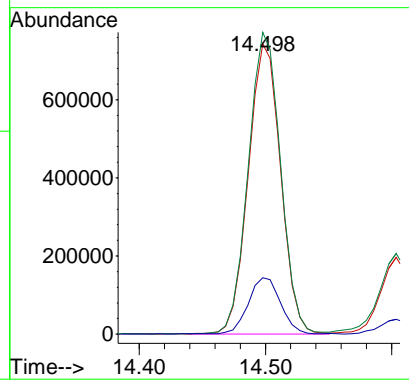
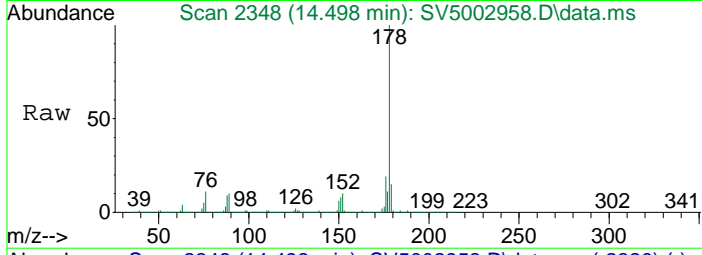
#58
 Fluorene
 Concen: 1.24 ng/uL
 RT: 12.598 min Scan# 2025
 Delta R.T. -0.029 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

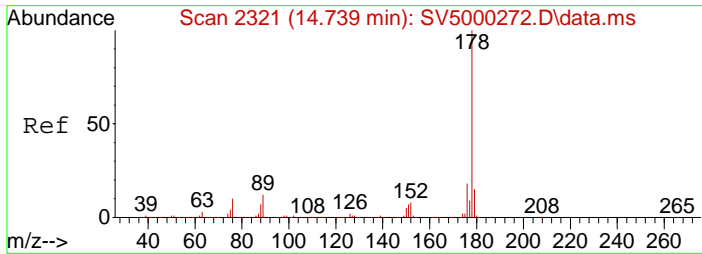
Tgt Ion	166	Resp	109604		
Ion Ratio	166	Lower	70.0	Upper	130.0
165	107.0	70.0	130.0		
167	62.5	25.8	85.8		



#73
 Phenanthrene
 Concen: 17.29 ng/uL
 RT: 14.498 min Scan# 2348
 Delta R.T. -0.035 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

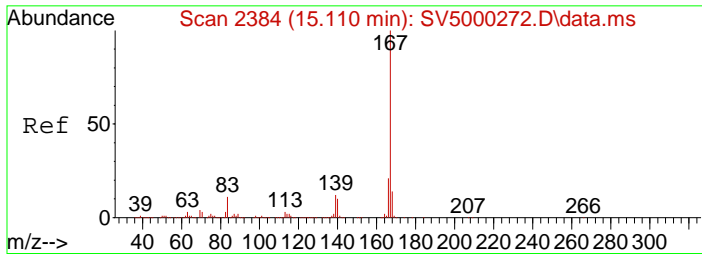
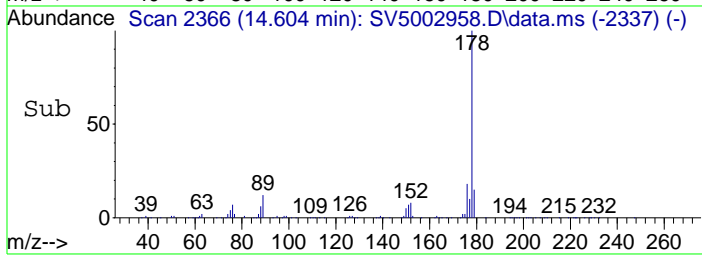
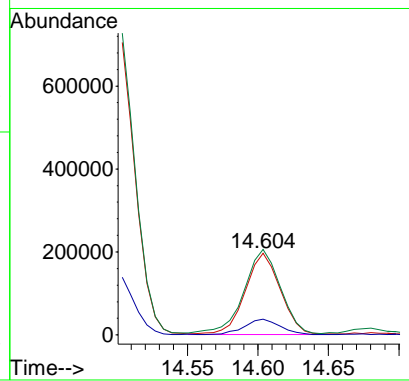
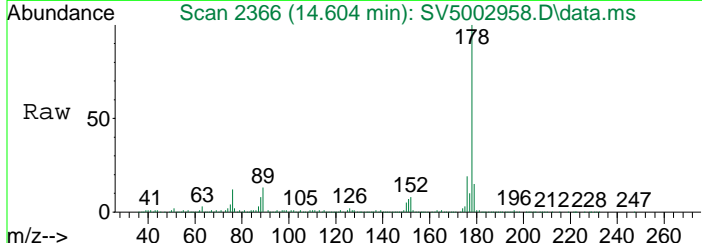
Tgt Ion	178	Resp	1321386		
Ion Ratio	178	Lower	61.3	Upper	121.3
179	91.4	61.3	121.3		
176	25.7	0.0	56.2		





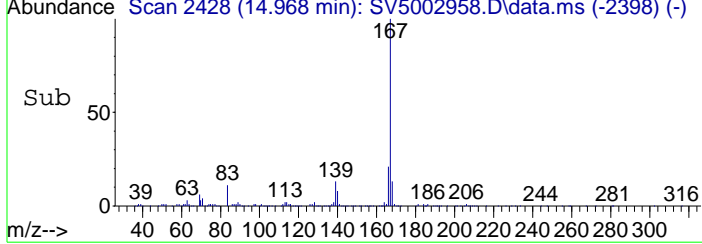
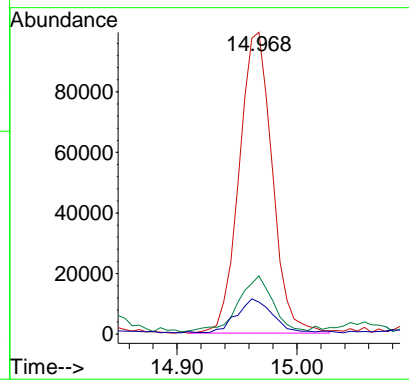
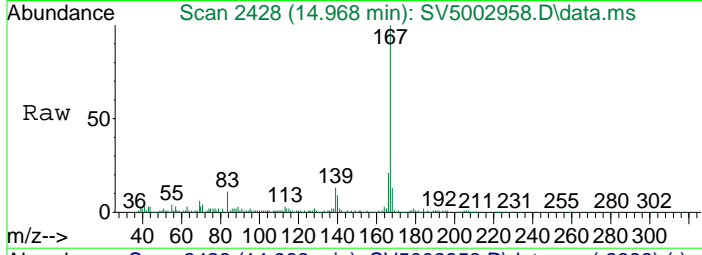
#74
 Anthracene
 Concen: 4.55 ng/uL
 RT: 14.604 min Scan# 2366
 Delta R.T. -0.029 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

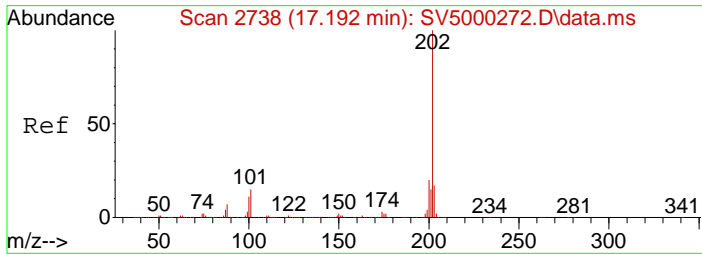
Tgt Ion	Resp	Lower	Upper
178	338193		
179	92.1	63.3	123.3
176	24.8	0.0	54.3



#75
 Carbazole
 Concen: 2.39 ng/uL
 RT: 14.968 min Scan# 2428
 Delta R.T. -0.023 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

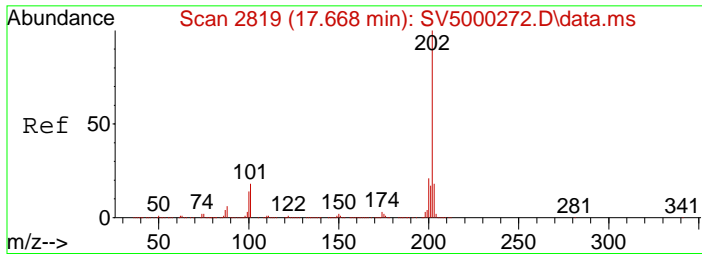
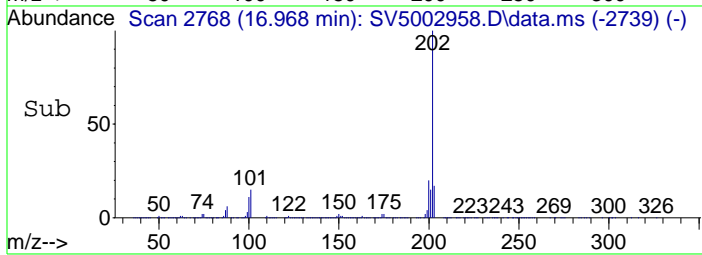
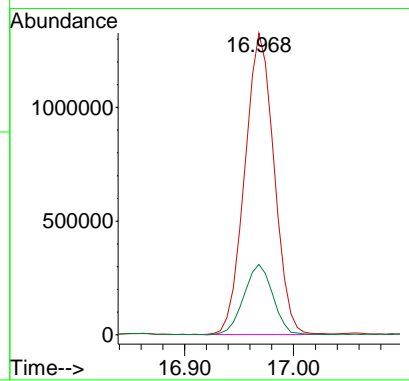
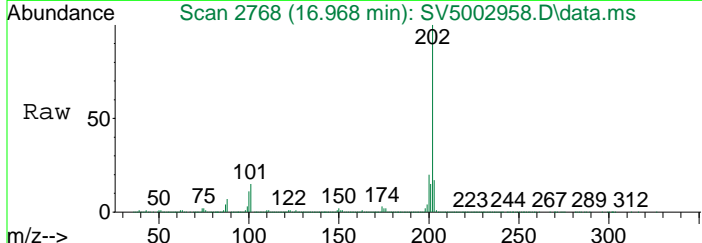
Tgt Ion	Resp	Lower	Upper
167	190837		
166	91.9	60.8	120.8
139	15.9	0.0	47.9





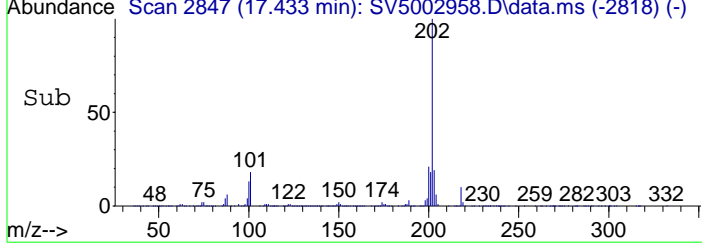
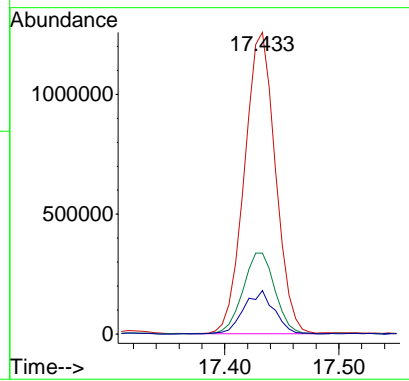
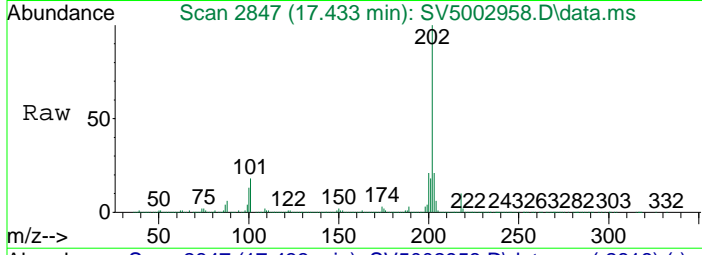
#77
 Fluoranthene
 Concen: 29.13 ng/uL
 RT: 16.968 min Scan# 2768
 Delta R.T. -0.029 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

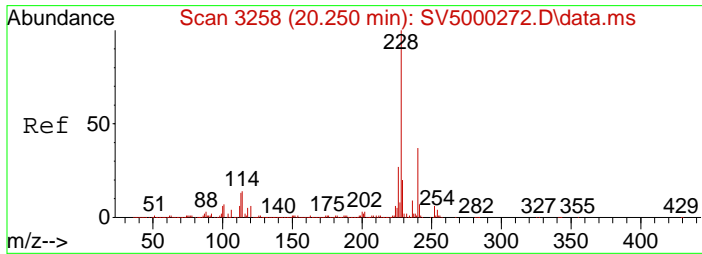
Tgt Ion	Resp	Lower	Upper
202	100		
101	20.3	0.0	48.5



#80
 Pyrene
 Concen: 23.20 ng/uL
 RT: 17.433 min Scan# 2847
 Delta R.T. -0.029 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

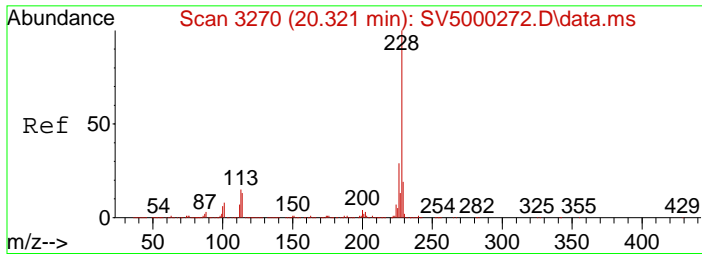
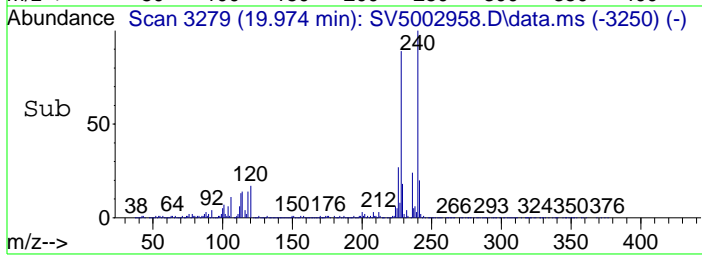
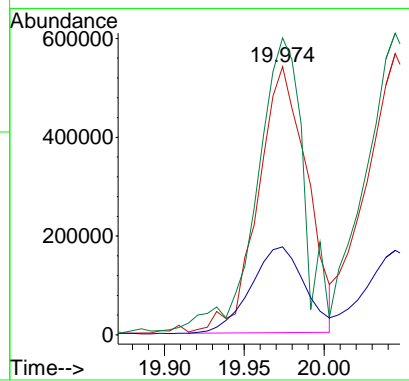
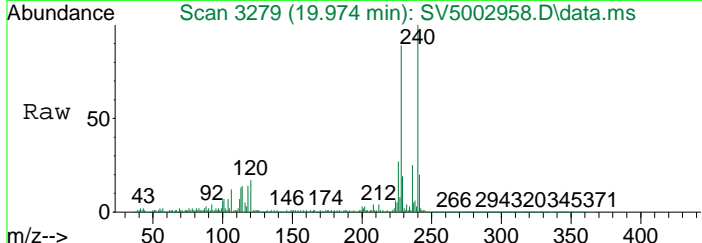
Tgt Ion	Resp	Lower	Upper
202	100		
101	22.8	0.0	51.9
100	25.4	0.0	54.2





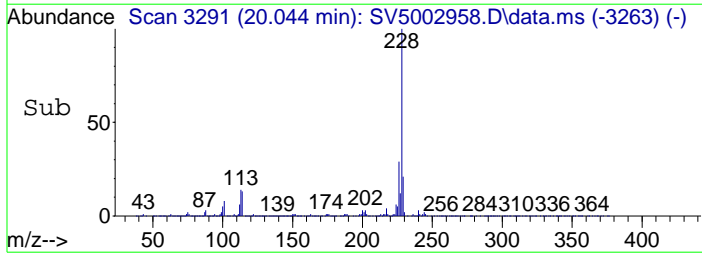
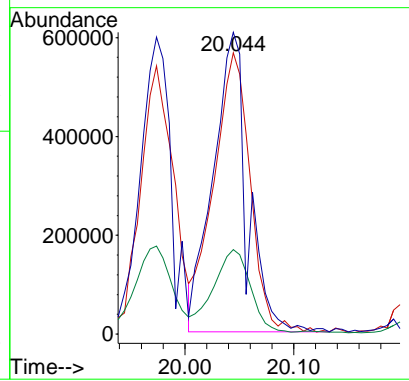
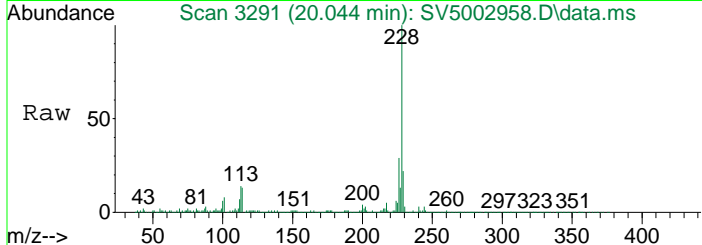
#84
 Benzo(a)anthracene
 Concen: 12.49 ng/uL
 RT: 19.974 min Scan# 3279
 Delta R.T. -0.029 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

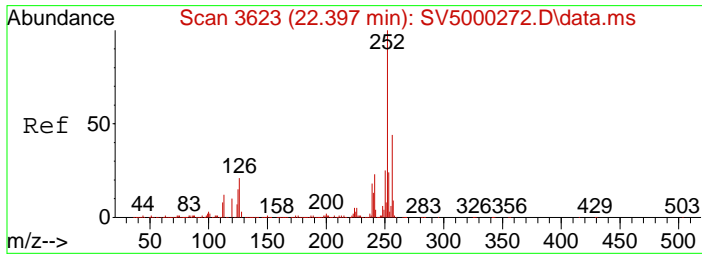
Tgt Ion	Resp	Lower	Upper
228	1150839		
229	94.9	65.1	125.1
226	27.6	0.0	55.7



#85
 Chrysene
 Concen: 14.81 ng/uL
 RT: 20.044 min Scan# 3291
 Delta R.T. -0.035 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

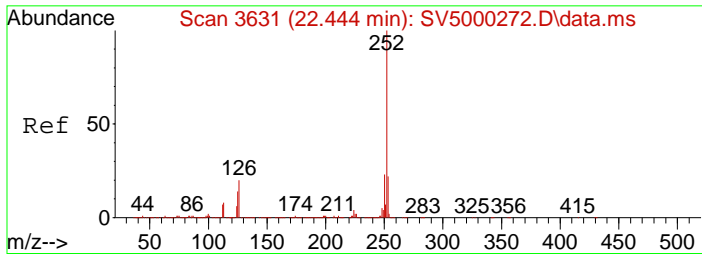
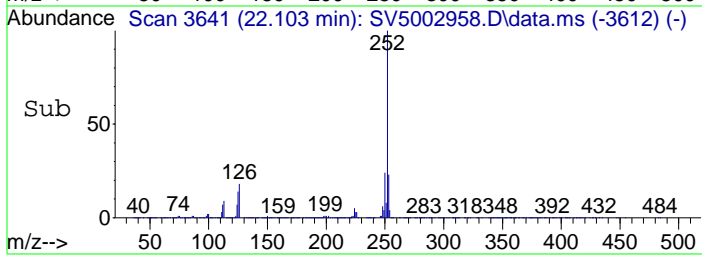
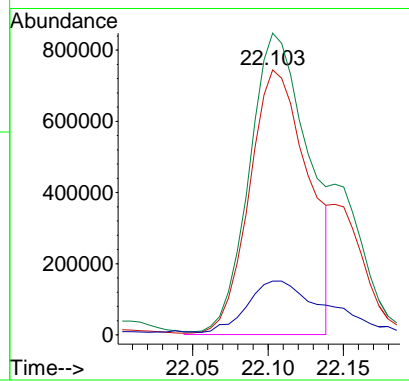
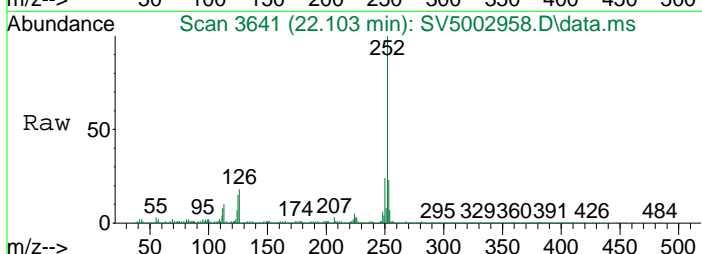
Tgt Ion	Resp	Lower	Upper
228	1325235		
226	25.2	0.0	56.8
229	92.0	61.6	121.6





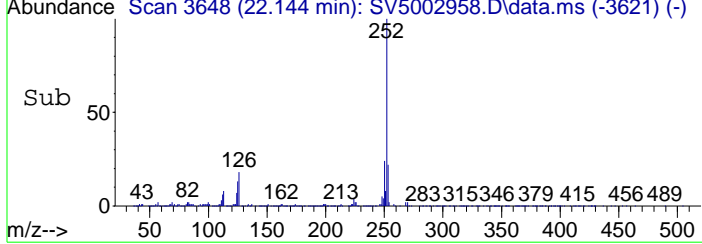
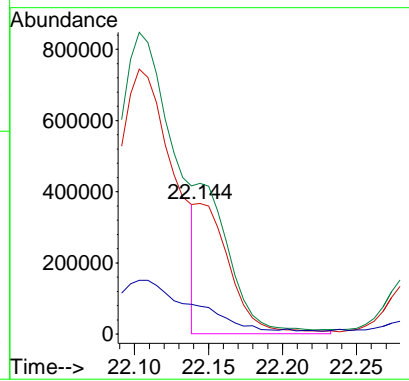
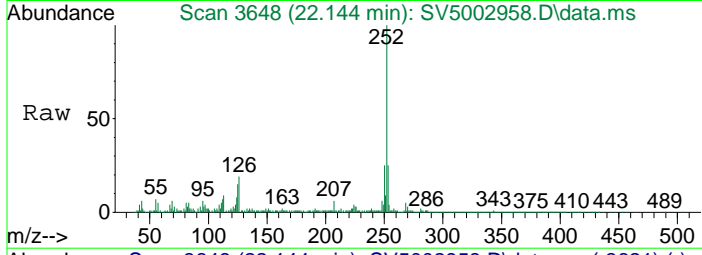
#89
 Benzo(b)fluoranthene
 Concen: 19.02 ng/uL m
 RT: 22.103 min Scan# 3641
 Delta R.T. -0.029 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

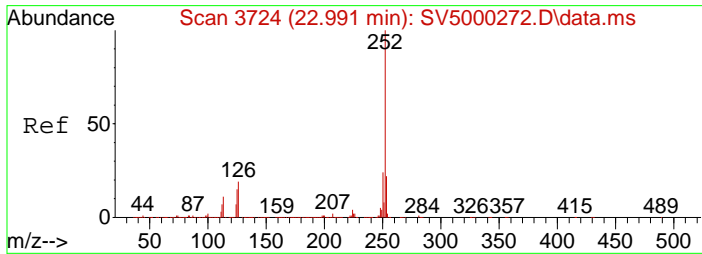
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.9	85.1	145.1#
125	14.5	6.7	66.7



#90
 Benzo(k)fluoranthene
 Concen: 5.76 ng/uL m
 RT: 22.144 min Scan# 3648
 Delta R.T. -0.041 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

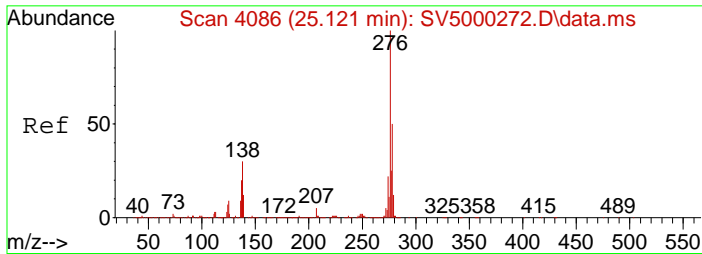
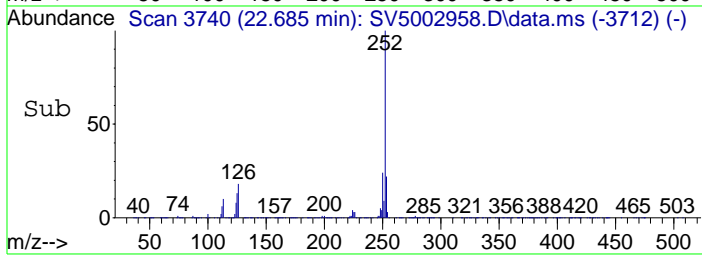
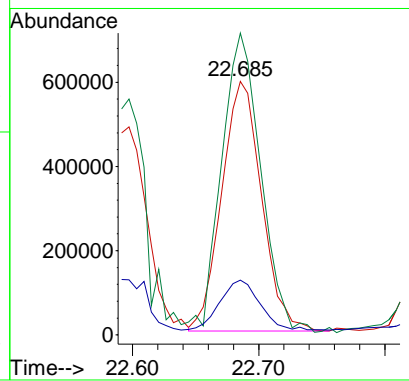
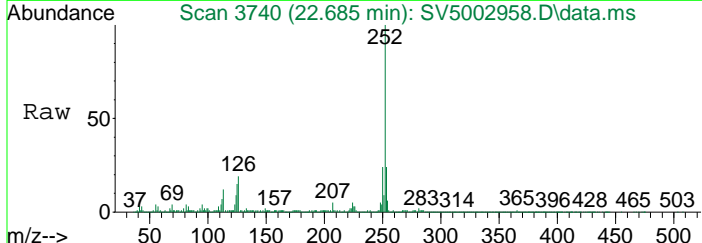
Tgt Ion	Resp	Lower	Upper
252	100		
253	25.4	83.8	143.8#
125	15.0	2.9	62.9





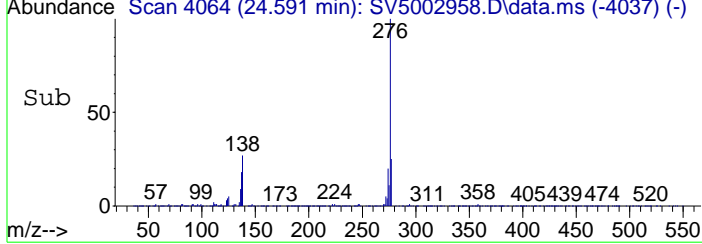
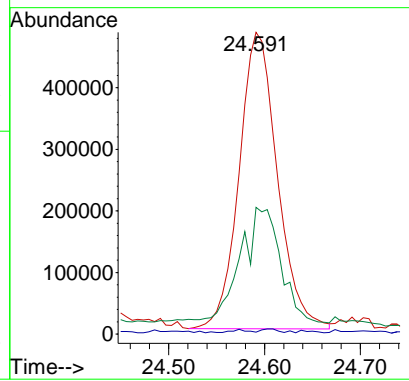
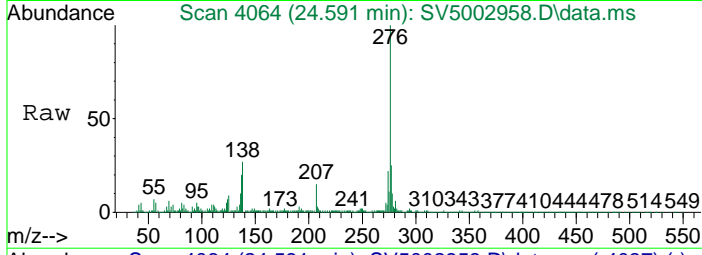
#91
 Benzo(a)pyrene
 Concen: 12.71 ng/uL
 RT: 22.685 min Scan# 3740
 Delta R.T. -0.036 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

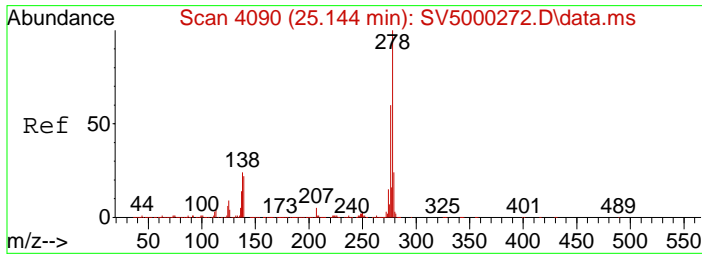
Tgt Ion	Resp	Lower	Upper
252	1306884		
253	97.3	65.6	125.6
125	31.9	0.0	58.0



#92
 Indeno(1,2,3-cd)pyrene
 Concen: 9.50 ng/uL
 RT: 24.591 min Scan# 4064
 Delta R.T. -0.041 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

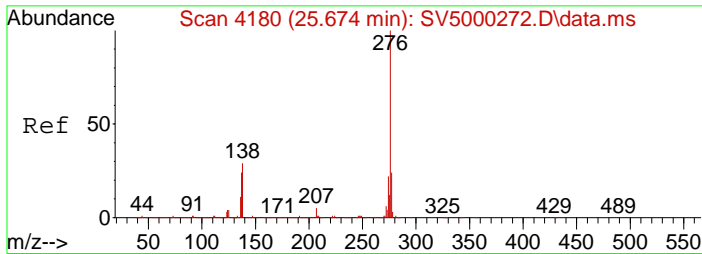
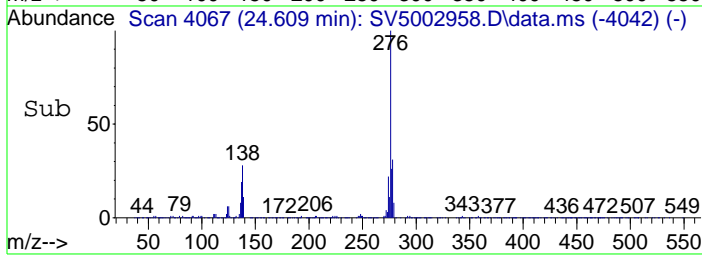
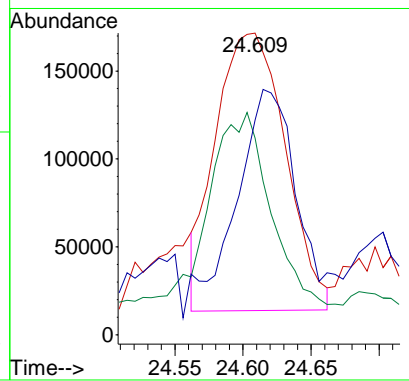
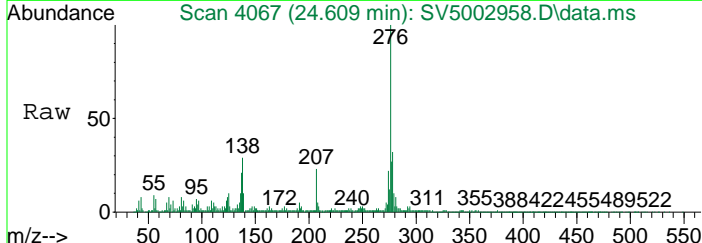
Tgt Ion	Resp	Lower	Upper
276	1335959		
138	34.2	0.4	60.4
227	0.9	0.0	30.1





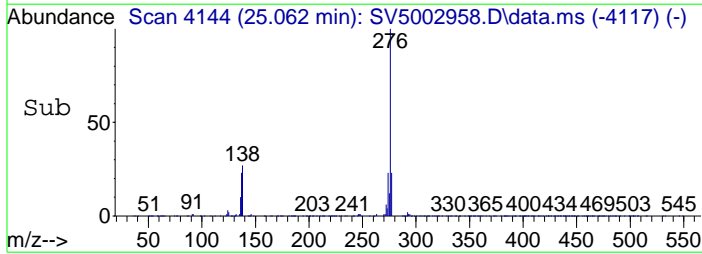
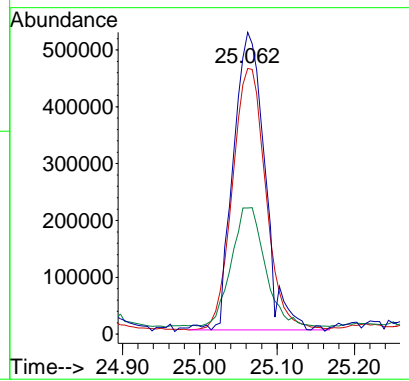
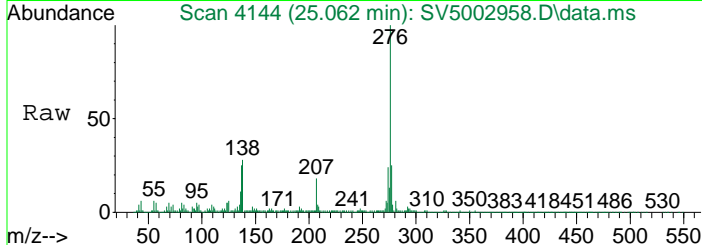
#93
 Dibenzo(a,h)anthracene
 Concen: 4.31 ng/uL m
 RT: 24.609 min Scan# 4067
 Delta R.T. -0.053 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

Tgt Ion	Resp	Lower	Upper
278	100		
139	30.5	0.0	56.8
279	29.4	62.0	122.0#



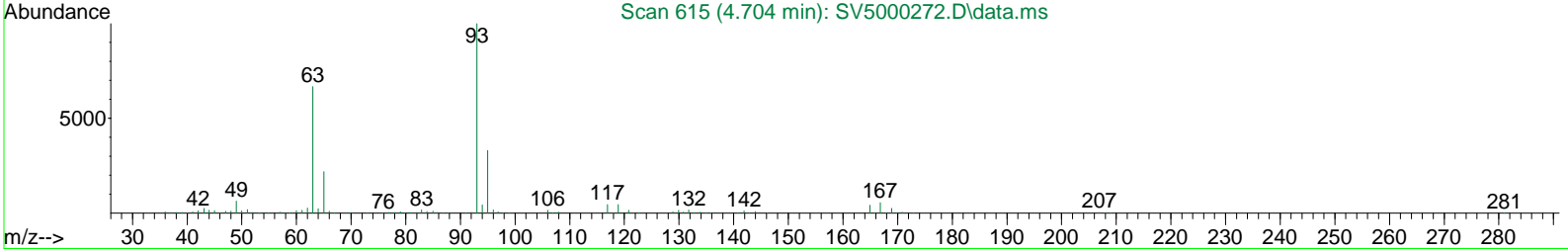
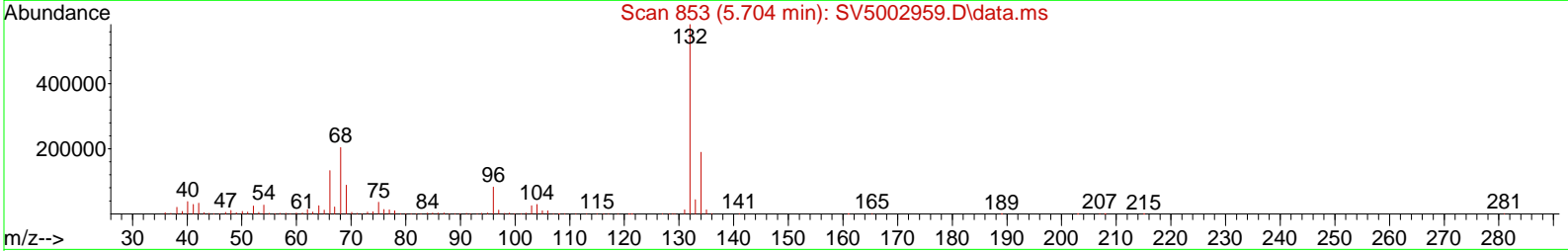
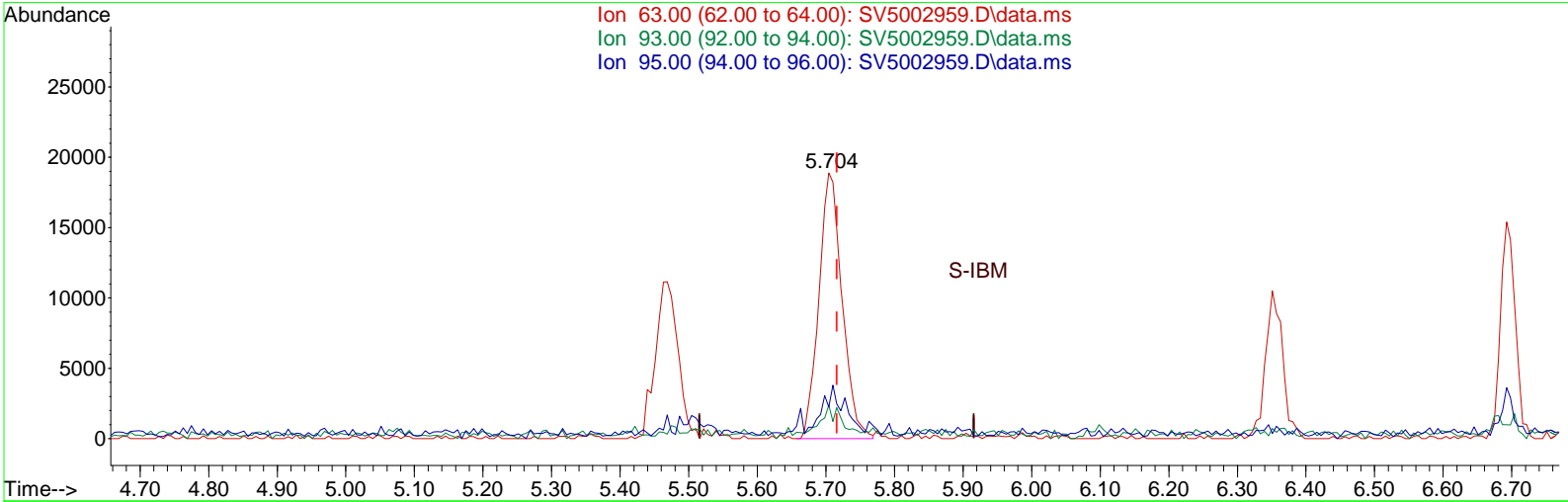
#94
 Benzo(g,h,i)perylene
 Concen: 11.53 ng/uL
 RT: 25.062 min Scan# 4144
 Delta R.T. -0.041 min
 Lab File: SV5002958.D
 Acq: 11 Oct 2012 2:11 am

Tgt Ion	Resp	Lower	Upper
276	100		
138	47.5	10.4	70.4
277	113.6	82.8	142.8



Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002959.D
 Acq On : 11 Oct 2012 2:44 am
 Operator : IBM
 Sample : 1210126-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:04:29 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



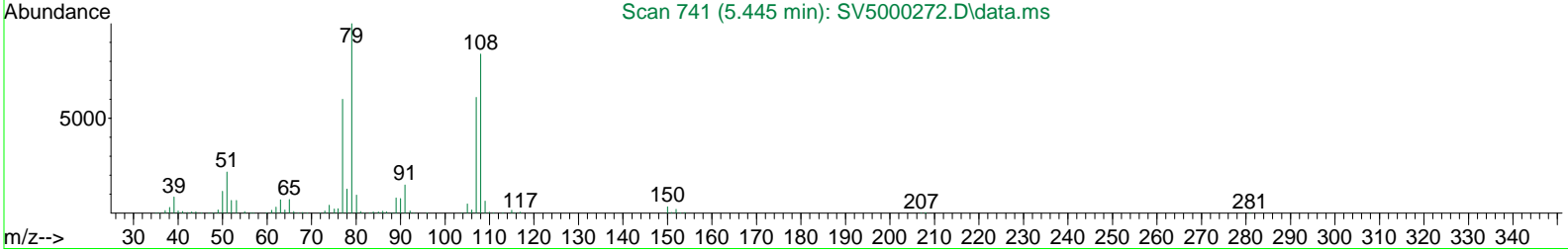
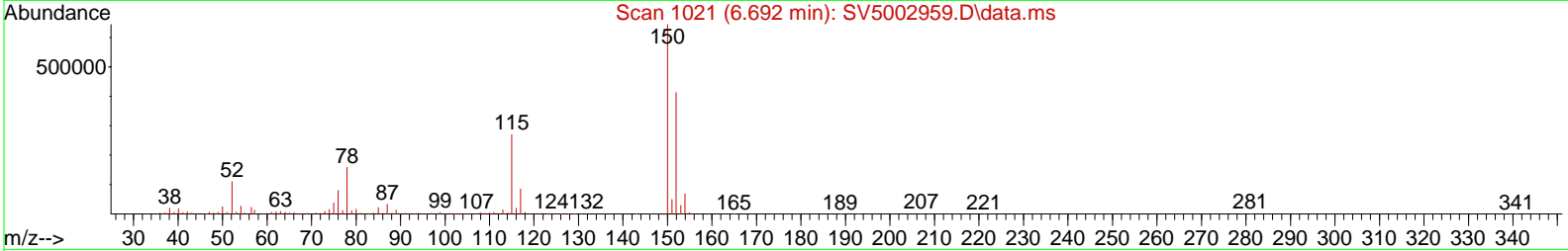
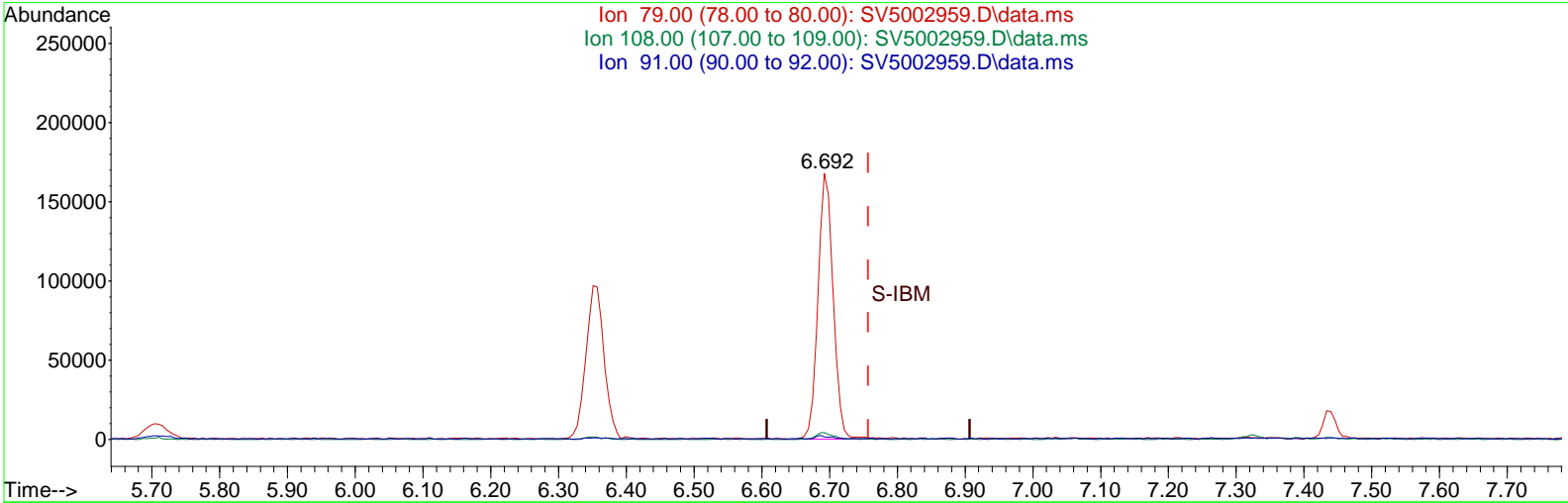
TIC: SV5002959.D\data.ms

(6) bis(2-Chloroethyl)ether
 5.704min (-0.012) 4.27 ng/uL
 response 44434

Ion	Exp%	Act%
63.00	100	100
93.00	146.60	12.66#
95.00	57.90	445.72#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002959.D
 Acq On : 11 Oct 2012 2:44 am
 Operator : IBM
 Sample : 1210126-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:04:29 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002959.D\data.ms

(16) Benzyl Alcohol

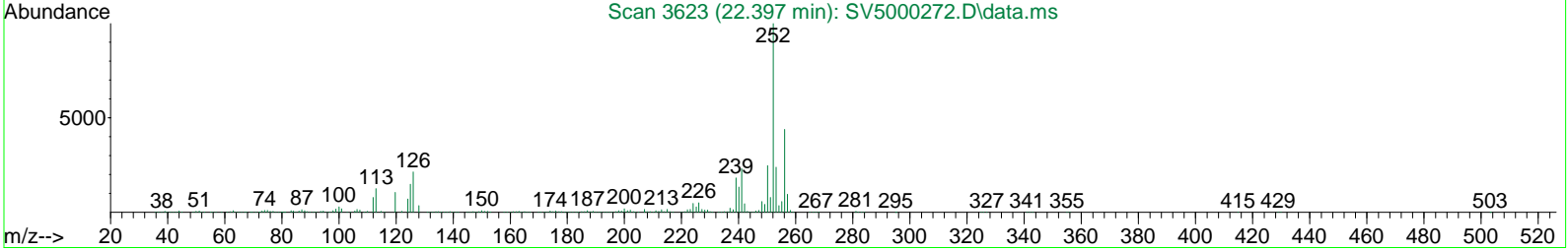
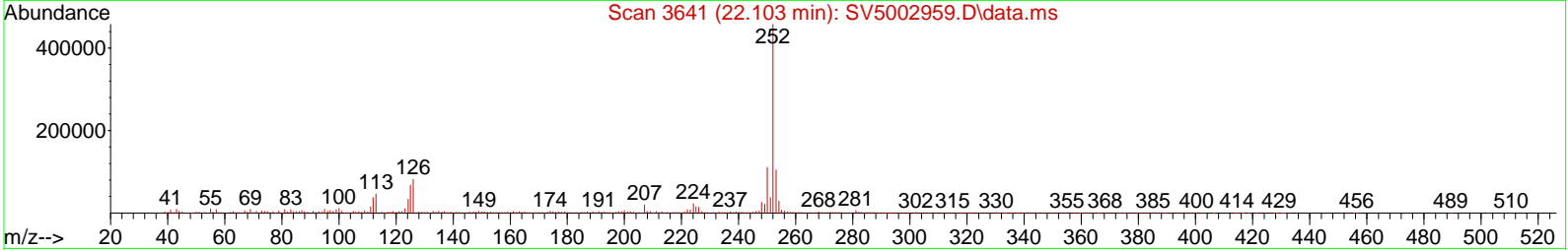
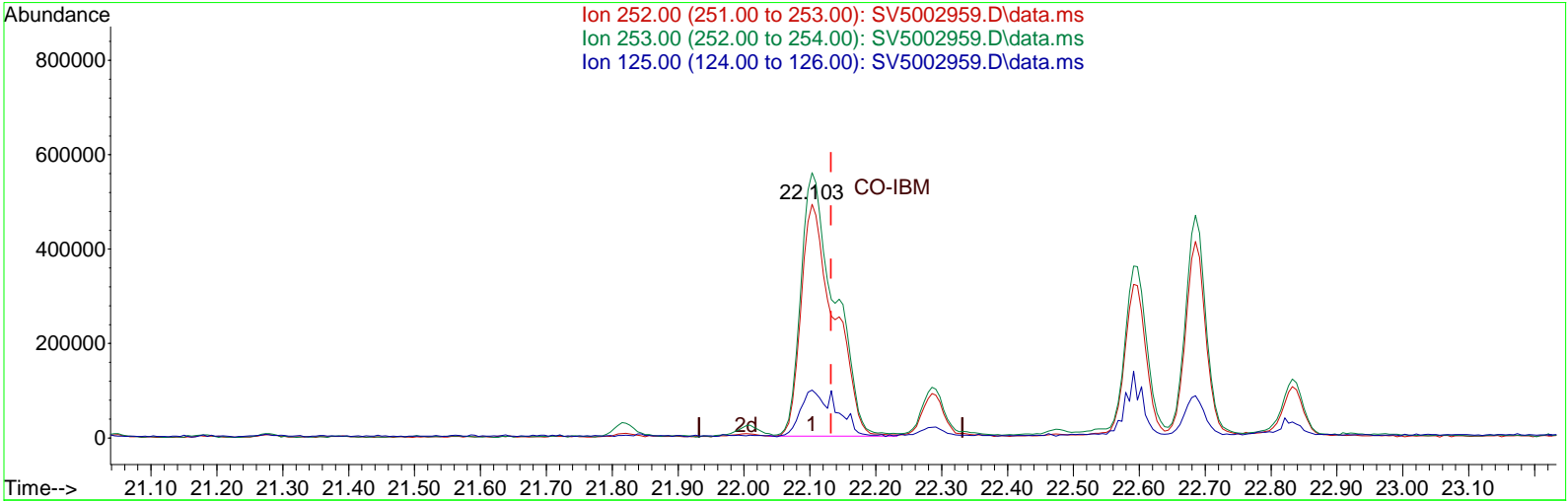
6.692min (-0.065) 18.58 ng/uL

response 262301

Ion	Exp%	Act%
79.00	100	100
108.00	132.20	3.44#
91.00	19.90	1.11
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002959.D
 Acq On : 11 Oct 2012 2:44 am
 Operator : IBM
 Sample : 1210126-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 13:04:29 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



TIC: SV5002959.D\data.ms

(89) Benzo(b)fluoranthene
 22.103min (-0.029) 16.23 ng/uL
 response 1724954

Ion	Exp%	Act%
252.00	100	100
253.00	115.10	113.59
125.00	36.70	36.92
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002959.D
 Acq On : 11 Oct 2012 2:44 am
 Operator : IBM
 Sample : 1210126-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1
 InstName : SVOAMS5

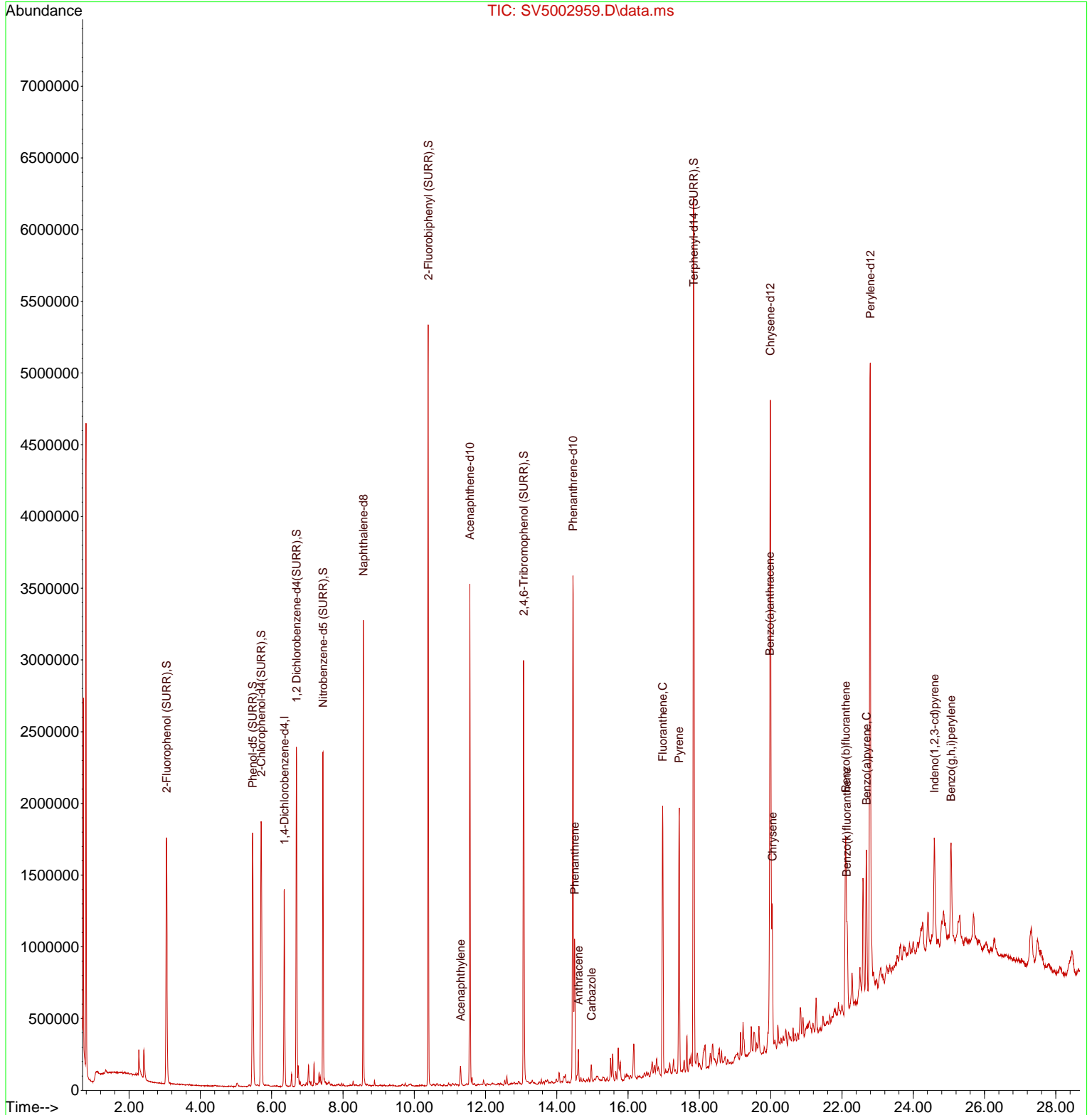
Quant Time: Oct 11 13:05:29 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

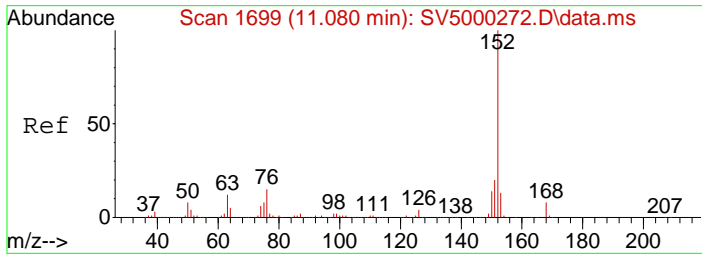
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.357	152	516558	40.00	ng/uL	-0.03
23) Naphthalene-d8	8.569	136	2256769	40.00	ng/uL	-0.02
41) Acenaphthene-d10	11.563	164	1547235	40.00	ng/uL	-0.03
62) Phenanthrene-d10	14.451	188	2853214	40.00	ng/uL	-0.04
79) Chrysene-d12	19.991	240	3352585	40.00	ng/uL	-0.04
87) Perylene-d12	22.791	264	3830925	40.00	ng/uL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.051	112	1140717	86.55	ng/uL	-0.02
Spiked Amount	150.000		Recovery	=	57.70%	
7) Phenol-d5 (SURR)	5.469	99	1631733	90.39	ng/uL	-0.03
Spiked Amount	150.000		Recovery	=	60.26%	
11) 2-Chlorophenol-d4(SURR)	5.704	132	1425291	91.91	ng/uL	-0.04
Spiked Amount	150.000		Recovery	=	61.27%	
14) 1,2 Dichlorobenzene-d4...	6.692	152	735799	57.29	ng/uL	-0.03
Spiked Amount	100.000		Recovery	=	57.29%	
24) Nitrobenzene-d5 (SURR)	7.439	82	1067861	60.51	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	60.51%	
45) 2-Fluorobiphenyl (SURR)	10.392	172	3558679	63.43	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	63.43%	
67) 2,4,6-Tribromophenol (...)	13.068	330	654653	106.43	ng/uL	-0.04
Spiked Amount	150.000		Recovery	=	70.95%	
81) Terphenyl-d14 (SURR)	17.839	244	4534276	63.34	ng/uL	-0.03
Spiked Amount	100.000		Recovery	=	63.34%	
Target Compounds						
49) Acenaphthylene	11.298	152	139583	2.01	ng/uL	98
73) Phenanthrene	14.498	178	804002	10.56	ng/uL	100
74) Anthracene	14.604	178	185665	2.51	ng/uL	100
75) Carbazole	14.968	167	119196	1.50	ng/uL#	34
77) Fluoranthene	16.968	202	1727244	20.44	ng/uL	91
80) Pyrene	17.433	202	1633690	15.91	ng/uL	98
84) Benzo(a)anthracene	19.974	228	831650	9.02	ng/uL	99
85) Chrysene	20.044	228	949975	10.62	ng/uL	99
89) Benzo(b)fluoranthene	22.103	252	1288436m	12.13	ng/uL	
90) Benzo(k)fluoranthene	22.132	252	453250m	4.57	ng/uL	
91) Benzo(a)pyrene	22.685	252	879790	8.59	ng/uL	97
92) Indeno(1,2,3-cd)pyrene	24.591	276	830258	5.93	ng/uL	95
94) Benzo(g,h,i)perylene	25.056	276	879656	7.36	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002959.D
 Acq On : 11 Oct 2012 2:44 am
 Operator : IBM
 Sample : 1210126-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1
 InstName : SVOAMS5

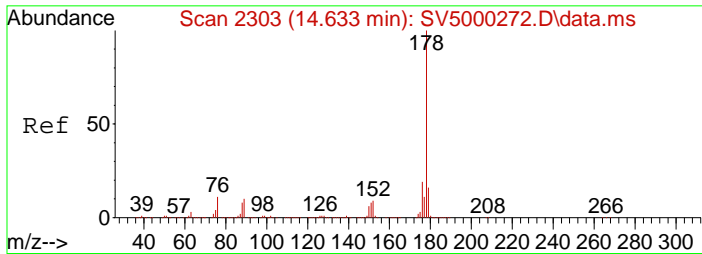
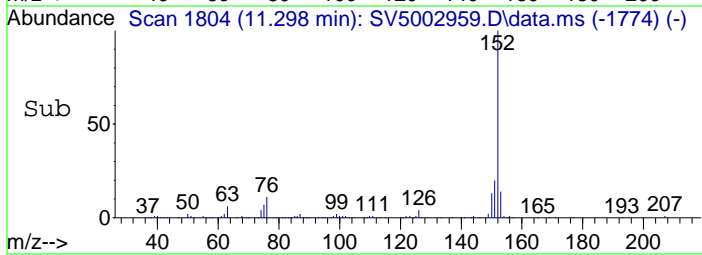
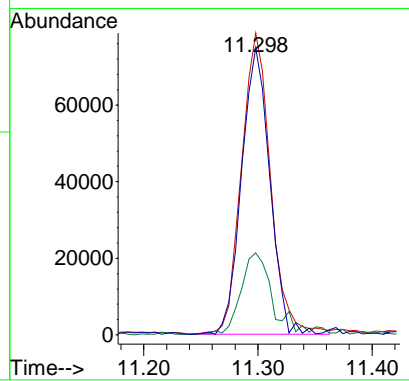
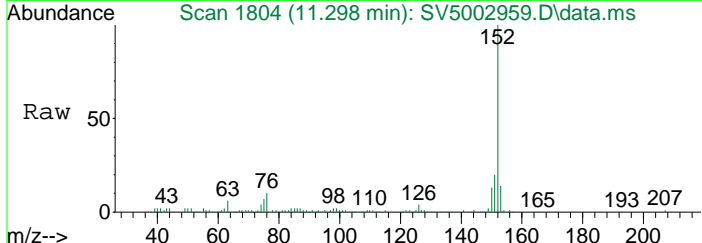
Quant Time: Oct 11 13:05:29 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration





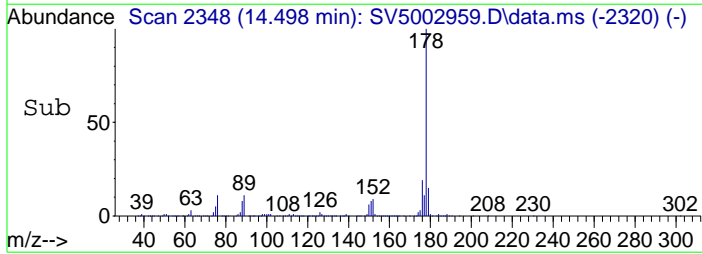
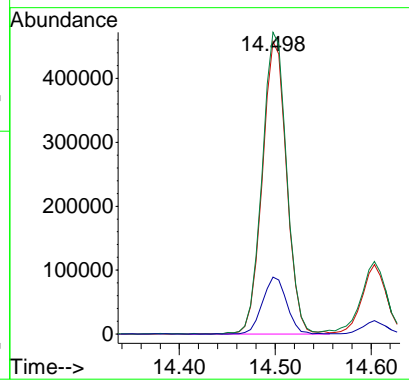
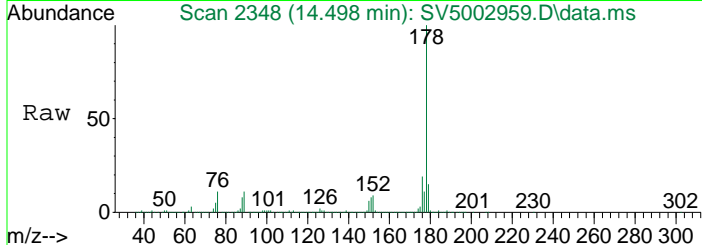
#49
 Acenaphthylene
 Concen: 2.01 ng/uL
 RT: 11.298 min Scan# 1804
 Delta R.T. -0.023 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

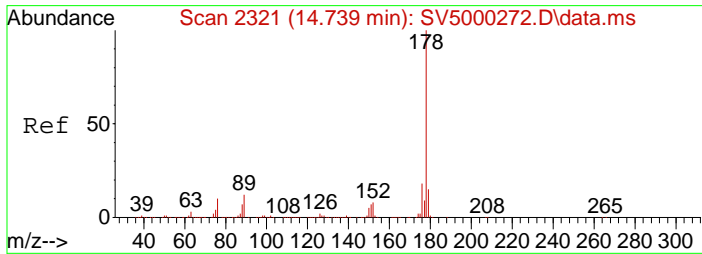
Tgt Ion	Resp	Lower	Upper
152	139583		
151	98.7	71.1	131.1
153	85.1	55.7	115.7



#73
 Phenanthrene
 Concen: 10.56 ng/uL
 RT: 14.498 min Scan# 2348
 Delta R.T. -0.035 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

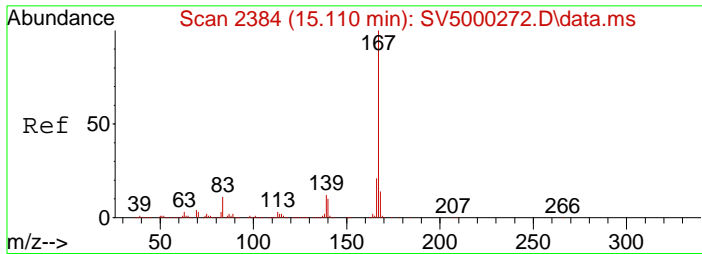
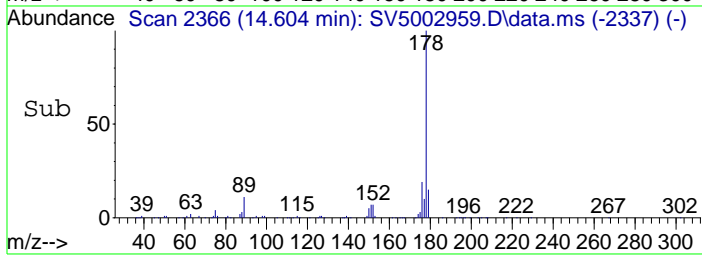
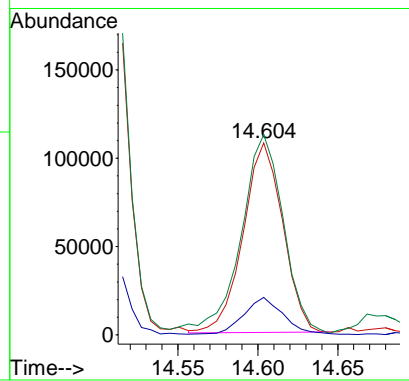
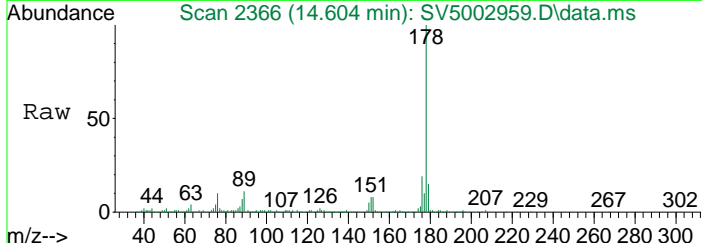
Tgt Ion	Resp	Lower	Upper
178	804002		
179	91.7	61.3	121.3
176	26.1	0.0	56.2





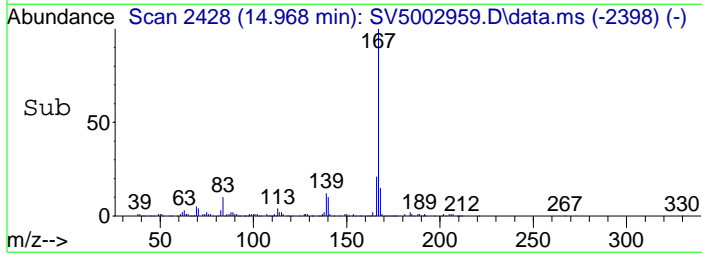
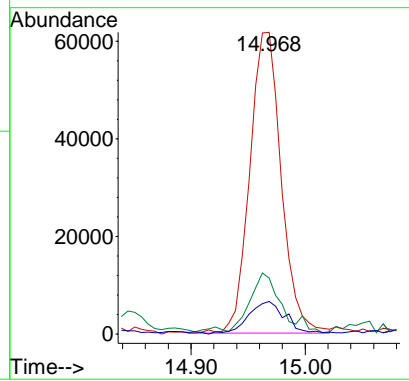
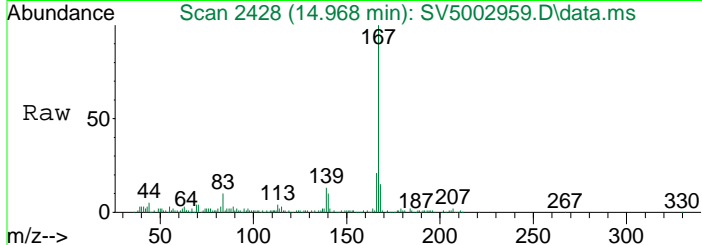
#74
 Anthracene
 Concen: 2.51 ng/uL
 RT: 14.604 min Scan# 2366
 Delta R.T. -0.029 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

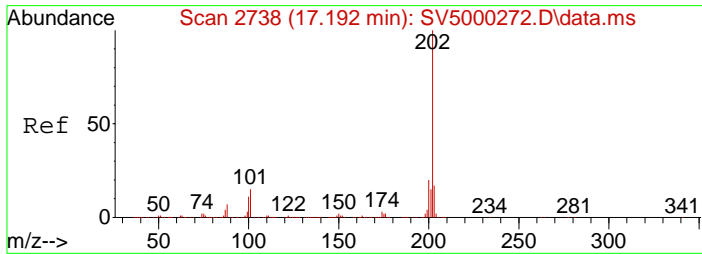
Tgt Ion	Resp	Lower	Upper
178	185665		
179	93.1	63.3	123.3
176	25.1	0.0	54.3



#75
 Carbazole
 Concen: 1.50 ng/ul
 RT: 14.968 min Scan# 2428
 Delta R.T. -0.023 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

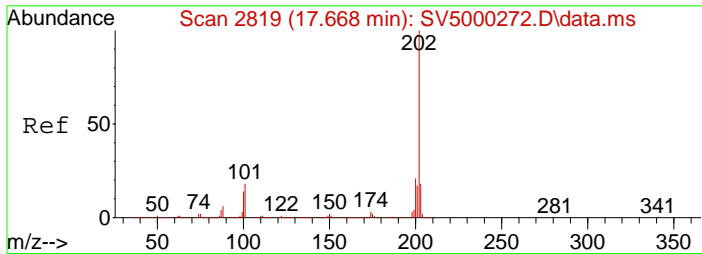
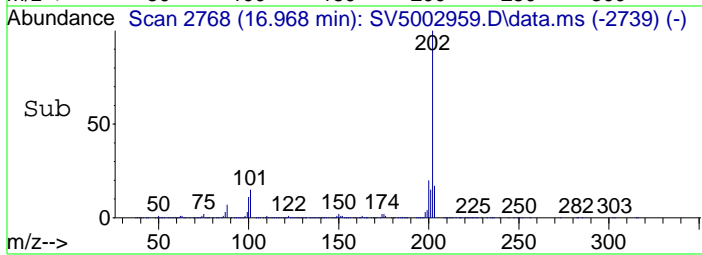
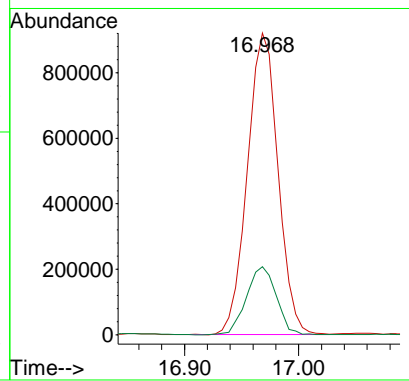
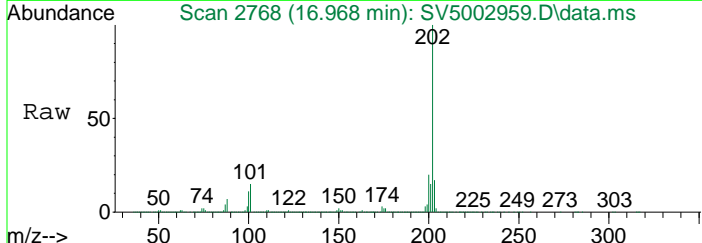
Tgt Ion	Resp	Lower	Upper
167	119196		
166	18.6	60.8	120.8#
139	10.8	0.0	47.9





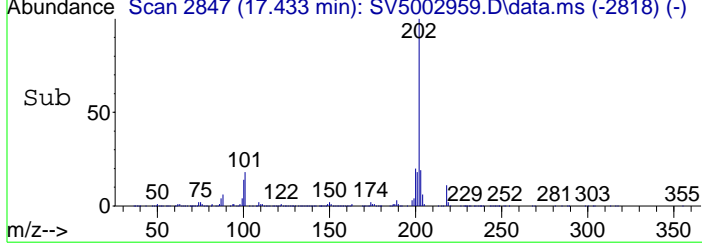
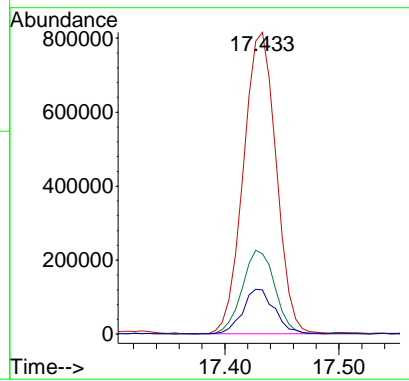
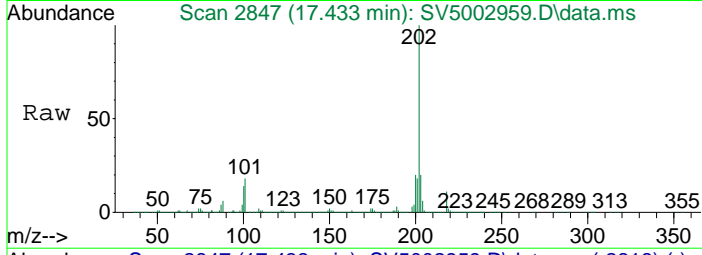
#77
 Fluoranthene
 Concen: 20.44 ng/uL
 RT: 16.968 min Scan# 2768
 Delta R.T. -0.029 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

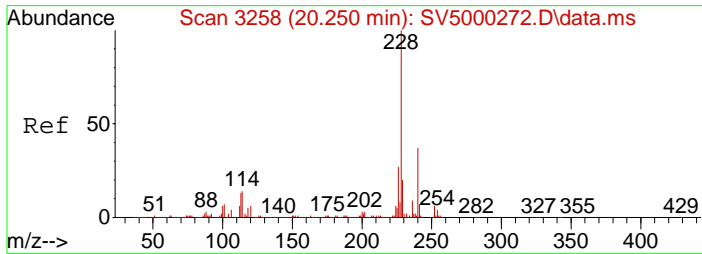
Tgt Ion	Resp	Lower	Upper
202	1727244		
101	22.6	0.0	48.5



#80
 Pyrene
 Concen: 15.91 ng/uL
 RT: 17.433 min Scan# 2847
 Delta R.T. -0.029 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

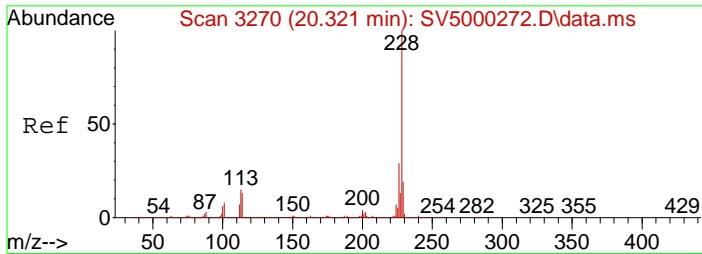
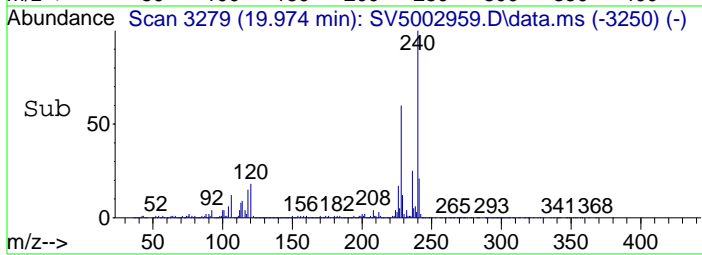
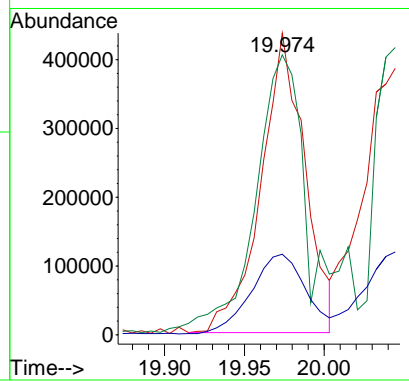
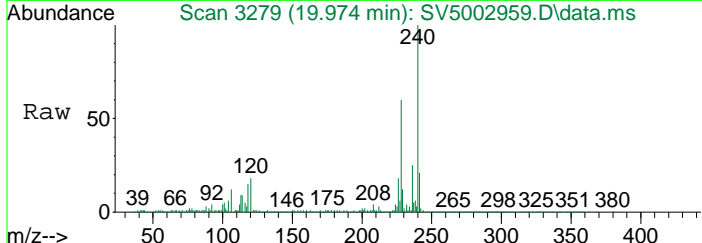
Tgt Ion	Resp	Lower	Upper
202	1633690		
101	22.8	0.0	51.9
100	25.3	0.0	54.2





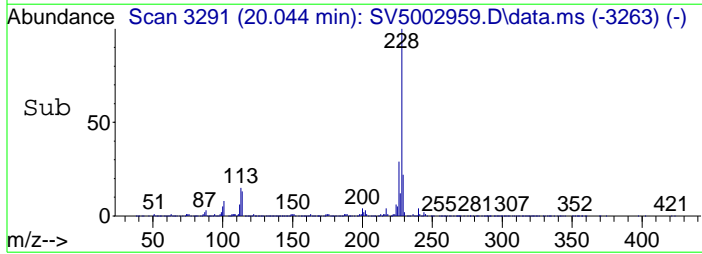
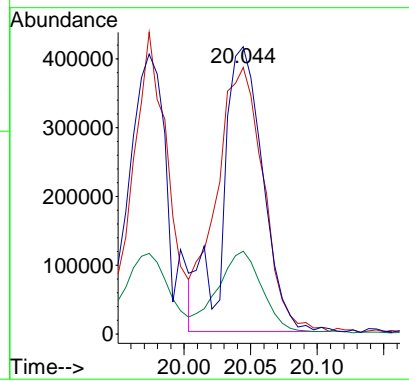
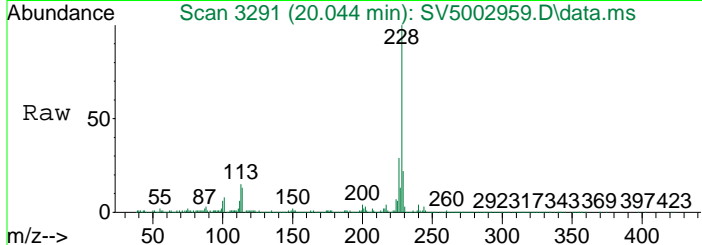
#84
 Benzo(a)anthracene
 Concen: 9.02 ng/uL
 RT: 19.974 min Scan# 3279
 Delta R.T. -0.029 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

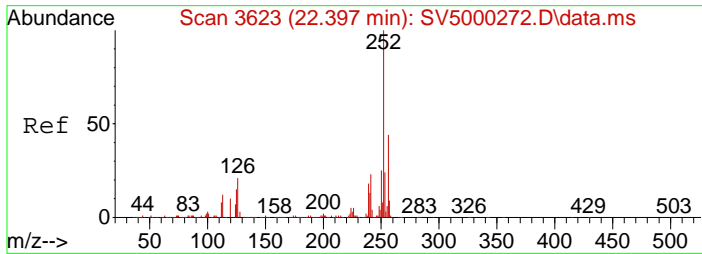
Tgt Ion	Resp	Lower	Upper
228	831650		
229	95.2	65.1	125.1
226	26.8	0.0	55.7



#85
 Chrysene
 Concen: 10.62 ng/uL
 RT: 20.044 min Scan# 3291
 Delta R.T. -0.035 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

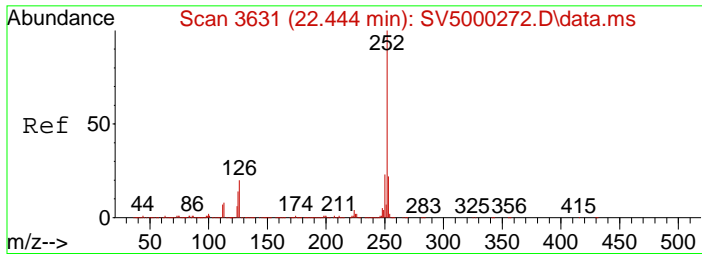
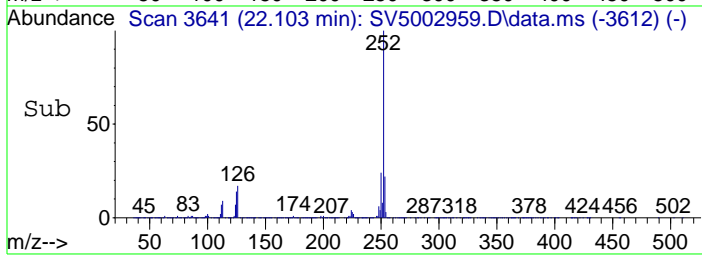
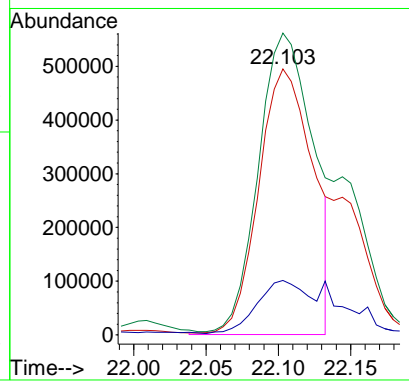
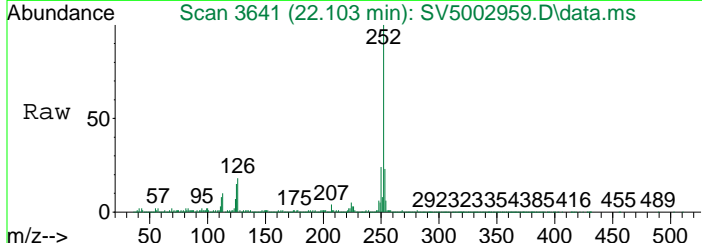
Tgt Ion	Resp	Lower	Upper
228	949975		
226	26.0	0.0	56.8
229	92.1	61.6	121.6





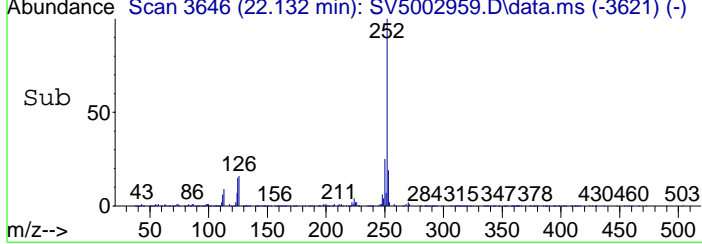
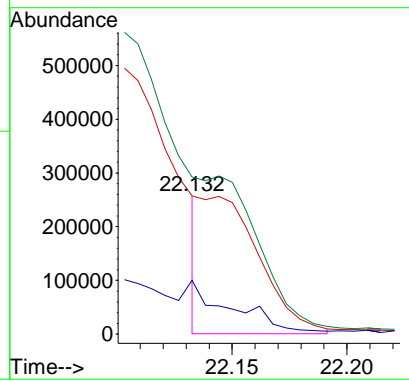
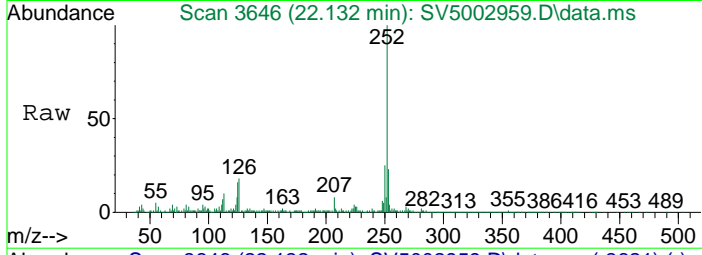
#89
 Benzo(b)fluoranthene
 Concen: 12.13 ng/uL m
 RT: 22.103 min Scan# 3641
 Delta R.T. -0.029 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

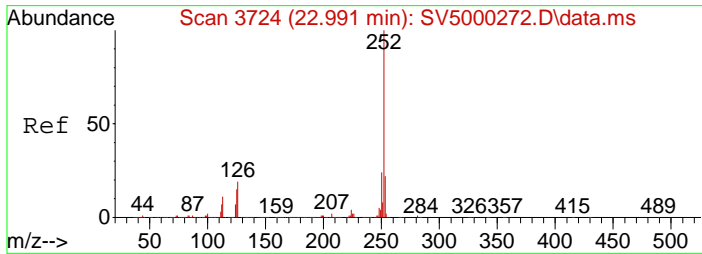
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.9	85.1	145.1#
125	14.9	6.7	66.7



#90
 Benzo(k)fluoranthene
 Concen: 4.57 ng/uL m
 RT: 22.132 min Scan# 3646
 Delta R.T. -0.053 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

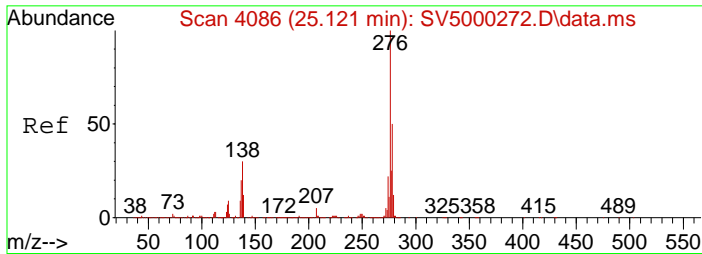
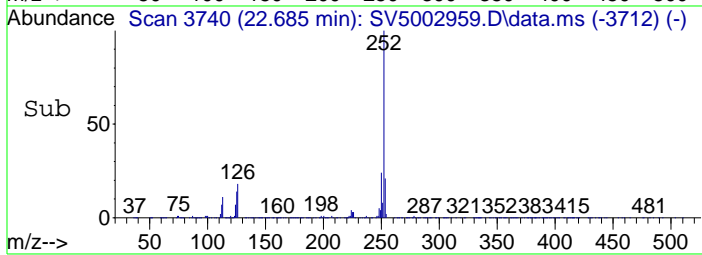
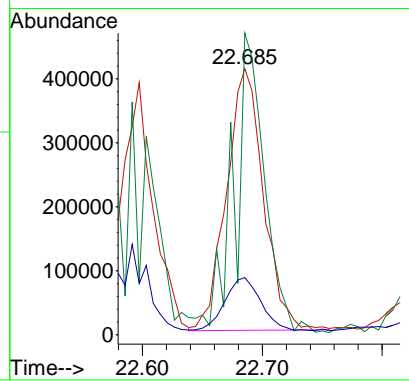
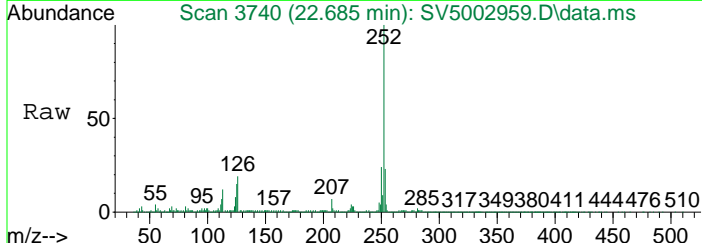
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.7	83.8	143.8#
125	16.1	2.9	62.9





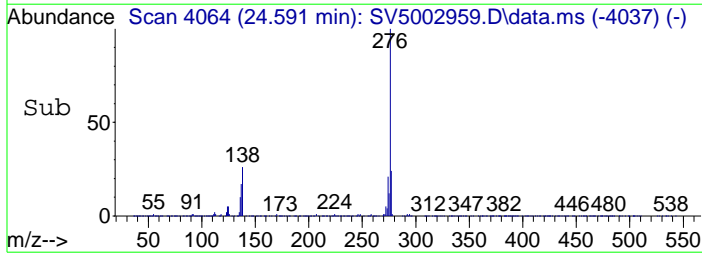
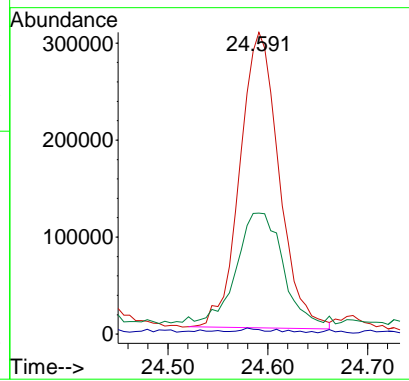
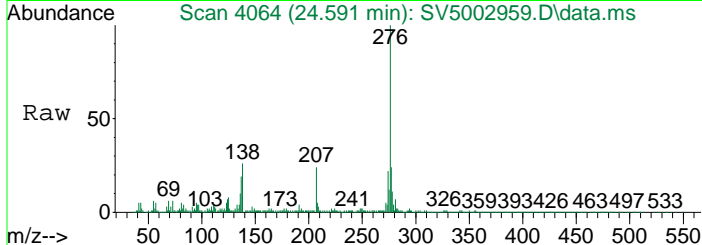
#91
 Benzo(a)pyrene
 Concen: 8.59 ng/uL
 RT: 22.685 min Scan# 3740
 Delta R.T. -0.036 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

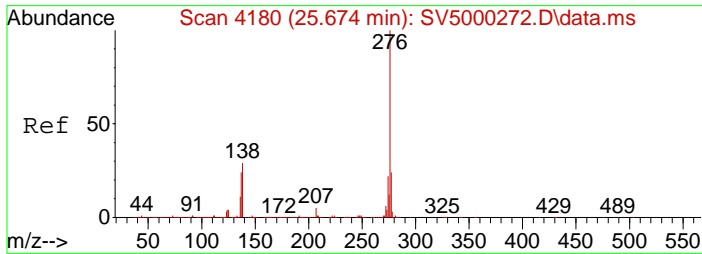
Tgt Ion	Resp	Ion Ratio	Lower	Upper
252	879790	100		
253		96.7	65.6	125.6
125		32.3	0.0	58.0



#92
 Indeno(1,2,3-cd)pyrene
 Concen: 5.93 ng/uL
 RT: 24.591 min Scan# 4064
 Delta R.T. -0.041 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

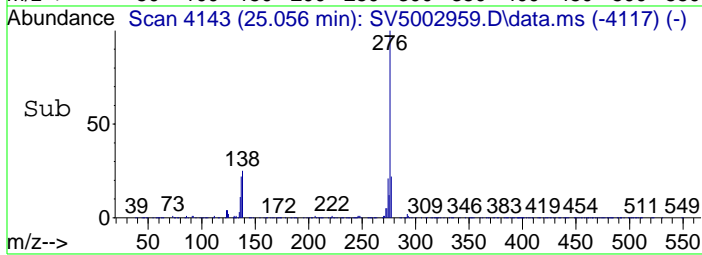
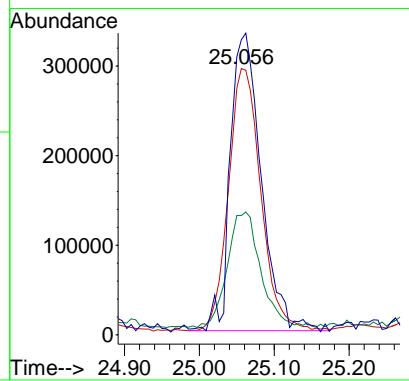
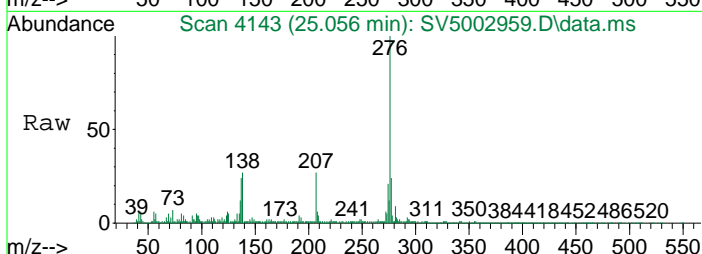
Tgt Ion	Resp	Ion Ratio	Lower	Upper
276	830258	100		
138		32.9	0.4	60.4
227		1.6	0.0	30.1





#94
 Benzo(g,h,i)perylene
 Concen: 7.36 ng/uL
 RT: 25.056 min Scan# 4143
 Delta R.T. -0.047 min
 Lab File: SV5002959.D
 Acq: 11 Oct 2012 2:44 am

Tgt Ion	Resp	Lower	Upper
276	100		
138	44.8	10.4	70.4
277	114.0	82.8	142.8



PAH

Quality Control Data

PREPARATION BATCH SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Batch: CJ20519 Batch Matrix: Solid

Preparation: 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
SSSWB01	1210126-01	SV5002955.D	10/06/12 09:45	
SSSWS01	1210126-02	SV5002956.D	10/06/12 09:45	
SSSWW01	1210126-03	SV5002957.D	10/06/12 09:45	
SSSWN01	1210126-04	SV5002958.D	10/06/12 09:45	
SSSWE01	1210126-05	SV5002959.D	10/06/12 09:45	
Blank	CJ20519-BLK1	SV5002899.D	10/05/12 13:30	
LCS	CJ20519-BS1	SV5002900.D	10/05/12 13:30	
LCS Dup	CJ20519-BSD1	SV5002901.D	10/05/12 13:30	

METHOD BLANK DATA SHEET

8270C

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210126</u>	
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>	
Matrix: <u>Solid</u>	Laboratory ID: <u>CJ20519-BLK1</u>	File ID: <u>SV5002899.D</u>
Prepared: <u>10/05/12 13:30</u>	Preparation: <u>3546</u>	Initial/Final: <u>15 g / 0.5 ml</u>
Analyzed: <u>10/09/12 18:41</u>	Instrument: <u>SVOAMS5</u>	
Batch: <u>CJ20519</u>	Sequence: <u>CVJ0082</u>	Calibration: <u>1210012</u>

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
91-57-6	2-Methylnaphthalene	0.333	U
83-32-9	Acenaphthene	0.333	U
208-96-8	Acenaphthylene	0.333	U
120-12-7	Anthracene	0.333	U
56-55-3	Benzo(a)anthracene	0.333	U
50-32-8	Benzo(a)pyrene	0.167	U
205-99-2	Benzo(b)fluoranthene	0.333	U
191-24-2	Benzo(g,h,i)perylene	0.333	U
207-08-9	Benzo(k)fluoranthene	0.333	U
218-01-9	Chrysene	0.167	U
53-70-3	Dibenzo(a,h)Anthracene	0.167	U
206-44-0	Fluoranthene	0.333	U
86-73-7	Fluorene	0.333	U
193-39-5	Indeno(1,2,3-cd)Pyrene	0.333	U
91-20-3	Naphthalene	0.333	U
85-01-8	Phenanthrene	0.333	U
129-00-0	Pyrene	0.333	U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg wet)	CONC (mg/kg wet)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.333	3.37	101	30 - 130	
2-Fluorobiphenyl	3.333	3.15	94	30 - 130	
Nitrobenzene-d5	3.333	3.11	93	30 - 130	
p-Terphenyl-d14	3.333	3.51	105	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	551807	6.387	611562	6.381	
Naphthalene-d8	2454813	8.592	2669471	8.592	
Acenaphthene-d10	1702017	11.586	1860475	11.586	
Phenanthrene-d10	3033679	14.48	3304105	14.486	
Chrysene-d12	3183735	20.021	3585232	20.027	
Pyrene-d12	3336597	22.815	3585139	22.821	

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ20519

Laboratory ID: CJ20519-BS1

Preparation: 3546

Initial/Final: 15 g / 0.5 ml

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.
2-Methylnaphthalene	3.333	2.70	81	40 - 140
Acenaphthene	3.333	2.92	88	40 - 140
Acenaphthylene	3.333	2.59	78	40 - 140
Anthracene	3.333	3.16	95	40 - 140
Benzo(a)anthracene	3.333	3.01	90	40 - 140
Benzo(a)pyrene	3.333	2.96	89	40 - 140
Benzo(b)fluoranthene	3.333	3.19	96	40 - 140
Benzo(g,h,i)perylene	3.333	3.06	92	40 - 140
Benzo(k)fluoranthene	3.333	3.28	98	40 - 140
Chrysene	3.333	2.99	90	40 - 140
Dibenzo(a,h)Anthracene	3.333	3.23	97	40 - 140
Fluoranthene	3.333	3.03	91	40 - 140
Fluorene	3.333	2.99	90	40 - 140
Indeno(1,2,3-cd)Pyrene	3.333	3.06	92	40 - 140
Naphthalene	3.333	2.74	82	40 - 140
Phenanthrene	3.333	3.09	93	40 - 140
Pyrene	3.333	3.06	92	40 - 140

COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
2-Methylnaphthalene	3.333	2.81	84	4	30	40 - 140
Acenaphthene	3.333	3.00	90	3	30	40 - 140
Acenaphthylene	3.333	2.67	80	3	30	40 - 140
Anthracene	3.333	3.18	95	0.5	30	40 - 140
Benzo(a)anthracene	3.333	3.06	92	2	30	40 - 140
Benzo(a)pyrene	3.333	3.13	94	6	30	40 - 140
Benzo(b)fluoranthene	3.333	3.13	94	2	30	40 - 140
Benzo(g,h,i)perylene	3.333	3.12	93	2	30	40 - 140
Benzo(k)fluoranthene	3.333	3.36	101	2	30	40 - 140
Chrysene	3.333	3.06	92	2	30	40 - 140

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ20519

Laboratory ID: CJ20519-BSD1

Preparation: 3546

Initial/Final: 15 g / 0.5 ml

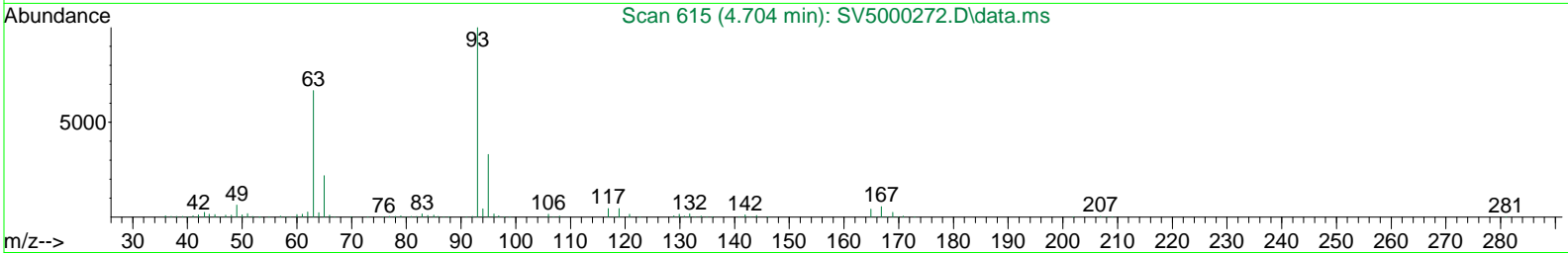
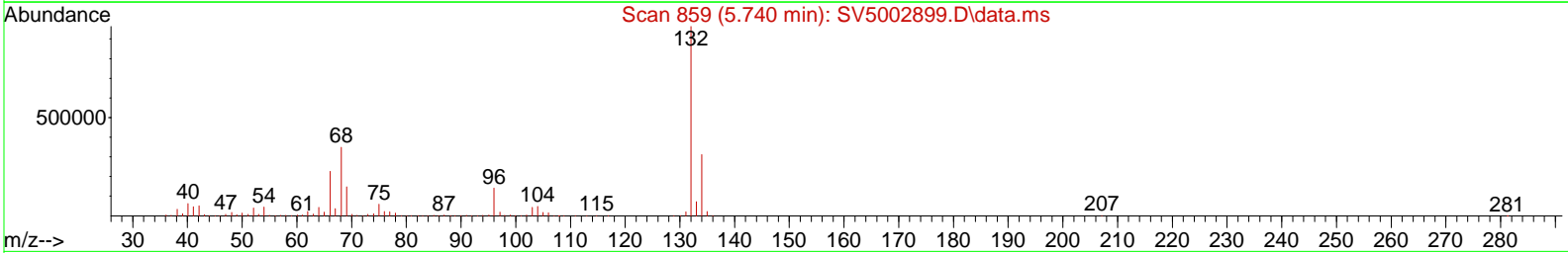
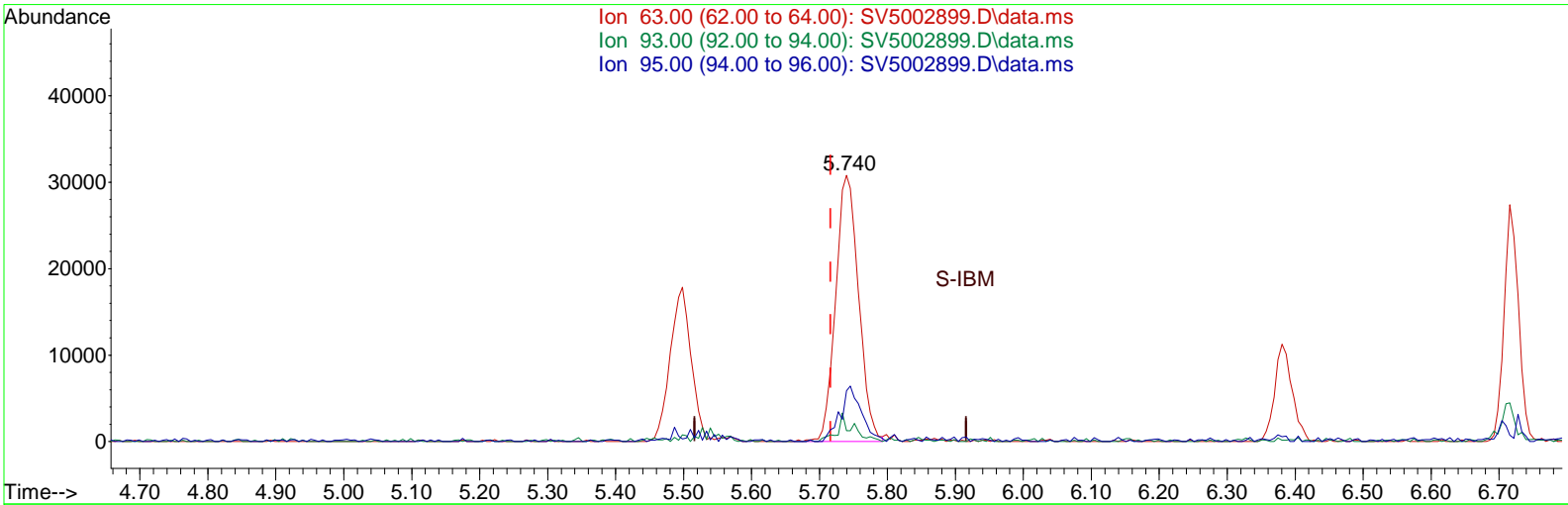
COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Dibenzo(a,h)Anthracene	3.333	3.29	99	2	30	40 - 140
Fluoranthene	3.333	3.05	91	0.4	30	40 - 140
Fluorene	3.333	3.07	92	3	30	40 - 140
Indeno(1,2,3-cd)Pyrene	3.333	3.09	93	0.7	30	40 - 140
Naphthalene	3.333	2.82	85	3	30	40 - 140
Phenanthrene	3.333	3.13	94	1	30	40 - 140
Pyrene	3.333	3.11	93	2	30	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002899.D
 Acq On : 9 Oct 2012 6:41 pm
 Operator : IBM
 Sample : CJ20519-BLK1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:43:41 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



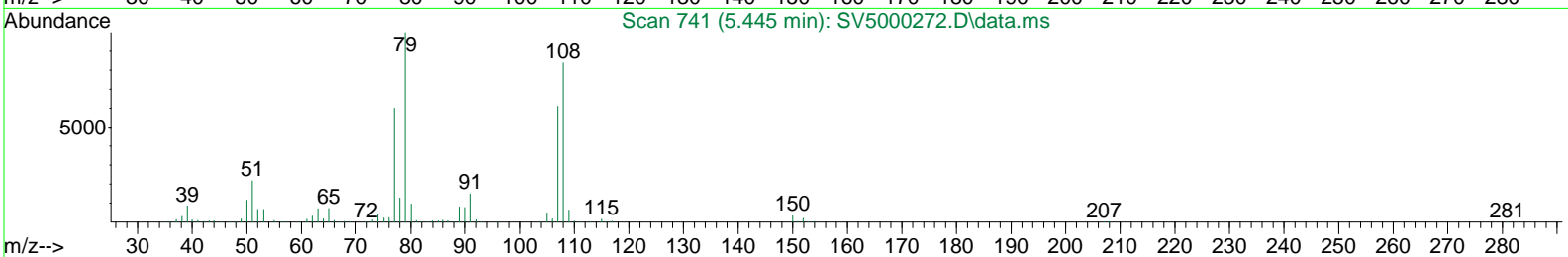
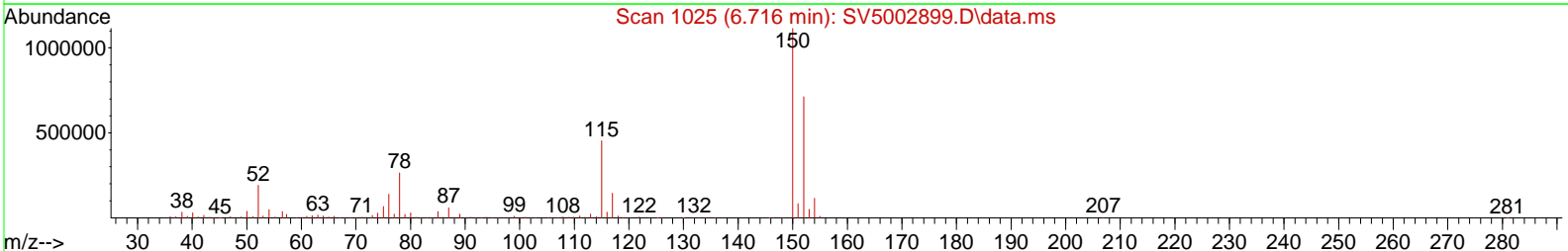
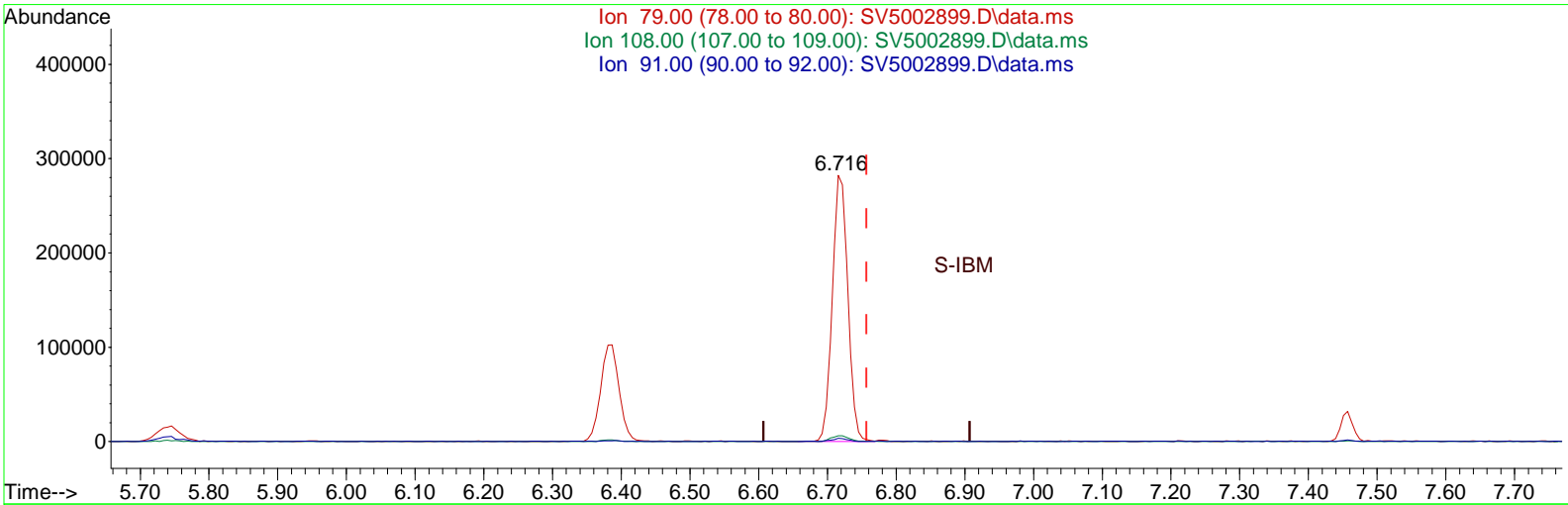
TIC: SV5002899.D\data.ms

(6) bis(2-Chloroethyl)ether
 5.740min (+0.024) 6.51 ng/uL
 response 72386

Ion	Exp%	Act%
63.00	100	100
93.00	146.60	4.68#
95.00	57.90	201.01#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002899.D
 Acq On : 9 Oct 2012 6:41 pm
 Operator : IBM
 Sample : CJ20519-BLK1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:43:41 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



TIC: SV5002899.D\data.ms

(16) Benzyl Alcohol

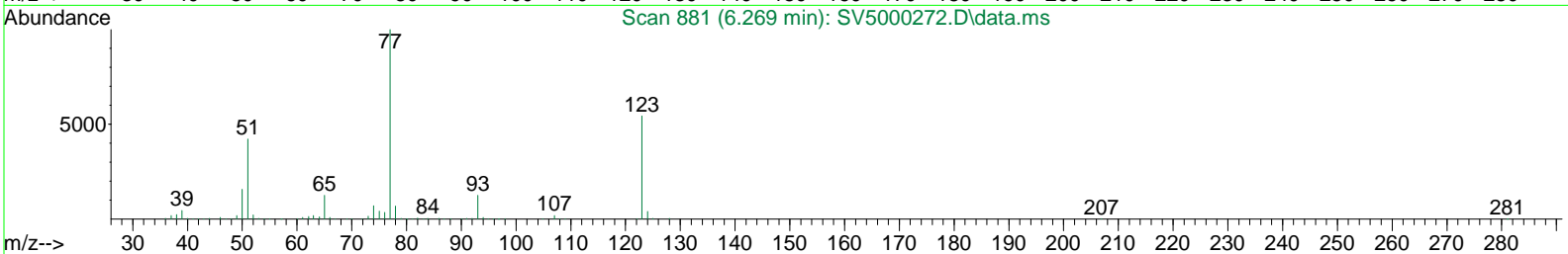
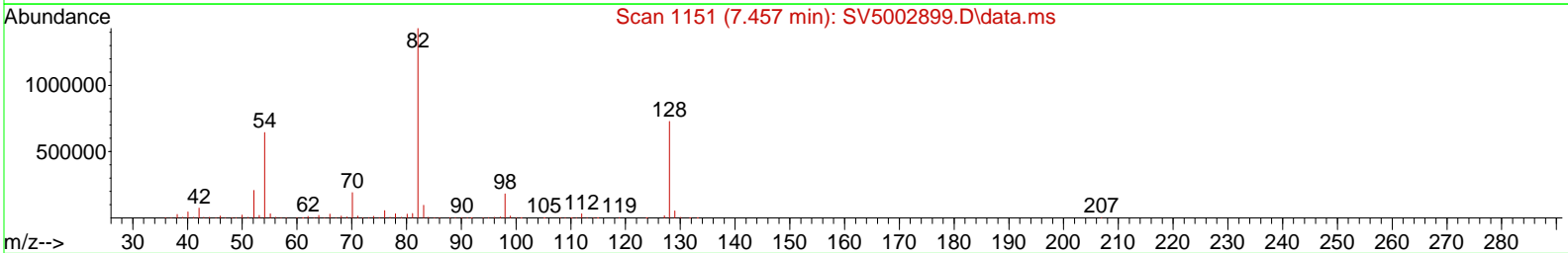
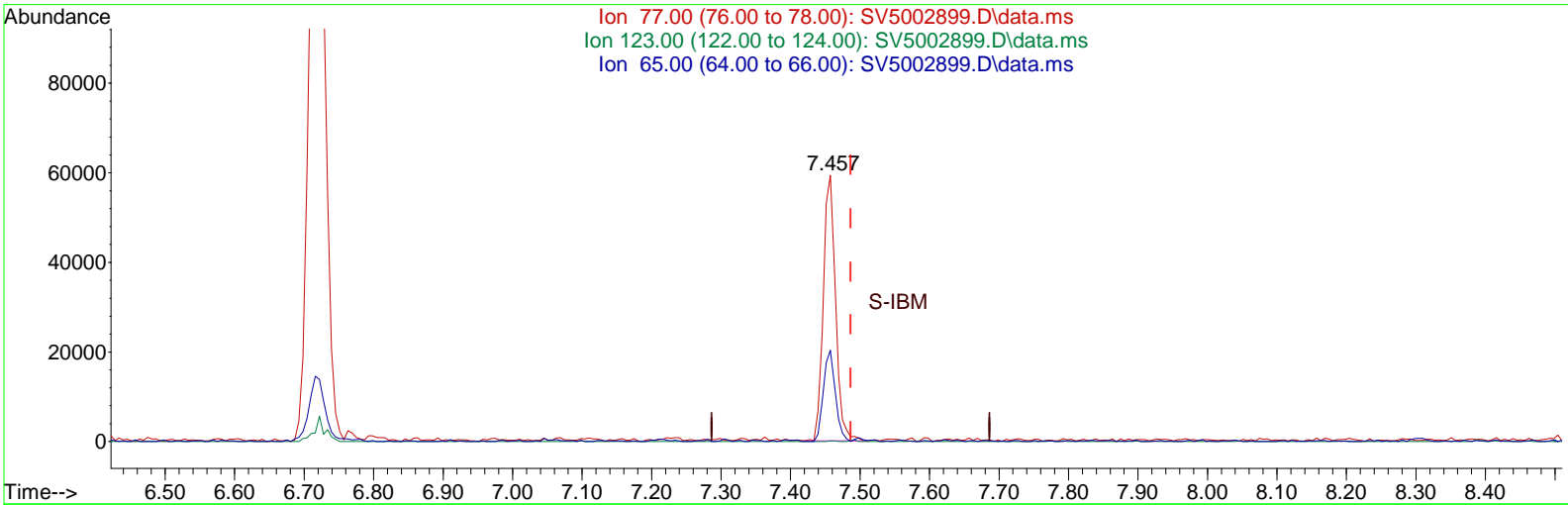
6.716min (-0.041) 29.44 ng/uL

response 444088

Ion	Exp%	Act%
79.00	100	100
108.00	132.20	2.93#
91.00	19.90	1.34
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002899.D
 Acq On : 9 Oct 2012 6:41 pm
 Operator : IBM
 Sample : CJ20519-BLK1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:43:41 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



TIC: SV5002899.D\data.ms

(25) Nitrobenzene

7.457min (-0.029) 3.54 ng/uL

response 72473

Ion	Exp%	Act%
77.00	100	100
123.00	50.60	0.20#
65.00	13.60	53.85#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002899.D
 Acq On : 9 Oct 2012 6:41 pm
 Operator : IBM
 Sample : CJ20519-BLK1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:44:27 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

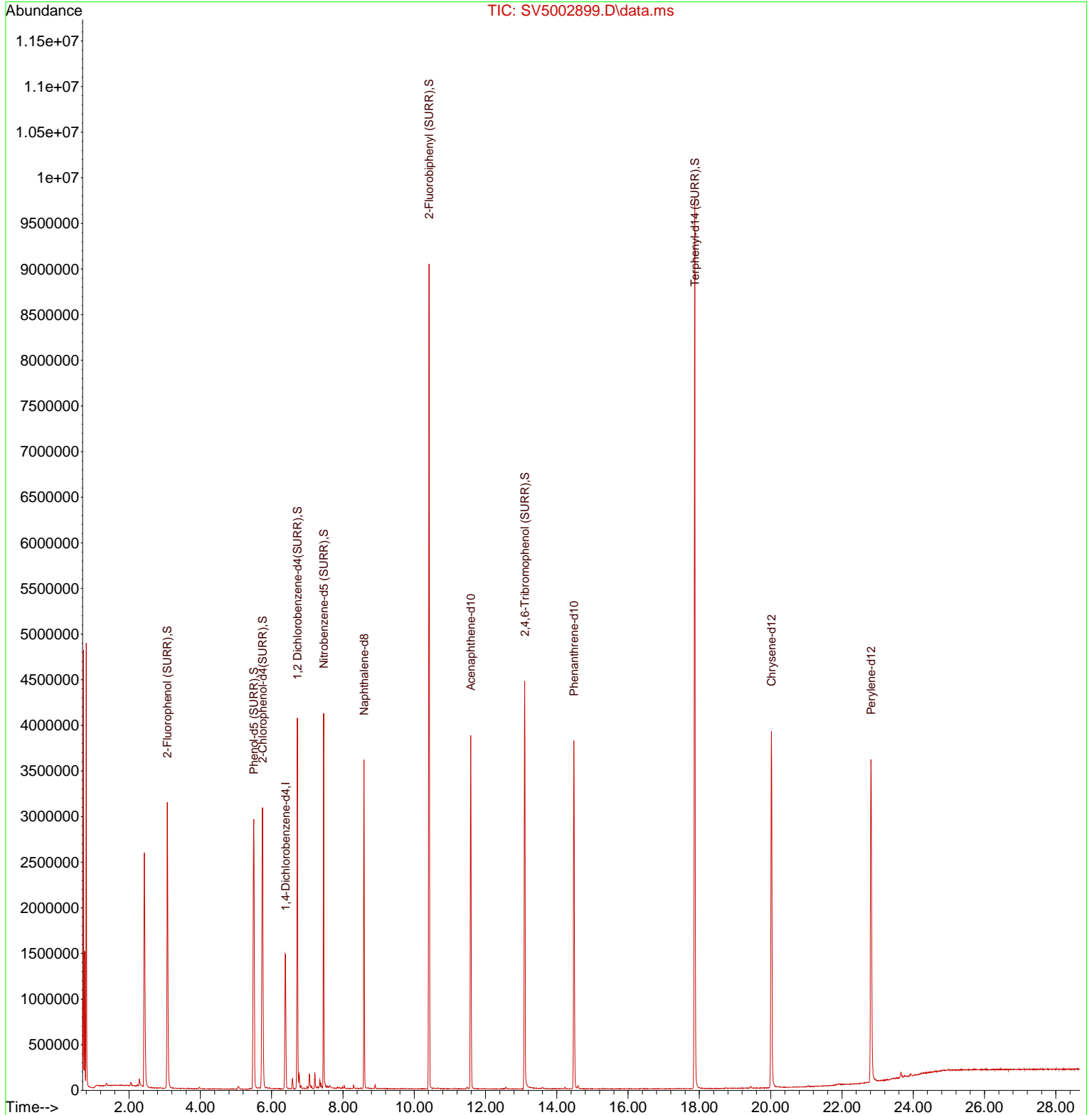
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.387	152	551807	40.00	ng/uL	0.00
23) Naphthalene-d8	8.592	136	2454813	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.586	164	1702017	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.480	188	3033679	40.00	ng/uL	0.00
79) Chrysene-d12	20.021	240	3183735	40.00	ng/uL	0.00
87) Perylene-d12	22.815	264	3336597	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.075	112	1933290	137.32	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	91.55%	
7) Phenol-d5 (SURR)	5.498	99	2675294	138.73	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	92.49%	
11) 2-Chlorophenol-d4(SURR)	5.740	132	2324162	140.30	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	93.53%	
14) 1,2 Dichlorobenzene-d4...	6.722	152	1261041	101.08	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	101.08%	
24) Nitrobenzene-d5 (SURR)	7.457	82	1788542	93.17	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	93.17%	
45) 2-Fluorobiphenyl (SURR)	10.416	172	5824799	94.38	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	94.38%	
67) 2,4,6-Tribromophenol (...)	13.098	330	952228	145.60	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	97.07%	
81) Terphenyl-d14 (SURR)	17.868	244	7168034	105.44	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	105.44%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

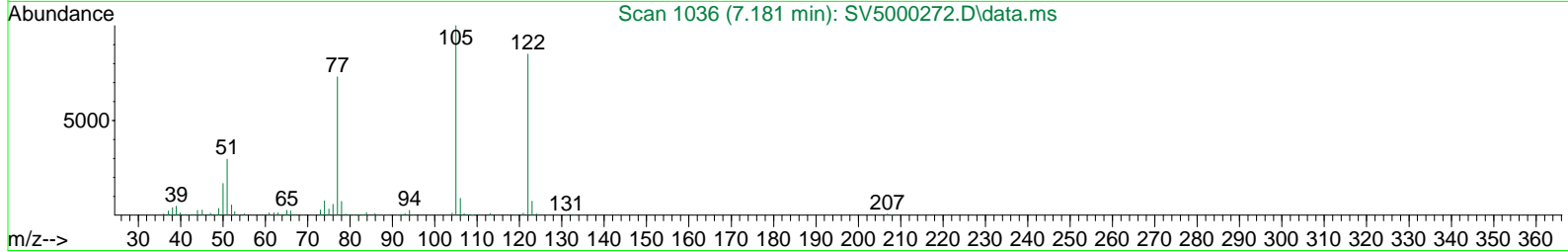
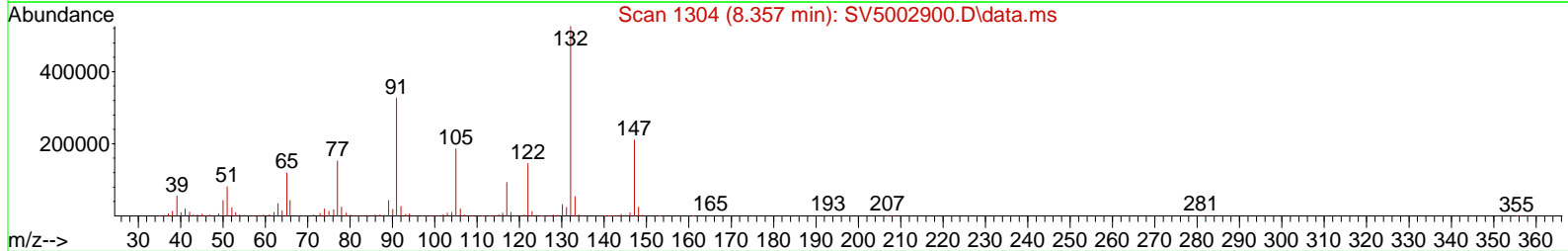
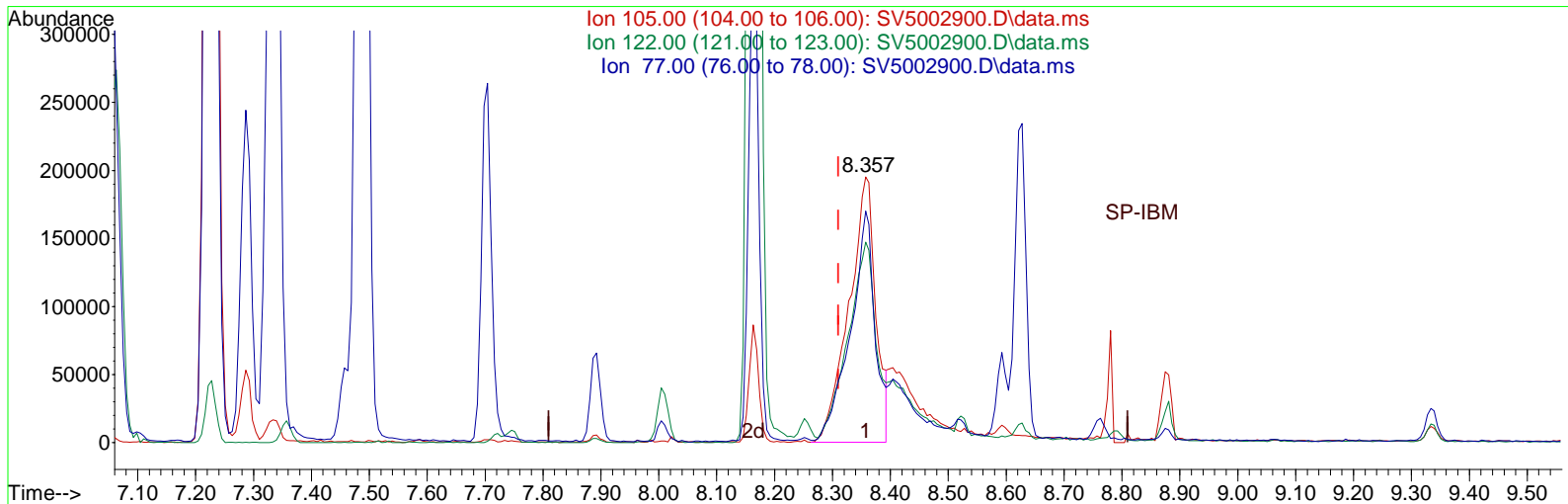
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 Acq On : 9 Oct 2012 6:41 pm
 Operator : IBM
 Sample : CJ20519-BLK1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:44:27 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002900.D
 Acq On : 9 Oct 2012 7:15 pm
 Operator : IBM
 Sample : CJ20519-BS1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:45:00 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



TIC: SV5002900.D\data.ms

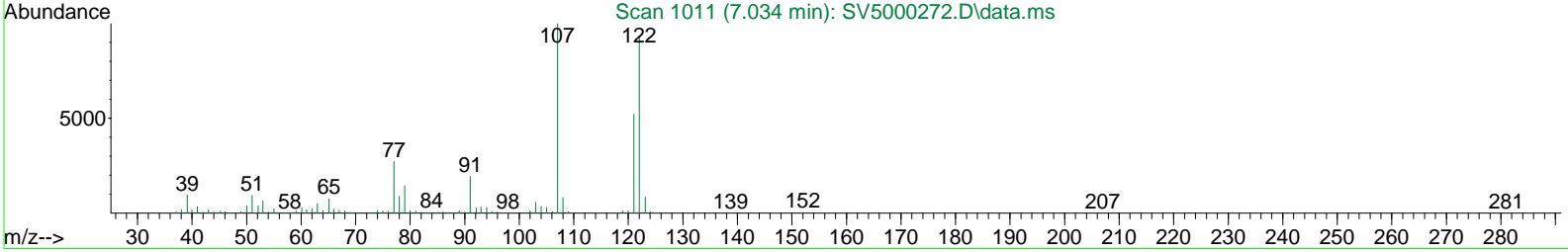
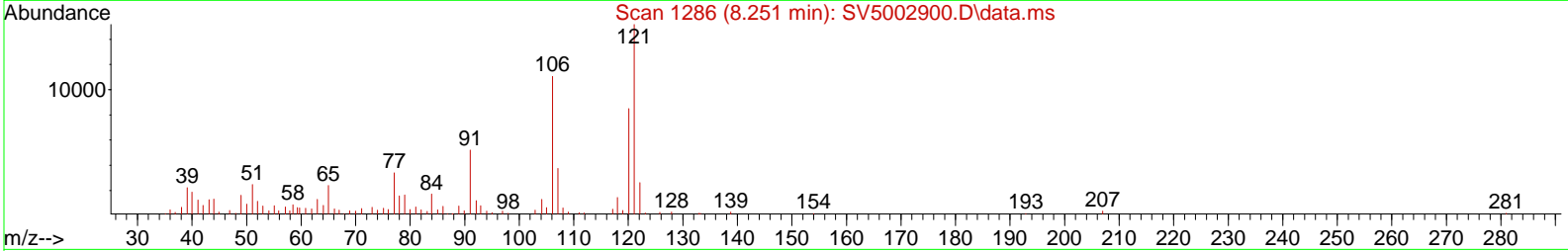
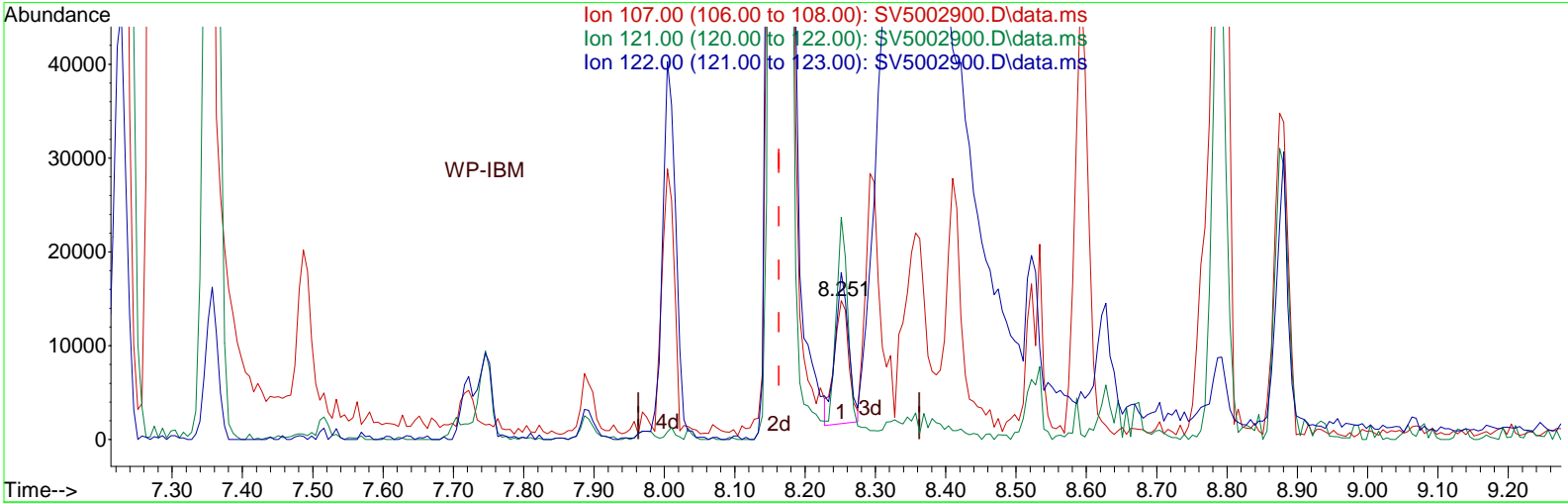
(28) Benzoic Acid
 8.357min (+0.047) 58.13 ng/uL

response 626936

Ion	Exp%	Act%
105.00	100	100
122.00	81.40	74.45
77.00	74.00	90.72
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002900.D
 Acq On : 9 Oct 2012 7:15 pm
 Operator : IBM
 Sample : CJ20519-BS1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:45:00 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



TIC: SV5002900.D\data.ms

(29) 2,4-Dimethylphenol
 8.251min (+0.088) 1.04 ng/uL
 response 18632

Ion	Exp%	Act%
107.00	100	100
121.00	133.40	153.51
122.00	132.30	115.43
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002900.D
 Acq On : 9 Oct 2012 7:15 pm
 Operator : IBM
 Sample : CJ20519-BS1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:46:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.387	152	519129	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	2254345	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.586	164	1593442	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	2843937	40.00	ng/uL	0.00	
79) Chrysene-d12	20.027	240	3094415	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3098482	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	1758545	132.77	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 88.51%
7) Phenol-d5 (SURR)	5.498	99	2466647	135.96	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 90.64%
11) 2-Chlorophenol-d4(SURR)	5.745	132	2126756	136.46	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 90.97%
14) 1,2 Dichlorobenzene-d4...	6.722	152	1147529	97.77	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 97.77%
24) Nitrobenzene-d5 (SURR)	7.457	82	1598298	90.66	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 90.66%
45) 2-Fluorobiphenyl (SURR)	10.416	172	5423053	93.85	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 93.85%
67) 2,4,6-Tribromophenol (...)	13.104	330	972706	158.65	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 105.77%
81) Terphenyl-d14 (SURR)	17.868	244	6973576	105.54	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 105.54%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	279687	68.04	ng/uL		95
3) Pyridine	1.081	79	592049	60.75	ng/uL		100
6) bis(2-Chloroethyl)ether	5.716	63	792319	75.79	ng/uL		99
8) 2-Chlorophenol	5.793	128	1222533	78.03	ng/uL		89
9) Phenol	5.540	94	1497555	78.36	ng/uL		98
10) Aniline	5.445	93	1343393	62.89	ng/ul#		80
12) 1,3-Dichlorobenzene	6.234	146	1346635	76.55	ng/uL		100
13) 1,4-Dichlorobenzene	6.422	146	1413045	78.12	ng/uL		96
15) 1,2-Dichlorobenzene	6.751	146	1360429	78.46	ng/uL		100
16) Benzyl Alcohol	6.757	79	983807	69.33	ng/uL		98
17) bis(2-chloroisopropyl)...	7.063	121	483066	76.17	ng/uL		94
18) 2-Methylphenol	7.051	108	2317254	80.83	ng/uL		100
19) Acetophenone	7.228	105	1854954	80.82	ng/ul		99
20) n-Nitroso-di-n-propyla...	7.275	70	944715	75.23	ng/uL		97
21) Hexachloroethane	7.357	117	539957	75.48	ng/uL		93
22) 3+4-Methylphenol	7.334	108	5575734	159.19	ng/uL		100
25) Nitrobenzene	7.487	77	1492453	79.28	ng/uL		98
26) Isophorone	7.892	82	2660611	78.77	ng/uL		99
27) 2-Nitrophenol	8.004	139	791233	81.79	ng/uL		99
28) Benzoic Acid	8.357	105	857491m	79.51	ng/uL		
29) 2,4-Dimethylphenol	8.163	107	1518905m	84.47	ng/uL		
30) bis(2-Chloroethoxy)met...	8.292	93	1764901	80.15	ng/uL		99
31) 2,4-Dichlorophenol	8.410	162	1256209	83.75	ng/uL		100
32) 1,2,4-Trichlorobenzene	8.522	180	1326522	80.14	ng/uL		100
33) Naphthalene	8.628	128	5016232	82.22	ng/uL		100
34) 4-Chloroaniline	8.757	127	1692195	68.82	ng/uL		100
35) Hexachlorobutadiene	8.881	225	733203	81.25	ng/uL		97
36) Caprolactam	9.292	113	591697	87.49	ug/mL#		39
37) 4-Chloro-3-methylphenol	9.604	107	1447453	84.20	ng/uL		98
38) 2-Methylnaphthalene	9.769	142	5739911	80.91	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002900.D
 Acq On : 9 Oct 2012 7:15 pm
 Operator : IBM
 Sample : CJ20519-BS1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

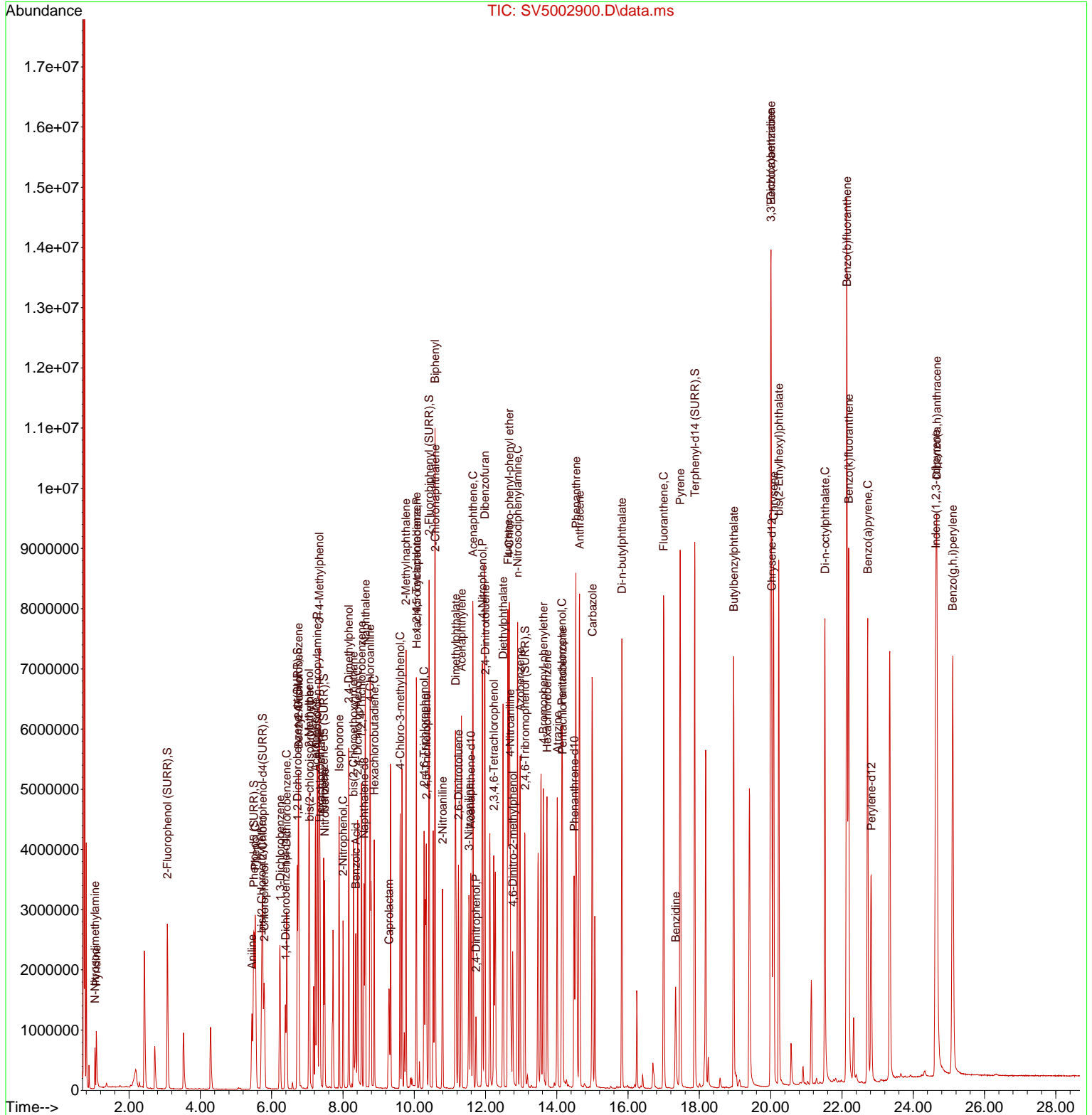
Quant Time: Oct 10 08:46:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2,4,5-Tetrachloroben...	10.057	216	1459066	85.20	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	449597	72.51	ng/uL	100
43) 2,4,6-Trichlorophenol	10.275	196	950151	81.68	ng/uL	99
44) 2,4,5-Trichlorophenol	10.339	196	1032426	86.74	ng/uL	99
46) Biphenyl	10.580	154	5332391	80.86	ng/uL	91
47) 2-Chloronaphthalene	10.592	162	2954761	75.20	ng/uL	99
48) Dimethylphthalate	11.157	163	3602423	84.54	ng/uL	99
49) Acenaphthylene	11.322	152	5565071	77.72	ng/uL	100
50) 2,6-Dinitrotoluene	11.239	165	901490	87.27	ng/uL	98
51) 2-Nitroaniline	10.792	65	1012427	69.95	ng/uL	95
52) Acenaphthene	11.645	153	5111719	87.65	ng/uL	100
53) 2,4-Dinitrophenol	11.733	184	322203	73.05	ng/uL	99
54) Dibenzofuran	11.974	168	4597550	83.75	ng/uL	99
55) 4-Nitrophenol	11.910	65	623196	84.88	ng/uL#	43
56) 3-Nitroaniline	11.533	138	977295	80.28	ng/uL	99
57) 2,4-Dinitrotoluene	11.986	165	1152134	87.67	ng/uL	82
58) Fluorene	12.627	166	7977634	89.77	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.233	232	918762	86.17	ng/uL	95
60) Diethylphthalate	12.492	149	3759653	87.31	ng/uL	99
61) 4-Chloro-phenyl-phenyl...	12.663	204	1927195	84.21	ng/uL	99
63) 4-Nitroaniline	12.692	138	1008090	81.67	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.763	198	663854	82.59	ng/uL	97
65) n-Nitrosodiphenylamine	12.898	169	5754639	87.92	ng/uL#	54
66) Azobenzene	12.969	77	3578316	79.48	ng/uL	97
68) 4-Bromophenyl-phenylether	13.621	248	1146385	86.42	ng/uL	100
69) Hexachlorobenzene	13.727	284	1267872	84.95	ng/uL	97
70) Atrazine	14.010	200	1019187	104.57	ug/mL	96
71) Pentachloronitrobenzene	14.163	237	444563	89.09	ng/uL	96
72) Pentachlorophenol	14.139	266	789716	78.45	ng/uL	98
73) Phenanthrene	14.533	178	7030540	92.69	ng/uL	96
74) Anthracene	14.639	178	7008258	94.94	ng/uL	100
75) Carbazole	14.998	167	6952267	87.89	ng/uL	100
76) Di-n-butylphthalate	15.827	149	6685600	92.81	ng/uL	100
77) Fluoranthene	16.998	202	7666874	91.02	ng/uL	99
78) Benzidine	17.333	184	1608368	57.53	ng/uL	99
80) Pyrene	17.462	202	8699316	91.76	ng/uL	98
82) Butylbenzylphthalate	18.962	149	3068131	85.05	ng/uL	99
83) 3,3'-Dichlorobenzidine	20.003	252	2290764	77.22	ng/uL	99
84) Benzo(a)anthracene	20.009	228	7674262	90.21	ng/uL	100
85) Chrysene	20.080	228	7420142	89.84	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	4221612	86.98	ng/uL	99
88) Di-n-octylphthalate	21.521	149	7163013	99.82	ng/uL	100
89) Benzo(b)fluoranthene	22.139	252	8214794	95.59	ng/uL	99
90) Benzo(k)fluoranthene	22.186	252	7888874	98.35	ng/uL	98
91) Benzo(a)pyrene	22.721	252	7356383	88.85	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.632	276	10414937	91.89	ng/uL	95
93) Dibenzo(a,h)anthracene	24.662	278	10233407	96.93	ng/uL	98
94) Benzo(g,h,i)perylene	25.109	276	8867550	91.77	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

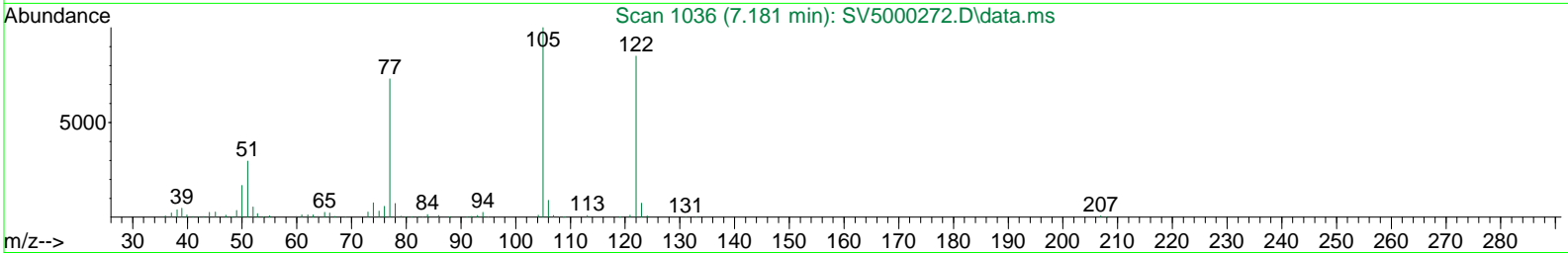
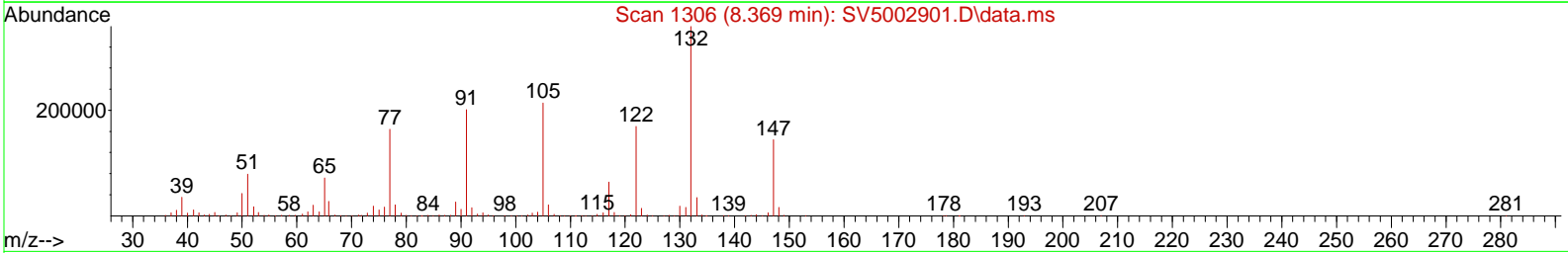
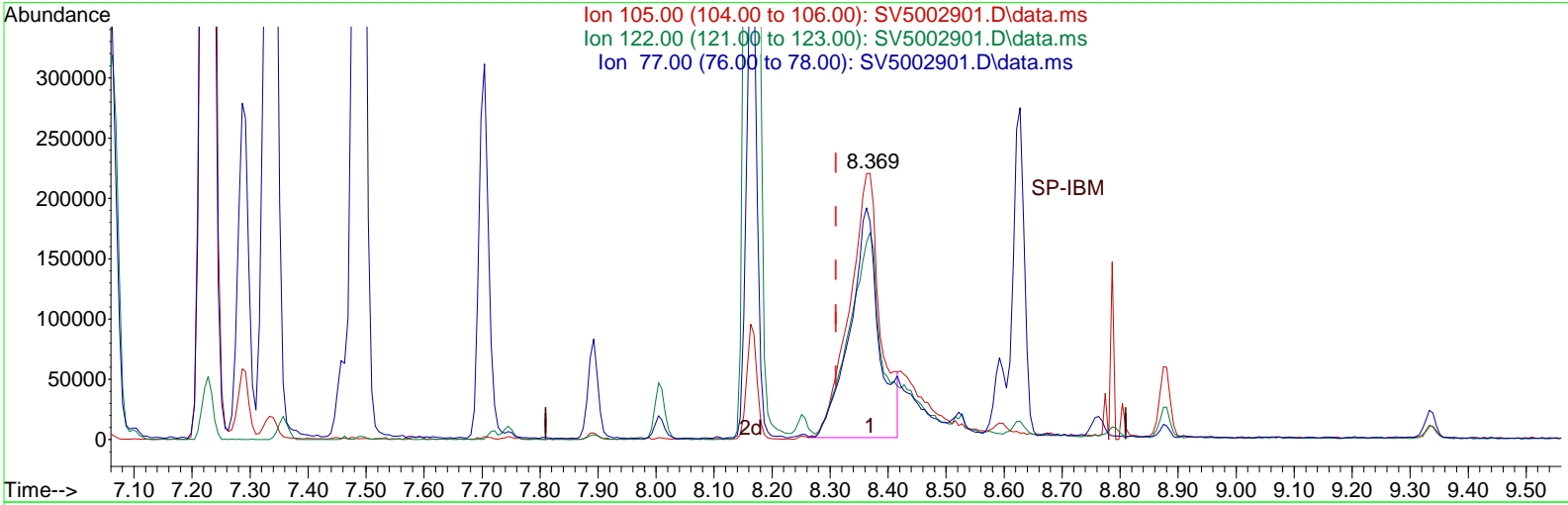
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 Data File : SV5002900.D
 Acq On : 9 Oct 2012 7:15 pm
 Operator : IBM
 Sample : CJ20519-BS1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:46:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002901.D
 Acq On : 9 Oct 2012 7:48 pm
 Operator : IBM
 Sample : CJ20519-BSD1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:46:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



TIC: SV5002901.D\data.ms

(28) Benzoic Acid

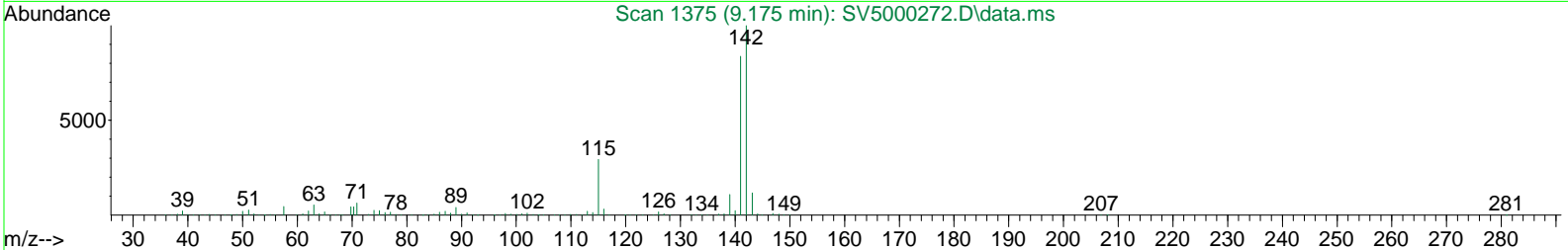
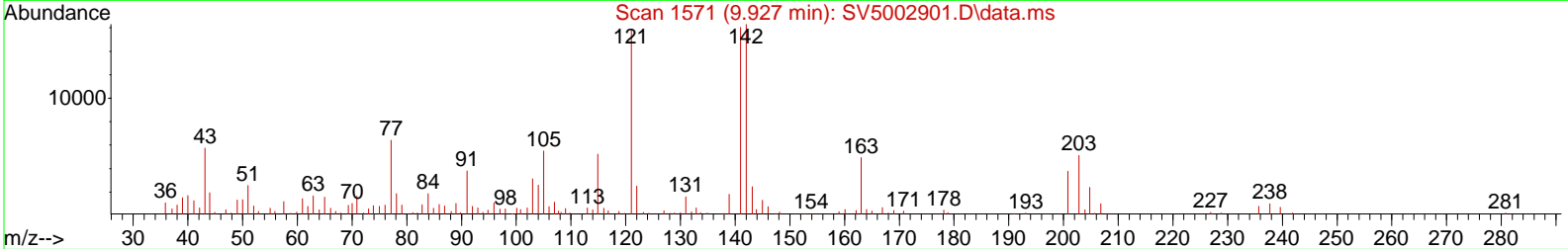
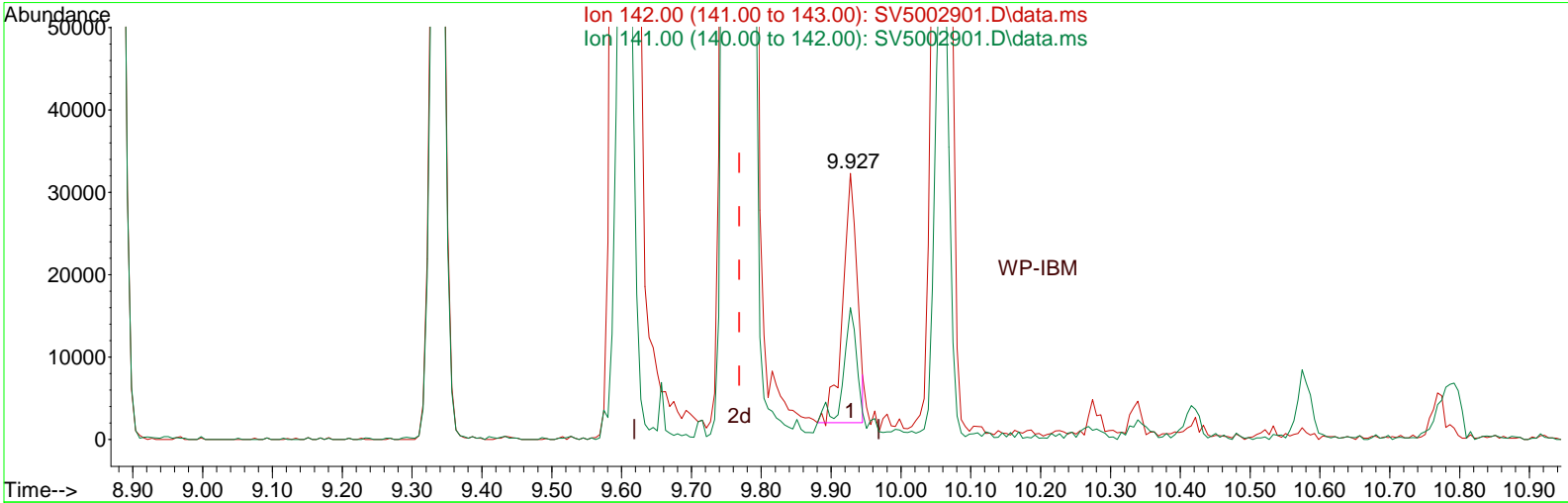
8.369min (+0.059) 66.88 ng/uL

response 803851

Ion	Exp%	Act%
105.00	100	100
122.00	81.40	76.87
77.00	74.00	83.31
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002901.D
 Acq On : 9 Oct 2012 7:48 pm
 Operator : IBM
 Sample : CJ20519-BSD1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:46:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
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 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



TIC: SV5002901.D\data.ms

(38) 2-Methylnaphthalene
 9.927min (+0.159) 0.55 ng/uL
 response 43636

Ion	Exp%	Act%
142.00	100	100
141.00	95.50	100.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002901.D
 Acq On : 9 Oct 2012 7:48 pm
 Operator : IBM
 Sample : CJ20519-BSD1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:48:14 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.386	152	585906	40.00	ng/uL	0.00
23) Naphthalene-d8	8.592	136	2512359	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.586	164	1787641	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.486	188	3234042	40.00	ng/uL	0.00
79) Chrysene-d12	20.027	240	3460186	40.00	ng/uL	0.00
87) Perylene-d12	22.821	264	3537189	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	3.075	112	1997581	133.63	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	89.09%	
7) Phenol-d5 (SURR)	5.498	99	2832222	138.32	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	92.21%	
11) 2-Chlorophenol-d4(SURR)	5.745	132	2450152	139.30	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	92.87%	
14) 1,2 Dichlorobenzene-d4...	6.722	152	1305460	98.55	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	98.55%	
24) Nitrobenzene-d5 (SURR)	7.457	82	1829349	93.11	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	93.11%	
45) 2-Fluorobiphenyl (SURR)	10.416	172	6220486	95.96	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	95.96%	
67) 2,4,6-Tribromophenol (...)	13.104	330	1117688	160.31	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	106.87%	
81) Terphenyl-d14 (SURR)	17.868	244	7867174	106.48	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	106.48%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.040	42	318428	68.64	ng/uL	98
3) Pyridine	1.081	79	672526	61.14	ng/uL	96
6) bis(2-Chloroethyl)ether	5.716	63	925234	78.42	ng/uL	98
8) 2-Chlorophenol	5.792	128	1421111	80.37	ng/uL	88
9) Phenol	5.539	94	1746088	80.95	ng/uL	99
10) Aniline	5.445	93	1591206	66.00	ng/uL	93
12) 1,3-Dichlorobenzene	6.234	146	1564243	78.79	ng/uL	96
13) 1,4-Dichlorobenzene	6.422	146	1638386	80.25	ng/uL	95
15) 1,2-Dichlorobenzene	6.751	146	1572876	80.38	ng/uL	94
16) Benzyl Alcohol	6.757	79	1197153	74.75	ng/uL	98
17) bis(2-chloroisopropyl)...	7.063	121	558448	78.02	ng/uL	96
18) 2-Methylphenol	7.051	108	2679759	82.83	ng/uL	96
19) Acetophenone	7.228	105	2159588	83.37	ng/uL	98
20) n-Nitroso-di-n-propyla...	7.275	70	1101990	77.75	ng/uL	95
21) Hexachloroethane	7.357	117	618606	76.62	ng/uL	94
22) 3+4-Methylphenol	7.339	108	6400134	161.90	ng/uL	99
25) Nitrobenzene	7.486	77	1739992	82.94	ng/uL	98
26) Isophorone	7.892	82	3098662	82.31	ng/uL	100
27) 2-Nitrophenol	8.004	139	930842	86.34	ng/uL	99
28) Benzoic Acid	8.369	105	1026393m	85.40	ng/uL	
29) 2,4-Dimethylphenol	8.163	107	1762277	87.94	ng/uL	97
30) bis(2-Chloroethoxy)met...	8.298	93	2045467	83.36	ng/uL	98
31) 2,4-Dichlorophenol	8.416	162	1461558	87.44	ng/uL	98
32) 1,2,4-Trichlorobenzene	8.522	180	1519261	82.36	ng/uL	97
33) Naphthalene	8.627	128	5755613	84.65	ng/uL	100
34) 4-Chloroaniline	8.763	127	1973510	72.02	ng/uL	98
35) Hexachlorobutadiene	8.880	225	838037	83.33	ng/uL	95
36) Caprolactam	9.298	113	689632	91.50	ug/mL#	40
37) 4-Chloro-3-methylphenol	9.604	107	1705502	89.02	ng/uL	99
38) 2-Methylnaphthalene	9.769	142	6662235m	84.26	ng/uL	

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002901.D
 Acq On : 9 Oct 2012 7:48 pm
 Operator : IBM
 Sample : CJ20519-BSD1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

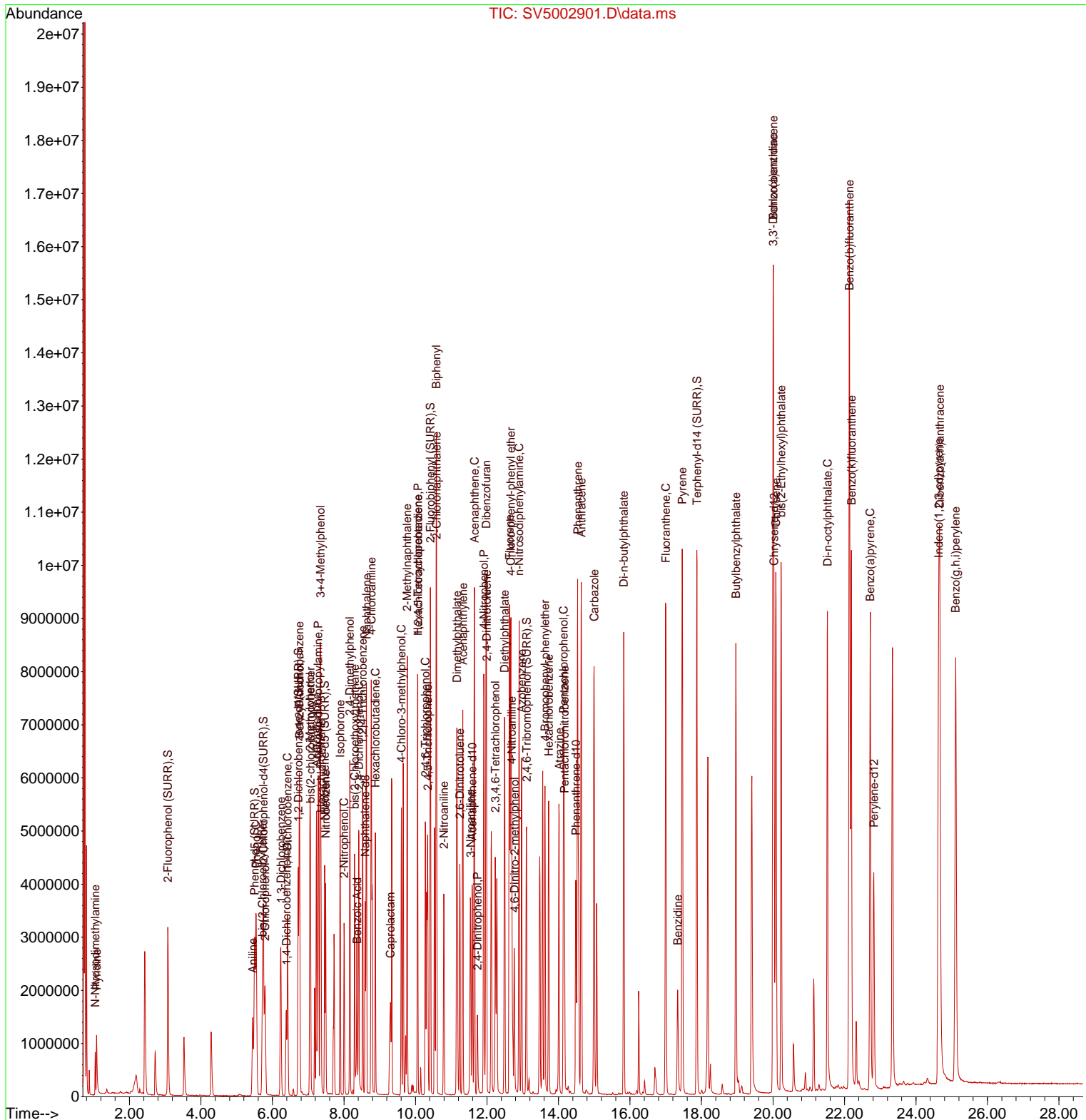
Quant Time: Oct 10 08:48:14 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2,4,5-Tetrachloroben...	10.063	216	1708501	89.52	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	551469	78.94	ng/uL	98
43) 2,4,6-Trichlorophenol	10.274	196	1108316	84.92	ng/uL	98
44) 2,4,5-Trichlorophenol	10.339	196	1209693	90.59	ng/uL	99
46) Biphenyl	10.580	154	6146801	83.09	ng/uL	92
47) 2-Chloronaphthalene	10.592	162	3405731	77.26	ng/uL	99
48) Dimethylphthalate	11.157	163	4161859	87.06	ng/uL	100
49) Acenaphthylene	11.321	152	6435368	80.11	ng/uL	100
50) 2,6-Dinitrotoluene	11.239	165	1052885	90.85	ng/uL	98
51) 2-Nitroaniline	10.792	65	1181868	72.79	ng/uL	95
52) Acenaphthene	11.651	153	5892032	90.05	ng/uL	100
53) 2,4-Dinitrophenol	11.733	184	403897	79.01	ng/uL	99
54) Dibenzofuran	11.974	168	5318439	86.36	ng/uL	99
55) 4-Nitrophenol	11.910	65	730652	88.70	ng/uL#	46
56) 3-Nitroaniline	11.539	138	1150063	84.21	ng/uL	94
57) 2,4-Dinitrotoluene	11.986	165	1339286	90.84	ng/uL	86
58) Fluorene	12.627	166	9183811	92.11	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.233	232	1090946	91.21	ng/uL	95
60) Diethylphthalate	12.492	149	4328270	89.60	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.663	204	2232379	86.94	ng/uL	99
63) 4-Nitroaniline	12.692	138	1181859	84.19	ng/uL	97
64) 4,6-Dinitro-2-methylph...	12.768	198	812271	88.02	ng/uL	89
65) n-Nitrosodiphenylamine	12.898	169	6646961	89.30	ng/uL#	55
66) Azobenzene	12.968	77	4147535	81.02	ng/uL	98
68) 4-Bromophenyl-phenylether	13.621	248	1338115	88.70	ng/uL	98
69) Hexachlorobenzene	13.727	284	1453987	85.67	ng/uL	99
70) Atrazine	14.015	200	1137159	102.60	ug/mL	99
71) Pentachloronitrobenzene	14.168	237	507352	89.41	ng/uL	91
72) Pentachlorophenol	14.139	266	938886	81.70	ng/uL	96
73) Phenanthrene	14.533	178	8102455	93.93	ng/uL	100
74) Anthracene	14.639	178	8013109	95.46	ng/uL	96
75) Carbazole	14.998	167	7968484	88.59	ng/uL	100
76) Di-n-butylphthalate	15.827	149	7687612	93.85	ng/uL	100
77) Fluoranthene	17.003	202	8754786	91.40	ng/uL	100
78) Benzidine	17.333	184	1920371	60.41	ng/uL	96
80) Pyrene	17.462	202	9895533	93.35	ng/uL	98
82) Butylbenzylphthalate	18.962	149	3546535	87.91	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.003	252	2597517	78.31	ng/uL	99
84) Benzo(a)anthracene	20.009	228	8732142	91.80	ng/uL	100
85) Chrysene	20.080	228	8466232	91.67	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	4869970	89.73	ng/uL	99
88) Di-n-octylphthalate	21.521	149	8341359	101.83	ng/uL	100
89) Benzo(b)fluoranthene	22.138	252	9224419	94.02	ng/uL	99
90) Benzo(k)fluoranthene	22.191	252	9230163	100.80	ng/uL	99
91) Benzo(a)pyrene	22.715	252	8876803	93.91	ng/uL	98
92) Indeno(1,2,3-cd)pyrene	24.632	276	11978264	92.58	ng/uL	93
93) Dibenzo(a,h)anthracene	24.668	278	11881461	98.58	ng/uL	99
94) Benzo(g,h,i)perylene	25.109	276	10307916	93.45	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002901.D
 Acq On : 9 Oct 2012 7:48 pm
 Operator : IBM
 Sample : CJ20519-BSD1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:48:14 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Wed Oct 10 08:46:37 2012
 Response via : Initial Calibration



PAH Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0074

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	CVJ0074-TUN1	SV5002882.D	10/09/12 09:49
Cal Standard	CVJ0074-CAL1	SV5002884.D	10/09/12 10:40
Cal Standard	CVJ0074-CAL2	SV5002885.D	10/09/12 11:13
Cal Standard	CVJ0074-CAL3	SV5002886.D	10/09/12 11:46
Cal Standard	CVJ0074-CAL4	SV5002887.D	10/09/12 12:19
Cal Standard	CVJ0074-CAL5	SV5002888.D	10/09/12 12:52
Cal Standard	CVJ0074-CAL6	SV5002889.D	10/09/12 13:26
Cal Standard	CVJ0074-CAL7	SV5002890.D	10/09/12 13:59
Cal Standard	CVJ0074-CAL8	SV5002891.D	10/09/12 14:32
Cal Standard	CVJ0074-CAL9	SV5002892.D	10/09/12 15:05
Cal Standard	CVJ0074-CALA	SV5002893.D	10/09/12 15:38
Cal Standard	CVJ0074-CALB	SV5002894.D	10/09/12 16:11
Cal Standard	CVJ0074-CALC	SV5002895.D	10/09/12 16:45
Secondary Cal Check	CVJ0074-SCV1	SV5002896.D	10/09/12 17:18

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Lab File ID: SV5002882.D

Injection Date: 10/09/12

Instrument ID: SVOAMS5

Injection Time: 09:49

Sequence: CVJ0074

Lab Sample ID: CVJ0074-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41.9	PASS
68	Less than 2% of 69	0.489	PASS
69	Less than 100% of 198	46.5	PASS
70	Less than 2% of 69	0.613	PASS
127	40 - 60% of 198	50.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.98	PASS
275	10 - 30% of 198	21.4	PASS
365	1 - 100% of 198	1.92	PASS
441	0.01 - 100% of 443	17.2	PASS
442	40 - 110% of 198	68.4	PASS
443	17 - 23% of 442	20.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Lab File ID: SV5002897.D

Injection Date: 10/09/12

Instrument ID: SVOAMS5

Injection Time: 17:55

Sequence: CVJ0082

Lab Sample ID: CVJ0082-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36	PASS
68	Less than 2% of 69	0.949	PASS
69	Less than 100% of 198	41.1	PASS
70	Less than 2% of 69	0.553	PASS
127	40 - 60% of 198	47.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.83	PASS
275	10 - 30% of 198	22.4	PASS
365	1 - 100% of 198	2.01	PASS
441	0.01 - 100% of 443	24.3	PASS
442	40 - 110% of 198	75.9	PASS
443	17 - 23% of 442	19.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Lab File ID: SV5002938.D

Injection Date: 10/10/12

Instrument ID: SVOAMS5

Injection Time: 15:26

Sequence: CVJ0098

Lab Sample ID: CVJ0098-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	37.8	PASS
68	Less than 2% of 69	0.89	PASS
69	Less than 100% of 198	42.6	PASS
70	Less than 2% of 69	0.549	PASS
127	40 - 60% of 198	48.8	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.87	PASS
275	10 - 30% of 198	22.1	PASS
365	1 - 100% of 198	2.01	PASS
441	0.01 - 100% of 443	5.99	PASS
442	40 - 110% of 198	72.4	PASS
443	17 - 23% of 442	19.8	PASS

CONTINUING CALIBRATION CHECK

8270C

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210126</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Instrument ID: <u>SVOAMS5</u>	Calibration: <u>1210012</u>
Lab File ID: <u>SV5002898.D</u>	Calibration Date: <u>10/09/12 10:32</u>
Sequence: <u>CVJ0082</u>	Injection Date: <u>10/09/12</u>
Lab Sample ID: <u>CVJ0082-CCV1</u>	Injection Time: <u>18:08</u>

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Methylnaphthalene	A	50.00	52.4	1.258819	1.317865		4.7	30
Acenaphthene	A	50.00	51.5	1.464067	1.50814		3.0	20
Acenaphthylene	A	50.00	52.5	1.797565	1.888842		5.1	30
Anthracene	A	50.00	53.4	1.03825	1.108777		6.8	30
Benzo(a)anthracene	A	50.00	51.0	1.099614	1.12078		1.9	30
Benzo(a)pyrene	A	50.00	52.4	1.068878	1.119686		4.8	20
Benzo(b)fluoranthene	A	50.00	55.3	1.10943	1.227999		10.7	30
Benzo(g,h,i)perylene	A	50.00	49.4	1.247372	1.232928		-1.2	30
Benzo(k)fluoranthene	A	50.00	54.1	1.035502	1.119876		8.1	30
Chrysene	A	50.00	50.6	1.067638	1.081596		1.3	30
Dibenzo(a,h)Anthracene	A	50.00	52.8	1.362946	1.437887		5.5	30
Fluoranthene	A	50.00	54.1	1.184745	1.280933		8.1	20
Fluorene	A	50.00	52.5	2.230883	2.343071		5.0	30
Indeno(1,2,3-cd)Pyrene	A	50.00	49.7	1.463115	1.453085		-0.7	30
Naphthalene	A	50.00	52.4	1.082583	1.13501		4.8	30
Phenanthrene	A	50.00	52.4	1.066886	1.117733		4.8	30
Pyrene	A	50.00	51.2	1.225442	1.255896		2.5	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: SVOAMS5

Calibration: 1210012

Lab File ID: SV5002939.D

Calibration Date: 10/09/12 10:32

Sequence: CVJ0098

Injection Date: 10/10/12

Lab Sample ID: CVJ0098-CCV1

Injection Time: 15:40

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Methylnaphthalene	A	50.00	51.5	1.258819	1.297655		3.1	30
Acenaphthene	A	50.00	51.7	1.464067	1.512785		3.3	20
Acenaphthylene	A	50.00	52.9	1.797565	1.90187		5.8	30
Anthracene	A	50.00	53.4	1.03825	1.108235		6.7	30
Benzo(a)anthracene	A	50.00	50.7	1.099614	1.115017		1.4	30
Benzo(a)pyrene	A	50.00	51.5	1.068878	1.101332		3.0	20
Benzo(b)fluoranthene	A	50.00	57.3	1.10943	1.270751		14.5	30
Benzo(g,h,i)perylene	A	50.00	49.8	1.247372	1.241186		-0.5	30
Benzo(k)fluoranthene	A	50.00	54.2	1.035502	1.122614		8.4	30
Chrysene	A	50.00	49.6	1.067638	1.058174		-0.9	30
Dibenzo(a,h)Anthracene	A	50.00	52.5	1.362946	1.431185		5.0	30
Fluoranthene	A	50.00	48.1	1.184745	1.138695		-3.9	20
Fluorene	A	50.00	53.0	2.230883	2.365979		6.1	30
Indeno(1,2,3-cd)Pyrene	A	50.00	50.4	1.463115	1.47551		0.8	30
Naphthalene	A	50.00	52.2	1.082583	1.131118		4.5	30
Phenanthrene	A	50.00	52.5	1.066886	1.119764		5.0	30
Pyrene	A	50.00	45.6	1.225442	1.118177		-8.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0074

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0074-CAL1)				Lab File ID: SV5002884.D		Analyzed: 10/09/12 10:40		
1,2-Dichlorobenzene-d4	1.000	168		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	1.000	99		10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	1.000	103		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	1.000	89		17.868	17.87236	-0.0044	+/-1.0	
Cal Standard (CVJ0074-CAL2)				Lab File ID: SV5002885.D		Analyzed: 10/09/12 11:13		
1,2-Dichlorobenzene-d4	5.000	86		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	5.000	98		10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	5.000	92		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	5.000	89		17.868	17.87236	-0.0044	+/-1.0	
Cal Standard (CVJ0074-CAL3)				Lab File ID: SV5002886.D		Analyzed: 10/09/12 11:46		
1,2-Dichlorobenzene-d4	10.00	85		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	10.00	102		10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	10.00	95		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	10.00	102		17.868	17.87236	-0.0044	+/-1.0	
Cal Standard (CVJ0074-CAL4)				Lab File ID: SV5002887.D		Analyzed: 10/09/12 12:19		
1,2-Dichlorobenzene-d4	20.00	85		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	20.00	103		10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	20.00	102		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	20.00	104		17.874	17.87236	0.0016	+/-1.0	
Cal Standard (CVJ0074-CAL5)				Lab File ID: SV5002888.D		Analyzed: 10/09/12 12:52		
1,2-Dichlorobenzene-d4	50.00	86		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	50.00	102		10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	50.00	102		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	50.00	108		17.868	17.87236	-0.0044	+/-1.0	
Cal Standard (CVJ0074-CAL6)				Lab File ID: SV5002889.D		Analyzed: 10/09/12 13:26		
1,2-Dichlorobenzene-d4	75.00	84		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	75.00	99		10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	75.00	102		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	75.00	108		17.874	17.87236	0.0016	+/-1.0	
Cal Standard (CVJ0074-CAL7)				Lab File ID: SV5002890.D		Analyzed: 10/09/12 13:59		
1,2-Dichlorobenzene-d4	100.0	83		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	100.0	94		10.422	10.41864	0.0034	+/-1.0	
Nitrobenzene-d5	100.0	99		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	100.0	108		17.874	17.87236	0.0016	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0074

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0074-CAL8)		Lab File ID: SV5002891.D			Analyzed: 10/09/12 14:32			
1,2-Dichlorobenzene-d4	125.0	82		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	125.0	94		10.421	10.41864	0.0024	+/-1.0	
Nitrobenzene-d5	125.0	99		7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	125.0	106		17.874	17.87236	0.0016	+/-1.0	
Cal Standard (CVJ0074-CAL9)		Lab File ID: SV5002892.D			Analyzed: 10/09/12 15:05			
1,2-Dichlorobenzene-d4	150.0	83		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	150.0	92		10.422	10.41864	0.0034	+/-1.0	
Nitrobenzene-d5	150.0	98		7.463	7.458636	0.0044	+/-1.0	
p-Terphenyl-d14	150.0	101		17.874	17.87236	0.0016	+/-1.0	
Cal Standard (CVJ0074-CALA)		Lab File ID: SV5002893.D			Analyzed: 10/09/12 15:38			
1,2-Dichlorobenzene-d4	200.0	81		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	200.0	88		10.422	10.41864	0.0034	+/-1.0	
Nitrobenzene-d5	200.0	96		7.463	7.458636	0.0044	+/-1.0	
p-Terphenyl-d14	200.0	100		17.874	17.87236	0.0016	+/-1.0	
Cal Standard (CVJ0074-CALB)		Lab File ID: SV5002894.D			Analyzed: 10/09/12 16:11			
1,2-Dichlorobenzene-d4	250.0	82		6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	250.0	88		10.422	10.41864	0.0034	+/-1.0	
Nitrobenzene-d5	250.0	96		7.463	7.458636	0.0044	+/-1.0	
p-Terphenyl-d14	250.0	99		17.88	17.87236	0.0076	+/-1.0	
Secondary Cal Check (CVJ0074-SCV1)		Lab File ID: SV5002896.D			Analyzed: 10/09/12 17:18			
1,2-Dichlorobenzene-d4	50.00	115	70 - 130	6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	50.00	107	70 - 130	10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	50.00	105	70 - 130	7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	50.00	104	70 - 130	17.868	17.87236	-0.0044	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210126</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Sequence: <u>CVJ0082</u>	Instrument: <u>SVOAMS5</u>
Matrix: <u>Solid</u>	Calibration: <u>1210012</u>

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (CVJ0082-CCV1)			Lab File ID: SV5002898.D		Analyzed: 10/09/12 18:08			
1,2-Dichlorobenzene-d4	50.00	111	70 - 130	6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	50.00	103	70 - 130	10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	50.00	101	70 - 130	7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	50.00	106	70 - 130	17.868	17.87236	-0.0044	+/-1.0	
Blank (CJ20519-BLK1)			Lab File ID: SV5002899.D		Analyzed: 10/09/12 18:41			
1,2-Dichlorobenzene-d4	3.333	101	30 - 130	6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	3.333	94	30 - 130	10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	3.333	93	30 - 130	7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	3.333	105	30 - 130	17.868	17.87236	-0.0044	+/-1.0	
LCS (CJ20519-BS1)			Lab File ID: SV5002900.D		Analyzed: 10/09/12 19:15			
1,2-Dichlorobenzene-d4	3.333	98	30 - 130	6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	3.333	94	30 - 130	10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	3.333	91	30 - 130	7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	3.333	106	30 - 130	17.868	17.87236	-0.0044	+/-1.0	
LCS Dup (CJ20519-BSD1)			Lab File ID: SV5002901.D		Analyzed: 10/09/12 19:48			
1,2-Dichlorobenzene-d4	3.333	99	30 - 130	6.722	6.722	0.0000	+/-1.0	
2-Fluorobiphenyl	3.333	96	30 - 130	10.416	10.41864	-0.0026	+/-1.0	
Nitrobenzene-d5	3.333	93	30 - 130	7.457	7.458636	-0.0016	+/-1.0	
p-Terphenyl-d14	3.333	106	30 - 130	17.868	17.87236	-0.0044	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0098

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (CVJ0098-CCV1)			Lab File ID: SV5002939.D		Analyzed: 10/10/12 15:40			
1,2-Dichlorobenzene-d4	50.00	102	70 - 130	6.692	6.722	-0.0300	+/-1.0	
2-Fluorobiphenyl	50.00	110	70 - 130	10.392	10.41864	-0.0266	+/-1.0	
Nitrobenzene-d5	50.00	98	70 - 130	7.439	7.458636	-0.0196	+/-1.0	
p-Terphenyl-d14	50.00	95	70 - 130	17.839	17.87236	-0.0334	+/-1.0	
SSSWB01 (1210126-01)			Lab File ID: SV5002955.D		Analyzed: 10/11/12 00:32			
1,2-Dichlorobenzene-d4	3.477	76	30 - 130	6.698	6.722	-0.0240	+/-1.0	
2-Fluorobiphenyl	3.477	87	30 - 130	10.392	10.41864	-0.0266	+/-1.0	
Nitrobenzene-d5	3.477	84	30 - 130	7.439	7.458636	-0.0196	+/-1.0	
p-Terphenyl-d14	3.477	88	30 - 130	17.845	17.87236	-0.0274	+/-1.0	
SSSWS01 (1210126-02)			Lab File ID: SV5002956.D		Analyzed: 10/11/12 01:05			
1,2-Dichlorobenzene-d4	3.643	48	30 - 130	6.692	6.722	-0.0300	+/-1.0	
2-Fluorobiphenyl	3.643	56	30 - 130	10.392	10.41864	-0.0266	+/-1.0	
Nitrobenzene-d5	3.643	50	30 - 130	7.439	7.458636	-0.0196	+/-1.0	
p-Terphenyl-d14	3.643	63	30 - 130	17.839	17.87236	-0.0334	+/-1.0	
SSSWW01 (1210126-03)			Lab File ID: SV5002957.D		Analyzed: 10/11/12 01:38			
1,2-Dichlorobenzene-d4	3.668	55	30 - 130	6.692	6.722	-0.0300	+/-1.0	
2-Fluorobiphenyl	3.668	61	30 - 130	10.392	10.41864	-0.0266	+/-1.0	
Nitrobenzene-d5	3.668	57	30 - 130	7.439	7.458636	-0.0196	+/-1.0	
p-Terphenyl-d14	3.668	67	30 - 130	17.844	17.87236	-0.0284	+/-1.0	
SSSWN01 (1210126-04)			Lab File ID: SV5002958.D		Analyzed: 10/11/12 02:11			
1,2-Dichlorobenzene-d4	3.477	54	30 - 130	6.692	6.722	-0.0300	+/-1.0	
2-Fluorobiphenyl	3.477	63	30 - 130	10.392	10.41864	-0.0266	+/-1.0	
Nitrobenzene-d5	3.477	57	30 - 130	7.439	7.458636	-0.0196	+/-1.0	
p-Terphenyl-d14	3.477	76	30 - 130	17.839	17.87236	-0.0334	+/-1.0	
SSSWE01 (1210126-05)			Lab File ID: SV5002959.D		Analyzed: 10/11/12 02:44			
1,2-Dichlorobenzene-d4	3.440	57	30 - 130	6.692	6.722	-0.0300	+/-1.0	
2-Fluorobiphenyl	3.440	63	30 - 130	10.392	10.41864	-0.0266	+/-1.0	
Nitrobenzene-d5	3.440	61	30 - 130	7.439	7.458636	-0.0196	+/-1.0	
p-Terphenyl-d14	3.440	63	30 - 130	17.839	17.87236	-0.0334	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0074

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0074-CAL1)			Lab File ID: SV5002884.D			Analyzed: 10/09/12 10:40			
1,4-Dichlorobenzene-d4	638911	6.381	676593	6.386	94	50 - 200	-0.0050	+/-0.50	
Naphthalene-d8	2969690	8.592	3038708	8.592	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1966896	11.586	2044237	11.592	96	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	3383324	14.486	3597661	14.486	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3476081	20.021	3742929	20.027	93	50 - 200	-0.0060	+/-0.50	
Perylene-d12	3736827	22.821	3824262	22.821	98	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0074-CAL2)			Lab File ID: SV5002885.D			Analyzed: 10/09/12 11:13			
1,4-Dichlorobenzene-d4	676625	6.386	676593	6.386	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	3122608	8.592	3038708	8.592	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	2070021	11.586	2044237	11.592	101	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	3558394	14.48	3597661	14.486	99	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	3675495	20.021	3742929	20.027	98	50 - 200	-0.0060	+/-0.50	
Perylene-d12	3807228	22.821	3824262	22.821	100	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0074-CAL3)			Lab File ID: SV5002886.D			Analyzed: 10/09/12 11:46			
1,4-Dichlorobenzene-d4	706538	6.386	676593	6.386	104	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	3273384	8.592	3038708	8.592	108	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	2181386	11.586	2044237	11.592	107	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	3768661	14.486	3597661	14.486	105	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3935121	20.021	3742929	20.027	105	50 - 200	-0.0060	+/-0.50	
Perylene-d12	4032841	22.821	3824262	22.821	105	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0074-CAL4)			Lab File ID: SV5002887.D			Analyzed: 10/09/12 12:19			
1,4-Dichlorobenzene-d4	756971	6.386	676593	6.386	112	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	3448634	8.592	3038708	8.592	113	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	2326034	11.586	2044237	11.592	114	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	4058417	14.486	3597661	14.486	113	50 - 200	0.0000	+/-0.50	
Chrysene-d12	4223657	20.027	3742929	20.027	113	50 - 200	0.0000	+/-0.50	
Perylene-d12	4358893	22.821	3824262	22.821	114	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0074-CAL5)			Lab File ID: SV5002888.D			Analyzed: 10/09/12 12:52			
1,4-Dichlorobenzene-d4	609801	6.386	676593	6.386	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2765093	8.592	3038708	8.592	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1870326	11.592	2044237	11.592	91	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3263332	14.486	3597661	14.486	91	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3417811	20.027	3742929	20.027	91	50 - 200	0.0000	+/-0.50	
Perylene-d12	3483517	22.821	3824262	22.821	91	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0074

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0074-CAL6)			Lab File ID: SV5002889.D			Analyzed: 10/09/12 13:26			
1,4-Dichlorobenzene-d4	676593	6.386	676593	6.386	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	3038708	8.592	3038708	8.592	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	2044237	11.592	2044237	11.592	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3597661	14.486	3597661	14.486	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3742929	20.027	3742929	20.027	100	50 - 200	0.0000	+/-0.50	
Perylene-d12	3824262	22.821	3824262	22.821	100	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0074-CAL7)			Lab File ID: SV5002890.D			Analyzed: 10/09/12 13:59			
1,4-Dichlorobenzene-d4	751832	6.386	676593	6.386	111	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	3312938	8.598	3038708	8.592	109	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	2264662	11.592	2044237	11.592	111	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	4031939	14.486	3597661	14.486	112	50 - 200	0.0000	+/-0.50	
Chrysene-d12	4067336	20.033	3742929	20.027	109	50 - 200	0.0060	+/-0.50	
Perylene-d12	4204884	22.821	3824262	22.821	110	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0074-CAL8)			Lab File ID: SV5002891.D			Analyzed: 10/09/12 14:32			
1,4-Dichlorobenzene-d4	691313	6.386	676593	6.386	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2977567	8.592	3038708	8.592	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	2042738	11.592	2044237	11.592	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3652492	14.492	3597661	14.486	102	50 - 200	0.0060	+/-0.50	
Chrysene-d12	3687215	20.033	3742929	20.027	99	50 - 200	0.0060	+/-0.50	
Perylene-d12	3896074	22.821	3824262	22.821	102	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0074-CAL9)			Lab File ID: SV5002892.D			Analyzed: 10/09/12 15:05			
1,4-Dichlorobenzene-d4	718757	6.386	676593	6.386	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	3089704	8.598	3038708	8.592	102	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	2110852	11.592	2044237	11.592	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3767137	14.492	3597661	14.486	105	50 - 200	0.0060	+/-0.50	
Chrysene-d12	3781057	20.033	3742929	20.027	101	50 - 200	0.0060	+/-0.50	
Perylene-d12	4106184	22.827	3824262	22.821	107	50 - 200	0.0060	+/-0.50	
Cal Standard (CVJ0074-CALA)			Lab File ID: SV5002893.D			Analyzed: 10/09/12 15:38			
1,4-Dichlorobenzene-d4	718610	6.387	676593	6.386	106	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	3032590	8.598	3038708	8.592	100	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	2103465	11.598	2044237	11.592	103	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	3808318	14.492	3597661	14.486	106	50 - 200	0.0060	+/-0.50	
Chrysene-d12	3735571	20.039	3742929	20.027	100	50 - 200	0.0120	+/-0.50	
Perylene-d12	4304010	22.827	3824262	22.821	113	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0074

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0074-CALB)			Lab File ID: SV5002894.D			Analyzed: 10/09/12 16:11			
1,4-Dichlorobenzene-d4	634065	6.386	676593	6.386	94	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2635444	8.598	3038708	8.592	87	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	1849714	11.598	2044237	11.592	90	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	3339445	14.492	3597661	14.486	93	50 - 200	0.0060	+/-0.50	
Chrysene-d12	3245507	20.039	3742929	20.027	87	50 - 200	0.0120	+/-0.50	
Perylene-d12	3827272	22.827	3824262	22.821	100	50 - 200	0.0060	+/-0.50	
Cal Standard (CVJ0074-CALC)			Lab File ID: SV5002895.D			Analyzed: 10/09/12 16:45			
1,4-Dichlorobenzene-d4	630843	6.386	676593	6.386	93	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2827320	8.592	3038708	8.592	93	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1963446	11.586	2044237	11.592	96	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	3487290	14.48	3597661	14.486	97	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	3812792	20.021	3742929	20.027	102	50 - 200	-0.0060	+/-0.50	
Perylene-d12	4075599	22.821	3824262	22.821	107	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (CVJ0074-SCV1)			Lab File ID: SV5002896.D			Analyzed: 10/09/12 17:18			
1,4-Dichlorobenzene-d4	633647	6.387	676593	6.386	94	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2753833	8.592	3038708	8.592	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1937826	11.586	2044237	11.592	95	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	3434135	14.486	3597661	14.486	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3739390	20.027	3742929	20.027	100	50 - 200	0.0000	+/-0.50	
Perylene-d12	3767883	22.821	3824262	22.821	99	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0082

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (CVJ0082-CCV1)			Lab File ID: SV5002898.D			Analyzed: 10/09/12 18:08			
1,4-Dichlorobenzene-d4	611562	6.381				50 - 200		+/-0.50	
Naphthalene-d8	2669471	8.592				50 - 200		+/-0.50	
Acenaphthene-d10	1860475	11.586				50 - 200		+/-0.50	
Phenanthrene-d10	3304105	14.486				50 - 200		+/-0.50	
Chrysene-d12	3585232	20.027				50 - 200		+/-0.50	
Perylene-d12	3585139	22.821				50 - 200		+/-0.50	
Blank (CJ20519-BLK1)			Lab File ID: SV5002899.D			Analyzed: 10/09/12 18:41			
1,4-Dichlorobenzene-d4	551807	6.387	611562	6.381	90	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2454813	8.592	2669471	8.592	92	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1702017	11.586	1860475	11.586	91	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3033679	14.48	3304105	14.486	92	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	3183735	20.021	3585232	20.027	89	50 - 200	-0.0060	+/-0.50	
Perylene-d12	3336597	22.815	3585139	22.821	93	50 - 200	-0.0060	+/-0.50	
LCS (CJ20519-BS1)			Lab File ID: SV5002900.D			Analyzed: 10/09/12 19:15			
1,4-Dichlorobenzene-d4	519129	6.387	611562	6.381	85	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2254345	8.592	2669471	8.592	84	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1593442	11.586	1860475	11.586	86	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2843937	14.486	3304105	14.486	86	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3094415	20.027	3585232	20.027	86	50 - 200	0.0000	+/-0.50	
Perylene-d12	3098482	22.821	3585139	22.821	86	50 - 200	0.0000	+/-0.50	
LCS Dup (CJ20519-BSD1)			Lab File ID: SV5002901.D			Analyzed: 10/09/12 19:48			
1,4-Dichlorobenzene-d4	585906	6.386	611562	6.381	96	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	2512359	8.592	2669471	8.592	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1787641	11.586	1860475	11.586	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3234042	14.486	3304105	14.486	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3460186	20.027	3585232	20.027	97	50 - 200	0.0000	+/-0.50	
Perylene-d12	3537189	22.821	3585139	22.821	99	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0098

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (CVJ0098-CCV1)			Lab File ID: SV5002939.D			Analyzed: 10/10/12 15:40			
1,4-Dichlorobenzene-d4	526936	6.351				50 - 200		+/-0.50	
Naphthalene-d8	2349266	8.569				50 - 200		+/-0.50	
Acenaphthene-d10	1472324	11.563				50 - 200		+/-0.50	
Phenanthrene-d10	3057881	14.457				50 - 200		+/-0.50	
Chrysene-d12	3334821	19.997				50 - 200		+/-0.50	
Perylene-d12	3229133	22.791				50 - 200		+/-0.50	
SSSWB01 (1210126-01)			Lab File ID: SV5002955.D			Analyzed: 10/11/12 00:32			
1,4-Dichlorobenzene-d4	613925	6.357	526936	6.351	117	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2549952	8.569	2349266	8.569	109	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1752818	11.563	1472324	11.563	119	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3203825	14.457	3057881	14.457	105	50 - 200	0.0000	+/-0.50	
Chrysene-d12	3741212	19.997	3334821	19.997	112	50 - 200	0.0000	+/-0.50	
Perylene-d12	3965945	22.791	3229133	22.791	123	50 - 200	0.0000	+/-0.50	
SSSWS01 (1210126-02)			Lab File ID: SV5002956.D			Analyzed: 10/11/12 01:05			
1,4-Dichlorobenzene-d4	581494	6.357	526936	6.351	110	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2489904	8.569	2349266	8.569	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1706651	11.563	1472324	11.563	116	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	3063067	14.451	3057881	14.457	100	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	3419552	19.991	3334821	19.997	103	50 - 200	-0.0060	+/-0.50	
Perylene-d12	4085390	22.791	3229133	22.791	127	50 - 200	0.0000	+/-0.50	
SSSWW01 (1210126-03)			Lab File ID: SV5002957.D			Analyzed: 10/11/12 01:38			
1,4-Dichlorobenzene-d4	653066	6.357	526936	6.351	124	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2902923	8.569	2349266	8.569	124	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1964277	11.562	1472324	11.563	133	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	3520299	14.451	3057881	14.457	115	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	3940844	19.991	3334821	19.997	118	50 - 200	-0.0060	+/-0.50	
Perylene-d12	4520305	22.785	3229133	22.791	140	50 - 200	-0.0060	+/-0.50	
SSSWN01 (1210126-04)			Lab File ID: SV5002958.D			Analyzed: 10/11/12 02:11			
1,4-Dichlorobenzene-d4	497555	6.357	526936	6.351	94	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2208307	8.569	2349266	8.569	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1586258	11.563	1472324	11.563	108	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2865115	14.451	3057881	14.457	94	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	3353040	19.991	3334821	19.997	101	50 - 200	-0.0060	+/-0.50	
Perylene-d12	3846483	22.791	3229133	22.791	119	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0098

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210012

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SSSWE01 (1210126-05)			Lab File ID: SV5002959.D			Analyzed: 10/11/12 02:44			
1,4-Dichlorobenzene-d4	516558	6.357	526936	6.351	98	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2256769	8.569	2349266	8.569	96	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1547235	11.563	1472324	11.563	105	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2853214	14.451	3057881	14.457	93	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	3352585	19.991	3334821	19.997	101	50 - 200	-0.0060	+/-0.50	
Perylene-d12	3830925	22.791	3229133	22.791	119	50 - 200	0.0000	+/-0.50	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory	SDG: 1210126
Client: AMEC Environmental and Infrastructure	Project: Gorham Parcel C-1 Cap
Lab File ID: SV5002882.D	Injection Date: 10/09/12
Instrument ID: SVOAMS5	Injection Time: 09:49
Sequence: CVJ0074	Lab Sample ID: CVJ0074-TUN1
Calibration: 1210012	

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
70	Less than 2% of 69	0.613	PASS
69	Less than 100% of 198	46.5	PASS
68	Less than 2% of 69	0.489	PASS
51	30 - 60% of 198	41.9	PASS
443	17 - 23% of 442	20.3	PASS
442	40 - 110% of 198	68.4	PASS
441	0.01 - 100% of 443	17.2	PASS
365	1 - 100% of 198	1.92	PASS
275	10 - 30% of 198	21.4	PASS
199	5 - 9% of 198	6.98	PASS
198	Base peak, 100% relative abundance	100	PASS
197	Less than 1% of 198	0	PASS
127	40 - 60% of 198	50.9	PASS

INITIAL CALIBRATION DATA

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210012

Instrument: SVOAMSS

Matrix: Solid

Calibration Date: 10/09/12 10:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
2-Methylnaphthalene	1	1.302183	5	1.296793	10	1.319066	20	1.355054	50	1.33164	75	1.303607
Acenaphthene	1	1.559493	5	1.508456	10	1.537982	20	1.550976	50	1.537458	75	1.508867
Acenaphthylene	1	1.820655	5	1.821296	10	1.905394	20	1.959065	50	1.939348	75	1.888735
Anthracene	1	0.9856461	5	1.025143	10	1.070957	20	1.126909	50	1.144921	75	1.105958
Benzo(a)anthracene	1	1.179006	5	1.080653	10	1.110765	20	1.125527	50	1.14015	75	1.118909
Benzo(a)pyrene	1	1.048023	5	1.013867	10	1.077891	20	1.132109	50	1.141442	75	1.101772
Benzo(b)fluoranthene	1	1.051416	5	1.109273	10	1.154673	20	1.175454	50	1.249211	75	1.131636
Benzo(g,h,i)perylene	1	1.12383	5	1.149141	10	1.184468	20	1.246984	50	1.312277	75	1.267638
Benzo(k)fluoranthene	1	0.9301581	5	0.9787362	10	1.071129	20	1.14617	50	1.104459	75	1.132608
Chrysene	1	1.020183	5	1.035814	10	1.086547	20	1.188961	50	1.094895	75	1.077457
Dibenzo(a,h)Anthracene	1	1.297165	5	1.16557	10	1.230508	20	1.373148	50	1.502351	75	1.446222
Fluoranthene	1	1.095384	5	1.123943	10	1.195181	20	1.261843	50	1.305979	75	1.263589
Fluorene	1	2.206909	5	2.210787	10	2.292684	20	2.378958	50	2.390511	75	2.346387
Indeno(1,2,3-cd)Pyrene	1	1.395301	5	1.486511	10	1.508304	20	1.47148	50	1.534428	75	1.474172
Naphthalene	1	1.181982	5	1.170952	10	1.167891	20	1.173468	50	1.162573	75	1.117198
Phenanthrene	1	1.126963	5	1.124701	10	1.125191	20	1.135235	50	1.142101	75	1.110919
Pyrene	1	1.143115	5	1.162216	10	1.22744	20	1.292544	50	1.311184	75	1.275926
1,2-Dichlorobenzene-d4	1	1.600439	5	1.153738	10	1.087172	20	1.053393	50	1.028743	75	1.009021
2-Fluorobiphenyl	1	1.502469	5	1.488236	10	1.531179	20	1.559349	50	1.544508	75	1.513378
Nitrobenzene-d5	1	0.3320212	5	0.3023345	10	0.3017758	20	0.3216427	50	0.3213308	75	0.3217151
p-Terphenyl-d14	1	0.801788	5	0.7529914	10	0.833737	20	0.8537369	50	0.8922282	75	0.895283

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210012

Instrument: SVOAMS5

Matrix: Solid

Calibration Date: 10/09/12 10:32

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
2-Methylnaphthalene	100	1.250566	125	1.225888	150	1.18536	200	1.142681	250	1.134167		
Acenaphthene	100	1.449932	125	1.428384	150	1.38276	200	1.332681	250	1.307752		
Acenaphthylene	100	1.801648	125	1.769619	150	1.697425	200	1.609922	250	1.560108		
Anthracene	100	1.054655	125	1.037009	150	1.003911	200	0.9417591	250	0.9238819		
Benzo(a)anthracene	100	1.10519	125	1.098694	150	1.069638	200	1.042365	250	1.024854		
Benzo(a)pyrene	100	1.105257	125	1.077594	150	1.061068	200	1.005293	250	0.9933446		
Benzo(b)fluoranthene	100	1.136024	125	1.079565	150	1.06819	200	1.054085	250	0.994202		
Benzo(g,h,i)perylene	100	1.282944	125	1.276828	150	1.291961	200	1.28629	250	1.298733		
Benzo(k)fluoranthene	100	1.109334	125	1.098688	150	1.02477	200	0.8888492	250	0.9056176		
Chrysene	100	1.071806	125	1.061772	150	1.043968	200	1.028742	250	1.033878		
Dibenzo(a,h)Anthracene	100	1.449844	125	1.424577	150	1.419688	200	1.350092	250	1.33324		
Fluoranthene	100	1.223236	125	1.200572	150	1.174168	200	1.111151	250	1.077147		
Fluorene	100	2.257873	125	2.229344	150	2.155351	200	2.05561	250	2.015303		
Indeno(1,2,3-cd)Pyrene	100	1.482677	125	1.461172	150	1.459045	200	1.417874	250	1.403298		
Naphthalene	100	1.068193	125	1.042941	150	0.9974168	200	0.9314197	250	0.8943823		
Phenanthrene	100	1.058933	125	1.031506	150	1.001432	200	0.9506554	250	0.9281092		
Pyrene	100	1.264284	125	1.247251	150	1.216296	200	1.184969	250	1.154635		
1,2-Dichlorobenzene-d4	100	0.9705972	125	0.9404773	150	0.9267726	200	0.892488	250	0.8833994		
2-Fluorobiphenyl	100	1.437294	125	1.41499	150	1.372005	200	1.302179	250	1.289666		
Nitrobenzene-d5	100	0.3143983	125	0.3127419	150	0.3086509	200	0.3014107	250	0.3027734		
p-Terphenyl-d14	100	0.9030336	125	0.8964294	150	0.8609381	200	0.8557348	250	0.8495324		

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210012

Instrument: SVOAMS5

Matrix: Solid

Calibration Date: 10/09/12 10:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2-Methylnaphthalene	1.258819	6.106886	9.770091	3.273855E-02			15	
Acenaphthene	1.464067	6.157383	11.65045	4.174095E-02			CCC (30)	
Acenaphthylene	1.797565	7.245712	11.32427	0.0318769			15	
Anthracene	1.03825	6.923542	14.639	0.0474275			15	
Benzo(a)anthracene	1.099614	3.992177	20.00955	0.0298074			15	
Benzo(a)pyrene	1.068878	4.686856	22.725	3.771506E-02			CCC (30)	
Benzo(b)fluoranthene	1.10943	6.338068	22.13873	0.0416381			15	
Benzo(g,h,i)perylene	1.247372	5.181031	25.11464	8.124942E-02			15	
Benzo(k)fluoranthene	1.035502	9.159383	22.19227	5.792492E-02			15	
Chrysene	1.067638	4.437542	20.08291	4.628841E-02			15	
Dibenzo(a,h)Anthracene	1.362946	7.443183	24.66927	6.448069E-02			15	
Fluoranthene	1.184745	6.399681	17.00145	3.185689E-02			CCC (30)	
Fluorene	2.230883	5.474864	12.63082	4.172885E-02			15	
Indeno(1,2,3-cd)Pyrene	1.463115	2.939246	24.64245	5.968722E-02			15	
Naphthalene	1.082583	9.605103	8.628273	2.536052E-02			15	
Phenanthrene	1.066886	7.319815	14.53464	0.0472464			15	
Pyrene	1.225442	4.751378	17.46473	3.655934E-02			15	
1,2-Dichlorobenzene-d4	0.9945802	8.843333	6.722	2.123909E-02			15	
2-Fluorobiphenyl	1.450478	6.567189	10.41864	2.850237E-02			15	
Nitrobenzene-d5	0.3127996	3.323875	7.458636	0.0371766			15	
p-Terphenyl-d14	0.8541303	5.337086	17.87236	0.012738			15	

SECOND-SOURCE CALIBRATION VERIFICATION

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210012

Laboratory ID: CVJ0074-SCV1

Sequence: CVJ0074

Standard ID: 2H14089

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
1,2-Dichlorobenzene-d4	50.00	57.4	14.7	30.00
2-Fluorobiphenyl	50.00	53.6	7.3	30.00
2-Methylnaphthalene	50.00	51.8	3.6	30.00
Acenaphthene	50.00	54.9	9.8	30.00
Acenaphthylene	50.00	50.2	0.4	30.00
Anthracene	50.00	57.4	14.8	30.00
Benzo(a)anthracene	50.00	53.8	7.5	30.00
Benzo(a)pyrene	50.00	51.6	3.1	30.00
Benzo(b)fluoranthene	50.00	57.9	15.9	30.00
Benzo(g,h,i)perylene	50.00	52.7	5.4	30.00
Benzo(k)fluoranthene	50.00	57.0	14.1	30.00
Chrysene	50.00	54.1	8.2	30.00
Dibenzo(a,h)Anthracene	50.00	56.3	12.6	30.00
Fluoranthene	50.00	53.5	7.0	30.00
Fluorene	50.00	55.1	10.3	30.00
Indeno(1,2,3-cd)Pyrene	50.00	53.4	6.8	30.00
Naphthalene	50.00	53.7	7.3	30.00
Nitrobenzene-d5	50.00	52.6	5.2	30.00
Phenanthrene	50.00	56.2	12.3	30.00
p-Terphenyl-d14	50.00	51.9	3.9	30.00
Pyrene	50.00	54.8	9.6	30.00

* Values outside of QC limits

Method Path : Q:\SVOA\MS\METHODS\
 Method File : SV5AT.M
 Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 Last Update : Tue Oct 09 17:24:13 2012
 Response Via : Initial Calibration

Calibration Files
 50 =SV5002888.D 1 =SV5002885.D 5 =SV5002885.D 10 =SV5002886.D 20 =SV5002887.D 75 =SV5002889.D 100 =SV5002890.D
 150 =SV5002892.D 125 =SV5002891.D 200 =SV5002893.D 250 =SV5002894.D BA =SV5002895.D

Compound	50	1	5	10	20	75	100	150	125	200	250	BA	Avg	%RSD
-----ISTD-----														
1) I 1,4-Dichlorobenzene	0.316	0.401	0.360	0.355	0.315	0.301	0.297	0.290	0.279	0.282		0.317	12.27	
2) N-Nitrosodimet...	0.760	0.914	0.771	0.790	0.809	0.757	0.728	0.696	0.701	0.663	0.671	0.751	9.63	
3) Pyridine	1.065	1.071	1.020	1.028	1.065	1.060	1.027	0.990	0.995	0.952	0.953	1.021	4.27	
4) S 2-Fluorophenol	0.641	0.306	0.609	0.729	0.565	0.543	0.409	0.462	0.318			0.509	28.64	
5) Benzaldehyde	0.851	0.889	0.839	0.861	0.844	0.824	0.747	0.772	0.727	0.714		0.805	7.27	
6) bis(2-Chloroet...	1.467	1.556	1.405	1.443	1.463	1.444	1.388	1.325	1.343	1.280	1.264	1.398	6.35	
7) S Phenol-d5 (SURR)	1.261	1.290	1.255	1.250	1.268	1.239	1.196	1.147	1.162	1.106	1.105	1.207	5.56	
8) 2-Chlorophenol	1.567	1.597	1.514	1.599	1.567	1.528	1.450	1.374	1.407	1.303	1.292	1.473	7.75#	
9) C Phenol	1.849	1.572	1.564	1.749	1.871	1.819	1.730	1.553	1.658	1.377	1.362	1.646	10.76	
10) Aniline	1.268	1.239	1.196	1.223	1.248	1.258	1.213	1.160	1.171	1.121	1.113	1.201	4.46	
11) S 2-Chlorophenol	1.410	1.467	1.401	1.424	1.420	1.396	1.340	1.282	1.296	1.242	1.231	1.355	5.98	
12) 1,3-Dichlorobe...	1.456	1.543	1.422	1.457	1.464	1.434	1.378	1.321	1.335	1.264	1.257	1.394	6.50#	
13) C 1,4-Dichlorobe...	1.029	1.154	1.087	1.053	1.009	0.971	0.927	0.940	0.892	0.883	0.002	0.904	34.34	
14) S 1,2 Dichlorobe...	1.411	1.450	1.438	1.420	1.436	1.378	1.310	1.245	1.266	1.177	1.164	1.336	8.08	
15) 1,2-Dichlorobe...	1.177	1.185	1.058	1.098	1.173	1.123	1.092	1.049	1.053	1.013	1.006	1.093	5.90	
16) Benzyl Alcohol	0.505	0.559	0.515	0.524	0.506	0.477	0.454	0.465	0.435	0.421		0.489	8.57	
17) bis(2-chlorois...	2.335	2.437	2.277	2.324	2.356	2.317	2.201	2.039	2.131	1.943	1.937	2.209	7.83	
18) 2-Methylphenol	1.873	1.843	1.837	1.884	1.918	1.857	1.751	1.670	1.686	1.576	1.557	1.769	7.22	
19) Acetophenone	1.025	1.003	0.991	1.025	1.030	1.009	0.969	0.910	0.930	0.878	0.873	0.968	6.17	
20) P n-Nitroso-di-n...	0.582	0.618	0.582	0.597	0.600	0.564	0.539	0.511	0.520	0.478	0.472	0.551	9.13	
21) Hexachloroethane	2.889	2.918	2.811	2.813	2.898	2.800	2.702	2.517	2.596	2.395	2.347	2.699	7.59	
22) 3+4-Methylphenol														
-----ISTD-----														
23) Naphthalene-d8	0.321	0.332	0.302	0.302	0.322	0.322	0.314	0.309	0.313	0.301	0.303	0.313	3.32	
24) S Nitrobenzene-d...	0.348	0.330	0.330	0.338	0.350	0.345	0.336	0.327	0.332	0.320	0.318	0.334	3.20	
25) Nitrobenzene	0.626	0.626	0.597	0.611	0.630	0.621	0.604	0.574	0.595	0.556	0.553	0.599	4.62	
26) Isophorone	0.179	0.146	0.155	0.159	0.174	0.181	0.182	0.178	0.181	0.176	0.179	0.172	7.27#	
27) C 2-Nitrophenol	0.168			0.154	0.157	0.186	0.195	0.205	0.199	0.222	0.198	0.230	13.36	
28) Benzoic Acid	0.336	0.309	0.310	0.323	0.335	0.333	0.325	0.311	0.320	0.303	0.305	0.319	3.77	
29) 2,4-Dimethylph...	0.402	0.410	0.399	0.402	0.414	0.401	0.388	0.375	0.383	0.362	0.363	0.391	4.60	
30) bis(2-Chloroet...	0.278	0.278	0.251	0.263	0.273	0.273	0.270	0.262	0.268	0.254	0.256	0.266	3.55#	
31) C 2,4-Dichloroph...	0.305	0.313	0.304	0.302	0.308	0.299	0.288	0.279	0.287	0.272	0.273	0.294	4.91	
32) 1,2,4-Trichlor...	1.163	1.182	1.171	1.168	1.173	1.117	1.068	0.997	1.043	0.931	0.894	1.083	9.61	
33) Naphthalene	0.469	0.412	0.385	0.434	0.463	0.477	0.466	0.433	0.458	0.402	0.402	0.436	7.41	
34) C 4-Chloroaniline	0.167	0.168	0.160	0.164	0.167	0.162	0.158	0.154	0.158	0.151	0.152	0.160	3.81#	
35) Hexachlorobuta...	0.123	0.119	0.100	0.110	0.117	0.123	0.125	0.124	0.125	0.126	0.127	0.120	6.85	
36) Caprolactam	0.314	0.296	0.286	0.292	0.307	0.315	0.309	0.311	0.305	0.307		0.305	3.20#	
37) C 4-Chloro-3-met...	1.332	1.302	1.297	1.319	1.355	1.304	1.251	1.185	1.226	1.143	1.134	1.259	6.11	
38) 2-Methylnaphth...	1.262	1.217	1.213	1.241	1.274	1.227	1.179	1.127	1.160	1.080	1.078	1.187	5.77	
39) 1-Methylnaphth...	0.320	0.316	0.307	0.318	0.321	0.309	0.300	0.289	0.296	0.284	0.280	0.304	4.88	
40) 1,2,4,5-Tetrac...														
-----ISTD-----														
41) Acenaphthene-d10														

Method Path : Q:\SVOA\MS5\METHODS\
 Method File : SV5AT.M
 Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)

42) P	Hexachlorocycl...	0.145	0.069	0.098	0.127	0.162	0.162	0.156	0.131	27.15
43) C	2,4,6-Trichlor...	0.300	0.277	0.268	0.281	0.298	0.310	0.301	0.292	4.15#
44) S	2,4,5-Trichlor...	0.313	0.273	0.279	0.288	0.298	0.314	0.309	0.299	4.55
45) S	2-Fluorobiphen...	1.545	1.502	1.488	1.531	1.559	1.513	1.372	1.415	6.57
46) S	Biphenyl	1.766	1.786	1.802	1.814	1.822	1.715	1.620	1.511	9.92
47) S	2-Chloronaphth...	1.034	1.122	0.986	1.094	1.083	0.983	0.994	0.969	9.77
48) S	Dimethylphthalate	1.136	1.125	1.081	1.106	1.135	1.110	1.067	1.019	5.83
49) S	Acenaphthylene	1.939	1.821	1.821	1.905	1.959	1.889	1.802	1.697	7.25
50) S	2,6-Dinitrotol...	0.273	0.215	0.223	0.246	0.262	0.279	0.276	0.271	8.48
51) S	2-Nitroaniline	0.381	0.349	0.331	0.341	0.359	0.384	0.377	0.366	4.63
52) S	Acenaphthene	1.537	1.559	1.508	1.538	1.551	1.509	1.450	1.383	6.16#
53) P	2,4-Dinitrophenol	0.080				0.043	0.104	0.125	0.142	34.49
54) S	Dibenzofuran	1.471	1.463	1.451	1.474	1.477	1.431	1.361	1.287	7.77
55) P	4-Nitrophenol	0.190	0.133	0.142	0.169	0.197	0.200	0.199	0.200	14.71
56) S	3-Nitroaniline	0.327	0.248	0.256	0.282	0.310	0.332	0.328	0.321	0.306
57) S	2,4-Dinitrotol...	0.353	0.266	0.295	0.332	0.354	0.348	0.340	0.345	0.330
58) S	Fluorene	2.391	2.207	2.211	2.293	2.379	2.346	2.258	2.155	5.47
59) S	2,3,4,6-Tetrac...	0.279	0.209	0.229	0.255	0.283	0.287	0.283	0.286	10.27
60) S	Diethylphthalate	1.139	1.024	1.031	1.074	1.121	1.134	1.107	1.073	3.85
61) S	4-Chloro-pheny...	0.607	0.569	0.596	0.597	0.608	0.598	0.573	0.550	5.15
-----ISTD-----										
62) S	Phenanthrene-d10	0.183	0.139	0.155	0.174	0.185	0.183	0.178	0.182	0.174
63) S	4-Nitroaniline	0.093	0.046	0.068	0.107	0.115	0.120	0.117	0.123	8.50
64) S	4,6-Dinitro-2-...	0.991	0.880	0.911	0.946	0.985	0.971	0.932	0.893	27.24
65) C	n-Nitrosodiphe...	0.686	0.588	0.633	0.670	0.681	0.669	0.639	0.614	0.921
66) S	Azobenzene	0.092	0.072	0.073	0.081	0.086	0.093	0.092	0.090	6.33
67) S	2,4,6-Tribromo...	0.199	0.194	0.187	0.192	0.195	0.195	0.185	0.178	8.68
68) S	4-Bromophenyl-...	0.220	0.231	0.215	0.220	0.221	0.214	0.206	0.198	4.99
69) S	Hexachlorobenzene	0.129	0.144	0.148	0.158	0.162	0.126	0.119	0.112	6.23
70) S	Atrazine	0.074	0.058	0.064	0.069	0.074	0.074	0.073	0.073	13.34
71) S	Pentachloronit...	0.124	0.065	0.077	0.099	0.136	0.142	0.148	0.144	7.35
72) C	Pentachlorophenol	1.142	1.127	1.125	1.125	1.135	1.111	1.059	1.001	25.90#
73) S	Phenanthrene	1.145	0.986	1.025	1.071	1.127	1.106	1.055	1.004	7.32
74) S	Anthracene	1.208	1.042	1.087	1.138	1.181	1.172	1.135	1.092	1.038
75) S	Carbazole	1.144	0.952	0.945	1.005	1.092	1.124	1.084	1.020	1.113
76) S	Di-n-butylphth...	1.306	1.095	1.124	1.195	1.262	1.264	1.223	1.174	1.013
77) C	Fluoranthene	0.373	0.355	0.417	0.445	0.461	0.461	0.436	0.436	1.185
78) S	Benzidine									6.40#
79) S	Chrysene-d12									15.01
80) S	Pyrene	1.311	1.143	1.162	1.227	1.293	1.276	1.264	1.247	1.225
81) S	Terphenyl-d14 ...	0.892	0.802	0.753	0.834	0.854	0.895	0.903	0.861	4.75
82) S	Butylbenzylph...	0.488	0.391	0.384	0.419	0.461	0.491	0.502	0.493	5.34
83) S	3,3'-Dichlorob...	0.411	0.342	0.317	0.362	0.392	0.404	0.411	0.398	0.466
84) S	Benzo(a)anthra...	1.140	1.179	1.081	1.111	1.126	1.119	1.105	1.070	0.383
85) S	Chrysene	1.095	1.020	1.036	1.087	1.189	1.077	1.072	1.044	1.100
86) S	bis(2-Ethylhex...	0.642	0.594	0.523	0.544	0.596	0.654	0.673	0.666	4.44
87) S	Perylene-d12									0.627
88) C	Di-n-octylphth...	1.044	0.688	0.767	0.840	0.945	1.047	1.074	1.028	0.926
89) S	Benzo(b)fluora...	1.249	1.051	1.109	1.155	1.175	1.132	1.136	1.068	1.109
90) S	Benzo(k)fluora...	1.104	0.930	0.979	1.071	1.146	1.133	1.109	1.025	6.34
91) C	Benzo(a)pyrene	1.141	1.048	1.014	1.078	1.132	1.102	1.105	1.078	9.16
										4.69#

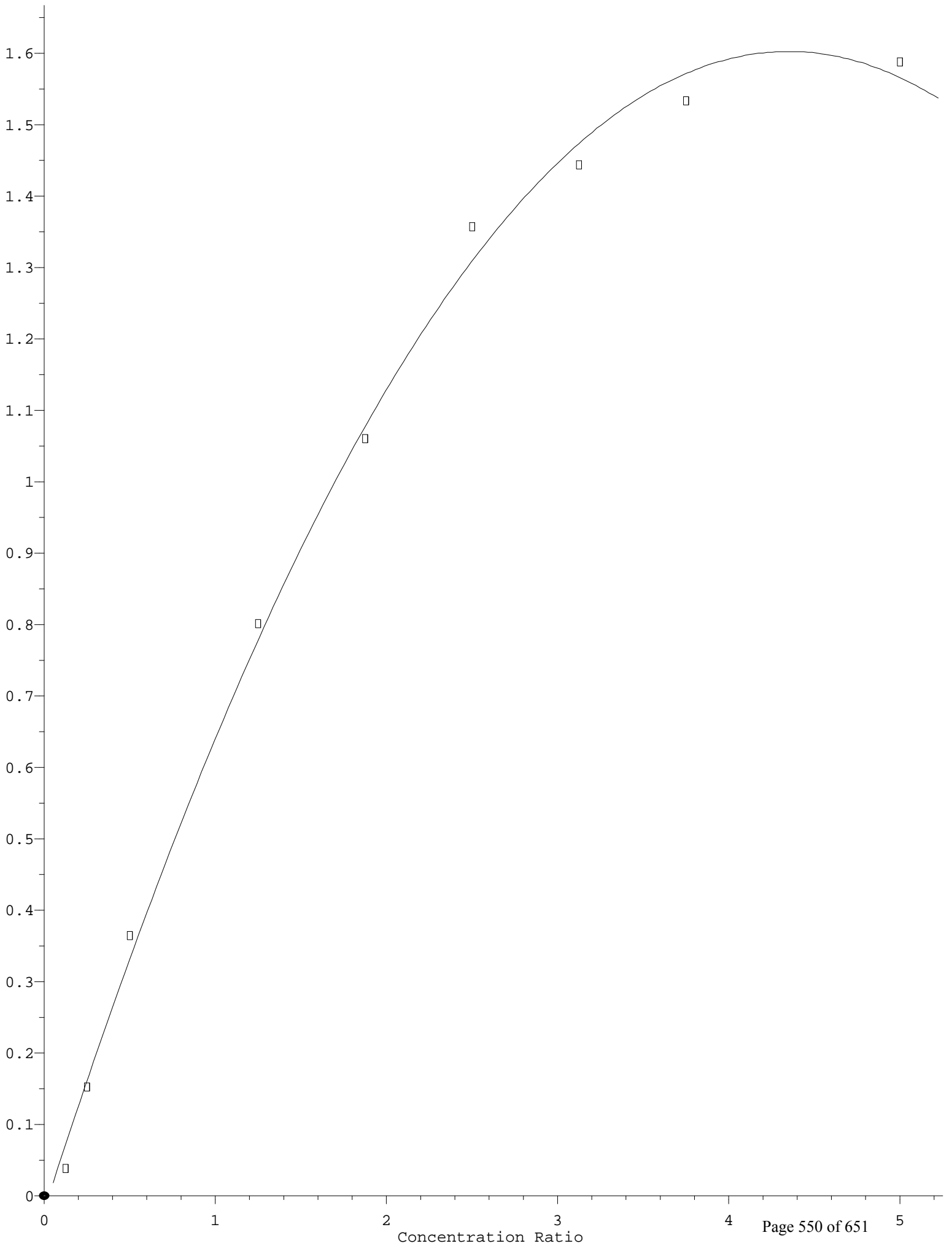
Method Path : Q:\SVOA\MS5\METHODS\
Method File : SV5AT.M
Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)

92)	Indeno(1,2,3-c...	1.534	1.395	1.487	1.508	1.471	1.474	1.483	1.459	1.461	1.418	1.403	1.463	2.94
93)	Dibenzo(a,h)an...	1.502	1.297	1.166	1.231	1.373	1.446	1.450	1.420	1.425	1.350	1.333	1.363	7.44
94)	Benzo(g,h,i)pe...	1.312	1.124	1.149	1.184	1.247	1.268	1.283	1.292	1.277	1.286	1.299	1.247	5.18

(#) = Out of Range

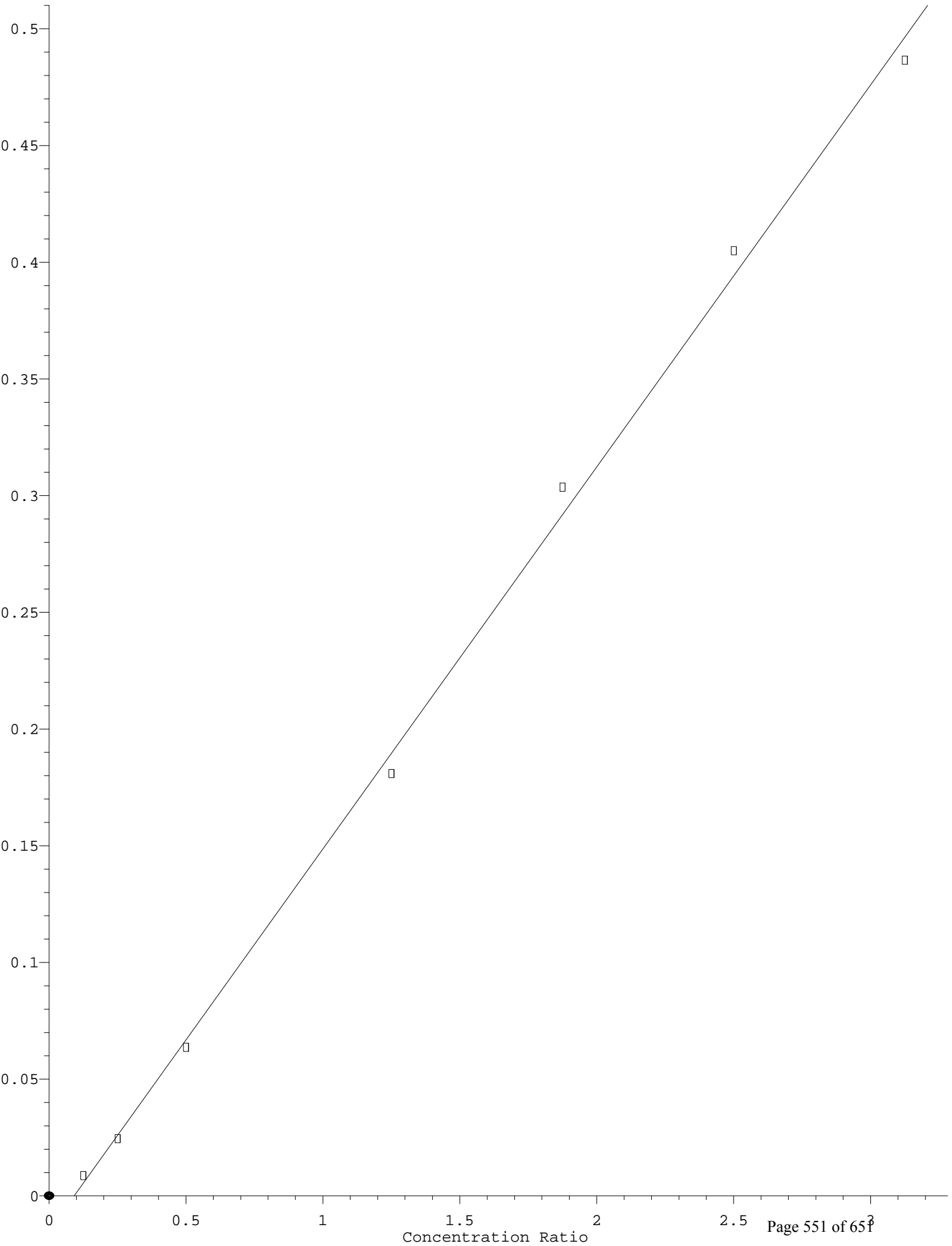
Benzaldehyde

Response Ratio

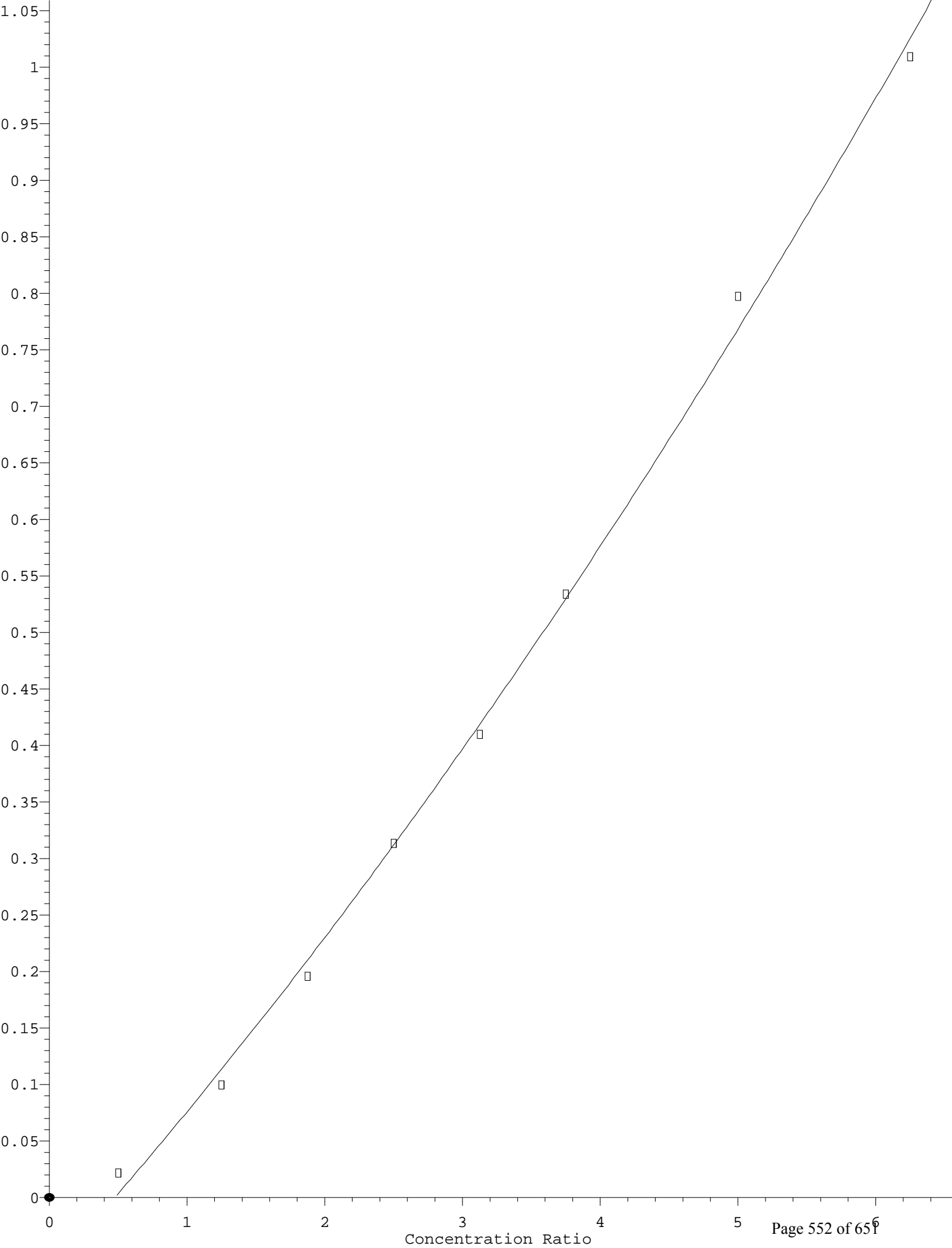


Hexachlorocyclopentadiene

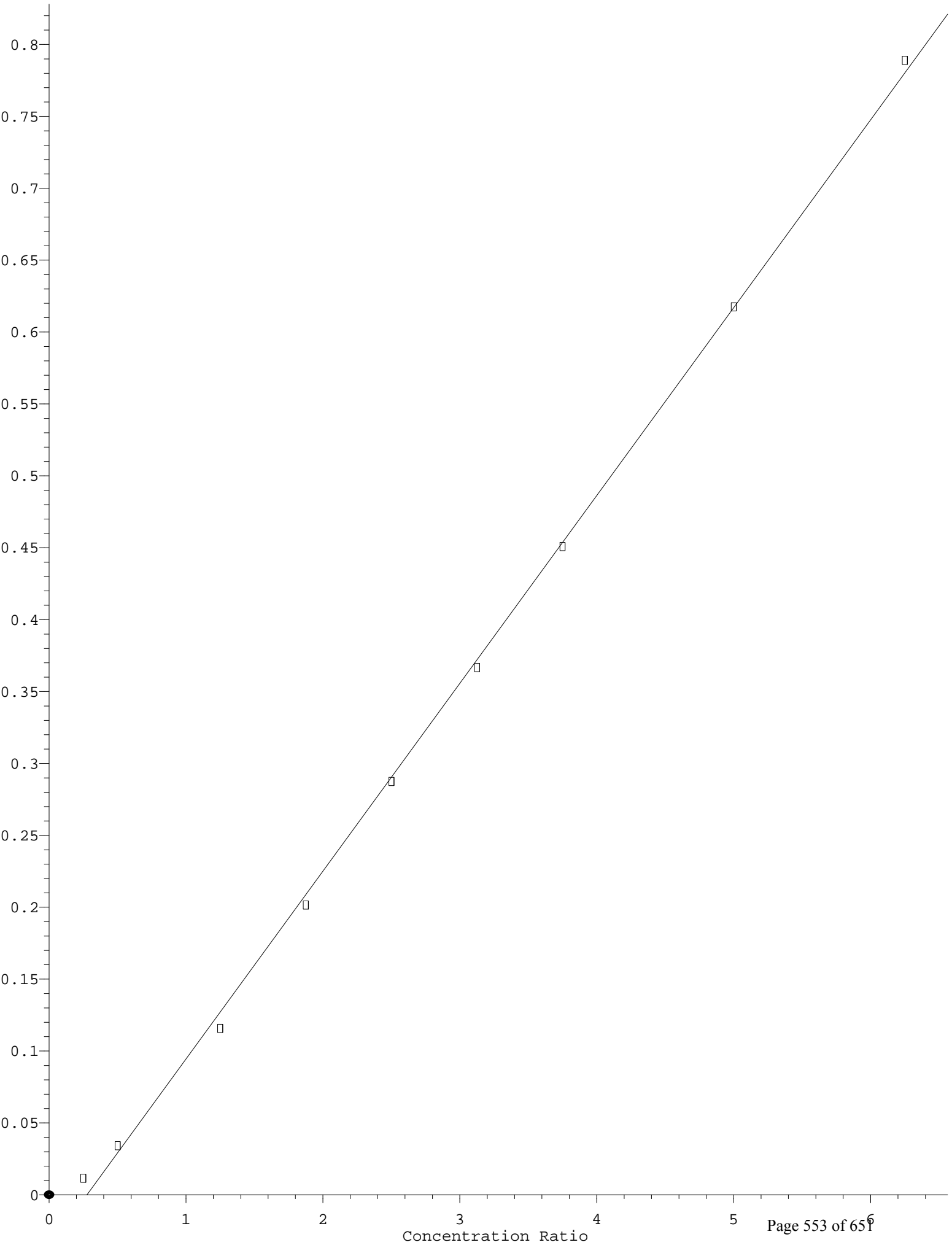
Response Ratio



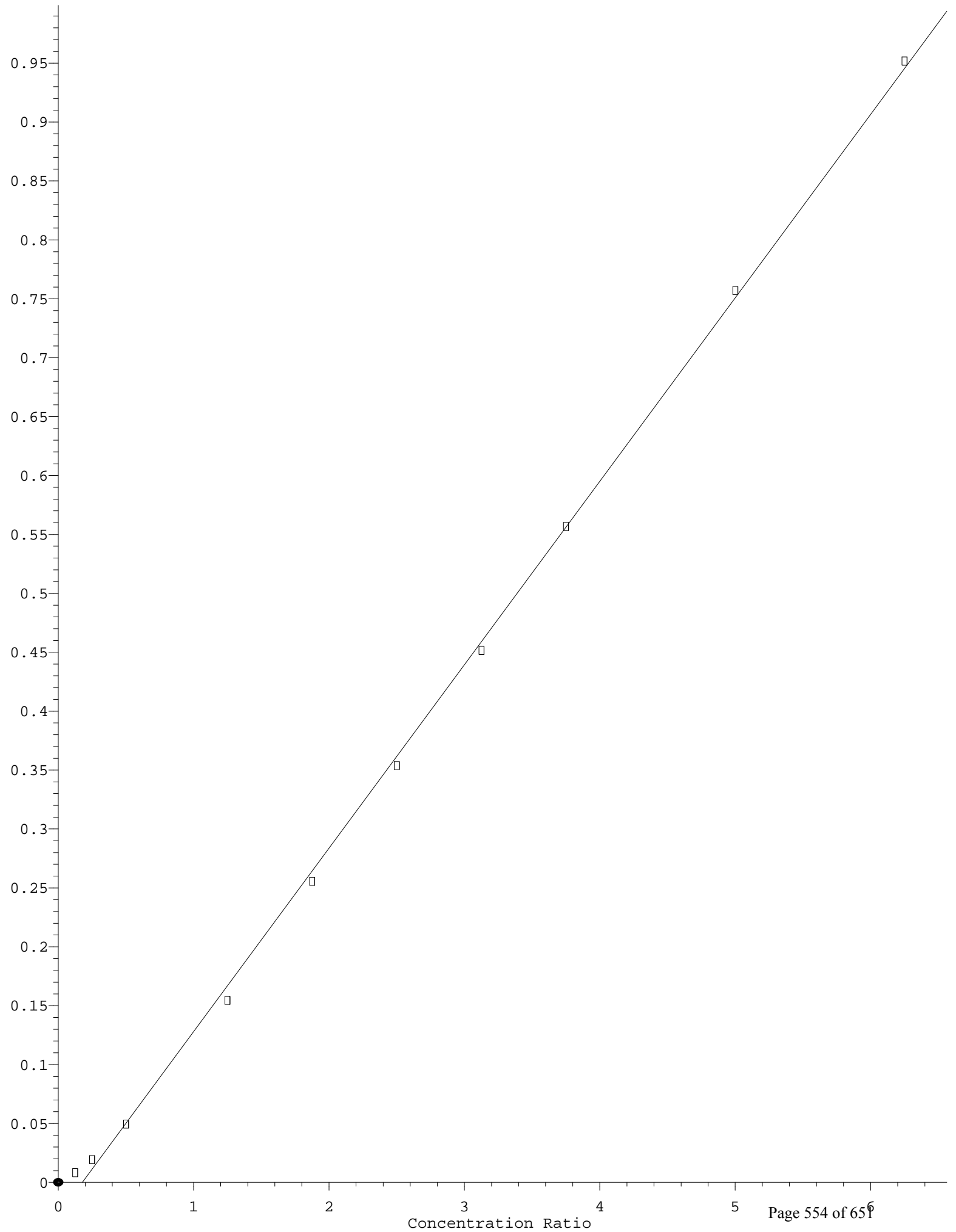
Response Ratio



Response Ratio



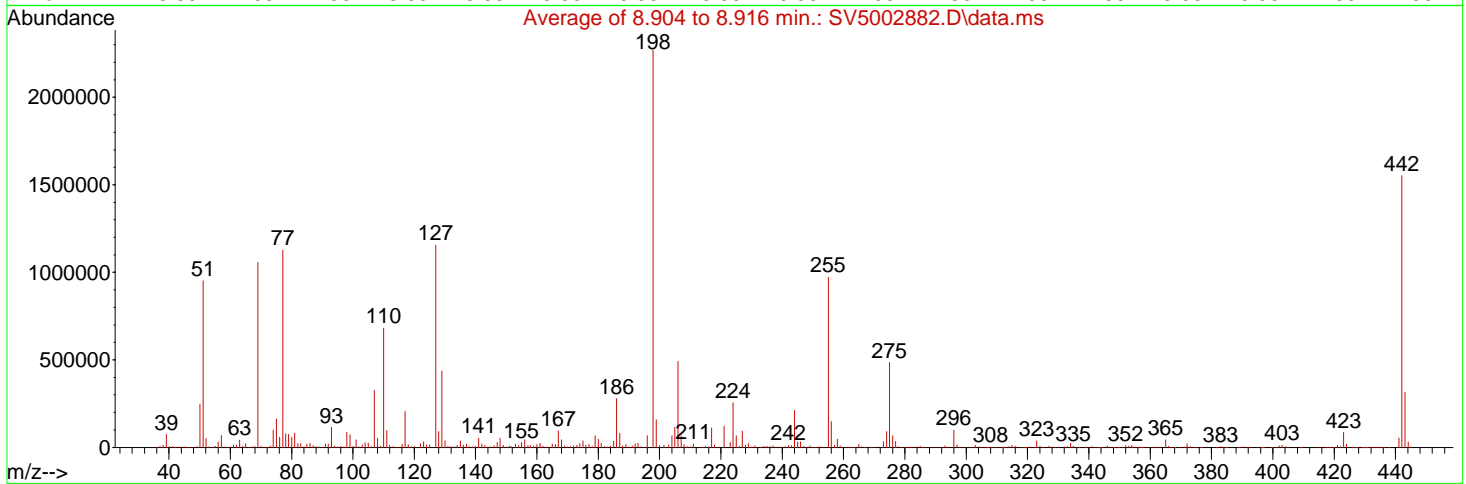
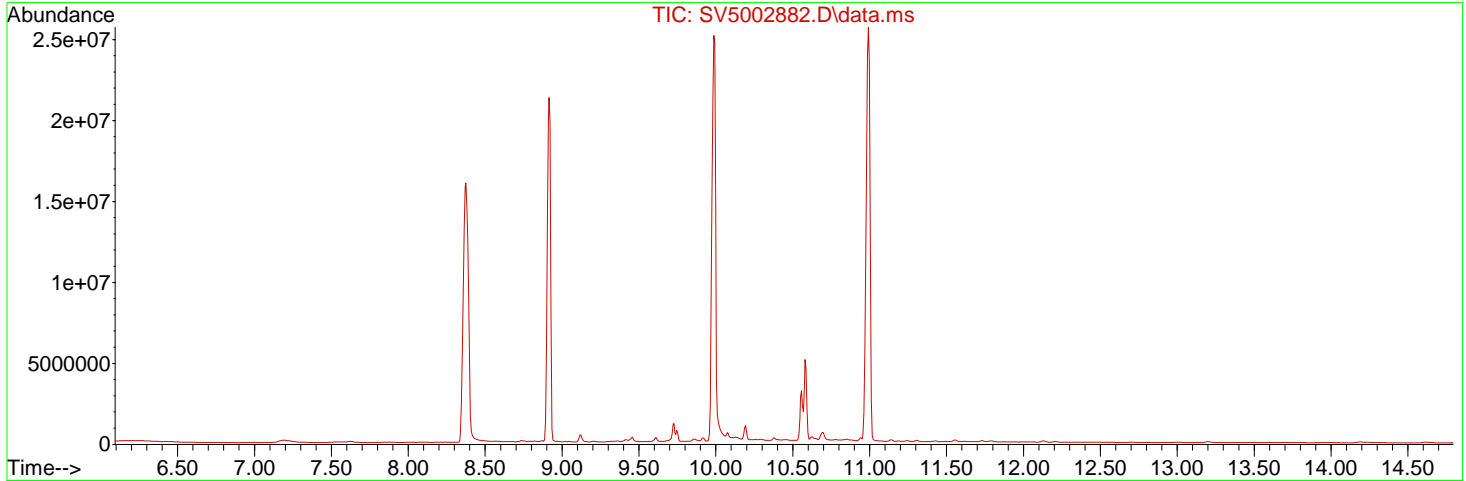
Response Ratio



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002882.D
 Acq On : 9 Oct 2012 9:49 am
 Operator : IBM
 Sample : CVJ0074-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Integration File: RTEINT.P

Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 Last Update : Tue Oct 09 17:24:13 2012

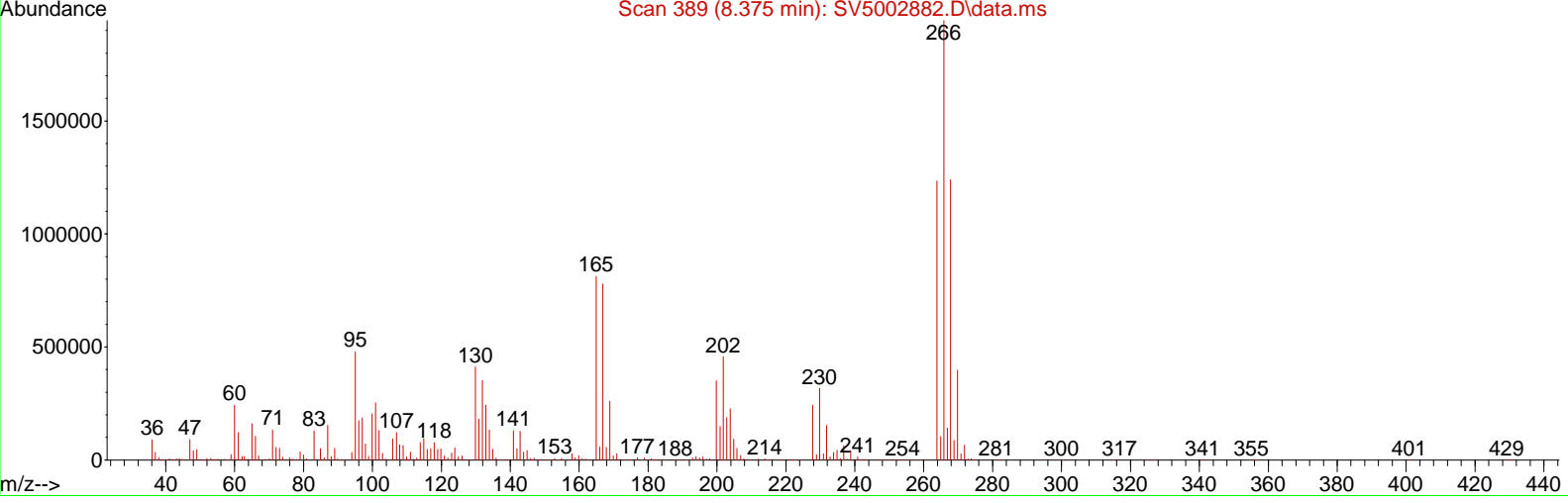
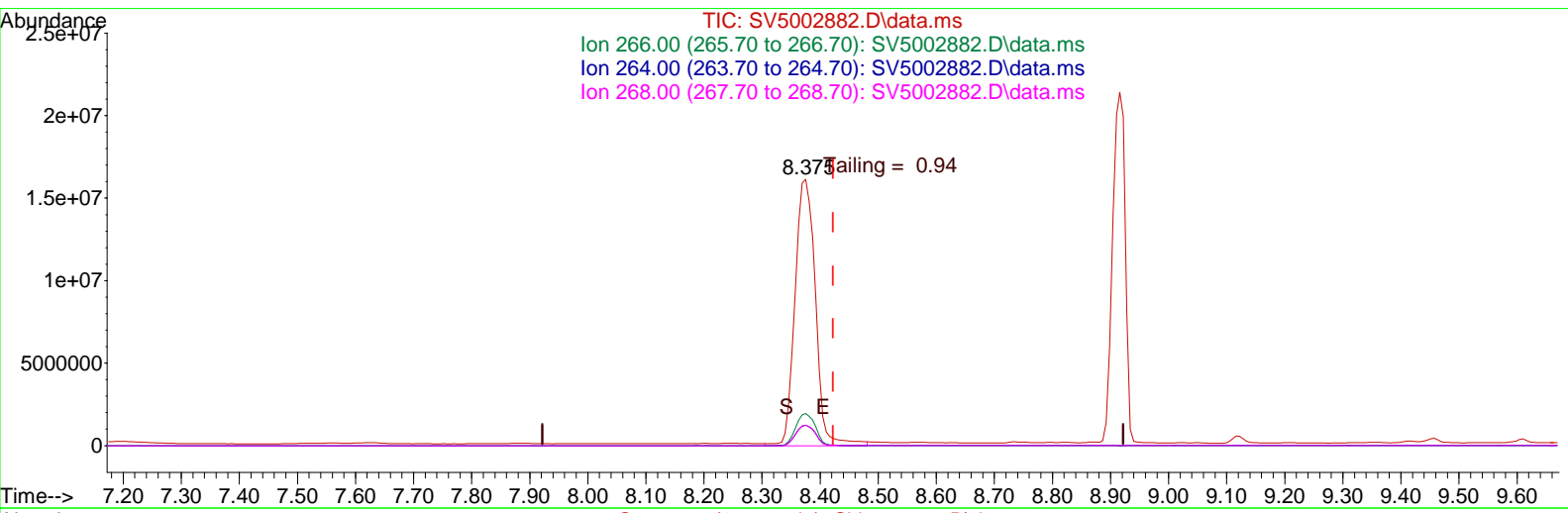


Spectrum Information: Average of 8.904 to 8.916 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.9	951381	PASS
68	69	0.00	2	0.5	5157	PASS
69	198	0.00	100	46.5	1054976	PASS
70	69	0.00	2	0.6	6468	PASS
127	198	40	60	50.9	1155072	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	2270208	PASS
199	198	5	9	7.0	158453	PASS
275	198	10	30	21.4	485653	PASS
365	198	1	100	1.9	43659	PASS
441	443	0.01	100	17.2	54059	PASS
442	198	40	100	68.4	1553472	PASS
443	442	17	23	20.3	315136	PASS

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002882.D
 Acq On : 9 Oct 2012 9:49 am
 Operator : IBM
 Sample : CVJ0074-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:24:03 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



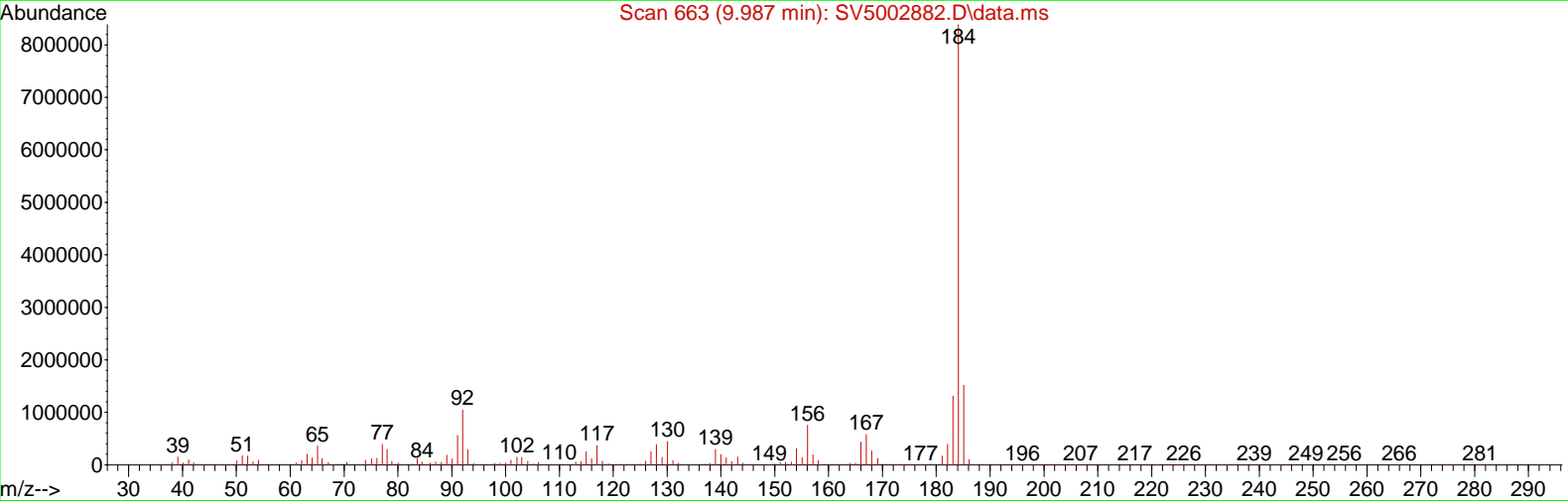
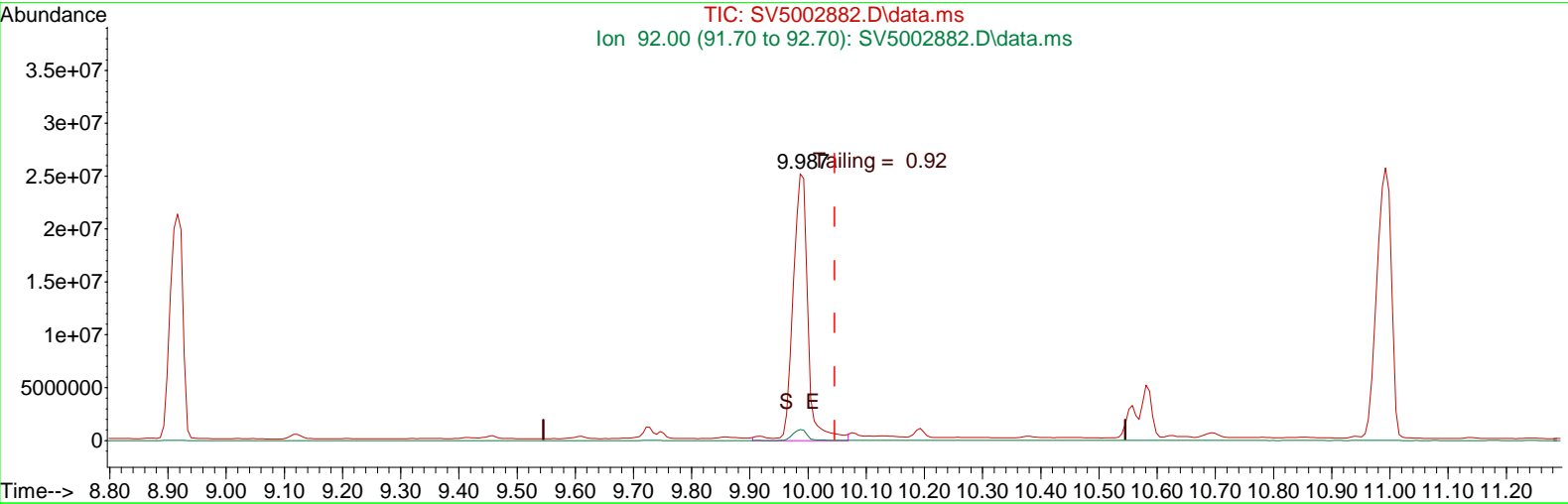
TIC: SV5002882.D\data.ms

(2) Pentachlorophenol (I)
 8.375min (-0.047) 77.74 PPM
 response 38638959

Signal	Exp%	Act%
TIC	100	100
266.00	0.00	12.02#
264.00	0.00	7.65#
268.00	0.00	7.68#

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002882.D
 Acq On : 9 Oct 2012 9:49 am
 Operator : IBM
 Sample : CVJ0074-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:24:03 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



TIC: SV5002882.D\data.ms

(3) Benzidine (I)

9.987min (-0.059) 49.16 PPM

response 42492534

Signal	Exp%	Act%
TIC	100	100
92.00	0.00	4.23#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002882.D
 Acq On : 9 Oct 2012 9:49 am
 Operator : IBM
 Sample : CVJ0074-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:24:28 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration

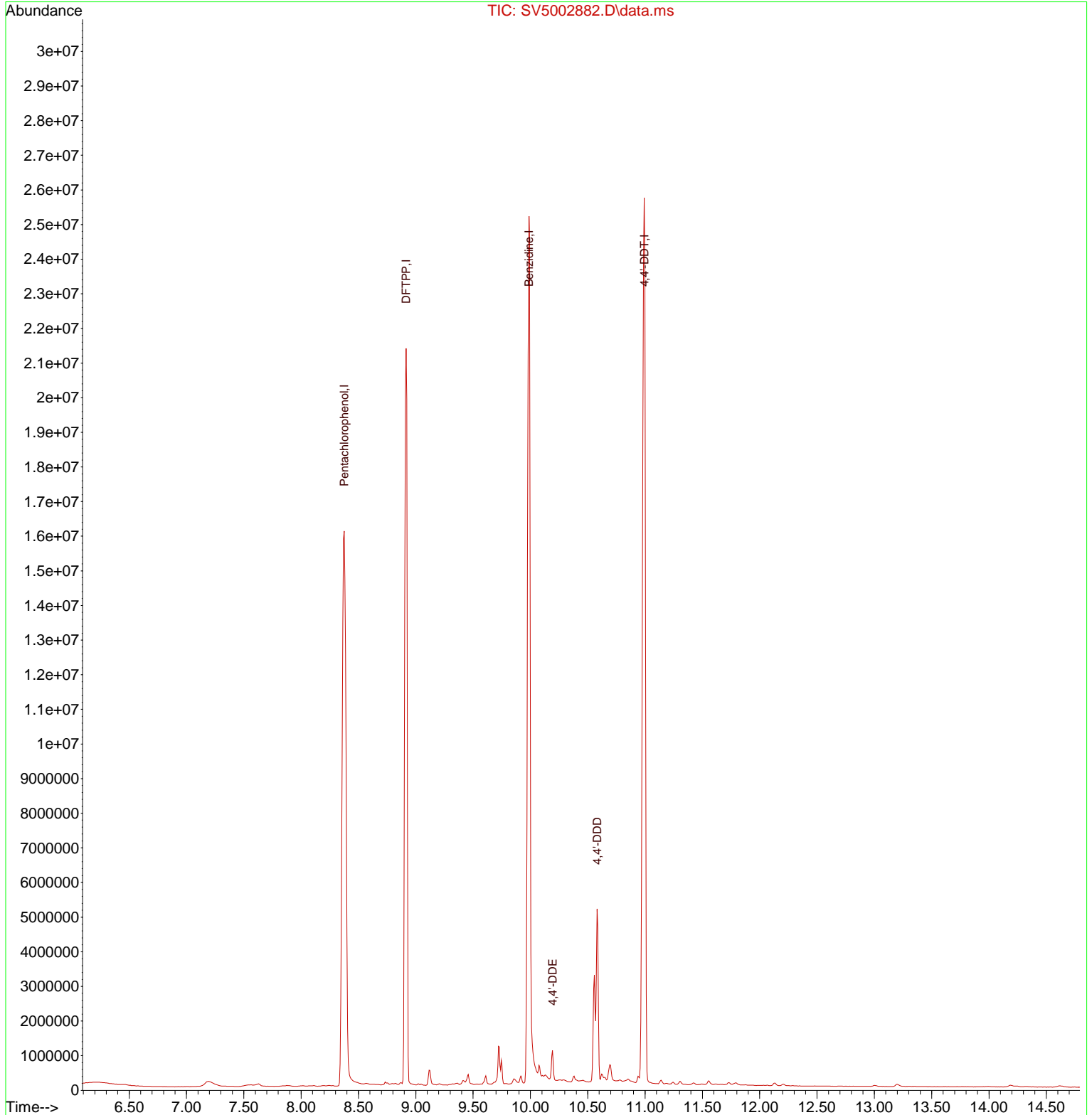
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Target Compounds							Qvalue
1) DFTPP	8.916	TIC	32332043	57.46	PPM	#	100
2) Pentachlorophenol	8.375	TIC	38638959	77.74	PPM	#	100
3) Benzidine	9.987	TIC	42492534	49.16	PPM	#	100
4) 4,4'-DDT	10.992	TIC	45168877	66.66	PPM	#	100
5) 4,4'-DDE	10.193	TIC	841991m	18.16	PPM		
6) 4,4'-DDD	10.581	TIC	5288055	13.91	PPM	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002882.D
 Acq On : 9 Oct 2012 9:49 am
 Operator : IBM
 Sample : CVJ0074-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:24:28 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



Data File Name SV5002882.D
Date Acquired 10/9/2012 9:49
Sample Name CVJ0074-TUN1
Instrument Name GCMS5

DDT BREAKDOWN CHECK

TARGET	RESPONSE
4,4'-DDT	45168877
4,4'-DDE	841991
4,4'-DDD	5288055

TOTAL RESPONSE	51298923
BREAKDOWN RESPONSE	6130046

BREAKDOWN % 11.95

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002884.D
 Acq On : 9 Oct 2012 10:40 am
 Operator : IBM
 Sample : CVJ0074-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:08:21 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:04:59 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.381	152	638911	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	2969690	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.586	164	1966896	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	3383324	40.00	ng/uL	0.00	
79) Chrysene-d12	20.021	240	3476081	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3736827	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	17103	0.99	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	0.66%		
7) Phenol-d5 (SURR)	5.492	99	24857	1.04	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	0.69%		
11) 2-Chlorophenol-d4(SURR)	5.745	132	19786	0.99	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	0.66%		
14) 1,2 Dichlorobenzene-d4...	6.722	152	27001	1.68	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	1.68%		
24) Nitrobenzene-d5 (SURR)	7.457	82	24650	1.03	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	1.03%		
45) 2-Fluorobiphenyl (SURR)	10.416	172	73880	0.99	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	0.99%		
67) 2,4,6-Tribromophenol (...)	13.098	330	6112	0.78	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	0.52%		
81) Terphenyl-d14 (SURR)	17.868	244	69677	0.89	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	0.89%		
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.057	42	6403m	1.28	ng/uL		
3) Pyridine	1.104	79	14605m	1.18	ng/uL		
6) bis(2-Chloroethyl)ether	5.722	63	14200	1.04	ng/uL		88
8) 2-Chlorophenol	5.786	128	20600	1.03	ng/uL		75
9) Phenol	5.539	94	25515	0.99	ng/uL		96
10) Aniline	5.445	93	25111	0.84	ng/uL		93
12) 1,3-Dichlorobenzene	6.233	146	23436	1.06	ng/uL		91
13) 1,4-Dichlorobenzene	6.428	146	24644	1.08	ng/uL		93
15) 1,2-Dichlorobenzene	6.751	146	23154	1.05	ng/uL		96
16) Benzyl Alcohol	6.757	79	18935	1.00	ng/uL		88
17) bis(2-chloroisopropyl)...	7.057	121	8926	1.12	ng/uL		96
18) 2-Methylphenol	7.045	108	38922	1.04	ng/uL#		50
19) Acetophenone	7.228	105	29431	0.98	ng/uL		91
20) n-Nitroso-di-n-propyla...	7.275	70	16024	0.98	ng/uL		95
21) Hexachloroethane	7.357	117	9866	1.06	ng/uL		96
22) 3+4-Methylphenol	7.328	108	46615	1.01	ng/uL		96
25) Nitrobenzene	7.486	77	24485	0.94	ng/uL		92
26) Isophorone	7.892	82	46478	1.00	ng/uL		95
27) 2-Nitrophenol	8.004	139	10834	0.80	ng/uL		91
29) 2,4-Dimethylphenol	8.163	107	22930	0.92	ng/uL#		65
30) bis(2-Chloroethoxy)met...	8.292	93	30417	1.01	ng/uL		90
31) 2,4-Dichlorophenol	8.410	162	20656	1.01	ng/uL		95
32) 1,2,4-Trichlorobenzene	8.522	180	23217	1.05	ng/uL		94
33) Naphthalene	8.627	128	87753	1.05	ng/uL		100
34) 4-Chloroaniline	8.757	127	30558	0.88	ng/uL		96
35) Hexachlorobutadiene	8.880	225	12466	1.05	ng/uL		95
36) Caprolactam	9.257	113	8859	0.96	ug/mL#		61
37) 4-Chloro-3-methylphenol	9.598	107	21954	0.93	ng/uL		98
38) 2-Methylnaphthalene	9.769	142	96677	1.00	ng/uL		97
39) 1-Methylnaphthalene	9.927	142	90332m	0.99	ng/uL		

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002884.D
 Acq On : 9 Oct 2012 10:40 am
 Operator : IBM
 Sample : CVJ0074-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

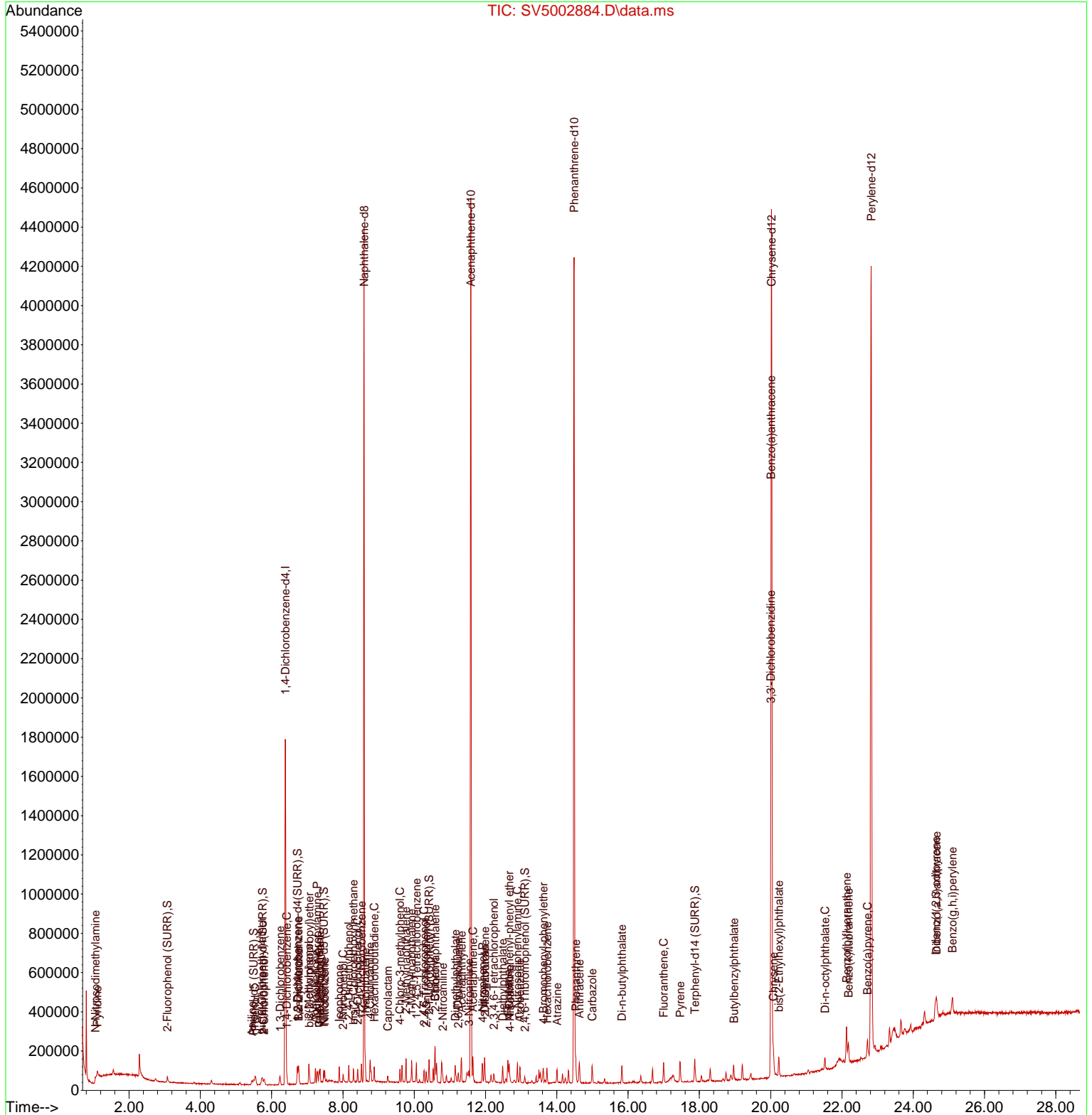
Quant Time: Oct 09 11:08:21 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:04:59 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2,4,5-Tetrachloroben...	10.057	216	23497	1.01	ng/uL	91
43) 2,4,6-Trichlorophenol	10.274	196	13617	0.90	ng/uL	94
44) 2,4,5-Trichlorophenol	10.333	196	13400	0.87	ng/uL	97
46) Biphenyl	10.580	154	87831	1.02	ng/uL	92
47) 2-Chloronaphthalene	10.592	162	55158	1.11	ng/uL	92
48) Dimethylphthalate	11.151	163	55328	1.00	ng/uL	99
49) Acenaphthylene	11.321	152	89526	0.95	ng/uL	99
50) 2,6-Dinitrotoluene	11.233	165	10562	0.79	ng/uL#	64
51) 2-Nitroaniline	10.798	65	17173	0.90	ng/uL	86
52) Acenaphthene	11.645	153	76684	1.03	ng/uL	96
54) Dibenzofuran	11.974	168	71935	1.02	ng/uL	98
55) 4-Nitrophenol	11.915	65	6596	0.66	ng/uL	98
56) 3-Nitroaniline	11.533	138	12216	0.76	ng/uL	92
57) 2,4-Dinitrotoluene	11.980	165	11798	0.69	ng/uL	80
58) Fluorene	12.627	166	108519	0.94	ng/uL	98
59) 2,3,4,6-Tetrachlorophenol	12.233	232	9609	0.70	ng/uL	92
60) Diethylphthalate	12.480	149	50377	0.90	ng/uL	96
61) 4-Chloro-phenyl-phenyl...	12.662	204	27991	0.97	ng/uL	97
63) 4-Nitroaniline	12.686	138	10969m	0.71	ng/uL	
65) n-Nitrosodiphenylamine	12.892	169	74434	0.90	ng/uL#	75
66) Azobenzene	12.962	77	49721	0.86	ng/uL	90
68) 4-Bromophenyl-phenylether	13.621	248	16416	1.00	ng/uL	89
69) Hexachlorobenzene	13.727	284	19568	1.08	ng/uL	98
70) Atrazine	14.004	200	12179	1.00	ug/mL#	83
73) Phenanthrene	14.527	178	95322	1.01	ng/uL	98
74) Anthracene	14.633	178	83369	0.89	ng/uL	88
75) Carbazole	14.992	167	88148	0.88	ng/uL	98
76) Di-n-butylphthalate	15.827	149	80513	0.83	ng/uL	99
77) Fluoranthene	16.997	202	92651	0.86	ng/uL	98
80) Pyrene	17.462	202	99339	0.89	ng/uL	98
82) Butylbenzylphthalate	18.968	149	34020	0.80	ng/uL	82
83) 3,3'-Dichlorobenzidine	20.003	252	29693	0.82	ng/uL	93
84) Benzo(a)anthracene	20.009	228	102458m	1.04	ng/uL	
85) Chrysene	20.074	228	88656	0.94	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.227	149	51629	0.90	ng/uL	97
88) Di-n-octylphthalate	21.521	149	64295	0.63	ng/uL	99
89) Benzo(b)fluoranthene	22.132	252	98224	0.89	ng/uL	97
90) Benzo(k)fluoranthene	22.180	252	86896	0.84	ng/uL	84
91) Benzo(a)pyrene	22.715	252	97907	0.95	ng/uL	81
92) Indeno(1,2,3-cd)pyrene	24.632	276	130350	0.93	ng/uL	78
93) Dibenzo(a,h)anthracene	24.650	278	121182	0.88	ng/uL	97
94) Benzo(g,h,i)perylene	25.097	276	104989	0.88	ng/uL#	35

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002884.D
 Acq On : 9 Oct 2012 10:40 am
 Operator : IBM
 Sample : CVJ0074-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:08:21 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:04:59 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002885.D
 Acq On : 9 Oct 2012 11:13 am
 Operator : IBM
 Sample : CVJ0074-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:41:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:12:10 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	676625	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	3122608	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.586	164	2070021	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.480	188	3558394	40.00	ng/uL	0.00	
79) Chrysene-d12	20.021	240	3675495	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3807228	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	86242	4.75	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.17%		
7) Phenol-d5 (SURR)	5.498	99	118794	4.61	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.07%		
11) 2-Chlorophenol-d4 (SURR)	5.745	132	101114	4.80	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.20%		
14) 1,2 Dichlorobenzene-d4...	6.722	152	97581	4.28	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.28%		
24) Nitrobenzene-d5 (SURR)	7.457	82	118009	4.62	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.62%		
45) 2-Fluorobiphenyl (SURR)	10.416	172	385085	4.92	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.92%		
67) 2,4,6-Tribromophenol (...)	13.098	330	32643	4.44	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	2.96%		
81) Terphenyl-d14 (SURR)	17.868	244	345952	4.43	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.43%		
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.052	42	30415	5.04	ng/uL		92
3) Pyridine	1.099	79	65184	4.57	ng/uL		77
5) Benzaldehyde	5.110	105	25902	3.01	ug/mL		99
6) bis(2-Chloroethyl)ether	5.722	63	70927	4.81	ng/uL		98
8) 2-Chlorophenol	5.792	128	106145	4.94	ng/uL		84
9) Phenol	5.534	94	128021	4.72	ng/uL		78
10) Aniline	5.451	93	132321	4.55	ng/uL		95
12) 1,3-Dichlorobenzene	6.234	146	118484	4.91	ng/uL		98
13) 1,4-Dichlorobenzene	6.428	146	120298	4.78	ng/uL		90
15) 1,2-Dichlorobenzene	6.751	146	121614	5.09	ng/uL		96
16) Benzyl Alcohol	6.757	79	89458	4.46	ng/uL		93
17) bis(2-chloroisopropyl)...	7.051	121	43531	4.86	ng/uL		87
18) 2-Methylphenol	7.045	108	192582	4.75	ng/uL		100
19) Acetophenone	7.228	105	155404	4.93	ng/uL		98
20) n-Nitroso-di-n-propyla...	7.275	70	83817	4.90	ng/uL		98
21) Hexachloroethane	7.357	117	49224	4.85	ng/uL		95
22) 3+4-Methylphenol	7.328	108	237769	4.84	ng/uL		100
25) Nitrobenzene	7.486	77	128621	4.84	ng/uL		99
26) Isophorone	7.892	82	233146	4.78	ng/uL		99
27) 2-Nitrophenol	8.004	139	60313	4.72	ng/uL		97
28) Benzoic Acid	8.286	105	26503m	1.79	ng/uL		
29) 2,4-Dimethylphenol	8.163	107	121060	4.83	ng/uL		93
30) bis(2-Chloroethoxy)met...	8.292	93	155614	4.89	ng/uL		98
31) 2,4-Dichlorophenol	8.410	162	98054	4.55	ng/uL		94
32) 1,2,4-Trichlorobenzene	8.522	180	118717	4.98	ng/uL		97
33) Naphthalene	8.628	128	457053	5.07	ng/uL		90
34) 4-Chloroaniline	8.763	127	150180	4.38	ng/uL		94
35) Hexachlorobutadiene	8.880	225	62644	4.89	ng/uL		94
36) Caprolactam	9.251	113	39126	4.12	ug/mL#		71
37) 4-Chloro-3-methylphenol	9.598	107	111635	4.67	ng/uL		93

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002885.D
 Acq On : 9 Oct 2012 11:13 am
 Operator : IBM
 Sample : CVJ0074-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

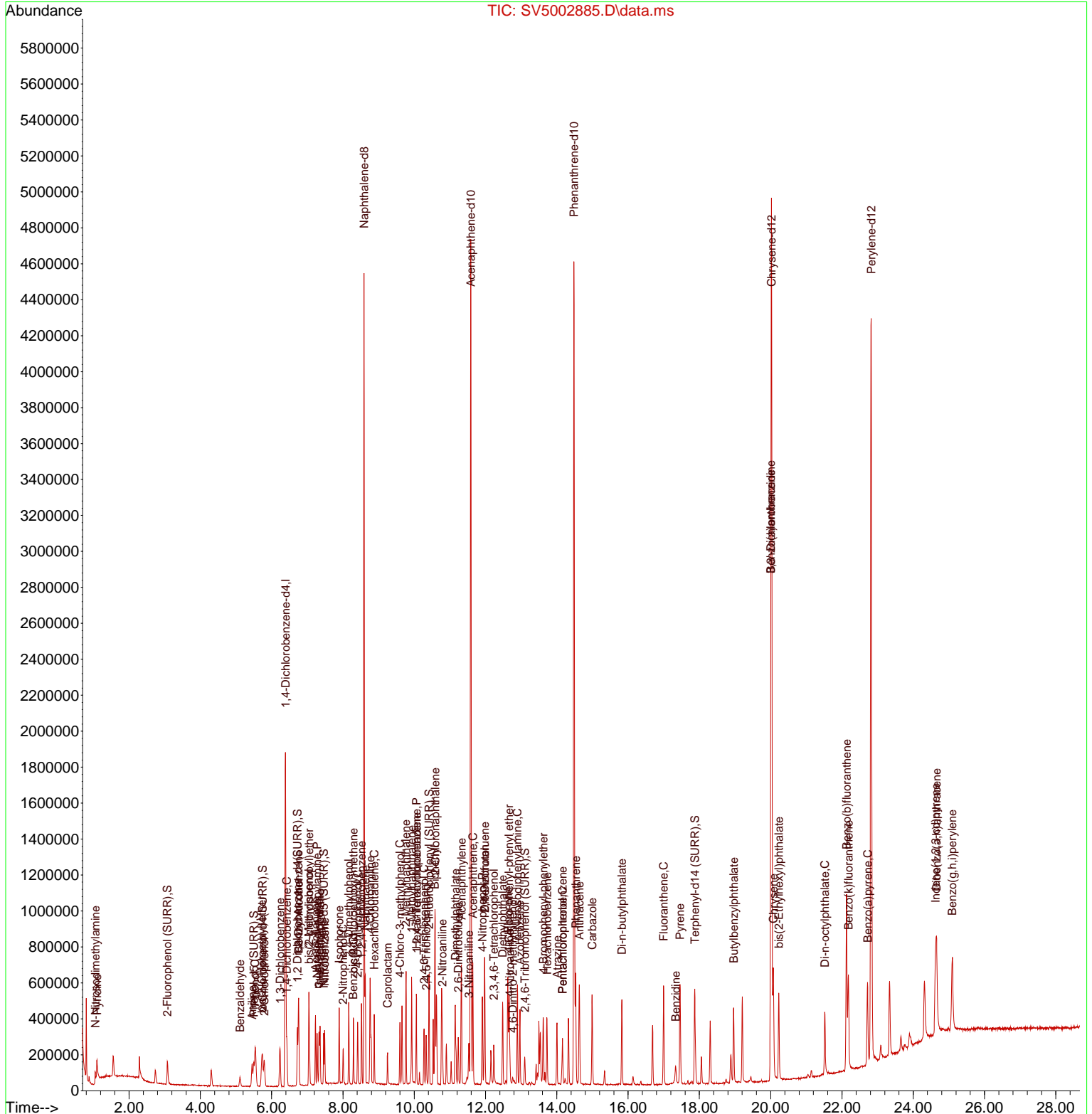
Quant Time: Oct 09 11:41:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:12:10 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.769	142	506172	4.97	ng/uL#	28
39) 1-Methylnaphthalene	9.927	142	473552	4.97	ng/uL#	22
40) 1,2,4,5-Tetrachloroben...	10.063	216	120011	4.89	ng/uL	98
42) Hexachlorocyclopentadiene	10.057	237	17944	2.26	ng/uL	100
43) 2,4,6-Trichlorophenol	10.274	196	69455	4.58	ng/uL	97
44) 2,4,5-Trichlorophenol	10.333	196	72106	4.77	ng/uL	98
46) Biphenyl	10.574	154	466180	5.08	ng/uL	92
47) 2-Chloronaphthalene	10.586	162	255237	4.63	ng/uL	96
48) Dimethylphthalate	11.151	163	279814	4.81	ng/uL	100
49) Acenaphthylene	11.321	152	471265	4.88	ng/uL	100
50) 2,6-Dinitrotoluene	11.233	165	57687	4.57	ng/uL	91
51) 2-Nitroaniline	10.786	65	85715	4.48	ng/uL	95
52) Acenaphthene	11.645	153	390317	4.91	ng/uL	100
54) Dibenzofuran	11.974	168	375549	5.00	ng/uL	98
55) 4-Nitrophenol	11.910	65	34392	3.93	ng/uL#	66
56) 3-Nitroaniline	11.533	138	66174	4.45	ng/uL	97
57) 2,4-Dinitrotoluene	11.974	165	68785	4.52	ng/uL	87
58) Fluorene	12.627	166	572047	4.86	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.233	232	54091	4.41	ng/uL	95
60) Diethylphthalate	12.480	149	266855	4.77	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.657	204	154313	5.16	ng/uL	95
63) 4-Nitroaniline	12.680	138	62031	4.46	ng/uL	96
64) 4,6-Dinitro-2-methylph...	12.763	198	13270m	1.50	ng/uL	
65) n-Nitrosodiphenylamine	12.892	169	405018	4.91	ng/uL#	19
66) Azobenzene	12.963	77	281444	4.96	ng/uL	97
68) 4-Bromophenyl-phenylether	13.621	248	83296	4.83	ng/uL	89
69) Hexachlorobenzene	13.727	284	95667	4.82	ng/uL	94
70) Atrazine	14.004	200	65629	5.13	ug/mL	97
71) Pentachloronitrobenzene	14.162	237	25997	4.05	ng/uL	95
72) Pentachlorophenol	14.162	266	29113	2.42	ng/uL#	53
73) Phenanthrene	14.527	178	500266	5.02	ng/uL	99
74) Anthracene	14.633	178	455983	4.89	ng/uL	100
75) Carbazole	14.992	167	483328	4.88	ng/uL	100
76) Di-n-butylphthalate	15.827	149	420354	4.51	ng/uL	100
77) Fluoranthene	16.998	202	499929	4.76	ng/uL	100
78) Benzidine	17.333	184	87426	3.55	ng/uL	99
80) Pyrene	17.456	202	533965	4.79	ng/uL	99
82) Butylbenzylphthalate	18.962	149	176418	4.36	ng/uL	99
83) 3,3'-Dichlorobenzidine	20.003	252	145618	4.18	ng/uL	97
84) Benzo(a)anthracene	20.003	228	496492m	4.68	ng/uL	
85) Chrysene	20.074	228	475891	4.93	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	240504	4.19	ng/uL	99
88) Di-n-octylphthalate	21.515	149	364815	4.31	ng/uL	100
89) Benzo(b)fluoranthene	22.127	252	527907	4.97	ng/uL	96
90) Benzo(k)fluoranthene	22.180	252	465784	4.80	ng/uL	97
91) Benzo(a)pyrene	22.721	252	482503	4.72	ng/uL	83
92) Indeno(1,2,3-cd)pyrene	24.627	276	707436	5.13	ng/uL	83
93) Dibenzo(a,h)anthracene	24.650	278	554699	4.21	ng/uL	92
94) Benzo(g,h,i)perylene	25.091	276	546880	4.80	ng/uL#	32

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002885.D
 Acq On : 9 Oct 2012 11:13 am
 Operator : IBM
 Sample : CVJ0074-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:41:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:12:10 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002886.D
 Acq On : 9 Oct 2012 11:46 am
 Operator : IBM
 Sample : CVJ0074-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 12:13:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:44:54 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	706538	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	3273384	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.586	164	2181386	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	3768661	40.00	ng/uL	0.00	
79) Chrysene-d12	20.021	240	3935121	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	4032841	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	181556	9.74	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.49%		
7) Phenol-d5 (SURR)	5.498	99	254904	9.73	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.49%		
11) 2-Chlorophenol-d4 (SURR)	5.745	132	215938	9.94	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.63%		
14) 1,2 Dichlorobenzene-d4...	6.722	152	192032	8.48	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	8.48%		
24) Nitrobenzene-d5 (SURR)	7.457	82	246957	9.46	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	9.46%		
45) 2-Fluorobiphenyl (SURR)	10.416	172	835023	10.18	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	10.18%		
67) 2,4,6-Tribromophenol (...)	13.098	330	75859	10.12	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.75%		
81) Terphenyl-d14 (SURR)	17.868	244	820214	10.19	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	10.19%		
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.046	42	62673	9.92	ng/uL		94
3) Pyridine	1.093	79	139617	9.65	ng/uL		99
5) Benzaldehyde	5.116	105	107622	14.97	ug/mL		100
6) bis(2-Chloroethyl)ether	5.722	63	152052	10.00	ng/uL		97
8) 2-Chlorophenol	5.792	128	220744	9.88	ng/uL		98
9) Phenol	5.533	94	282485	10.17	ng/uL		76
10) Aniline	5.451	93	309011	10.48	ng/uL		76
12) 1,3-Dichlorobenzene	6.233	146	251545	10.04	ng/uL		98
13) 1,4-Dichlorobenzene	6.428	146	257384	9.94	ng/uL		86
15) 1,2-Dichlorobenzene	6.751	146	250842	10.00	ng/uL		97
16) Benzyl Alcohol	6.757	79	193868	9.60	ng/uL		95
17) bis(2-chloroisopropyl)...	7.051	121	90992	9.82	ng/uL		90
18) 2-Methylphenol	7.045	108	410468	9.87	ng/uL		96
19) Acetophenone	7.228	105	332857	10.16	ng/uL		98
20) n-Nitroso-di-n-propyla...	7.275	70	181135	10.20	ng/uL		98
21) Hexachloroethane	7.357	117	105411	10.05	ng/uL		97
22) 3+4-Methylphenol	7.333	108	496908	9.79	ng/uL		100
25) Nitrobenzene	7.486	77	276904	10.05	ng/uL		97
26) Isophorone	7.892	82	499618	9.91	ng/uL		98
27) 2-Nitrophenol	8.010	139	130004	9.89	ng/uL		95
28) Benzoic Acid	8.298	105	63118m	4.73	ng/uL		
29) 2,4-Dimethylphenol	8.163	107	264177	10.16	ng/uL		97
30) bis(2-Chloroethoxy)met...	8.292	93	328894	9.93	ng/uL		99
31) 2,4-Dichlorophenol	8.410	162	215535	9.83	ng/uL		98
32) 1,2,4-Trichlorobenzene	8.522	180	247437	9.91	ng/uL		100
33) Naphthalene	8.627	128	955739	10.06	ng/uL		100
34) 4-Chloroaniline	8.757	127	354987	10.31	ng/uL		99
35) Hexachlorobutadiene	8.880	225	134362	10.07	ng/uL		99
36) Caprolactam	9.251	113	89804	9.58	ug/mL#		71
37) 4-Chloro-3-methylphenol	9.598	107	238603	9.74	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002886.D
 Acq On : 9 Oct 2012 11:46 am
 Operator : IBM
 Sample : CVJ0074-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

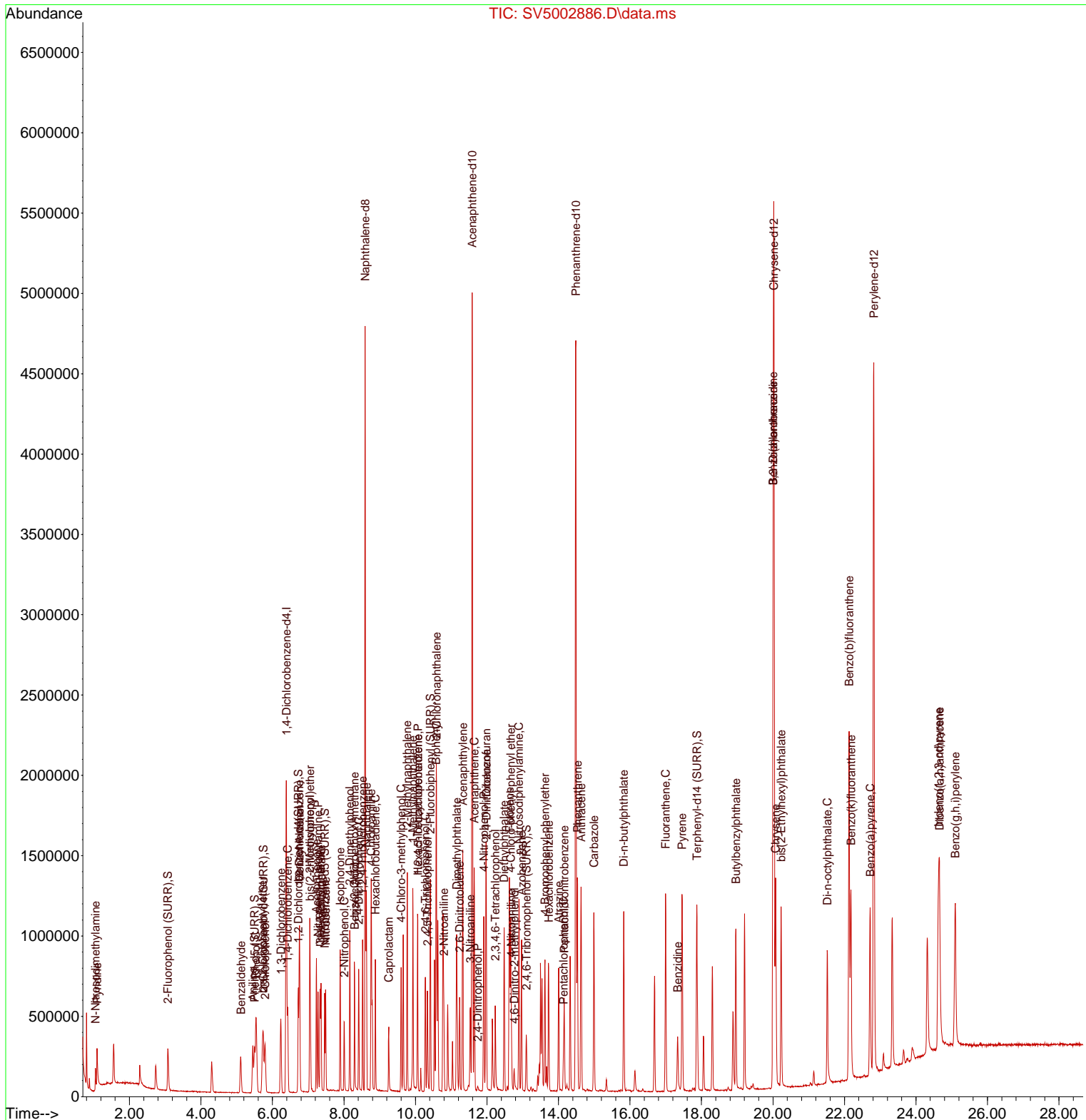
Quant Time: Oct 09 12:13:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:44:54 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.768	142	1079452	10.14	ng/uL#	29
39) 1-Methylnaphthalene	9.927	142	1015255	10.18	ng/uL#	31
40) 1,2,4,5-Tetrachloroben...	10.063	216	260094	10.19	ng/uL	100
42) Hexachlorocyclopentadiene	10.063	237	53435	8.80	ng/uL	96
43) 2,4,6-Trichlorophenol	10.274	196	153312	9.88	ng/uL	98
44) 2,4,5-Trichlorophenol	10.333	196	157120	10.02	ng/uL	99
46) Biphenyl	10.574	154	989015	10.18	ng/uL	99
47) 2-Chloronaphthalene	10.586	162	596733	10.53	ng/uL	98
48) Dimethylphthalate	11.151	163	603400	9.96	ng/uL	100
49) Acenaphthylene	11.321	152	1039100	10.29	ng/uL	99
50) 2,6-Dinitrotoluene	11.233	165	133883	10.36	ng/uL	98
51) 2-Nitroaniline	10.792	65	185756	9.55	ng/uL	96
52) Acenaphthene	11.645	153	838733	10.07	ng/uL	100
53) 2,4-Dinitrophenol	11.739	184	11920m	2.34	ng/uL	
54) Dibenzofuran	11.974	168	803829	10.16	ng/uL	99
55) 4-Nitrophenol	11.910	65	77364	9.03	ng/uL#	73
56) 3-Nitroaniline	11.533	138	153955	10.19	ng/uL	99
57) 2,4-Dinitrotoluene	11.980	165	161065	10.37	ng/uL	97
58) Fluorene	12.627	166	1250307	10.17	ng/uL	99
59) 2,3,4,6-Tetrachlorophenol	12.233	232	125135	10.07	ng/uL	98
60) Diethylphthalate	12.480	149	585723	10.10	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.662	204	325803	10.22	ng/uL	97
63) 4-Nitroaniline	12.680	138	146025	10.28	ng/uL	97
64) 4,6-Dinitro-2-methylph...	12.762	198	43403	7.13	ng/uL	100
65) n-Nitrosodiphenylamine	12.892	169	891596	10.27	ng/uL#	50
66) Azobenzene	12.968	77	631437	10.54	ng/uL	97
68) 4-Bromophenyl-phenylether	13.621	248	181329	10.04	ng/uL	89
69) Hexachlorobenzene	13.727	284	206927	9.96	ng/uL	92
70) Atrazine	14.004	200	148515	10.86	ug/mL	98
71) Pentachloronitrobenzene	14.162	237	60357	9.81	ng/uL	98
72) Pentachlorophenol	14.139	266	72763	7.70	ng/uL	94
73) Phenanthrene	14.527	178	1060116	10.04	ng/uL	100
74) Anthracene	14.633	178	1009018	10.29	ng/uL	100
75) Carbazole	14.992	167	1072137	10.30	ng/uL	100
76) Di-n-butylphthalate	15.827	149	947069	9.92	ng/uL	100
77) Fluoranthene	16.997	202	1126058	10.29	ng/uL	97
78) Benzidine	17.333	184	334404	15.00	ng/uL	98
80) Pyrene	17.456	202	1207531	10.26	ng/uL	95
82) Butylbenzylphthalate	18.962	149	411765	9.93	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.003	252	356086	10.10	ng/uL	99
84) Benzo(a)anthracene	20.003	228	1092749	9.83	ng/uL	100
85) Chrysene	20.068	228	1068923m	10.39	ng/uL	
86) bis(2-Ethylhexyl)phtha...	20.227	149	535611	9.21	ng/uL	99
88) Di-n-octylphthalate	21.515	149	846519	9.90	ng/uL	100
89) Benzo(b)fluoranthene	22.127	252	1164153	10.36	ng/uL	100
90) Benzo(k)fluoranthene	22.179	252	1079923	10.65	ng/uL	99
91) Benzo(a)pyrene	22.721	252	1086741	10.22	ng/uL	82
92) Indeno(1,2,3-cd)pyrene	24.632	276	1520688	10.32	ng/uL	89
93) Dibenzo(a,h)anthracene	24.662	278	1240611	9.39	ng/uL	97
94) Benzo(g,h,i)perylene	25.097	276	1194193	10.03	ng/uL#	39

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
Data File : SV5002886.D
Acq On : 9 Oct 2012 11:46 am
Operator : IBM
Sample : CVJ0074-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 09 12:13:56 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
QLast Update : Tue Oct 09 11:44:54 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002887.D
 Acq On : 9 Oct 2012 12:19 pm
 Operator : IBM
 Sample : CVJ0074-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 13:22:37 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 12:17:33 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	756971	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	3448634	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.586	164	2326034	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	4058417	40.00	ng/uL	0.00	
79) Chrysene-d12	20.027	240	4223657	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	4358893	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	403089	20.31	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 13.54%
7) Phenol-d5 (SURR)	5.498	99	553654	19.86	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 13.24%
11) 2-Chlorophenol-d4 (SURR)	5.745	132	472180	20.32	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 13.55%
14) 1,2 Dichlorobenzene-d4...	6.722	152	398694	17.08	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 17.08%
24) Nitrobenzene-d5 (SURR)	7.457	82	554614	20.44	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 20.44%
45) 2-Fluorobiphenyl (SURR)	10.416	172	1813549	20.64	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 20.64%
67) 2,4,6-Tribromophenol (...)	13.098	330	175220	21.65	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 14.43%
81) Terphenyl-d14 (SURR)	17.874	244	1802946	20.77	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 20.77%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.046	42	119152	17.64	ng/uL		98
3) Pyridine	1.087	79	306343	19.93	ng/uL		99
5) Benzaldehyde	5.110	105	275851	30.72	ug/mL		95
6) bis(2-Chloroethyl)ether	5.716	63	319577	19.61	ng/uL		99
8) 2-Chlorophenol	5.792	128	480079	20.11	ng/uL		90
9) Phenol	5.533	94	593053	19.84	ng/uL		78
10) Aniline	5.445	93	708030	22.15	ng/ul#		74
12) 1,3-Dichlorobenzene	6.233	146	537483	20.00	ng/uL		99
13) 1,4-Dichlorobenzene	6.428	146	554142	20.00	ng/uL		87
15) 1,2-Dichlorobenzene	6.751	146	543522	20.22	ng/uL		97
16) Benzyl Alcohol	6.757	79	444012	20.74	ng/uL		100
17) bis(2-chloroisopropyl)...	7.051	121	198480	20.08	ng/uL#		85
18) 2-Methylphenol	7.045	108	891804	20.07	ng/uL		96
19) Acetophenone	7.227	105	725940	20.60	ng/ul		98
20) n-Nitroso-di-n-propyla...	7.275	70	389721	20.39	ng/uL		98
21) Hexachloroethane	7.357	117	226978	20.18	ng/uL		97
22) 3+4-Methylphenol	7.333	108	1096672	20.27	ng/uL		96
25) Nitrobenzene	7.486	77	604176	20.79	ng/uL		99
26) Isophorone	7.892	82	1086358	20.50	ng/uL		99
27) 2-Nitrophenol	8.004	139	299532	21.69	ng/uL		96
28) Benzoic Acid	8.292	105	135027m	9.79	ng/uL		
29) 2,4-Dimethylphenol	8.163	107	577737	21.01	ng/uL		99
30) bis(2-Chloroethoxy)met...	8.292	93	713333	20.49	ng/uL		99
31) 2,4-Dichlorophenol	8.410	162	471084	20.48	ng/uL		100
32) 1,2,4-Trichlorobenzene	8.521	180	531205	20.25	ng/uL		98
33) Naphthalene	8.627	128	2023430	20.19	ng/uL		100
34) 4-Chloroaniline	8.757	127	798137	21.83	ng/uL		99
35) Hexachlorobutadiene	8.880	225	288243	20.47	ng/uL		100
36) Caprolactam	9.263	113	202291	20.69	ug/mL#		71
37) 4-Chloro-3-methylphenol	9.598	107	528769	20.62	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002887.D
 Acq On : 9 Oct 2012 12:19 pm
 Operator : IBM
 Sample : CVJ0074-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

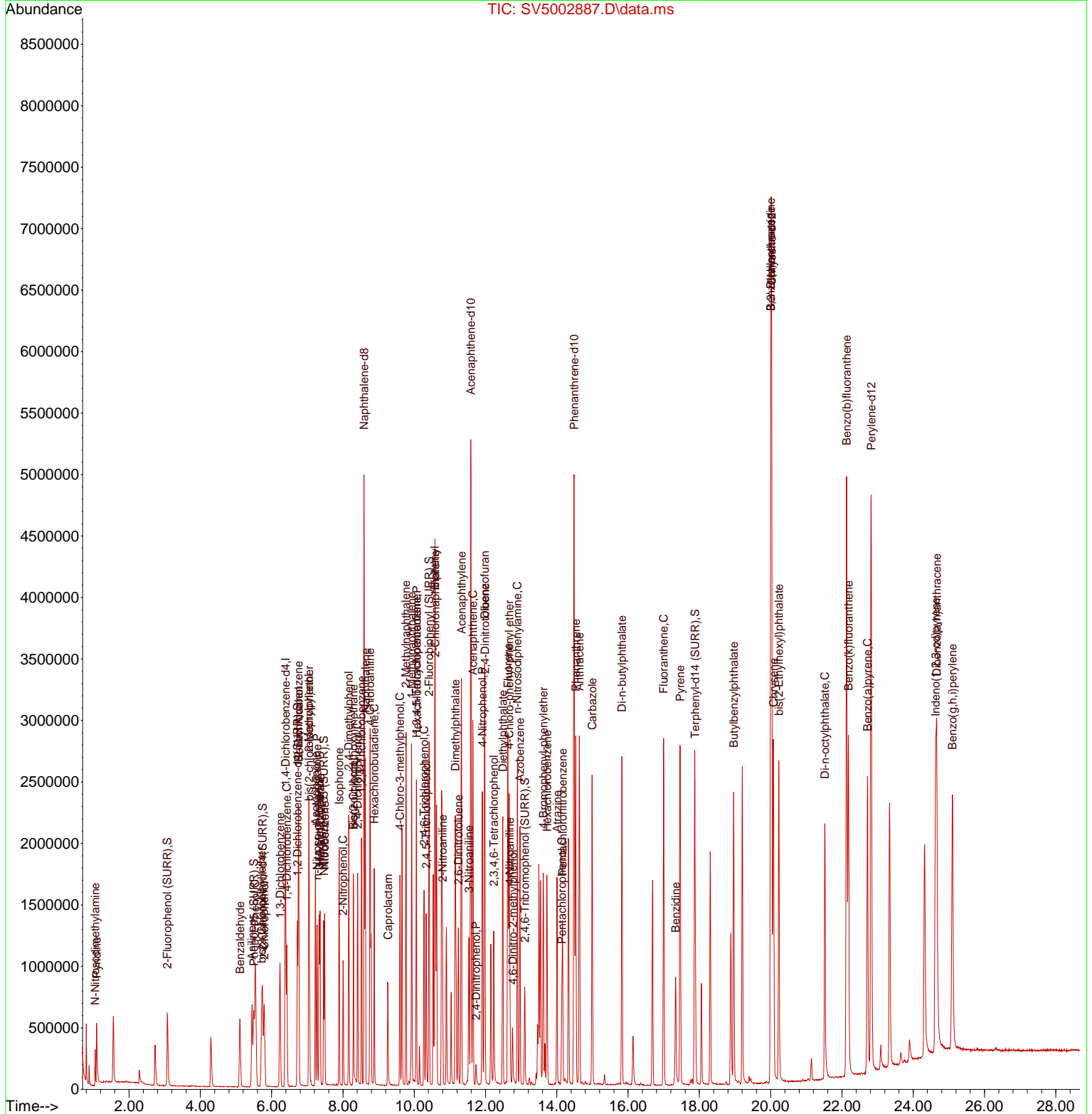
Quant Time: Oct 09 13:22:37 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 12:17:33 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.768	142	2336542	20.75	ng/uL#	29
39) 1-Methylnaphthalene	9.927	142	2197025	20.81	ng/uL#	31
40) 1,2,4,5-Tetrachloroben...	10.057	216	553915	20.50	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	147944	23.81	ng/uL	99
43) 2,4,6-Trichlorophenol	10.274	196	346066	20.97	ng/uL	97
44) 2,4,5-Trichlorophenol	10.333	196	346876	20.73	ng/uL	98
46) Biphenyl	10.574	154	2118839	20.36	ng/uL	99
47) 2-Chloronaphthalene	10.592	162	1259560	20.57	ng/uL	98
48) Dimethylphthalate	11.151	163	1319808	20.46	ng/uL	99
49) Acenaphthylene	11.321	152	2278426	21.00	ng/uL	99
50) 2,6-Dinitrotoluene	11.239	165	305193	21.95	ng/uL	97
51) 2-Nitroaniline	10.792	65	428670	20.90	ng/uL	99
52) Acenaphthene	11.645	153	1803812	20.27	ng/uL	100
53) 2,4-Dinitrophenol	11.733	184	50266	14.99	ng/uL	95
54) Dibenzofuran	11.974	168	1717938	20.28	ng/uL	100
55) 4-Nitrophenol	11.910	65	196319	22.03	ng/uL	81
56) 3-Nitroaniline	11.533	138	360885	22.30	ng/uL	97
57) 2,4-Dinitrotoluene	11.980	165	385778	23.09	ng/uL	92
58) Fluorene	12.627	166	2766769	21.02	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.233	232	296849	22.36	ng/uL	93
60) Diethylphthalate	12.486	149	1303955	21.03	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.662	204	706799	20.68	ng/uL	97
63) 4-Nitroaniline	12.680	138	353285	22.94	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.762	198	138741	23.40	ng/uL	97
65) n-Nitrosodiphenylamine	12.892	169	1998398	21.23	ng/uL#	43
66) Azobenzene	12.962	77	1382167	21.14	ng/uL	98
68) 4-Bromophenyl-phenylether	13.621	248	394823	20.28	ng/uL	90
69) Hexachlorobenzene	13.727	284	447662	20.03	ng/uL	98
70) Atrazine	14.004	200	328322	21.83	ug/mL	98
71) Pentachloronitrobenzene	14.162	237	139569	21.20	ng/uL	91
72) Pentachlorophenol	14.139	266	200385	21.34	ng/uL	96
73) Phenanthrene	14.527	178	2303628	20.23	ng/uL	100
74) Anthracene	14.633	178	2286733	21.50	ng/uL	99
75) Carbazole	14.992	167	2396613	21.22	ng/uL	100
76) Di-n-butylphthalate	15.827	149	2216361	21.61	ng/uL	100
77) Fluoranthene	16.997	202	2560543	21.57	ng/uL	99
78) Benzidine	17.333	184	845319	30.18	ng/uL	98
80) Pyrene	17.462	202	2729631	21.47	ng/uL	95
82) Butylbenzylphthalate	18.962	149	973769	21.92	ng/uL	95
83) 3,3'-Dichlorobenzidine	20.003	252	828207	21.84	ng/uL	99
84) Benzo(a)anthracene	20.003	228	2376920	20.01	ng/uL	99
85) Chrysene	20.080	228	2510881	22.52	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	1259064	20.57	ng/uL	100
88) Di-n-octylphthalate	21.515	149	2059597	22.34	ng/uL	100
89) Benzo(b)fluoranthene	22.132	252	2561840	20.91	ng/uL	100
90) Benzo(k)fluoranthene	22.179	252	2498017	22.42	ng/uL	99
91) Benzo(a)pyrene	22.715	252	2467372	21.35	ng/uL#	1
92) Indeno(1,2,3-cd)pyrene	24.626	276	3207013	19.98	ng/uL	96
93) Dibenzo(a,h)anthracene	24.656	278	2992702	21.28	ng/uL	100
94) Benzo(g,h,i)perylene	25.097	276	2717734	21.10	ng/uL#	39

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002887.D
 Acq On : 9 Oct 2012 12:19 pm
 Operator : IBM
 Sample : CVJ0074-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 13:22:37 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 12:17:33 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002888.D
 Acq On : 9 Oct 2012 12:52 pm
 Operator : IBM
 Sample : CVJ0074-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 13:24:44 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:26:46 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	609801	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	2765093	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.592	164	1870326	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	3263332	40.00	ng/uL	0.00	
79) Chrysene-d12	20.027	240	3417811	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3483517	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	812026	50.63	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	33.75%	
7) Phenol-d5 (SURR)	5.498	99	1118570	49.87	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	33.25%	
11) 2-Chlorophenol-d4(SURR)	5.739	132	966674	51.48	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	34.32%	
14) 1,2 Dichlorobenzene-d4...	6.722	152	784161	42.95	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	42.95%	
24) Nitrobenzene-d5 (SURR)	7.457	82	1110637	50.83	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	50.83%	
45) 2-Fluorobiphenyl (SURR)	10.416	172	3610918	50.78	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	50.78%	
67) 2,4,6-Tribromophenol (...)	13.104	330	375217	56.72	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	37.81%	
81) Terphenyl-d14 (SURR)	17.868	244	3811834	53.85	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	53.85%	
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	240771	45.32	ng/uL		95
3) Pyridine	1.087	79	578933	46.79	ng/uL		98
5) Benzaldehyde	5.104	105	488531	59.55	ug/mL		99
6) bis(2-Chloroethyl)ether	5.716	63	648702	49.61	ng/uL		99
8) 2-Chlorophenol	5.786	128	961489	49.95	ng/uL		97
9) Phenol	5.533	94	1194438	49.69	ng/uL		77
10) Aniline	5.445	93	1409527	53.59	ng/ul#		73
12) 1,3-Dichlorobenzene	6.233	146	1074606	49.64	ng/uL		98
13) 1,4-Dichlorobenzene	6.428	146	1109919	49.72	ng/uL		99
15) 1,2-Dichlorobenzene	6.751	146	1075855	49.57	ng/uL		99
16) Benzyl Alcohol	6.757	79	897088	51.63	ng/uL		98
17) bis(2-chloroisopropyl)...	7.051	121	384709	48.28	ng/uL#		82
18) 2-Methylphenol	7.045	108	1779995	49.70	ng/uL		100
19) Acetophenone	7.227	105	1427726	50.00	ng/ul		98
20) n-Nitroso-di-n-propyla...	7.275	70	781022	50.52	ng/uL		98
21) Hexachloroethane	7.357	117	443822	48.89	ng/uL		99
22) 3+4-Methylphenol	7.333	108	2202281	50.40	ng/uL		100
25) Nitrobenzene	7.486	77	1203199	51.24	ng/uL		100
26) Isophorone	7.892	82	2164943	50.70	ng/uL		99
27) 2-Nitrophenol	8.004	139	617786	54.86	ng/uL		98
28) Benzoic Acid	8.310	105	290570m	26.40	ng/uL		
29) 2,4-Dimethylphenol	8.163	107	1160306	52.10	ng/uL		97
30) bis(2-Chloroethoxy)met...	8.292	93	1389761	49.54	ng/uL		98
31) 2,4-Dichlorophenol	8.410	162	960926	51.85	ng/uL		98
32) 1,2,4-Trichlorobenzene	8.522	180	1053297	49.94	ng/uL		99
33) Naphthalene	8.627	128	4018278	49.92	ng/uL		99
34) 4-Chloroaniline	8.757	127	1621283	54.31	ng/uL		99
35) Hexachlorobutadiene	8.880	225	575506	50.74	ng/uL		99
36) Caprolactam	9.274	113	424377	53.77	ug/mL#		34
37) 4-Chloro-3-methylphenol	9.598	107	1083701	52.38	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002888.D
 Acq On : 9 Oct 2012 12:52 pm
 Operator : IBM
 Sample : CVJ0074-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

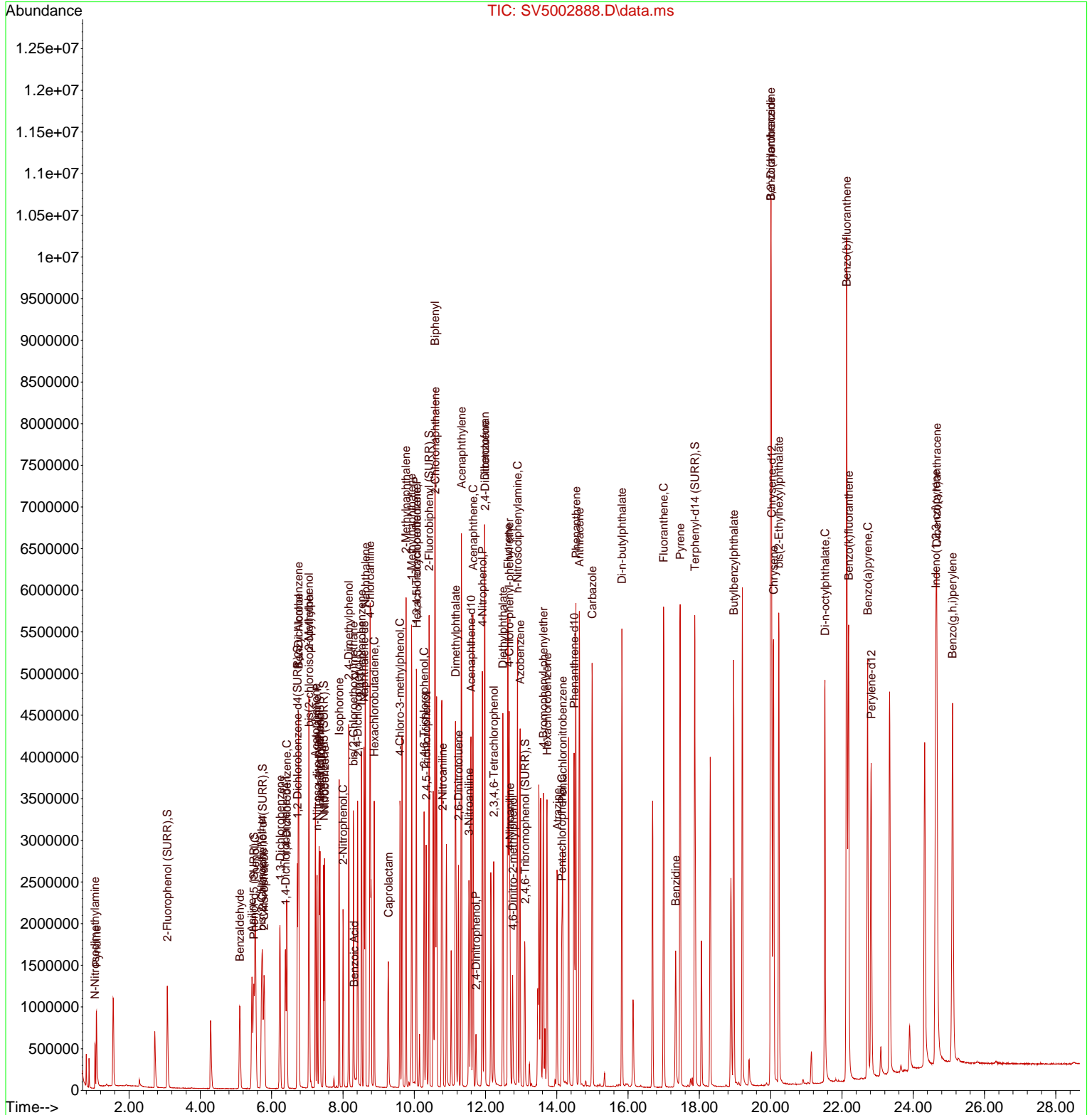
Quant Time: Oct 09 13:24:44 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:26:46 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.768	142	4602636	50.61	ng/uL#	29
39) 1-Methylnaphthalene	9.927	142	4361567m	51.12	ng/uL	
40) 1,2,4,5-Tetrachloroben...	10.057	216	1106610	50.82	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	338384	64.65	ng/uL	98
43) 2,4,6-Trichlorophenol	10.274	196	702098	52.41	ng/uL	98
44) 2,4,5-Trichlorophenol	10.333	196	731933	54.01	ng/uL	100
46) Biphenyl	10.580	154	4129701	49.17	ng/uL	92
47) 2-Chloronaphthalene	10.592	162	2416482	48.80	ng/uL	99
48) Dimethylphthalate	11.157	163	2655691	50.96	ng/uL	100
49) Acenaphthylene	11.321	152	4534017	51.46	ng/uL	99
50) 2,6-Dinitrotoluene	11.239	165	639375	56.09	ng/uL	99
51) 2-Nitroaniline	10.792	65	889820	53.48	ng/uL	97
52) Acenaphthene	11.651	153	3594435	50.10	ng/uL	100
53) 2,4-Dinitrophenol	11.733	184	186292	75.39	ng/uL	96
54) Dibenzofuran	11.974	168	3438070	50.33	ng/uL	100
55) 4-Nitrophenol	11.910	65	444120	60.75	ng/uL#	61
56) 3-Nitroaniline	11.533	138	765174	57.48	ng/uL	98
57) 2,4-Dinitrotoluene	11.980	165	825027	59.56	ng/uL	96
58) Fluorene	12.627	166	5588793	52.27	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.233	232	651994	59.68	ng/uL	97
60) Diethylphthalate	12.486	149	2663426	52.87	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.662	204	1418989	51.29	ng/uL	99
63) 4-Nitroaniline	12.686	138	748271	58.70	ng/uL	98
64) 4,6-Dinitro-2-methylph...	12.762	198	377738	76.01	ng/uL	99
65) n-Nitrosodiphenylamine	12.898	169	4044088	52.79	ng/uL#	43
66) Azobenzene	12.968	77	2798097	52.62	ng/uL	98
68) 4-Bromophenyl-phenylether	13.621	248	810009	51.61	ng/uL	80
69) Hexachlorobenzene	13.727	284	896713	49.89	ng/uL	99
70) Atrazine	14.009	200	525985	42.71	ug/mL	94
71) Pentachloronitrobenzene	14.162	237	303013	56.40	ng/uL	91
72) Pentachlorophenol	14.139	266	504022	65.64	ng/uL	96
73) Phenanthrene	14.533	178	4658819	50.77	ng/uL	99
74) Anthracene	14.633	178	4670323	53.81	ng/uL	100
75) Carbazole	14.992	167	4926351	53.59	ng/uL	100
76) Di-n-butylphthalate	15.827	149	4667770	55.69	ng/uL	100
77) Fluoranthene	16.997	202	5327303	54.94	ng/uL	99
78) Benzidine	17.333	184	1521070	59.91	ng/uL	99
80) Pyrene	17.462	202	5601722	53.65	ng/uL	99
82) Butylbenzylphthalate	18.962	149	2085615	56.93	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.003	252	1756277	56.19	ng/uL	99
84) Benzo(a)anthracene	20.003	228	4871022	50.67	ng/uL	100
85) Chrysene	20.080	228	4677682	50.58	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	2743731	55.08	ng/uL	99
88) Di-n-octylphthalate	21.521	149	4544288	60.27	ng/uL	100
89) Benzo(b)fluoranthene	22.132	252	5439558	55.06	ng/uL	100
90) Benzo(k)fluoranthene	22.185	252	4809253	52.74	ng/uL	99
91) Benzo(a)pyrene	22.721	252	4970291	53.10	ng/uL#	1
92) Indeno(1,2,3-cd)pyrene	24.632	276	6681508	52.10	ng/uL	98
93) Dibenzo(a,h)anthracene	24.662	278	6541832	57.48	ng/uL	99
94) Benzo(g,h,i)perylene	25.103	276	5714172	54.91	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002888.D
 Acq On : 9 Oct 2012 12:52 pm
 Operator : IBM
 Sample : CVJ0074-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 13:24:44 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:26:46 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002889.D
 Acq On : 9 Oct 2012 1:26 pm
 Operator : IBM
 Sample : CVJ0074-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 14:19:57 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:28:56 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	676593	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	3038708	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.592	164	2044237	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	3597661	40.00	ng/uL	0.00	
79) Chrysene-d12	20.027	240	3742929	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3824262	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	1345120	75.76	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	50.51%	
7) Phenol-d5 (SURR)	5.498	99	1832339	73.85	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	49.23%	
11) 2-Chlorophenol-d4 (SURR)	5.745	132	1595852	76.42	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	50.95%	
14) 1,2 Dichlorobenzene-d4...	6.722	152	1280056	62.92	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	62.92%	
24) Nitrobenzene-d5 (SURR)	7.457	82	1832997	76.40	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	76.40%	
45) 2-Fluorobiphenyl (SURR)	10.416	172	5800693	74.42	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	74.42%	
67) 2,4,6-Tribromophenol (...)	13.104	330	629038	86.45	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	57.63%	
81) Terphenyl-d14 (SURR)	17.874	244	6283089	81.20	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	81.20%	
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.046	42	381359	64.57	ng/uL		97
3) Pyridine	1.087	79	960462	70.20	ng/uL		99
5) Benzaldehyde	5.110	105	717283	74.22	ug/mL		96
6) bis(2-Chloroethyl)ether	5.722	63	1045233	72.12	ng/uL		99
8) 2-Chlorophenol	5.792	128	1571723	73.46	ng/uL		88
9) Phenol	5.539	94	1937841	73.02	ng/uL		98
10) Aniline	5.445	93	2307785	79.27	ng/uL		93
12) 1,3-Dichlorobenzene	6.233	146	1771595	73.53	ng/uL		96
13) 1,4-Dichlorobenzene	6.428	146	1819160	73.24	ng/uL		90
15) 1,2-Dichlorobenzene	6.751	146	1748564	72.24	ng/uL		100
16) Benzyl Alcohol	6.763	79	1425039	74.02	ng/uL		99
17) bis(2-chloroisopropyl)...	7.051	121	642015	72.50	ng/uL		98
18) 2-Methylphenol	7.045	108	2939230	74.08	ng/uL		100
19) Acetophenone	7.228	105	2355470	74.42	ng/uL		98
20) n-Nitroso-di-n-propyla...	7.275	70	1280273	74.59	ng/uL		99
21) Hexachloroethane	7.357	117	716093	71.07	ng/uL		99
22) 3+4-Methylphenol	7.333	108	3552160	73.28	ng/uL		100
25) Nitrobenzene	7.486	77	1963222	76.18	ng/uL		99
26) Isophorone	7.892	82	3536137	75.31	ng/uL		99
27) 2-Nitrophenol	8.004	139	1032011	83.68	ng/uL		100
28) Benzoic Acid	8.327	105	528551m	45.27	ng/uL		
29) 2,4-Dimethylphenol	8.163	107	1894906	77.34	ng/uL#		61
30) bis(2-Chloroethoxy)met...	8.298	93	2283631	74.18	ng/uL		98
31) 2,4-Dichlorophenol	8.410	162	1558198	76.31	ng/uL		98
32) 1,2,4-Trichlorobenzene	8.527	180	1703334	73.18	ng/uL		99
33) Naphthalene	8.627	128	6365323	71.53	ng/uL		99
34) 4-Chloroaniline	8.763	127	2715337	82.66	ng/uL		100
35) Hexachlorobutadiene	8.880	225	924703	73.66	ng/uL		99
36) Caprolactam	9.286	113	703527	81.32	ug/mL#		40
37) 4-Chloro-3-methylphenol	9.604	107	1795919	79.15	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002889.D
 Acq On : 9 Oct 2012 1:26 pm
 Operator : IBM
 Sample : CVJ0074-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

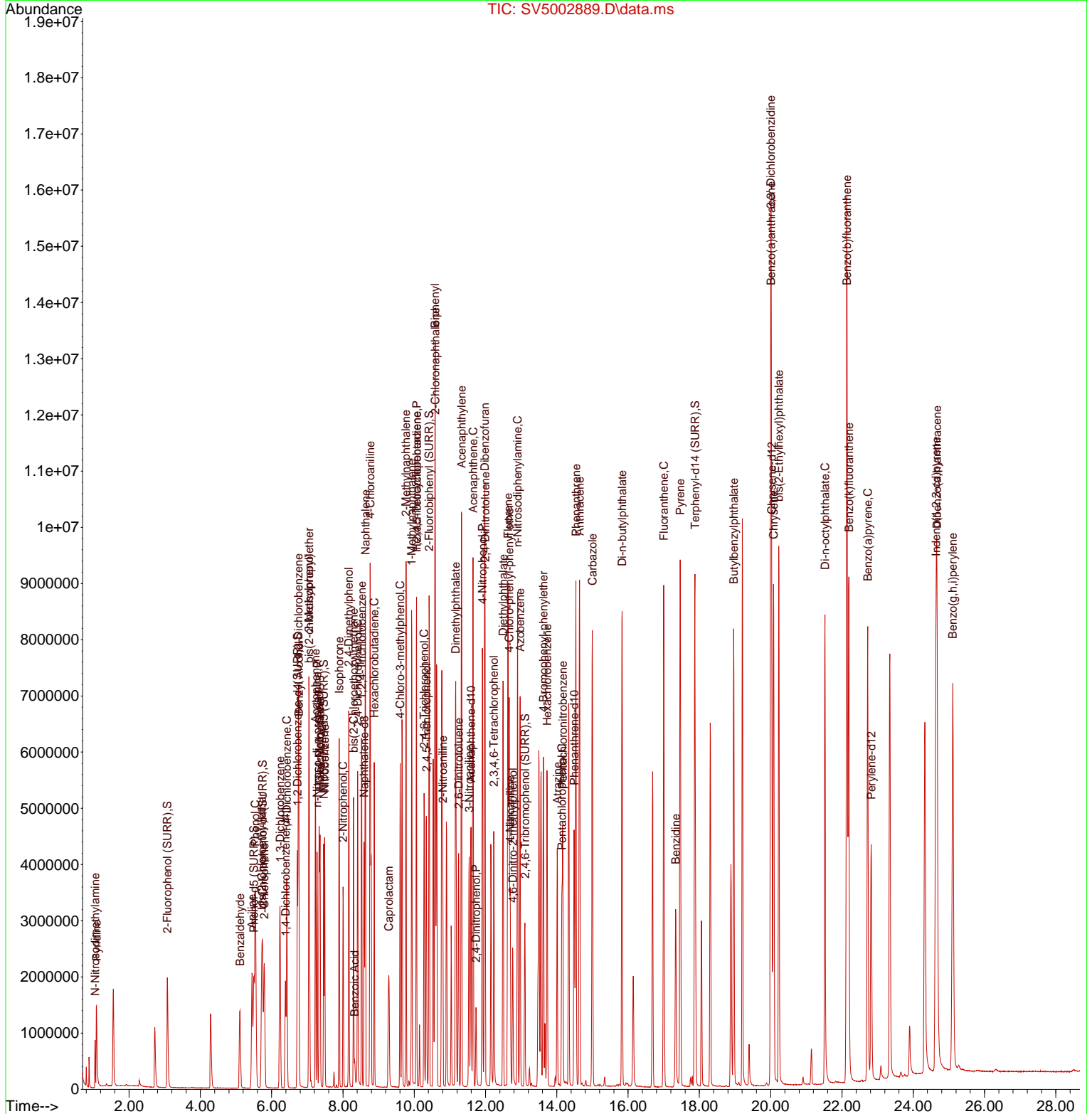
Quant Time: Oct 09 14:19:57 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:28:56 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.769	142	7427402m	74.02	ng/uL	
39) 1-Methylnaphthalene	9.927	142	6990104	74.13	ng/uL	86
40) 1,2,4,5-Tetrachloroben...	10.063	216	1762719	73.28	ng/uL	100
42) Hexachlorocyclopentadiene	10.063	237	620591	110.57	ng/uL	99
43) 2,4,6-Trichlorophenol	10.274	196	1187142	81.54	ng/uL	100
44) 2,4,5-Trichlorophenol	10.339	196	1203905	81.20	ng/uL	99
46) Biphenyl	10.580	154	6575050	71.56	ng/uL	91
47) 2-Chloronaphthalene	10.592	162	3768938	69.32	ng/uL	98
48) Dimethylphthalate	11.157	163	4256309	74.58	ng/uL	100
49) Acenaphthylene	11.321	152	7239416	74.98	ng/uL	100
50) 2,6-Dinitrotoluene	11.245	165	1069916	85.86	ng/uL	96
51) 2-Nitroaniline	10.798	65	1473331	81.42	ng/uL	94
52) Acenaphthene	11.651	153	5783404	73.54	ng/uL	97
53) 2,4-Dinitrophenol	11.733	184	400189	162.28	ng/uL	98
54) Dibenzofuran	11.974	168	5484727	73.15	ng/uL	98
55) 4-Nitrophenol	11.910	65	754007	96.09	ng/uL	97
56) 3-Nitroaniline	11.539	138	1272063	87.39	ng/uL	95
57) 2,4-Dinitrotoluene	11.986	165	1357719	89.41	ng/uL	89
58) Fluorene	12.627	166	8993569	76.65	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.233	232	1083504	90.76	ng/uL	96
60) Diethylphthalate	12.492	149	4347080	78.90	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.662	204	2292319	75.32	ng/uL	99
63) 4-Nitroaniline	12.692	138	1248182	88.77	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.762	198	724946	136.11	ng/uL	89
65) n-Nitrosodiphenylamine	12.898	169	6546889	77.22	ng/uL#	55
66) Azobenzene	12.968	77	4512317	77.00	ng/uL	99
68) 4-Bromophenyl-phenylether	13.621	248	1312419	75.45	ng/uL	93
69) Hexachlorobenzene	13.727	284	1441043	72.40	ng/uL	98
70) Atrazine	14.009	200	848347	63.74	ug/mL	98
71) Pentachloronitrobenzene	14.168	237	498311	83.45	ng/uL	93
72) Pentachlorophenol	14.139	266	919314	112.02	ng/uL	97
73) Phenanthrene	14.533	178	7493833	73.68	ng/uL	99
74) Anthracene	14.639	178	7460365	77.47	ng/uL	96
75) Carbazole	14.998	167	7905395	77.71	ng/uL	100
76) Di-n-butylphthalate	15.833	149	7579915	82.00	ng/uL	100
77) Fluoranthene	17.003	202	8523686	79.21	ng/uL	99
78) Benzidine	17.333	184	3004614	99.65	ng/uL	99
80) Pyrene	17.462	202	8954441	77.97	ng/uL	99
82) Butylbenzylphthalate	18.962	149	3443634	85.85	ng/uL	97
83) 3,3'-Dichlorobenzidine	20.003	252	2837428	83.13	ng/uL	99
84) Benzo(a)anthracene	20.009	228	7852494	74.45	ng/uL	100
85) Chrysene	20.080	228	7561583	74.46	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	4593172	84.62	ng/uL	100
88) Di-n-octylphthalate	21.521	149	7505208	91.64	ng/uL	100
89) Benzo(b)fluoranthene	22.138	252	8114385	73.93	ng/uL	99
90) Benzo(k)fluoranthene	22.191	252	8121354	81.20	ng/uL	99
91) Benzo(a)pyrene	22.721	252	7900243	76.32	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.638	276	10570539	74.74	ng/uL	97
93) Dibenzo(a,h)anthracene	24.668	278	10370120	82.56	ng/uL	99
94) Benzo(g,h,i)perylene	25.109	276	9089585	79.01	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002889.D
 Acq On : 9 Oct 2012 1:26 pm
 Operator : IBM
 Sample : CVJ0074-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 14:19:57 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:28:56 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002890.D
 Acq On : 9 Oct 2012 1:59 pm
 Operator : IBM
 Sample : CVJ0074-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 15:06:01 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 14:24:11 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	751832	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.598	136	3312938	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.592	164	2264662	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	4031939	40.00	ng/uL	0.00	
79) Chrysene-d12	20.033	240	4067336	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	4204884	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.081	112	1930692	97.69	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	65.13%	
7) Phenol-d5 (SURR)	5.504	99	2608414	94.85	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	63.23%	
11) 2-Chlorophenol-d4(SURR)	5.751	132	2280713	97.98	ng/uL	0.01	
Spiked Amount	150.000			Recovery	=	65.32%	
14) 1,2 Dichlorobenzene-d4...	6.722	152	1824315	82.93	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	82.93%	
24) Nitrobenzene-d5 (SURR)	7.457	82	2603955	99.24	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	99.24%	
45) 2-Fluorobiphenyl (SURR)	10.422	172	8137462	94.36	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	94.36%	
67) 2,4,6-Tribromophenol (...)	13.104	330	925340	110.66	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	73.77%	
81) Terphenyl-d14 (SURR)	17.874	244	9182353	107.72	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	107.72%	
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.046	42	557302	86.93	ng/uL		98
3) Pyridine	1.087	79	1367816	90.94	ng/uL		93
5) Benzaldehyde	5.110	105	1020209	95.20	ug/mL		100
6) bis(2-Chloroethyl)ether	5.722	63	1489482	93.09	ng/uL		99
8) 2-Chlorophenol	5.792	128	2247647	94.87	ng/uL		87
9) Phenol	5.545	94	2725922	92.85	ng/uL		99
10) Aniline	5.451	93	3252553	99.59	ng/uL		97
12) 1,3-Dichlorobenzene	6.234	146	2519016	94.40	ng/uL		95
13) 1,4-Dichlorobenzene	6.428	146	2590015	94.20	ng/uL		90
15) 1,2-Dichlorobenzene	6.751	146	2461711	92.09	ng/uL		98
16) Benzyl Alcohol	6.763	79	2051888	96.13	ng/uL		99
17) bis(2-chloroisopropyl)...	7.057	121	896901	91.65	ng/uL		100
18) 2-Methylphenol	7.045	108	4137875	94.04	ng/uL		100
19) Acetophenone	7.228	105	3292063	93.73	ng/uL		96
20) n-Nitroso-di-n-propyla...	7.275	70	1821527	95.59	ng/uL		97
21) Hexachloroethane	7.357	117	1013996	91.36	ng/uL		100
22) 3+4-Methylphenol	7.339	108	5077781	94.63	ng/uL		100
25) Nitrobenzene	7.486	77	2786907	98.93	ng/uL		99
26) Isophorone	7.892	82	5000178	97.61	ng/uL		99
27) 2-Nitrophenol	8.010	139	1505857	109.87	ng/uL		96
28) Benzoic Acid	8.351	105	807756m	60.93	ng/uL		
29) 2,4-Dimethylphenol	8.169	107	2691137	100.23	ng/uL		99
30) bis(2-Chloroethoxy)met...	8.298	93	3216605	96.02	ng/uL		99
31) 2,4-Dichlorophenol	8.416	162	2234607	100.08	ng/uL		99
32) 1,2,4-Trichlorobenzene	8.528	180	2388789	94.51	ng/uL		99
33) Naphthalene	8.628	128	8847147	91.90	ng/uL		100
34) 4-Chloroaniline	8.763	127	3863015	106.06	ng/uL		100
35) Hexachlorobutadiene	8.880	225	1311190	96.09	ng/uL		99
36) Caprolactam	9.298	113	1033322	108.04	ug/mL#		60
37) 4-Chloro-3-methylphenol	9.610	107	2606567	104.40	ng/uL		98

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002890.D
 Acq On : 9 Oct 2012 1:59 pm
 Operator : IBM
 Sample : CVJ0074-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

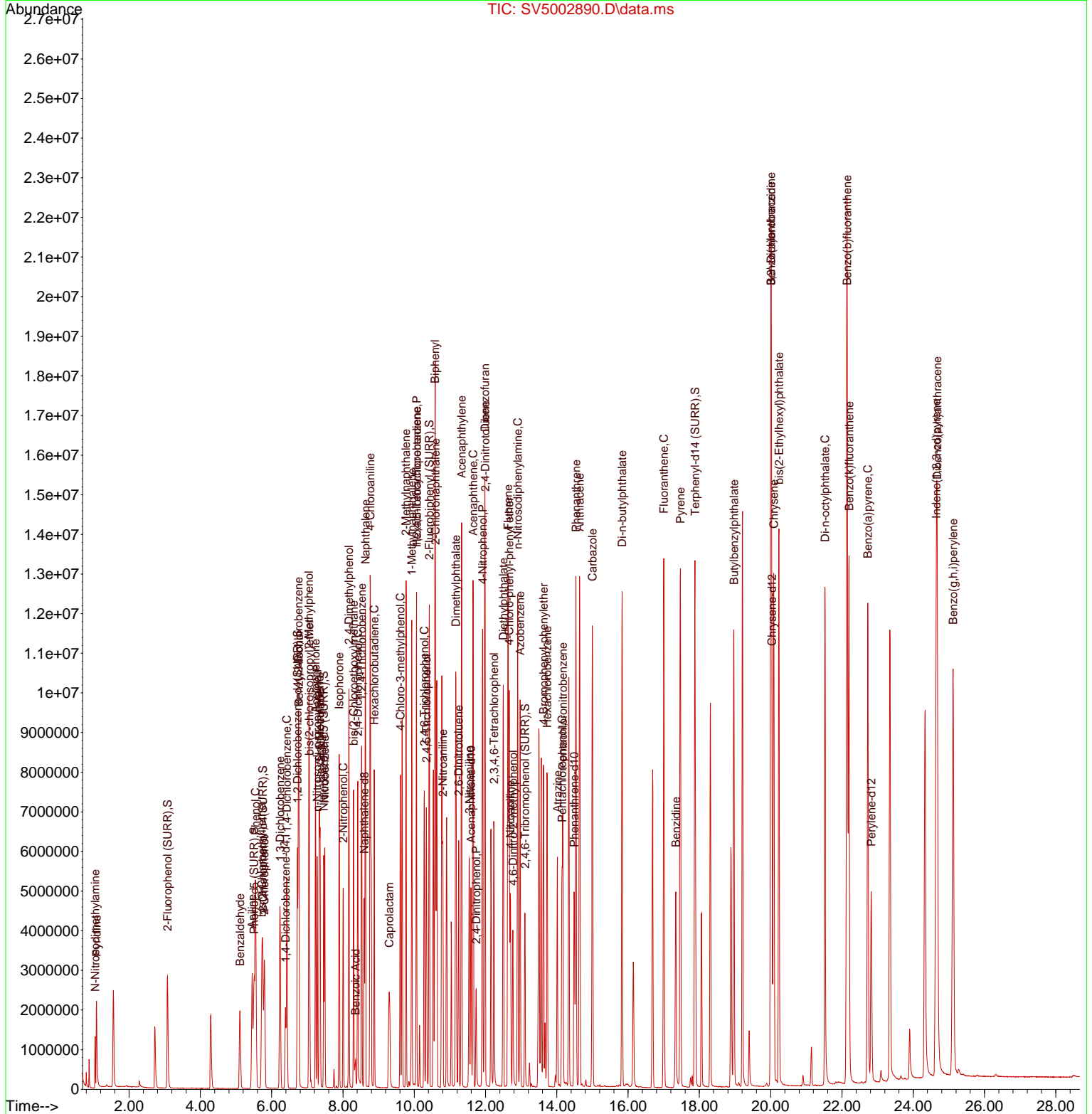
Quant Time: Oct 09 15:06:01 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 14:24:11 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.769	142	10357616	94.88	ng/uL#	51
39) 1-Methylnaphthalene	9.933	142	9762952	95.15	ng/uL#	57
40) 1,2,4,5-Tetrachloroben...	10.063	216	2486787	95.19	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	916987	134.70	ng/uL	99
43) 2,4,6-Trichlorophenol	10.280	196	1701486	103.99	ng/uL	98
44) 2,4,5-Trichlorophenol	10.339	196	1747465	104.94	ng/uL	100
46) Biphenyl	10.580	154	9174509	90.82	ng/uL#	51
47) 2-Chloronaphthalene	10.598	162	5629697	94.67	ng/uL	99
48) Dimethylphthalate	11.163	163	6039638	95.61	ng/uL	100
49) Acenaphthylene	11.327	152	10200305	95.37	ng/uL	99
50) 2,6-Dinitrotoluene	11.245	165	1562924	110.55	ng/uL	99
51) 2-Nitroaniline	10.798	65	2136147	105.06	ng/uL	97
52) Acenaphthene	11.651	153	8209015	94.53	ng/uL	100
53) 2,4-Dinitrophenol	11.739	184	709304	201.12	ng/uL	96
54) Dibenzofuran	11.980	168	7706939	93.16	ng/uL	98
55) 4-Nitrophenol	11.916	65	1131182	124.30	ng/uL#	40
56) 3-Nitroaniline	11.545	138	1858162	112.14	ng/uL	96
57) 2,4-Dinitrotoluene	11.986	165	1969679	113.45	ng/uL	95
58) Fluorene	12.633	166	12783304	97.98	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.239	232	1627359	118.88	ng/uL	96
60) Diethylphthalate	12.498	149	6268149	101.81	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.663	204	3242335	96.09	ng/uL	98
63) 4-Nitroaniline	12.698	138	1845688	113.65	ng/uL	98
64) 4,6-Dinitro-2-methylph...	12.768	198	1158847	166.94	ng/uL	97
65) n-Nitrosodiphenylamine	12.904	169	9398121	98.43	ng/uL#	55
66) Azobenzene	12.974	77	6442421	97.66	ng/uL	96
68) 4-Bromophenyl-phenylether	13.627	248	1864982	95.58	ng/uL	99
69) Hexachlorobenzene	13.727	284	2074018	93.52	ng/uL	97
70) Atrazine	14.015	200	1200113	82.52	ug/mL	98
71) Pentachloronitrobenzene	14.168	237	745201	108.90	ng/uL	96
72) Pentachlorophenol	14.145	266	1426443	141.15	ng/uL	96
73) Phenanthrene	14.539	178	10673883	93.92	ng/uL	96
74) Anthracene	14.639	178	10630755	97.96	ng/uL	99
75) Carbazole	14.998	167	11439382	99.73	ng/uL	99
76) Di-n-butylphthalate	15.833	149	10921897	103.81	ng/uL	100
77) Fluoranthene	17.003	202	12330033	101.29	ng/uL	98
78) Benzidine	17.339	184	4645252	128.99	ng/uL	100
80) Pyrene	17.468	202	12855666	102.34	ng/uL	98
82) Butylbenzylphthalate	18.968	149	5100405	114.26	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.009	252	4176914	110.61	ng/uL	99
84) Benzo(a)anthracene	20.009	228	11237952	98.17	ng/uL	100
85) Chrysene	20.086	228	10898488	98.88	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.233	149	6847683	113.66	ng/uL	99
88) Di-n-octylphthalate	21.521	149	11292604	120.93	ng/uL	100
89) Benzo(b)fluoranthene	22.144	252	11942115	99.19	ng/uL	99
90) Benzo(k)fluoranthene	22.197	252	11661552	104.60	ng/uL	98
91) Benzo(a)pyrene	22.727	252	11618690	101.79	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.644	276	15586208	100.29	ng/uL	83
93) Dibenzo(a,h)anthracene	24.674	278	15241060	108.54	ng/uL	99
94) Benzo(g,h,i)perylene	25.121	276	13486584	105.67	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002890.D
 Acq On : 9 Oct 2012 1:59 pm
 Operator : IBM
 Sample : CVJ0074-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 15:06:01 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 14:24:11 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002891.D
 Acq On : 9 Oct 2012 2:32 pm
 Operator : IBM
 Sample : CVJ0074-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 15:09:02 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:10:15 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	691313	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	2977567	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.592	164	2042738	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.492	188	3652492	40.00	ng/uL	0.00	
79) Chrysene-d12	20.033	240	3687215	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3896074	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	2148670	118.63	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 79.09%
7) Phenol-d5 (SURR)	5.504	99	2900894	115.57	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 77.05%
11) 2-Chlorophenol-d4 (SURR)	5.745	132	2530324	118.56	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 79.04%
14) 1,2 Dichlorobenzene-d4...	6.722	152	2031763	102.95	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 102.95%
24) Nitrobenzene-d5 (SURR)	7.457	82	2910031	123.53	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 123.53%
45) 2-Fluorobiphenyl (SURR)	10.421	172	9032671	117.06	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 117.06%
67) 2,4,6-Tribromophenol (...)	13.104	330	1042232	135.52	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 90.35%
81) Terphenyl-d14 (SURR)	17.874	244	10329151	132.21	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 132.21%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	626581	108.31	ng/uL		96
3) Pyridine	1.081	79	1513589	110.87	ng/uL		96
5) Benzaldehyde	5.104	105	997940	102.09	ug/mL		100
6) bis(2-Chloroethyl)ether	5.722	63	1666785	114.42	ng/uL		100
8) 2-Chlorophenol	5.792	128	2510363	116.08	ng/uL		87
9) Phenol	5.545	94	3039538	113.76	ng/uL		97
10) Aniline	5.451	93	3580921	119.32	ng/uL		94
12) 1,3-Dichlorobenzene	6.233	146	2799377	115.01	ng/uL		100
13) 1,4-Dichlorobenzene	6.428	146	2883164	115.00	ng/uL		90
15) 1,2-Dichlorobenzene	6.751	146	2734748	112.53	ng/uL		98
16) Benzyl Alcohol	6.763	79	2274869	116.55	ng/uL		99
17) bis(2-chloroisopropyl)...	7.057	121	1004581	112.99	ng/uL		96
18) 2-Methylphenol	7.045	108	4604624	114.79	ng/uL		100
19) Acetophenone	7.228	105	3642891	113.82	ng/uL		97
20) n-Nitroso-di-n-propyla...	7.275	70	2010176	115.45	ng/uL		98
21) Hexachloroethane	7.357	117	1123925	111.51	ng/uL		99
22) 3+4-Methylphenol	7.333	108	5608994	114.56	ng/uL		100
25) Nitrobenzene	7.492	77	3085925	122.07	ng/uL		98
26) Isophorone	7.892	82	5539329	120.73	ng/uL		99
27) 2-Nitrophenol	8.010	139	1679659	134.46	ng/uL		96
28) Benzoic Acid	8.357	105	926211m	75.00	ng/uL		
29) 2,4-Dimethylphenol	8.169	107	2979290	123.41	ng/uL#		61
30) bis(2-Chloroethoxy)met...	8.298	93	3559435	118.89	ng/uL		99
31) 2,4-Dichlorophenol	8.416	162	2490804	124.11	ng/uL		98
32) 1,2,4-Trichlorobenzene	8.527	180	2670133	118.47	ng/uL		100
33) Naphthalene	8.627	128	9704460	113.47	ng/uL		99
34) 4-Chloroaniline	8.763	127	4258947	128.98	ng/uL		100
35) Hexachlorobutadiene	8.880	225	1469452	120.49	ng/uL		99
36) Caprolactam	9.298	113	1163620	133.83	ug/mL#		41
37) 4-Chloro-3-methylphenol	9.610	107	2889690	127.97	ng/uL		98

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002891.D
 Acq On : 9 Oct 2012 2:32 pm
 Operator : IBM
 Sample : CVJ0074-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 15:09:02 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:10:15 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.768	142	11406757	117.12	ng/uL#	51
39) 1-Methylnaphthalene	9.933	142	10793945	117.86	ng/uL#	57
40) 1,2,4,5-Tetrachloroben...	10.063	216	2754389	118.12	ng/uL	100
42) Hexachlorocyclopentadiene	10.063	237	993902	153.01	ng/uL	98
43) 2,4,6-Trichlorophenol	10.280	196	1914915	129.01	ng/uL	99
44) 2,4,5-Trichlorophenol	10.339	196	1948430	128.81	ng/uL	100
46) Biphenyl	10.580	154	10082803	112.13	ng/uL#	51
47) 2-Chloronaphthalene	10.598	162	6186021	116.21	ng/uL	99
48) Dimethylphthalate	11.163	163	6710885	118.52	ng/uL	99
49) Acenaphthylene	11.327	152	11296462	117.87	ng/uL	99
50) 2,6-Dinitrotoluene	11.245	165	1749596	135.16	ng/uL	98
51) 2-Nitroaniline	10.798	65	2385455	129.14	ng/uL	96
52) Acenaphthene	11.651	153	9118168	117.32	ng/uL#	55
53) 2,4-Dinitrophenol	11.739	184	837072	218.87	ng/uL	95
54) Dibenzofuran	11.980	168	8534496	115.50	ng/uL	97
55) 4-Nitrophenol	11.915	65	1277645	150.43	ng/uL#	54
56) 3-Nitroaniline	11.545	138	2076698	136.58	ng/uL	95
57) 2,4-Dinitrotoluene	11.986	165	2201843	137.95	ng/uL	96
58) Fluorene	12.633	166	14231137	121.28	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.239	232	1826299	144.02	ng/uL	94
60) Diethylphthalate	12.498	149	7007105	125.86	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.662	204	3607671	119.20	ng/uL	98
63) 4-Nitroaniline	12.704	138	2075218	138.36	ng/uL	100
64) 4,6-Dinitro-2-methylph...	12.768	198	1339059	191.56	ng/uL	87
65) n-Nitrosodiphenylamine	12.904	169	10490625	121.56	ng/uL#	55
66) Azobenzene	12.974	77	7167251	120.34	ng/uL	97
68) 4-Bromophenyl-phenylether	13.627	248	2096011	119.33	ng/uL	100
69) Hexachlorobenzene	13.733	284	2310953	116.10	ng/uL	99
70) Atrazine	14.015	200	1278062	99.50	ug/mL	96
71) Pentachloronitrobenzene	14.168	237	833374	132.47	ng/uL	95
72) Pentachlorophenol	14.145	266	1649062	168.57	ng/uL	95
73) Phenanthrene	14.539	178	11773645	115.36	ng/uL	96
74) Anthracene	14.639	178	11836460	120.76	ng/uL	97
75) Carbazole	14.998	167	12816152	123.39	ng/uL	99
76) Di-n-butylphthalate	15.833	149	12169884	127.00	ng/uL	100
77) Fluoranthene	17.003	202	13703365	124.04	ng/uL	97
78) Benzidine	17.339	184	4977419	145.54	ng/uL	99
80) Pyrene	17.468	202	14371510	125.78	ng/uL	98
82) Butylbenzylphthalate	18.968	149	5742185	139.07	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.009	252	4701473	135.29	ng/uL	99
84) Benzo(a)anthracene	20.015	228	12659750	122.31	ng/uL	100
85) Chrysene	20.085	228	12234320	122.64	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.233	149	7744901	139.09	ng/uL	98
88) Di-n-octylphthalate	21.521	149	12910327	144.88	ng/uL	100
89) Benzo(b)fluoranthene	22.144	252	13143946	117.96	ng/uL	97
90) Benzo(k)fluoranthene	22.197	252	13376778	128.65	ng/uL	98
91) Benzo(a)pyrene	22.726	252	13119962	123.73	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.650	276	17790108	123.49	ng/uL	78
93) Dibenzo(a,h)anthracene	24.673	278	17344554	131.70	ng/uL	98
94) Benzo(g,h,i)perylene	25.126	276	15545678	130.41	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002892.D
 Acq On : 9 Oct 2012 3:05 pm
 Operator : IBM
 Sample : CVJ0074-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 15:39:43 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:13:12 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	718757	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.598	136	3089704	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.592	164	2110852	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.492	188	3767137	40.00	ng/uL	0.00	
79) Chrysene-d12	20.033	240	3781057	40.00	ng/uL	0.00	
87) Perylene-d12	22.827	264	4106184	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	2668085	142.59	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 95.06%
7) Phenol-d5 (SURR)	5.510	99	3570964	138.14	ng/uL	0.01	
Spiked Amount	150.000						Recovery = 92.09%
11) 2-Chlorophenol-d4 (SURR)	5.751	132	3127924	141.88	ng/uL	0.01	
Spiked Amount	150.000						Recovery = 94.59%
14) 1,2 Dichlorobenzene-d4...	6.722	152	2497966	124.49	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 124.49%
24) Nitrobenzene-d5 (SURR)	7.463	82	3576150	146.51	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 146.51%
45) 2-Fluorobiphenyl (SURR)	10.422	172	10860366	137.30	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 137.30%
67) 2,4,6-Tribromophenol (...)	13.104	330	1269683	158.41	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 105.61%
81) Terphenyl-d14 (SURR)	17.874	244	12207207	151.28	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 151.28%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	780513	131.97	ng/uL		98
3) Pyridine	1.081	79	1875739	134.05	ng/uL		95
5) Benzaldehyde	5.110	105	1102038	111.35	ug/mL		99
6) bis(2-Chloroethyl)ether	5.728	63	2013795	134.38	ng/uL		98
8) 2-Chlorophenol	5.798	128	3090877	138.71	ng/uL		87
9) Phenol	5.545	94	3703327	134.82	ng/uL		97
10) Aniline	5.451	93	4186095	134.92	ng/ul#		80
12) 1,3-Dichlorobenzene	6.234	146	3454653	137.89	ng/uL		100
13) 1,4-Dichlorobenzene	6.428	146	3560012	137.95	ng/uL		95
15) 1,2-Dichlorobenzene	6.751	146	3356679	134.53	ng/uL		98
16) Benzyl Alcohol	6.769	79	2826873	140.48	ng/uL		98
17) bis(2-chloroisopropyl)...	7.063	121	1223886	134.01	ng/uL		99
18) 2-Methylphenol	7.051	108	5495020	133.11	ng/uL		100
19) Acetophenone	7.228	105	4500579	136.77	ng/ul		95
20) n-Nitroso-di-n-propyla...	7.281	70	2452660	136.79	ng/uL		99
21) Hexachloroethane	7.357	117	1376688	133.17	ng/uL		99
22) 3+4-Methylphenol	7.339	108	6784581	134.68	ng/uL		100
25) Nitrobenzene	7.492	77	3791628	144.97	ng/uL		99
26) Isophorone	7.898	82	6654894	140.38	ng/uL		98
27) 2-Nitrophenol	8.010	139	2065940	157.89	ng/uL		97
28) Benzoic Acid	8.375	105	1186699m	90.03	ng/uL		
29) 2,4-Dimethylphenol	8.169	107	3600137	143.95	ng/uL#		62
30) bis(2-Chloroethoxy)met...	8.298	93	4345673	140.75	ng/uL		99
31) 2,4-Dichlorophenol	8.416	162	3036219	145.92	ng/uL		99
32) 1,2,4-Trichlorobenzene	8.527	180	3237284	139.33	ng/uL		100
33) Naphthalene	8.627	128	11556461	131.74	ng/uL		99
34) 4-Chloroaniline	8.763	127	5015966	145.81	ng/uL		100
35) Hexachlorobutadiene	8.880	225	1780309	141.31	ng/uL		99
36) Caprolactam	9.310	113	1441404	158.36	ug/mL		93
37) 4-Chloro-3-methylphenol	9.610	107	3578448	152.27	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002892.D
 Acq On : 9 Oct 2012 3:05 pm
 Operator : IBM
 Sample : CVJ0074-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

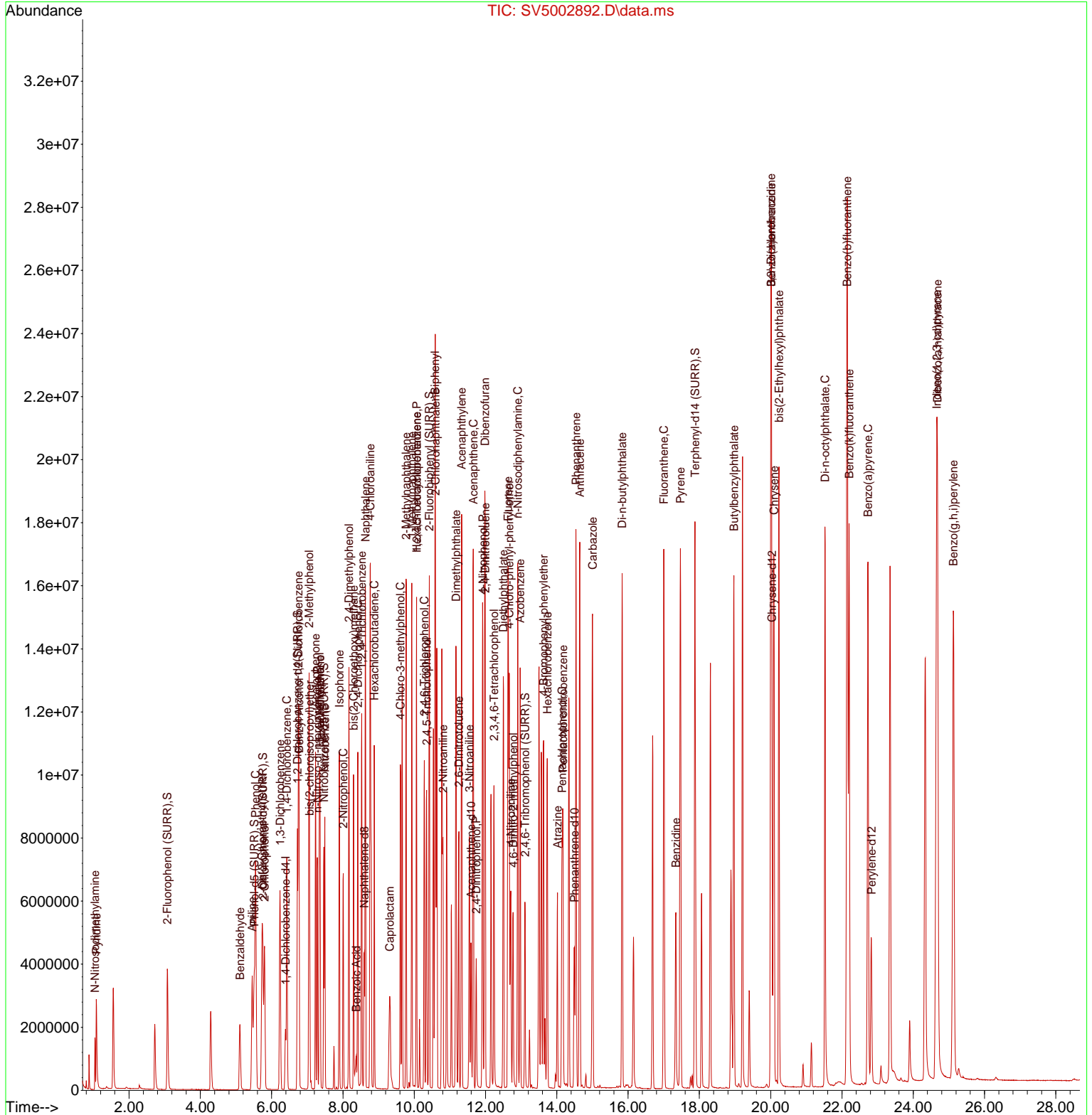
Quant Time: Oct 09 15:39:43 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:13:12 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.774	142	13734044	136.97	ng/uL#	51
39) 1-Methylnaphthalene	9.933	142	13054206	138.35	ng/uL#	57
40) 1,2,4,5-Tetrachloroben...	10.063	216	3352379	139.51	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	1060510	153.10	ng/uL	95
43) 2,4,6-Trichlorophenol	10.280	196	2339706	151.93	ng/uL	99
44) 2,4,5-Trichlorophenol	10.345	196	2419829	154.23	ng/uL	100
46) Biphenyl	10.580	154	11964528	130.44	ng/uL#	51
47) 2-Chloronaphthalene	10.598	162	7159211	131.30	ng/uL	97
48) Dimethylphthalate	11.169	163	8066359	138.77	ng/uL	99
49) Acenaphthylene	11.327	152	13436304	136.65	ng/uL	99
50) 2,6-Dinitrotoluene	11.251	165	2145548	158.79	ng/uL	95
51) 2-Nitroaniline	10.804	65	2898659	151.23	ng/uL	92
52) Acenaphthene	11.657	153	10945508	137.34	ng/uL#	59
53) 2,4-Dinitrophenol	11.739	184	1126872	253.42	ng/uL	97
54) Dibenzofuran	11.980	168	10186171	134.69	ng/uL	96
55) 4-Nitrophenol	11.921	65	1573782	174.87	ng/uL#	63
56) 3-Nitroaniline	11.545	138	2538042	159.69	ng/uL	98
57) 2,4-Dinitrotoluene	11.992	165	2691221	161.08	ng/uL	86
58) Fluorene	12.633	166	17061098	141.23	ng/uL#	69
59) 2,3,4,6-Tetrachlorophenol	12.239	232	2240465	167.79	ng/uL	94
60) Diethylphthalate	12.498	149	8495071	147.53	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.663	204	4355792	140.09	ng/uL	98
63) 4-Nitroaniline	12.710	138	2515343	160.46	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.774	198	1698210	218.90	ng/uL	96
65) n-Nitrosodiphenylamine	12.904	169	12610649	142.16	ng/uL#	55
66) Azobenzene	12.974	77	8670922	141.81	ng/uL	98
68) 4-Bromophenyl-phenylether	13.627	248	2514624	139.60	ng/uL	93
69) Hexachlorobenzene	13.733	284	2800675	137.65	ng/uL	99
70) Atrazine	14.015	200	1253053	97.05	ug/mL	98
71) Pentachloronitrobenzene	14.174	237	1029769	157.36	ng/uL	89
72) Pentachlorophenol	14.145	266	2096862	197.97	ng/uL	96
73) Phenanthrene	14.539	178	14146996	135.70	ng/uL	96
74) Anthracene	14.645	178	14182014	140.88	ng/uL	96
75) Carbazole	15.004	167	15422243	144.20	ng/uL	99
76) Di-n-butylphthalate	15.833	149	14410160	145.51	ng/uL	100
77) Fluoranthene	17.003	202	16587198	145.71	ng/uL	96
78) Benzidine	17.339	184	5336189	147.81	ng/uL	99
80) Pyrene	17.468	202	17245813	147.07	ng/uL	96
82) Butylbenzylphthalate	18.968	149	6991212	162.82	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.009	252	5648922	156.90	ng/uL	99
84) Benzo(a)anthracene	20.015	228	15166356	143.27	ng/uL	99
85) Chrysene	20.091	228	14802389	145.04	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.233	149	9447689	163.16	ng/uL	98
88) Di-n-octylphthalate	21.521	149	15822208	165.19	ng/uL	100
89) Benzo(b)fluoranthene	22.144	252	16448203	141.06	ng/uL	97
90) Benzo(k)fluoranthene	22.203	252	15779598	143.47	ng/uL	98
91) Benzo(a)pyrene	22.732	252	16338516	146.39	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.656	276	22466649	148.20	ng/uL	74
93) Dibenzo(a,h)anthracene	24.679	278	21860634	156.45	ng/uL	98
94) Benzo(g,h,i)perylene	25.126	276	19893857	157.49	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
Data File : SV5002892.D
Acq On : 9 Oct 2012 3:05 pm
Operator : IBM
Sample : CVJ0074-CAL9
Misc :
ALS Vial : 11 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 09 15:39:43 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
QLast Update : Tue Oct 09 15:13:12 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002893.D
 Acq On : 9 Oct 2012 3:38 pm
 Operator : IBM
 Sample : CVJ0074-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 16:11:43 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:44:10 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.387	152	718610	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.598	136	3032590	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.598	164	2103465	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.492	188	3808318	40.00	ng/uL	0.00	
79) Chrysene-d12	20.039	240	3735571	40.00	ng/uL	0.01	
87) Perylene-d12	22.827	264	4304010	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	3421825	183.92	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 122.61%
7) Phenol-d5 (SURR)	5.510	99	4597705	179.47	ng/uL	0.01	
Spiked Amount	150.000						Recovery = 119.65%
11) 2-Chlorophenol-d4 (SURR)	5.751	132	4027281	183.82	ng/uL	0.01	
Spiked Amount	150.000						Recovery = 122.55%
14) 1,2 Dichlorobenzene-d4...	6.722	152	3206754	162.92	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 162.92%
24) Nitrobenzene-d5 (SURR)	7.463	82	4570275	191.26	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 191.26%
45) 2-Fluorobiphenyl (SURR)	10.422	172	13695444	175.40	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 175.40%
67) 2,4,6-Tribromophenol (...)	13.110	330	1697310	208.17	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 138.78%
81) Terphenyl-d14 (SURR)	17.874	244	15983291	200.30	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 200.30%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	1003805	172.06	ng/uL		97
3) Pyridine	1.081	79	2383879	172.44	ng/uL		94
5) Benzaldehyde	5.110	105	1140980	119.15	ug/mL		100
6) bis(2-Chloroethyl)ether	5.728	63	2613471	176.48	ng/uL		98
8) 2-Chlorophenol	5.798	128	3974976	179.92	ng/uL		99
9) Phenol	5.557	94	4681321	172.40	ng/uL		98
10) Aniline	5.451	93	4946786	161.28	ng/uL		93
12) 1,3-Dichlorobenzene	6.234	146	4463000	179.78	ng/uL		94
13) 1,4-Dichlorobenzene	6.428	146	4543163	177.67	ng/uL		89
15) 1,2-Dichlorobenzene	6.751	146	4230121	171.53	ng/uL		97
16) Benzyl Alcohol	6.769	79	3641556	182.29	ng/uL		98
17) bis(2-chloroisopropyl)...	7.063	121	1561202	173.03	ng/uL		97
18) 2-Methylphenol	7.051	108	6980602	171.28	ng/uL		100
19) Acetophenone	7.234	105	5664312	173.88	ng/uL		97
20) n-Nitroso-di-n-propyla...	7.281	70	3155589	177.77	ng/uL		98
21) Hexachloroethane	7.357	117	1717670	168.28	ng/uL		98
22) 3+4-Methylphenol	7.345	108	8604835	172.81	ng/uL		99
25) Nitrobenzene	7.492	77	4851676	189.70	ng/uL		99
26) Isophorone	7.898	82	8424460	182.35	ng/uL		99
27) 2-Nitrophenol	8.010	139	2671688	206.82	ng/uL		98
28) Benzoic Acid	8.398	105	1683467m	126.95	ng/uL		
29) 2,4-Dimethylphenol	8.169	107	4601523	188.30	ng/uL#		63
30) bis(2-Chloroethoxy)met...	8.298	93	5493629	182.53	ng/uL		99
31) 2,4-Dichlorophenol	8.416	162	3858360	189.50	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.528	180	4131551	182.61	ng/uL		99
33) Naphthalene	8.633	128	14123071	166.28	ng/uL#		58
34) 4-Chloroaniline	8.763	127	6091205	180.97	ng/uL		99
35) Hexachlorobutadiene	8.881	225	2290832	186.46	ng/uL		99
36) Caprolactam	9.328	113	1910809m	212.57	ug/mL		
37) 4-Chloro-3-methylphenol	9.616	107	4627552	200.28	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002893.D
 Acq On : 9 Oct 2012 3:38 pm
 Operator : IBM
 Sample : CVJ0074-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

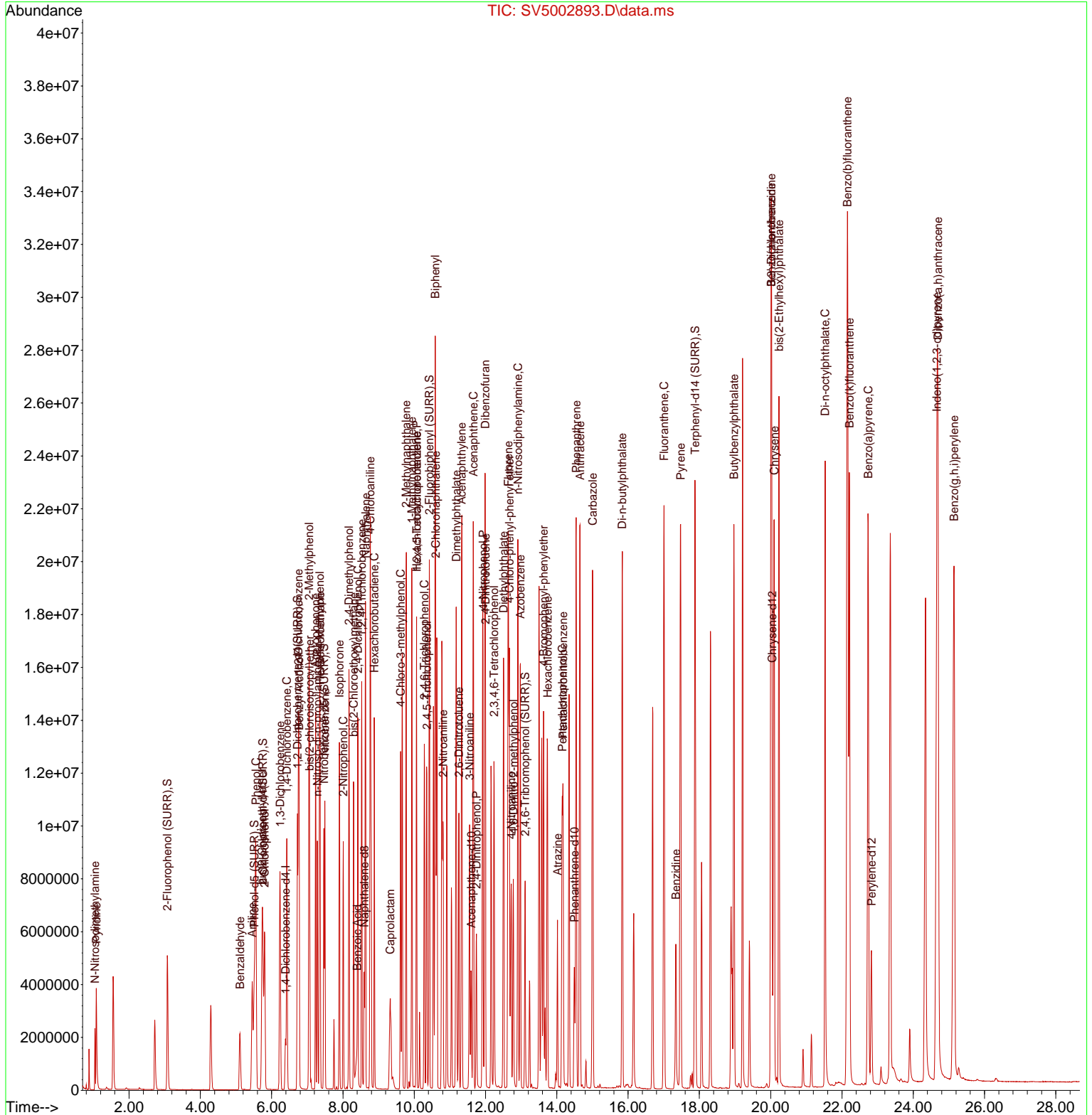
Quant Time: Oct 09 16:11:43 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:44:10 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.775	142	17326410	177.77	ng/uL#	51
39) 1-Methylnaphthalene	9.933	142	16381167	178.42	ng/uL#	57
40) 1,2,4,5-Tetrachloroben...	10.063	216	4313361	184.31	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	916824	132.48	ng/uL	97
43) 2,4,6-Trichlorophenol	10.280	196	3074887	200.09	ng/uL	99
44) 2,4,5-Trichlorophenol	10.351	196	3176524	202.53	ng/uL	99
46) Biphenyl	10.586	154	14871246	165.09	ng/uL#	52
47) 2-Chloronaphthalene	10.604	162	8547173	159.52	ng/uL	99
48) Dimethylphthalate	11.175	163	10276091	178.89	ng/uL	99
49) Acenaphthylene	11.327	152	16932073	174.54	ng/uL	99
50) 2,6-Dinitrotoluene	11.257	165	2807991	207.19	ng/uL	96
51) 2-Nitroaniline	10.804	65	3817601	199.69	ng/uL	96
52) Acenaphthene	11.657	153	14016240	178.16	ng/uL#	60
53) 2,4-Dinitrophenol	11.745	184	1676853	344.50	ng/uL	96
54) Dibenzofuran	11.986	168	12790957	171.67	ng/uL	94
55) 4-Nitrophenol	11.927	65	2159123	236.40	ng/uL	81
56) 3-Nitroaniline	11.551	138	3321822	208.24	ng/uL	98
57) 2,4-Dinitrotoluene	11.998	165	3514121	209.36	ng/uL	83
58) Fluorene	12.639	166	21619516	180.77	ng/uL#	69
59) 2,3,4,6-Tetrachlorophenol	12.239	232	2970640	220.35	ng/uL	95
60) Diethylphthalate	12.504	149	11014070	192.30	ng/uL	99
61) 4-Chloro-phenyl-phenyl...	12.669	204	5575284	181.27	ng/uL	98
63) 4-Nitroaniline	12.721	138	3382938	211.83	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.780	198	2351442	283.54	ng/uL	86
65) n-Nitrosodiphenylamine	12.910	169	16244482	182.21	ng/uL#	55
66) Azobenzene	12.980	77	11063757	180.08	ng/uL	97
68) 4-Bromophenyl-phenylether	13.627	248	3276994	181.35	ng/uL	95
69) Hexachlorobenzene	13.739	284	3647242	178.95	ng/uL	99
70) Atrazine	14.015	200	1320741	105.32	ug/mL	95
71) Pentachloronitrobenzene	14.174	237	1359626	204.27	ng/uL	93
72) Pentachlorophenol	14.151	266	2882230	258.83	ng/uL	95
73) Phenanthrene	14.545	178	18101988	173.60	ng/uL	96
74) Anthracene	14.651	178	17932586	177.41	ng/uL	97
75) Carbazole	15.004	167	19793659	183.86	ng/uL#	34
76) Di-n-butylphthalate	15.833	149	16639365	166.76	ng/uL	99
77) Fluoranthene	17.009	202	21158079	184.44	ng/uL	93
78) Benzidine	17.339	184	5352268	146.92	ng/uL	99
80) Pyrene	17.474	202	22132672	191.46	ng/uL	95
82) Butylbenzylphthalate	18.968	149	9387573	219.21	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.015	252	7257811	203.01	ng/uL	98
84) Benzo(a)anthracene	20.015	228	19469137	187.09	ng/uL	99
85) Chrysene	20.097	228	19214690	191.27	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.233	149	12425102	215.10	ng/uL	97
88) Di-n-octylphthalate	21.527	149	18834990	185.52	ng/uL	100
89) Benzo(b)fluoranthene	22.150	252	22683972	186.83	ng/uL	97
90) Benzo(k)fluoranthene	22.209	252	19128079	166.73	ng/uL	96
91) Benzo(a)pyrene	22.738	252	21633960	185.42	ng/uL	98
92) Indeno(1,2,3-cd)pyrene	24.662	276	30512722	192.28	ng/uL	75
93) Dibenzo(a,h)anthracene	24.691	278	29054037	197.43	ng/uL	97
94) Benzo(g,h,i)perylene	25.144	276	27681021	207.91	ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002893.D
 Acq On : 9 Oct 2012 3:38 pm
 Operator : IBM
 Sample : CVJ0074-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 16:11:43 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:44:10 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002894.D
 Acq On : 9 Oct 2012 4:11 pm
 Operator : IBM
 Sample : CVJ0074-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 16:37:48 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 16:16:01 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.386	152	634065	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.598	136	2635444	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.598	164	1849714	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.492	188	3339445	40.00	ng/uL	0.00	
79) Chrysene-d12	20.039	240	3245507	40.00	ng/uL	0.01	
87) Perylene-d12	22.827	264	3827272	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.081	112	3776463	231.91	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 154.61%
7) Phenol-d5 (SURR)	5.516	99	5007856	223.84	ng/uL	0.02	
Spiked Amount	150.000						Recovery = 149.23%
11) 2-Chlorophenol-d4 (SURR)	5.757	132	4409729	229.97	ng/uL	0.02	
Spiked Amount	150.000						Recovery = 153.31%
14) 1,2 Dichlorobenzene-d4...	6.722	152	3500829	205.39	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 205.39%
24) Nitrobenzene-d5 (SURR)	7.463	82	4987140	241.21	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 241.21%
45) 2-Fluorobiphenyl (SURR)	10.422	172	14909455	219.85	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 219.85%
67) 2,4,6-Tribromophenol (...)	13.110	330	1851450	257.91	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 171.94%
81) Terphenyl-d14 (SURR)	17.880	244	17232274	248.52	ng/uL	0.01	
Spiked Amount	100.000						Recovery = 248.52%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	1116764	220.02	ng/uL		99
3) Pyridine	1.081	79	2659066	221.03	ng/uL		95
5) Benzaldehyde	5.110	105	1090871	135.18	ug/mL		99
6) bis(2-Chloroethyl)ether	5.734	63	2829135	219.09	ng/uL		97
8) 2-Chlorophenol	5.804	128	4380129	226.98	ng/uL		87
9) Phenol	5.557	94	5119726	216.68	ng/uL		98
10) Aniline	5.457	93	5398304	203.40	ng/uL		98
12) 1,3-Dichlorobenzene	6.234	146	4878079	224.98	ng/uL		94
13) 1,4-Dichlorobenzene	6.428	146	4980999	223.26	ng/uL		93
15) 1,2-Dichlorobenzene	6.751	146	4611504	214.99	ng/uL		98
16) Benzyl Alcohol	6.769	79	3988042	228.28	ng/uL		98
17) bis(2-chloroisopropyl)...	7.063	121	1668116	212.39	ng/uL		95
18) 2-Methylphenol	7.051	108	7675694	216.55	ng/uL		100
19) Acetophenone	7.233	105	6171615	217.55	ng/uL		96
20) n-Nitroso-di-n-propyla...	7.281	70	3459284	223.34	ng/uL		98
21) Hexachloroethane	7.357	117	1869986	210.98	ng/uL		97
22) 3+4-Methylphenol	7.345	108	9300473	214.61	ng/uL		100
25) Nitrobenzene	7.492	77	5241633	237.05	ng/uL		99
26) Isophorone	7.898	82	9109677	228.92	ng/uL		99
27) 2-Nitrophenol	8.010	139	2940266	261.02	ng/uL		99
28) Benzoic Acid	8.404	105	1632092	137.50	ng/uL		95
29) 2,4-Dimethylphenol	8.175	107	5029523	238.22	ng/uL#		64
30) bis(2-Chloroethoxy)met...	8.304	93	5971161	230.31	ng/uL		99
31) 2,4-Dichlorophenol	8.416	162	4215324	239.49	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.528	180	4489199	230.32	ng/uL		98
33) Naphthalene	8.633	128	14731836	203.01	ng/uL#		58
34) 4-Chloroaniline	8.769	127	6617809	228.41	ng/uL		100
35) Hexachlorobutadiene	8.880	225	2500851	235.83	ng/uL		99
36) Caprolactam	9.333	113	2090223m	265.90	ug/mL		
37) 4-Chloro-3-methylphenol	9.622	107	5063776	252.16	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002894.D
 Acq On : 9 Oct 2012 4:11 pm
 Operator : IBM
 Sample : CVJ0074-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

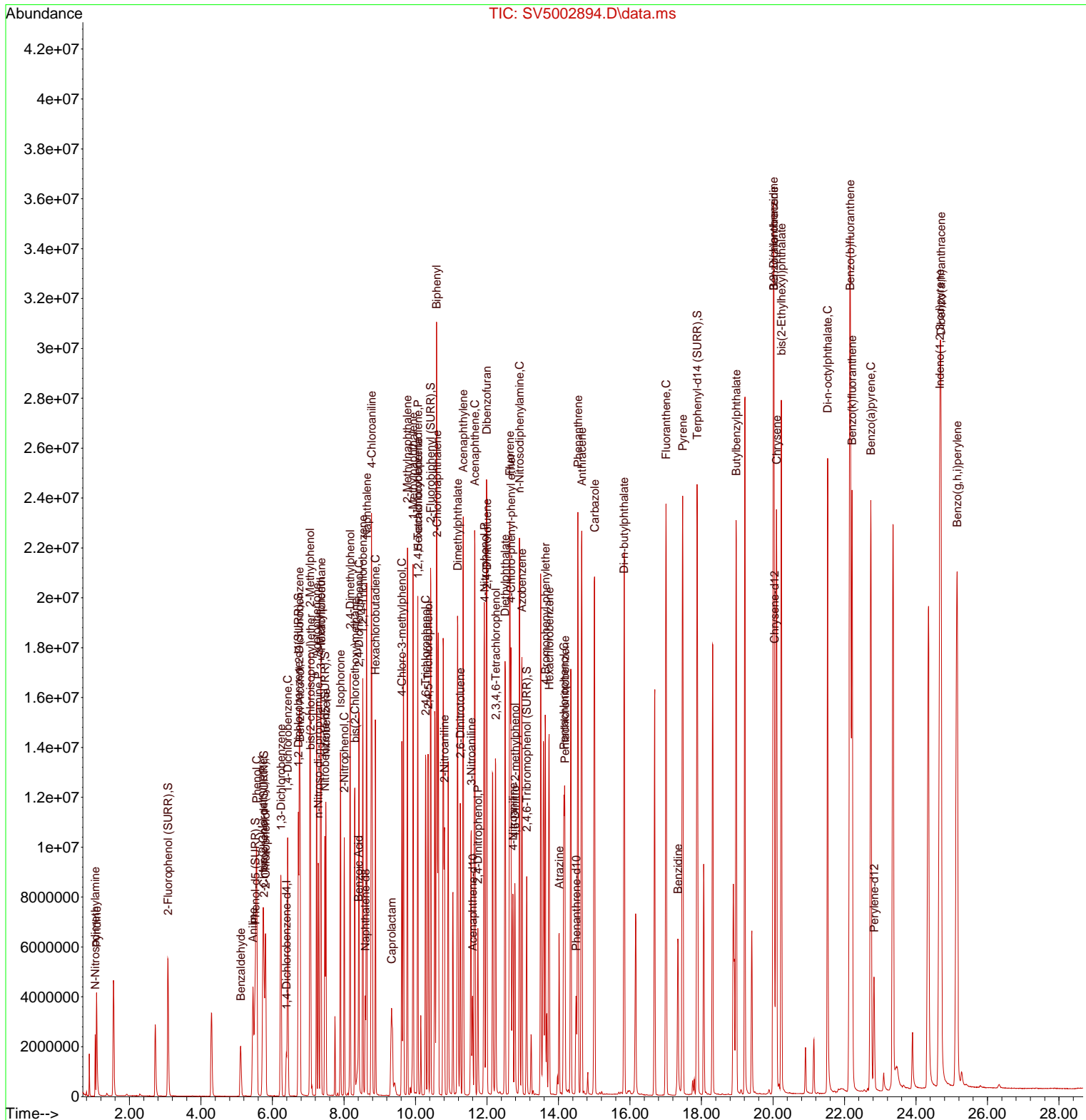
Quant Time: Oct 09 16:37:48 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 16:16:01 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.774	142	18681464	223.04	ng/uL#	51
39) 1-Methylnaphthalene	9.933	142	17755077	224.96	ng/uL#	57
40) 1,2,4,5-Tetrachloroben...	10.069	216	4611284	228.52	ng/uL	99
42) Hexachlorocyclopentadiene	10.063	237	1245241	212.59	ng/uL	99
43) 2,4,6-Trichlorophenol	10.286	196	3349735	247.86	ng/uL	98
44) 2,4,5-Trichlorophenol	10.351	196	3471955	251.42	ng/uL	99
46) Biphenyl	10.586	154	15937905	204.78	ng/uL#	52
47) 2-Chloronaphthalene	10.604	162	10028976	217.25	ng/uL	97
48) Dimethylphthalate	11.174	163	11070633	221.50	ng/uL	99
49) Acenaphthylene	11.333	152	18035964	214.15	ng/uL	99
50) 2,6-Dinitrotoluene	11.257	165	3075881	257.17	ng/uL	97
51) 2-Nitroaniline	10.810	65	4182744	248.84	ng/uL	95
52) Acenaphthene	11.657	153	15118550	220.95	ng/uL#	60
53) 2,4-Dinitrophenol	11.745	184	1866651	399.97	ng/uL	98
54) Dibenzofuran	11.986	168	13766250	213.12	ng/uL	93
55) 4-Nitrophenol	11.927	65	2414094	295.20	ng/uL	88
56) 3-Nitroaniline	11.557	138	3648665	259.04	ng/uL	95
57) 2,4-Dinitrotoluene	11.998	165	3836654	258.72	ng/uL	87
58) Fluorene	12.639	166	23298339	223.68	ng/uL#	69
59) 2,3,4,6-Tetrachlorophenol	12.245	232	3261013	272.30	ng/uL	96
60) Diethylphthalate	12.504	149	12026048	239.70	ng/uL	99
61) 4-Chloro-phenyl-phenyl...	12.668	204	6077776	226.84	ng/uL	98
63) 4-Nitroaniline	12.727	138	3726124	264.51	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.780	198	2634453	346.20	ng/uL	98
65) n-Nitrosodiphenylamine	12.910	169	17651151	227.81	ng/uL#	55
66) Azobenzene	12.980	77	12031196	225.57	ng/uL	95
68) 4-Bromophenyl-phenylether	13.633	248	3592451	228.85	ng/uL	93
69) Hexachlorobenzene	13.739	284	3987904	225.52	ng/uL	98
70) Atrazine	14.021	200	1330819	127.04	ug/mL	97
71) Pentachloronitrobenzene	14.180	237	1485660	253.94	ng/uL	87
72) Pentachlorophenol	14.151	266	3177938	315.15	ng/uL	96
73) Phenanthrene	14.545	178	19371056	214.69	ng/uL	97
74) Anthracene	14.651	178	19282829	220.04	ng/uL	97
75) Carbazole	15.009	167	21327354	227.76	ng/uL#	35
76) Di-n-butylphthalate	15.833	149	17505125	203.45	ng/uL	99
77) Fluoranthene	17.009	202	22481698	225.25	ng/uL	90
78) Benzidine	17.339	184	6336770	204.40	ng/uL	98
80) Pyrene	17.474	202	23421090	234.20	ng/uL	90
82) Butylbenzylphthalate	18.968	149	10145608	270.09	ng/uL	97
83) 3,3'-Dichlorobenzidine	20.015	252	7790975	250.45	ng/uL	98
84) Benzo(a)anthracene	20.021	228	20788574	231.43	ng/uL	99
85) Chrysene	20.097	228	20971619	241.33	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.233	149	13574526	268.45	ng/uL	97
88) Di-n-octylphthalate	21.527	149	19681173	219.59	ng/uL	100
89) Benzo(b)fluoranthene	22.156	252	23781761	221.73	ng/uL	96
90) Benzo(k)fluoranthene	22.215	252	21662783	215.93	ng/uL	95
91) Benzo(a)pyrene	22.738	252	23761250	230.70	ng/uL	97
92) Indeno(1,2,3-cd)pyrene	24.668	276	33567508	238.80	ng/uL	71
93) Dibenzo(a,h)anthracene	24.697	278	31891703	244.02	ng/uL	97
94) Benzo(g,h,i)perylene	25.150	276	31066284	261.37	ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002894.D
 Acq On : 9 Oct 2012 4:11 pm
 Operator : IBM
 Sample : CVJ0074-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 16:37:48 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 16:16:01 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002895.D
 Acq On : 9 Oct 2012 4:45 pm
 Operator : IBM
 Sample : CVJ0074-CALC
 Misc :
 ALS Vial : 14 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 17:19:08 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:01:21 2012
 Response via : Initial Calibration

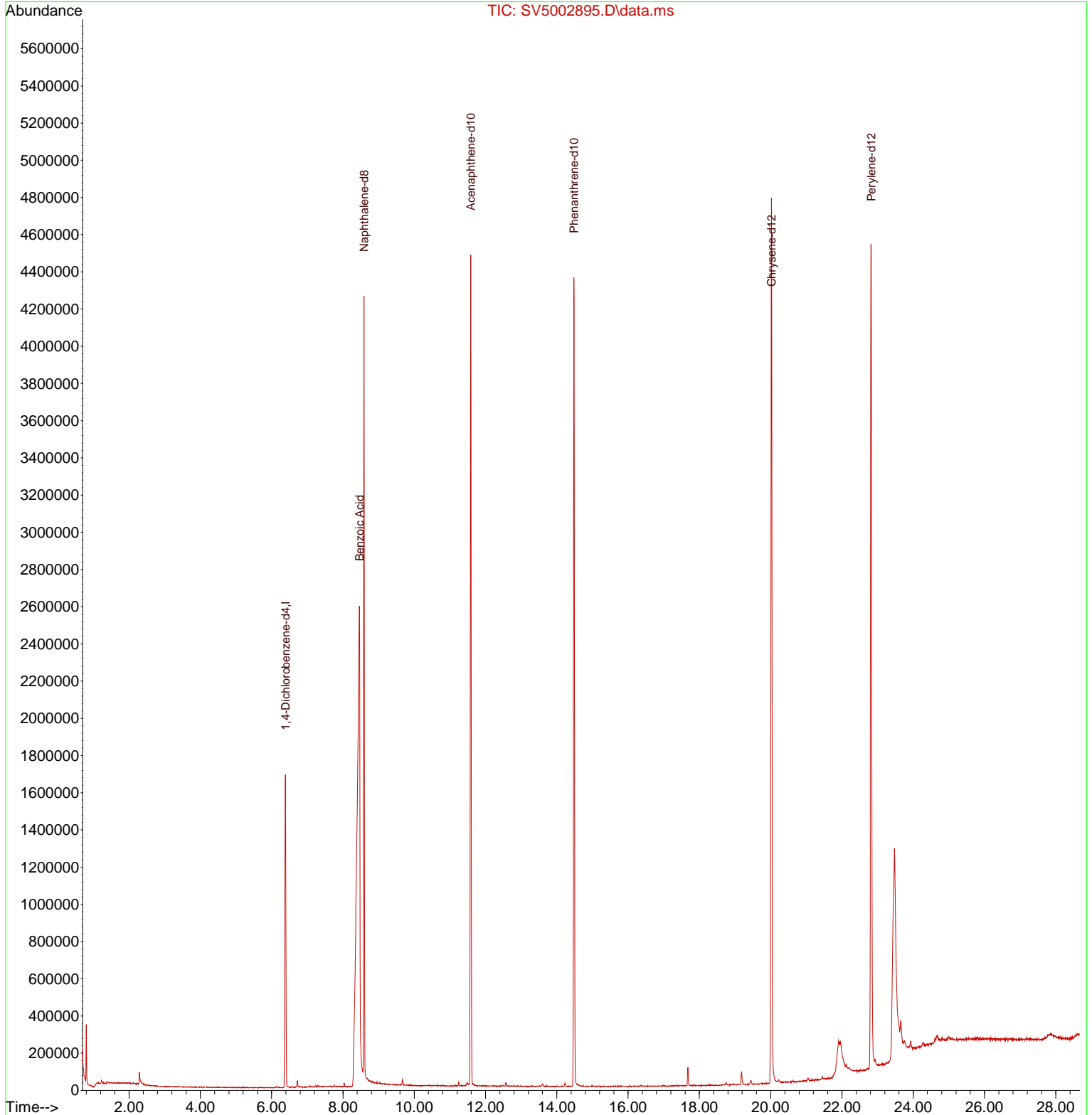
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.386	152	630843	40.00	ng/uL	0.00
23) Naphthalene-d8	8.592	136	2827320	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.586	164	1963446	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.480	188	3487290	40.00	ng/uL	0.00
79) Chrysene-d12	20.021	240	3812792	40.00	ng/uL	0.00
87) Perylene-d12	22.821	264	4075599	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	0.000	112	0	0.00	ng/uL	
Spiked Amount	150.000					
			Recovery	=	0.00%	
7) Phenol-d5 (SURR)	0.000	99	0	0.00	ng/uL	
Spiked Amount	150.000					
			Recovery	=	0.00%	
11) 2-Chlorophenol-d4(SURR)	0.000	132	0	0.00	ng/uL	
Spiked Amount	150.000					
			Recovery	=	0.00%	
14) 1,2 Dichlorobenzene-d4...	0.000	152	0d	0.00	ng/uL	
Spiked Amount	100.000					
			Recovery	=	0.00%	
24) Nitrobenzene-d5 (SURR)	0.000	82	0	0.00	ng/uL	
Spiked Amount	100.000					
			Recovery	=	0.00%	
45) 2-Fluorobiphenyl (SURR)	0.000	172	0	0.00	ng/uL	
Spiked Amount	100.000					
			Recovery	=	0.00%	
67) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/uL	
Spiked Amount	150.000					
			Recovery	=	0.00%	
81) Terphenyl-d14 (SURR)	0.000	244	0	0.00	ng/uL	
Spiked Amount	100.000					
			Recovery	=	0.00%	
Target Compounds						
28) Benzoic Acid	8.463	105	4060877	308.38	ng/uL	Qvalue 97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002895.D
 Acq On : 9 Oct 2012 4:45 pm
 Operator : IBM
 Sample : CVJ0074-CALC
 Misc :
 ALS Vial : 14 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 17:19:08 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:01:21 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002896.D
 Acq On : 9 Oct 2012 5:18 pm
 Operator : IBM
 Sample : CVJ0074-SCV1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:11:42 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.387	152	633647	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	2753833	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.586	164	1937826	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	3434135	40.00	ng/uL	0.00	
79) Chrysene-d12	20.027	240	3739390	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3767883	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	808407	50.01	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.34%
7) Phenol-d5 (SURR)	5.498	99	1110774	50.16	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.44%
11) 2-Chlorophenol-d4(SURR)	5.740	132	981669	51.61	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 34.41%
14) 1,2 Dichlorobenzene-d4...	6.722	152	821773	57.36	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 57.36%
24) Nitrobenzene-d5 (SURR)	7.457	82	1133263	52.62	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 52.62%
45) 2-Fluorobiphenyl (SURR)	10.416	172	3769090	53.64	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 53.64%
67) 2,4,6-Tribromophenol (...)	13.098	330	379584	51.27	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 34.18%
81) Terphenyl-d14 (SURR)	17.868	244	4147442	51.94	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 51.94%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	229711	45.79	ng/uL		97
3) Pyridine	1.087	79	533015	44.81	ng/uL		96
5) Benzaldehyde	5.110	105	59917	6.29	ug/mL		99
6) bis(2-Chloroethyl)ether	5.716	63	626011	49.06	ng/uL		99
8) 2-Chlorophenol	5.787	128	973328	50.90	ng/uL		89
9) Phenol	5.534	94	1171245	50.21	ng/uL		99
10) Aniline	5.446	93	1148370	44.04	ng/ul#		80
12) 1,3-Dichlorobenzene	6.234	146	1083579	50.47	ng/uL		100
13) 1,4-Dichlorobenzene	6.422	146	1123122	50.87	ng/uL		93
15) 1,2-Dichlorobenzene	6.751	146	1103274	52.13	ng/uL		100
16) Benzyl Alcohol	6.757	79	860368	49.67	ng/uL		92
17) bis(2-chloroisopropyl)...	7.063	121	379739	49.05	ng/uL		99
18) 2-Methylphenol	7.045	108	1778807	50.84	ng/uL		100
19) Acetophenone	7.228	105	1457781	52.04	ng/ul		98
20) n-Nitroso-di-n-propyla...	7.275	70	749105	48.87	ng/uL		95
21) Hexachloroethane	7.357	117	438223	50.19	ng/uL		99
22) 3+4-Methylphenol	7.334	108	4325395	101.18	ng/uL		100
25) Nitrobenzene	7.487	77	1189679	51.73	ng/uL		99
26) Isophorone	7.892	82	2083336	50.49	ng/uL		100
27) 2-Nitrophenol	8.004	139	607889	51.44	ng/uL		100
28) Benzoic Acid	8.345	105	658654	50.00	ng/uL		97
29) 2,4-Dimethylphenol	8.163	107	1152434	52.46	ng/uL		98
30) bis(2-Chloroethoxy)met...	8.292	93	1379671	51.29	ng/uL		100
31) 2,4-Dichlorophenol	8.410	162	967536	52.81	ng/uL		100
32) 1,2,4-Trichlorobenzene	8.522	180	1047435	51.80	ng/uL		100
33) Naphthalene	8.628	128	3999702	53.66	ng/uL		100
34) 4-Chloroaniline	8.757	127	1400544	46.63	ng/uL		99
35) Hexachlorobutadiene	8.881	225	576067	52.26	ng/uL		99
36) Caprolactam	9.286	113	416763	50.45	ug/mL#		40
37) 4-Chloro-3-methylphenol	9.604	107	1079532	51.40	ng/uL		97

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002896.D
 Acq On : 9 Oct 2012 5:18 pm
 Operator : IBM
 Sample : CVJ0074-SCV1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1
 InstName : SVOAMS5

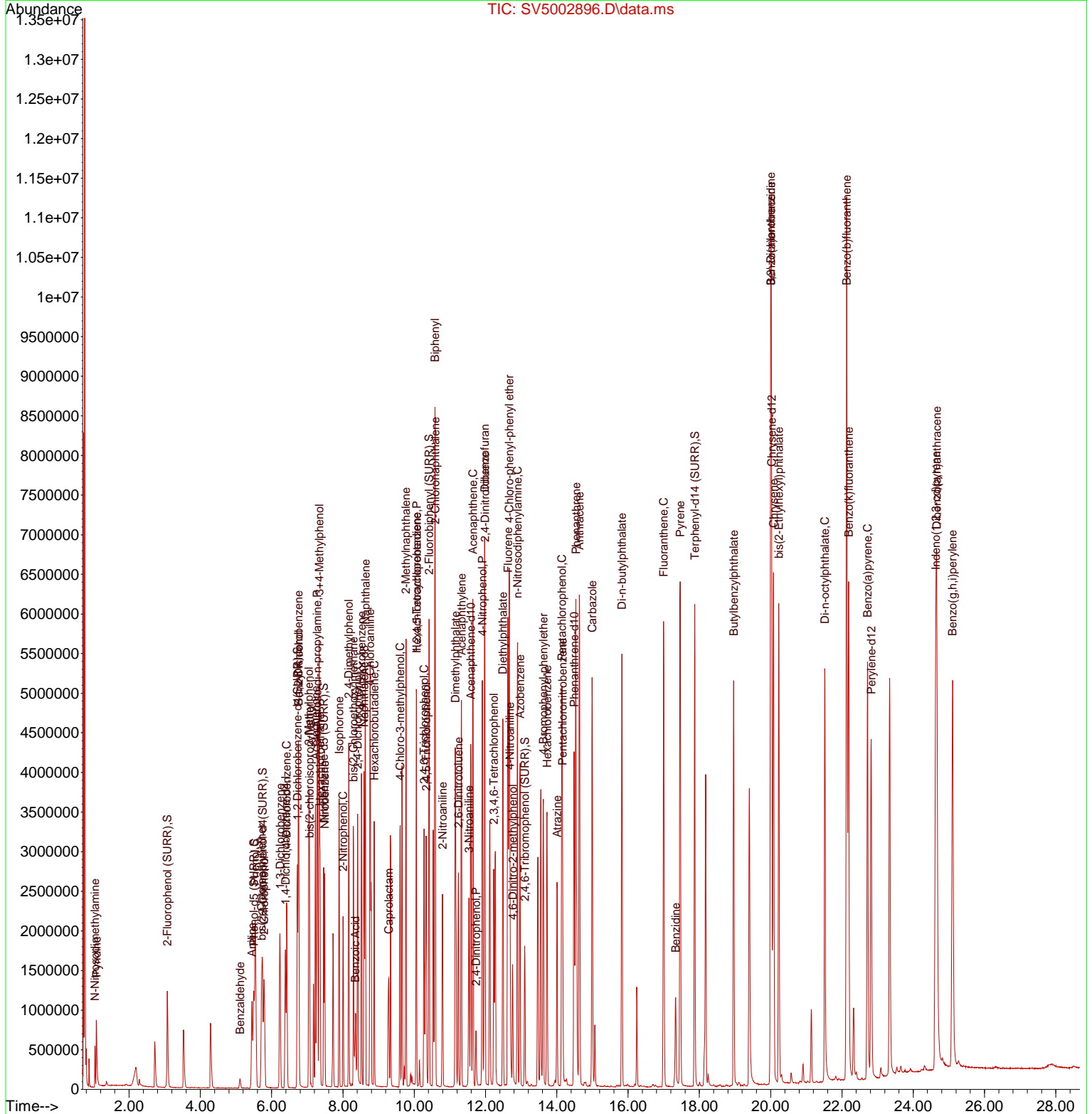
Quant Time: Oct 10 08:11:42 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.769	142	4490238	51.81	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	10.063	216	1122966	53.68	ng/uL	98
42) Hexachlorocyclopentadiene	10.063	237	304066	41.95	ng/uL	97
43) 2,4,6-Trichlorophenol	10.275	196	715002	50.54	ng/uL	98
44) 2,4,5-Trichlorophenol	10.333	196	780676	53.93	ng/uL	100
46) Biphenyl	10.580	154	4245894	52.94	ng/uL	91
47) 2-Chloronaphthalene	10.592	162	2325529	48.67	ng/uL	100
48) Dimethylphthalate	11.151	163	2681117	51.74	ng/uL	100
49) Acenaphthylene	11.322	152	4369820	50.18	ng/uL	100
50) 2,6-Dinitrotoluene	11.239	165	664698	52.91	ng/uL	96
51) 2-Nitroaniline	10.792	65	749304	42.57	ng/uL	96
52) Acenaphthene	11.645	153	3895250	54.92	ng/uL	97
53) 2,4-Dinitrophenol	11.733	184	200802	47.48	ng/uL	97
54) Dibenzofuran	11.974	168	3481487	52.15	ng/uL	100
55) 4-Nitrophenol	11.910	65	437946	49.05	ng/uL#	35
56) 3-Nitroaniline	11.533	138	727539	49.14	ng/uL	98
57) 2,4-Dinitrotoluene	11.980	165	831919	52.06	ng/uL	96
58) Fluorene	12.627	166	5959618	55.14	ng/uL	94
59) 2,3,4,6-Tetrachlorophenol	12.233	232	648914	50.05	ng/uL	94
60) Diethylphthalate	12.486	149	2734770	52.23	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.663	204	1449548	52.08	ng/uL	99
63) 4-Nitroaniline	12.686	138	775106	52.00	ng/uL	98
64) 4,6-Dinitro-2-methylph...	12.763	198	448049	51.07	ng/uL	85
65) n-Nitrosodiphenylamine	12.898	169	4173872	52.81	ng/uL	100
66) Azobenzene	12.969	77	2686825	49.42	ng/uL	97
68) 4-Bromophenyl-phenylether	13.621	248	839303	52.40	ng/uL	95
69) Hexachlorobenzene	13.727	284	930792	51.64	ng/uL	97
70) Atrazine	14.004	200	510758	43.40	ug/mL	98
71) Pentachloronitrobenzene	14.163	237	310576	51.54	ng/uL	99
72) Pentachlorophenol	14.139	266	531100	46.84	ng/uL	95
73) Phenanthrene	14.533	178	5143126	56.15	ng/uL	99
74) Anthracene	14.633	178	5115119	57.38	ng/uL	96
75) Carbazole	14.992	167	5029782	52.66	ng/uL	100
76) Di-n-butylphthalate	15.827	149	4745659	54.56	ng/uL	100
77) Fluoranthene	16.998	202	5442917	53.51	ng/uL	99
78) Benzidine	17.333	184	1096271	32.48	ng/uL	100
80) Pyrene	17.462	202	6276396	54.79	ng/uL	100
82) Butylbenzylphthalate	18.962	149	2137509	49.03	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.003	252	1802212	50.27	ng/uL	100
84) Benzo(a)anthracene	20.009	228	5526670	53.76	ng/uL	100
85) Chrysene	20.080	228	5400635	54.11	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	2985664	50.91	ng/uL	100
88) Di-n-octylphthalate	21.515	149	4975854	57.02	ng/uL	100
89) Benzo(b)fluoranthene	22.133	252	6055394	57.94	ng/uL	99
90) Benzo(k)fluoranthene	22.186	252	5562952	57.03	ng/uL	99
91) Benzo(a)pyrene	22.715	252	5192766	51.57	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.633	276	7356828	53.38	ng/uL	96
93) Dibenzo(a,h)anthracene	24.662	278	7229962	56.31	ng/uL	99
94) Benzo(g,h,i)perylene	25.103	276	6193629	52.71	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

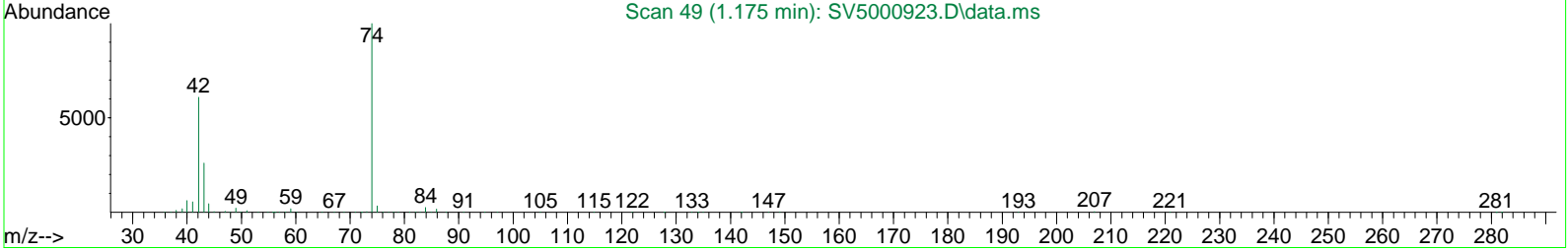
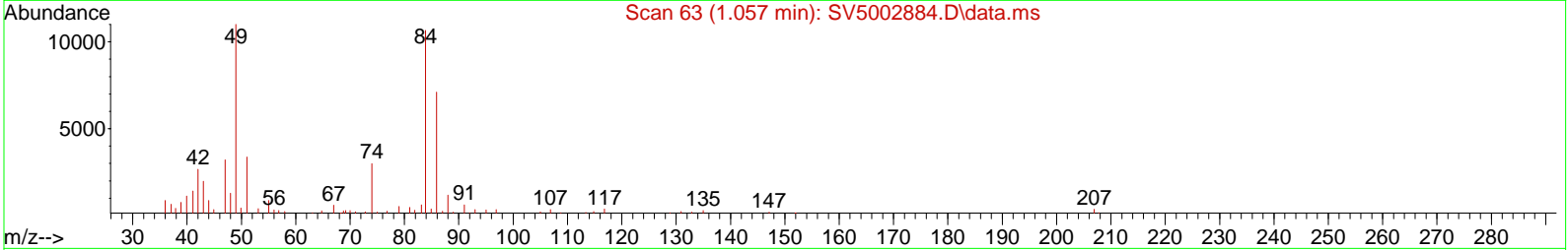
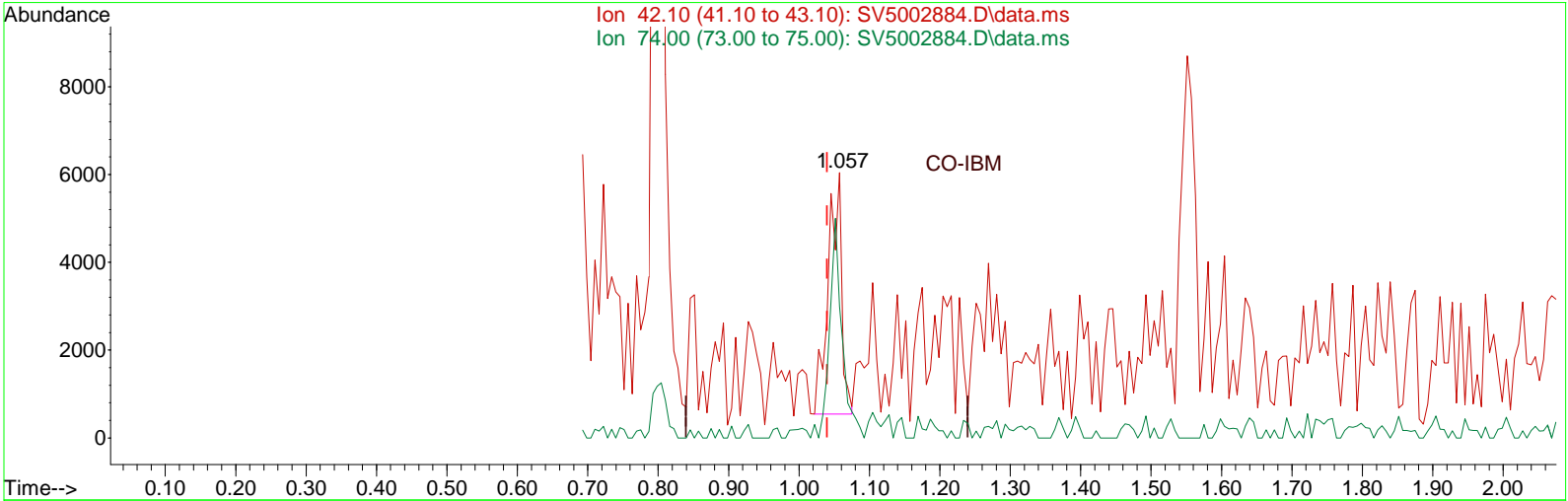
Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002896.D
 Acq On : 9 Oct 2012 5:18 pm
 Operator : IBM
 Sample : CVJ0074-SCV1
 Misc :
 ALS Vial : 15 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:11:42 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002884.D
 Acq On : 9 Oct 2012 10:40 am
 Operator : IBM
 Sample : CVJ0074-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:04:59 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:04:59 2012
 Response via : Initial Calibration



TIC: SV5002884.D\data.ms

(2) N-Nitrosodimethylamine

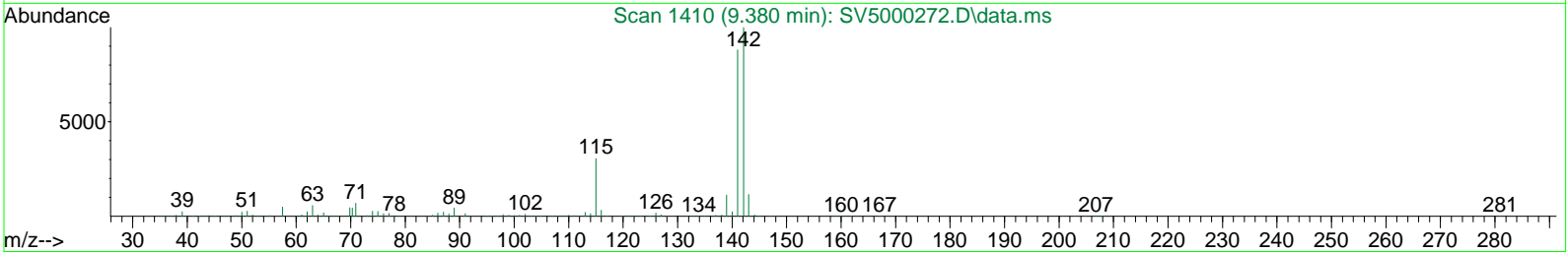
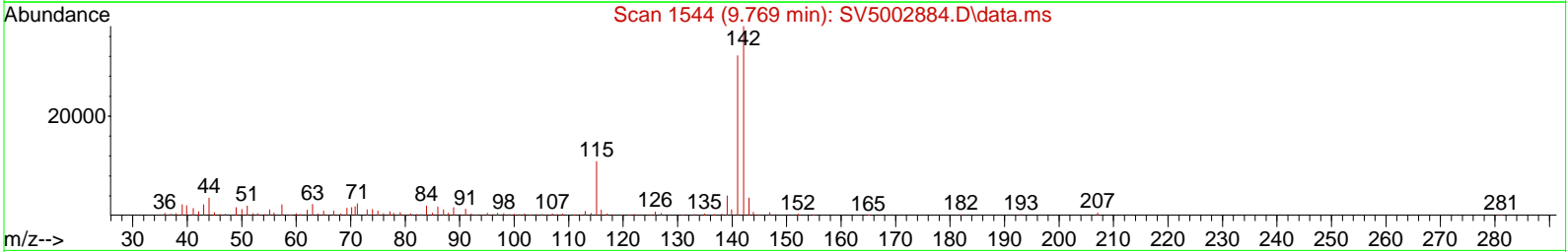
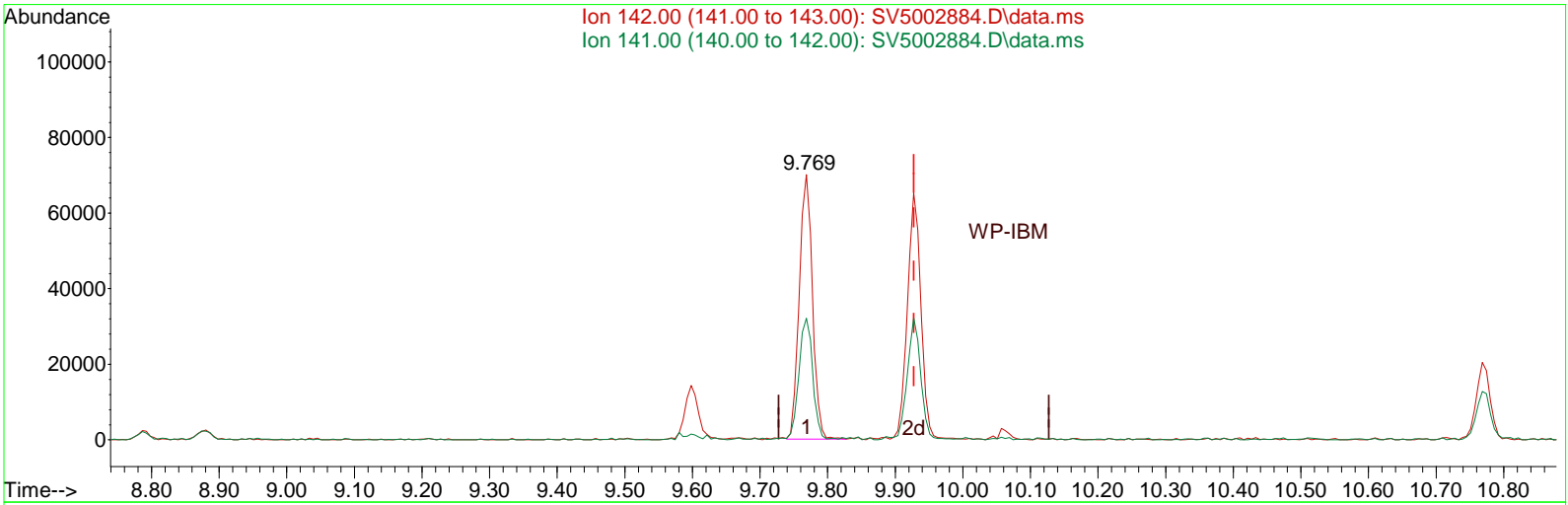
1.057min (+0.018) 1.45 ng/uL

response 7257

Ion	Exp%	Act%
42.10	100	100
74.00	78.70	52.96
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002884.D
 Acq On : 9 Oct 2012 10:40 am
 Operator : IBM
 Sample : CVJ0074-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:04:59 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:04:59 2012
 Response via : Initial Calibration



TIC: SV5002884.D\data.ms

(39) 1-Methylnaphthalene

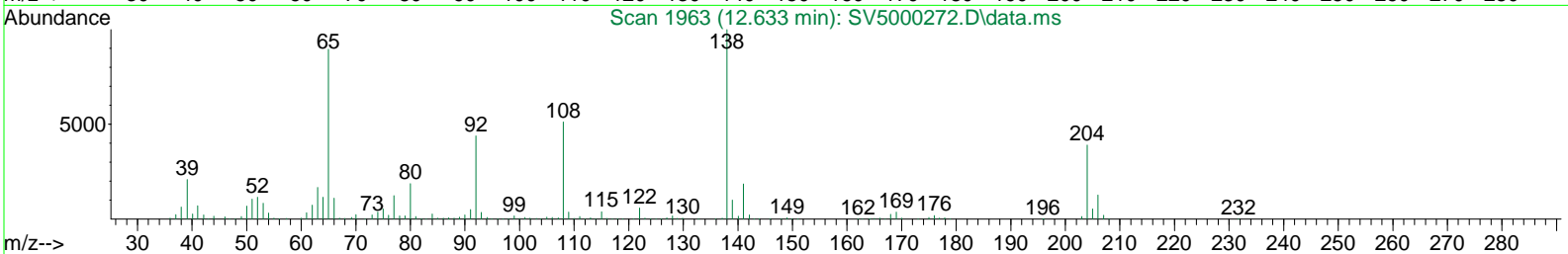
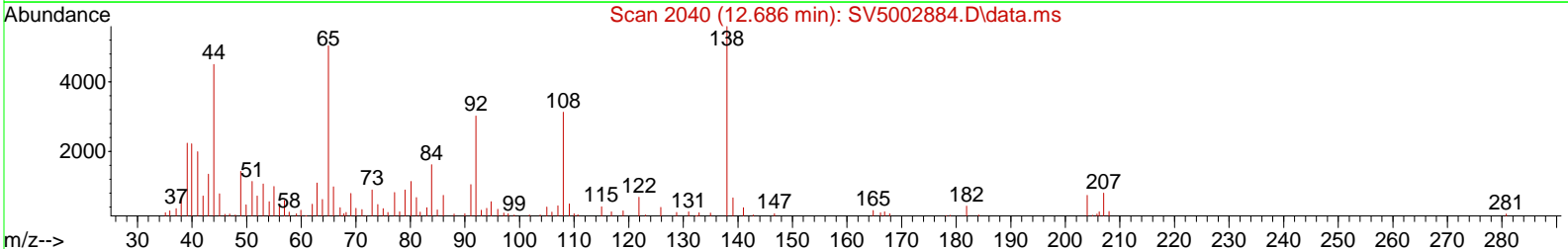
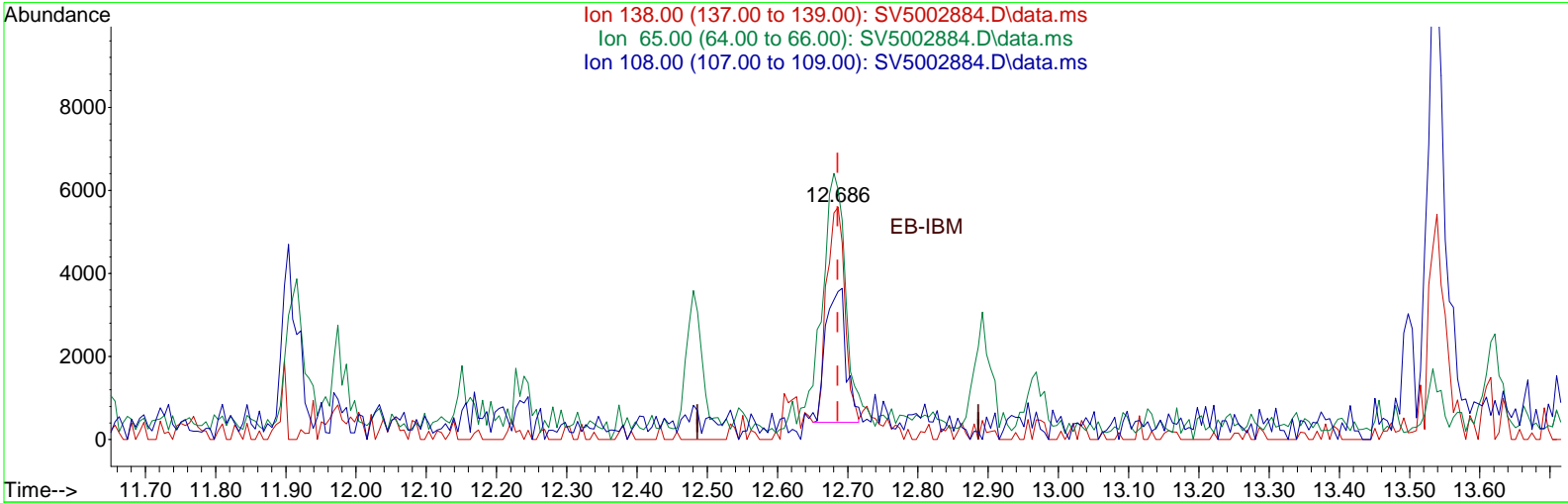
9.769min (-0.159) 1.04 ng/uL

response 94645

Ion	Exp%	Act%
142.00	100	100
141.00	48.50	45.80
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002884.D
 Acq On : 9 Oct 2012 10:40 am
 Operator : IBM
 Sample : CVJ0074-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:04:59 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:04:59 2012
 Response via : Initial Calibration



TIC: SV5002884.D\data.ms

(63) 4-Nitroaniline

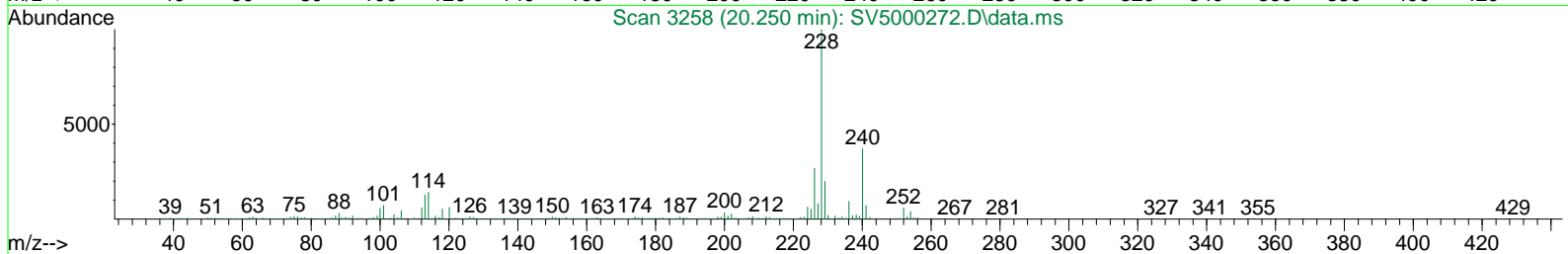
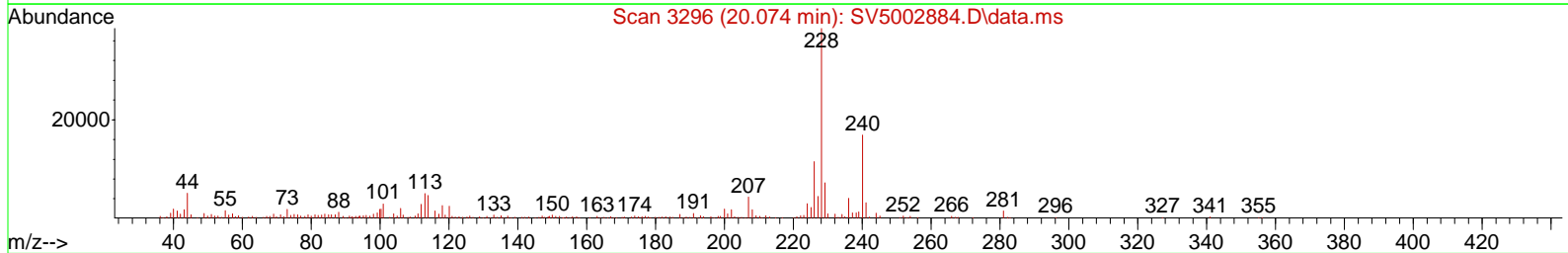
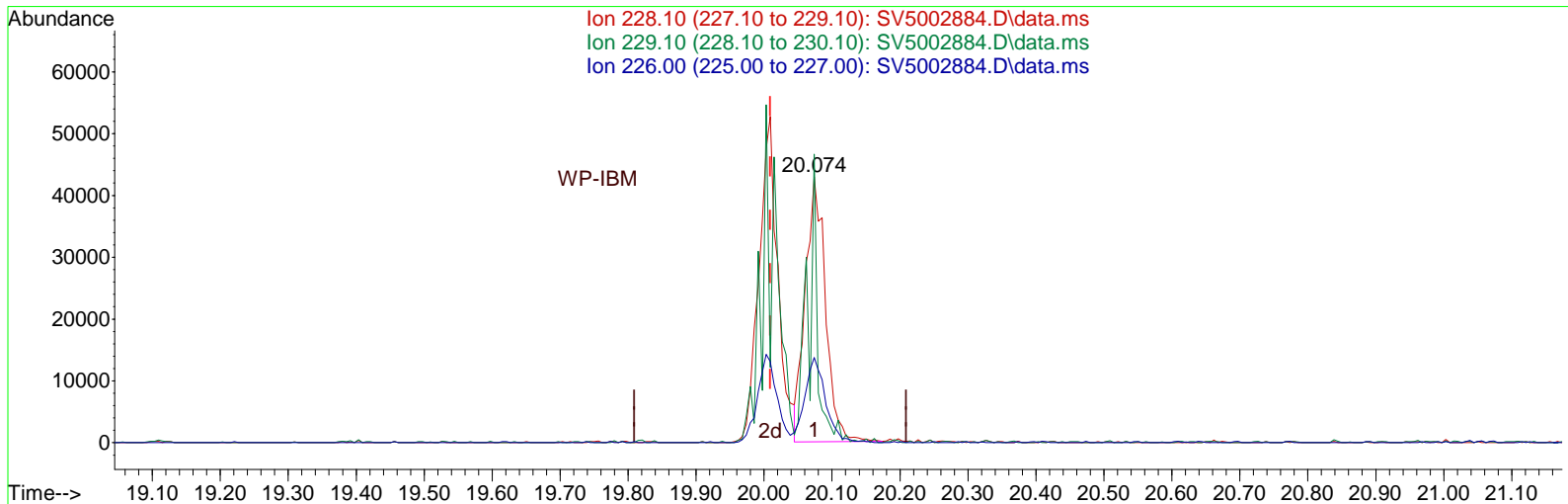
12.686min (+0.000) 0.59 ng/uL

response 9190

Ion	Exp%	Act%
138.00	100	100
65.00	108.40	107.58
108.00	54.90	63.69
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002884.D
 Acq On : 9 Oct 2012 10:40 am
 Operator : IBM
 Sample : CVJ0074-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:04:59 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:04:59 2012
 Response via : Initial Calibration



TIC: SV5002884.D\data.ms

(84) Benzo(a)anthracene

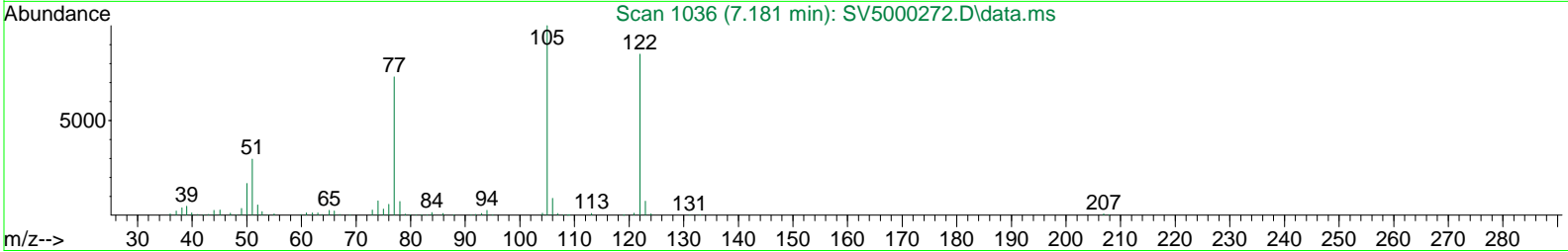
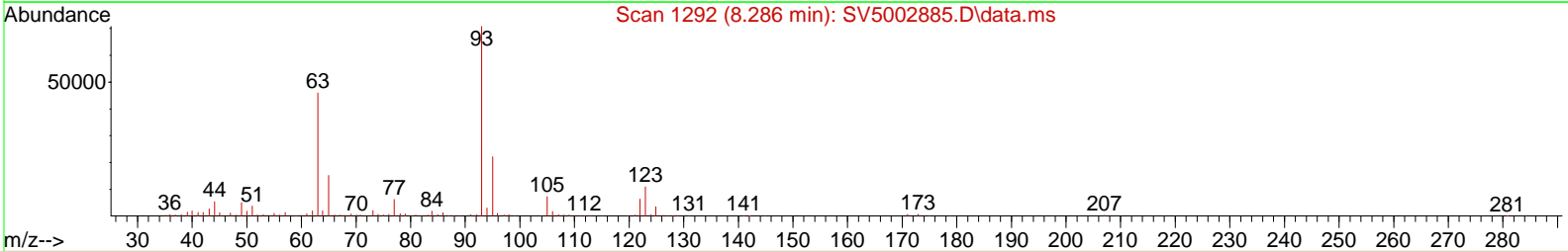
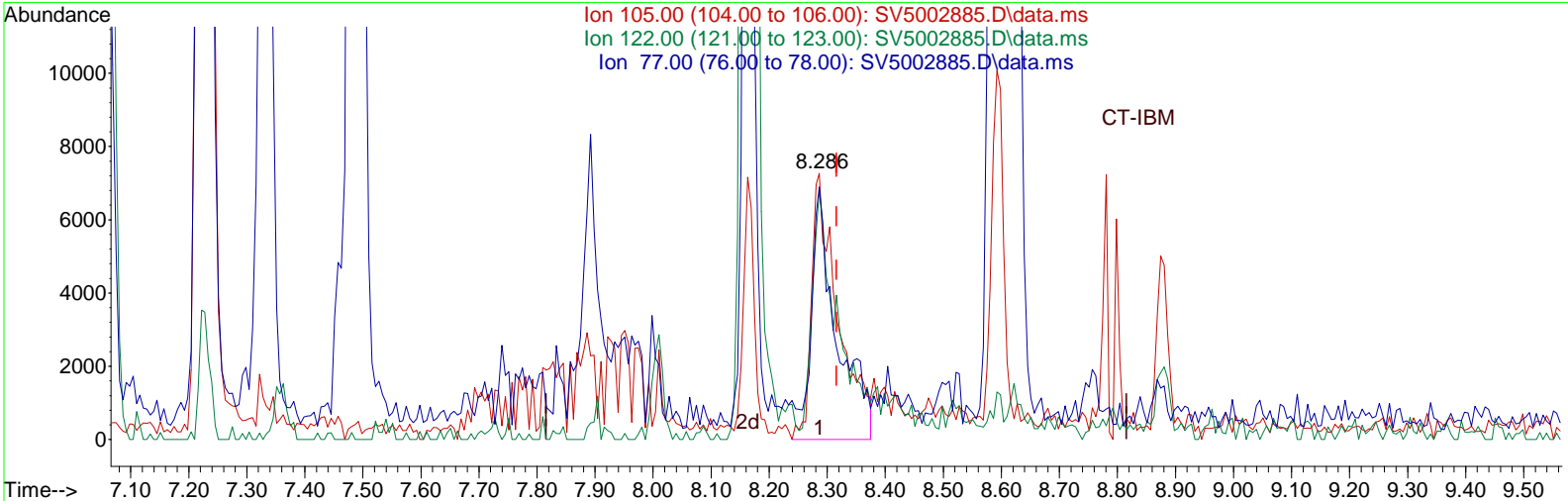
20.074min (+0.065) 0.90 ng/uL

response 88656

Ion	Exp%	Act%
228.10	100	100
229.10	95.00	92.94
226.00	25.70	27.49
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002885.D
 Acq On : 9 Oct 2012 11:13 am
 Operator : IBM
 Sample : CVJ0074-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:39:21 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:12:10 2012
 Response via : Initial Calibration



TIC: SV5002885.D\data.ms

(28) Benzoic Acid

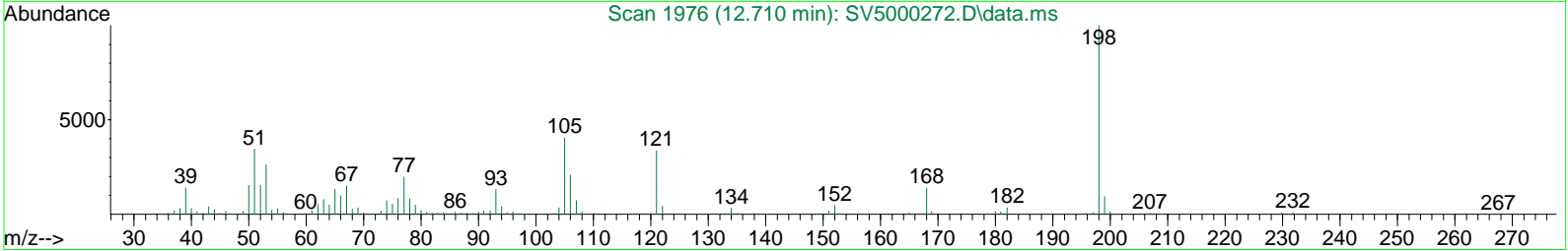
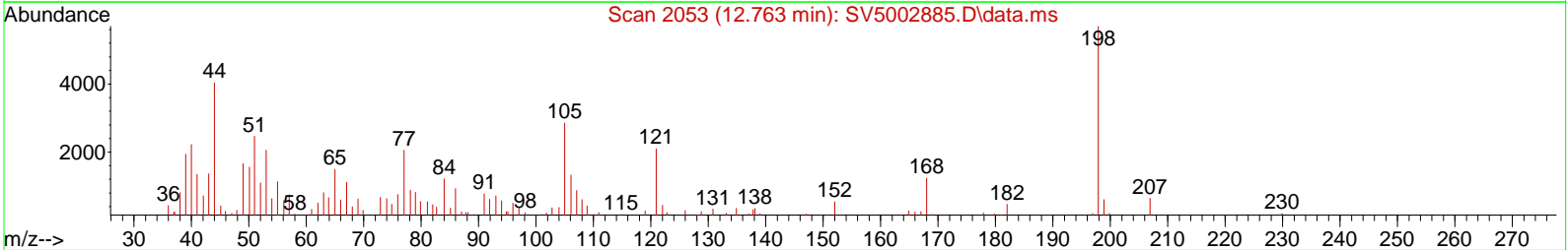
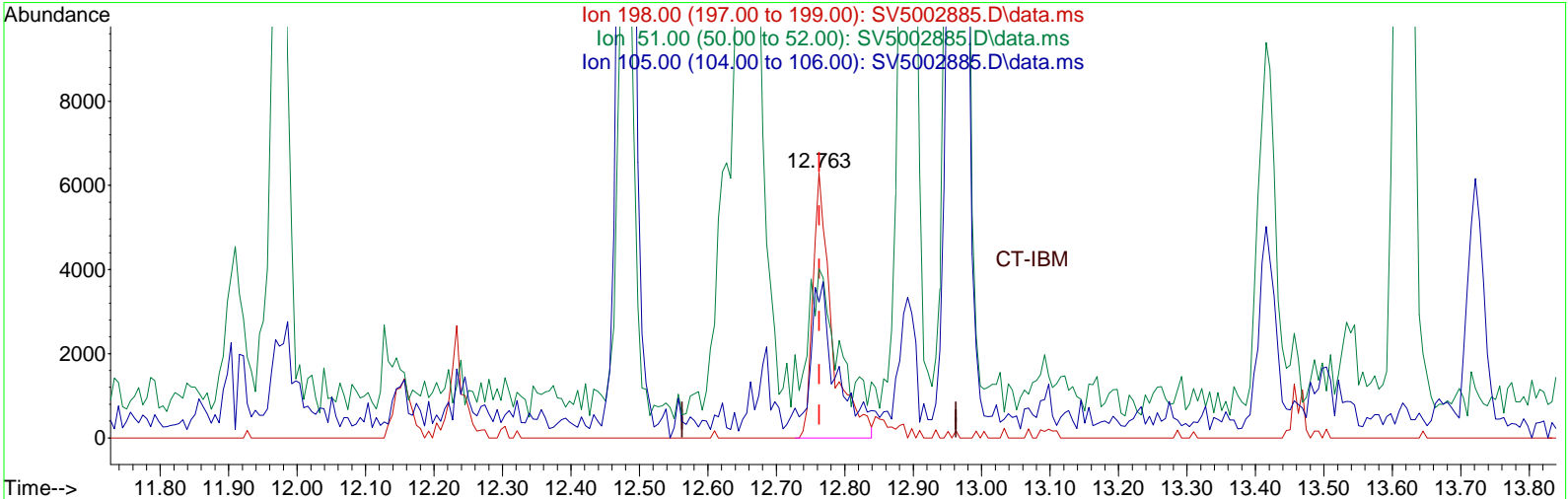
8.286min (-0.029) 1.55 ng/uL

response 23022

Ion	Exp%	Act%
105.00	100	100
122.00	84.00	197.14#
77.00	72.10	76.65
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002885.D
 Acq On : 9 Oct 2012 11:13 am
 Operator : IBM
 Sample : CVJ0074-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:39:21 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:12:10 2012
 Response via : Initial Calibration



TIC: SV5002885.D\data.ms

(64) 4,6-Dinitro-2-methylphenol

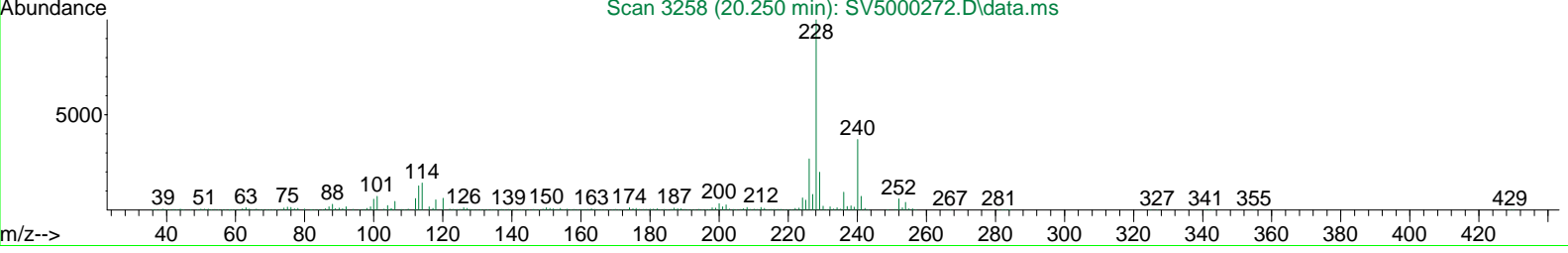
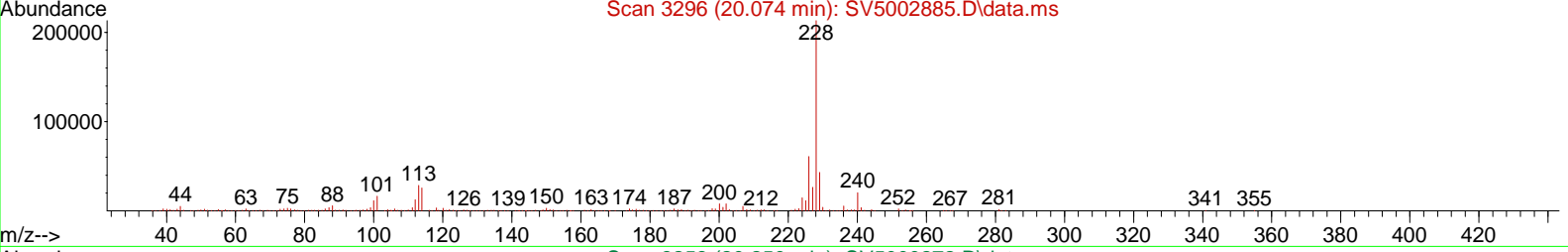
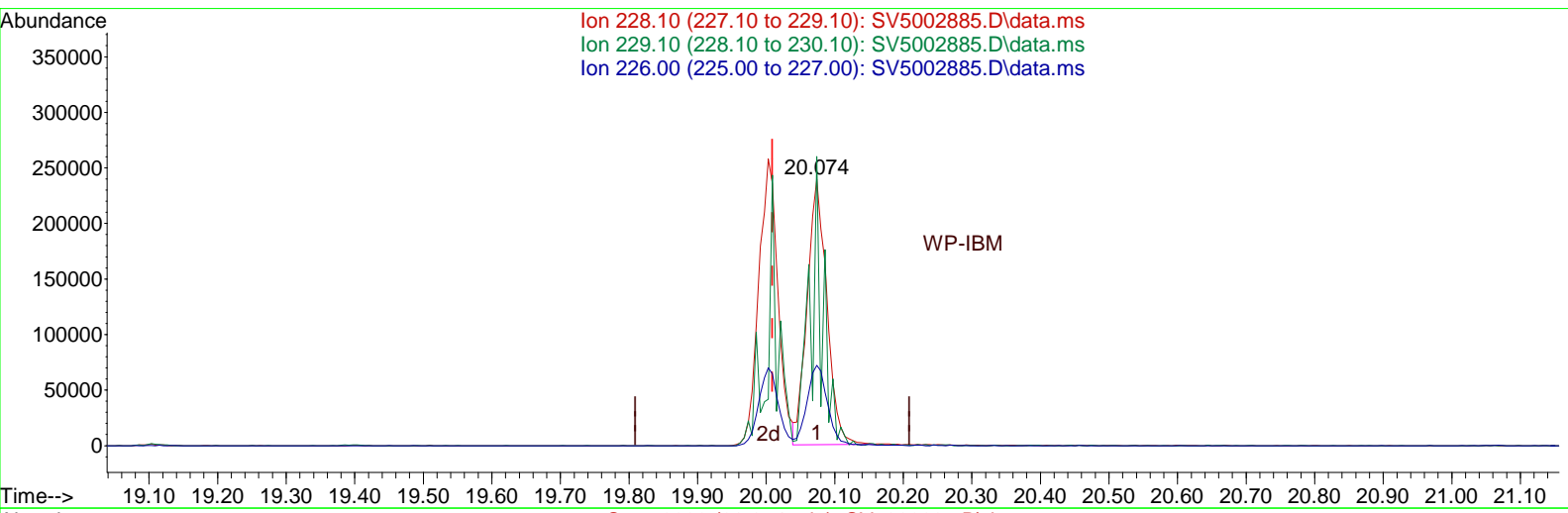
12.763min (+0.000) 1.38 ng/uL

response 12172

Ion	Exp%	Act%
198.00	100	100
51.00	66.90	81.01
105.00	61.00	51.17
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002885.D
 Acq On : 9 Oct 2012 11:13 am
 Operator : IBM
 Sample : CVJ0074-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 11:39:21 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:12:10 2012
 Response via : Initial Calibration



TIC: SV5002885.D\data.ms

(84) Benzo(a)anthracene

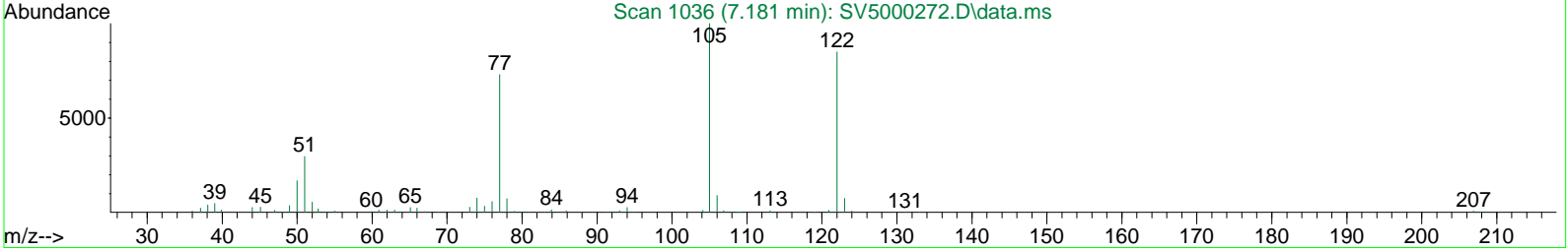
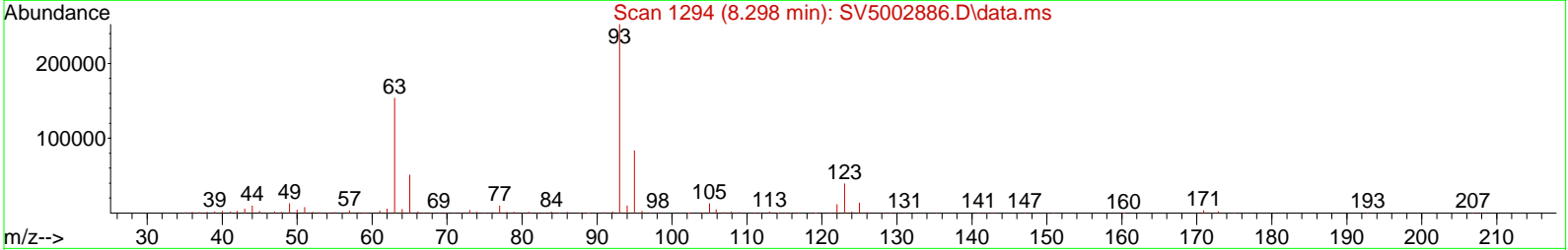
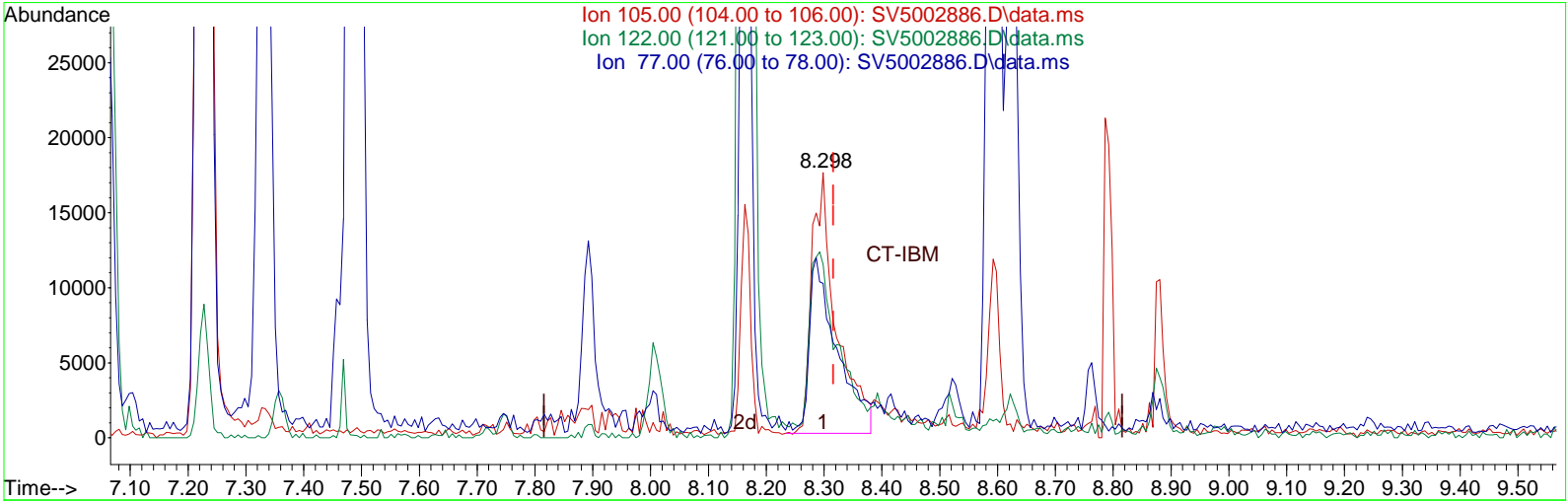
20.074min (+0.065) 4.49 ng/uL

response 475891

Ion	Exp%	Act%
228.10	100	100
229.10	95.00	92.01
226.00	25.70	25.57
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002886.D
 Acq On : 9 Oct 2012 11:46 am
 Operator : IBM
 Sample : CVJ0074-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 12:12:09 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:44:54 2012
 Response via : Initial Calibration



TIC: SV5002886.D\data.ms

(28) Benzoic Acid

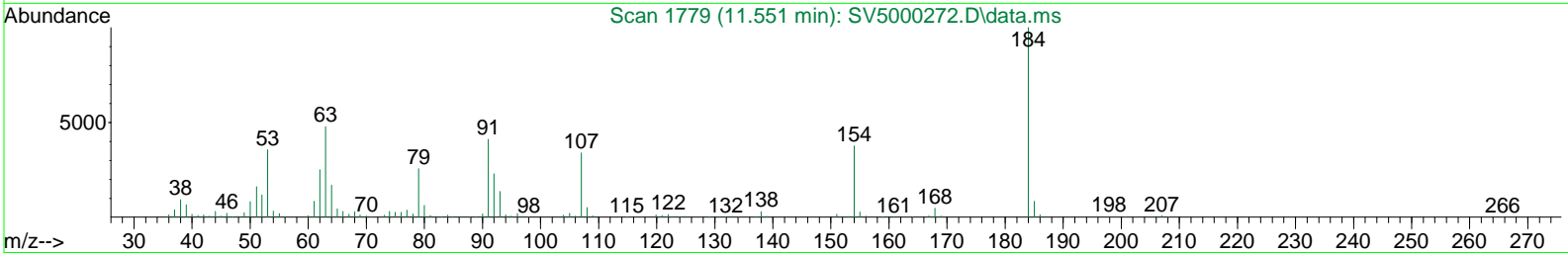
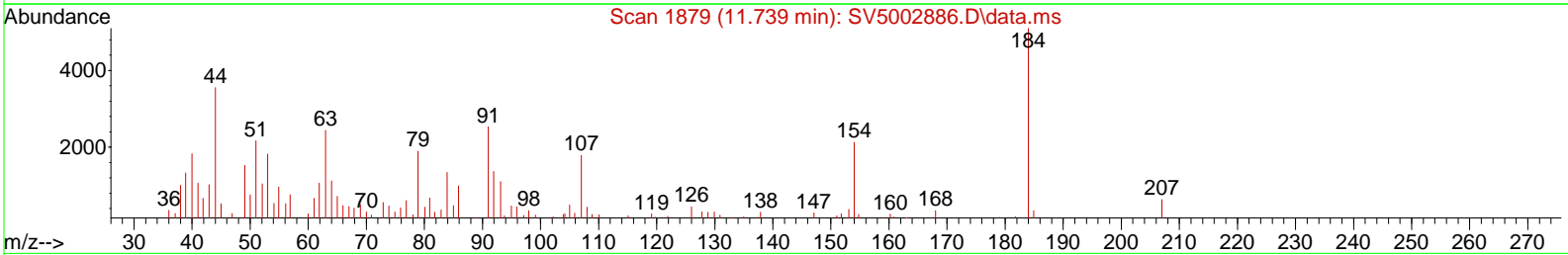
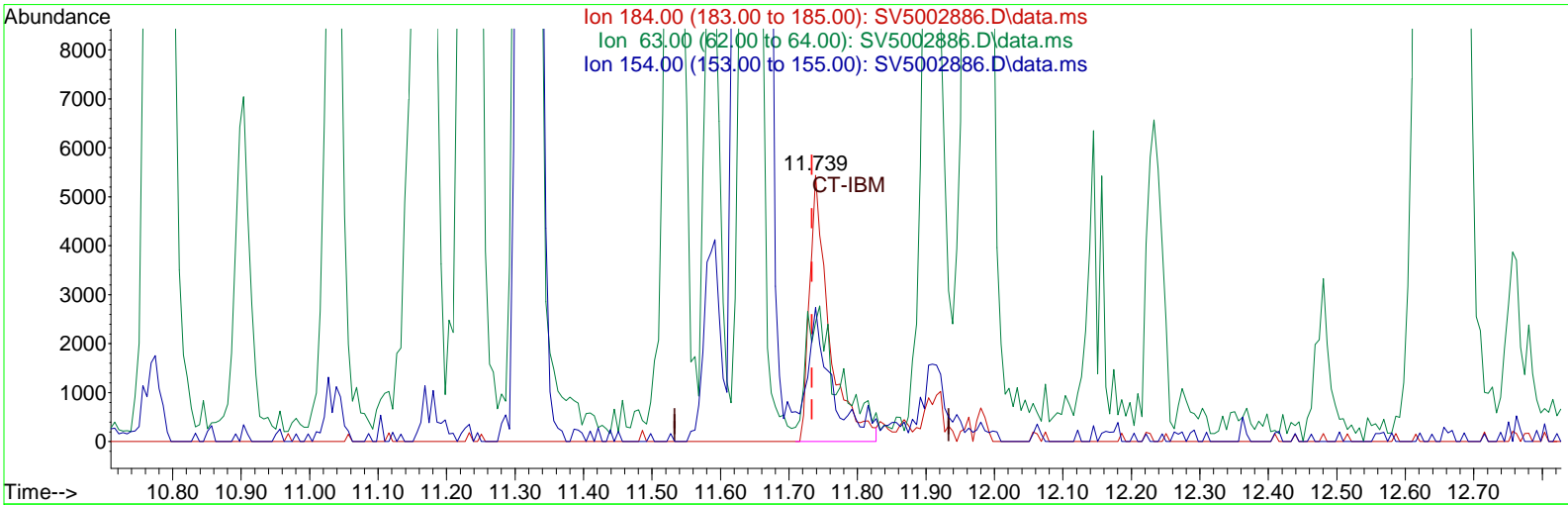
8.298min (-0.018) 3.82 ng/uL

response 50875

Ion	Exp%	Act%
105.00	100	100
122.00	84.00	287.67#
77.00	72.10	66.23
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002886.D
 Acq On : 9 Oct 2012 11:46 am
 Operator : IBM
 Sample : CVJ0074-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 12:12:09 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:44:54 2012
 Response via : Initial Calibration



TIC: SV5002886.D\data.ms

(53) 2,4-Dinitrophenol (P)

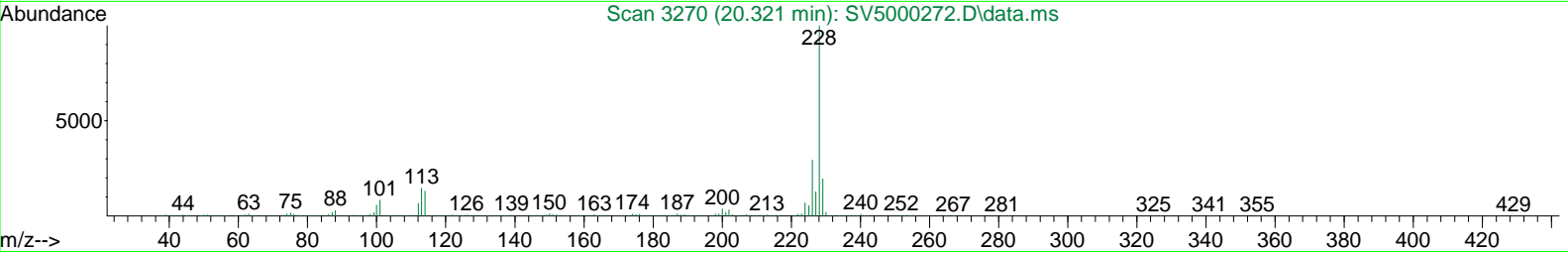
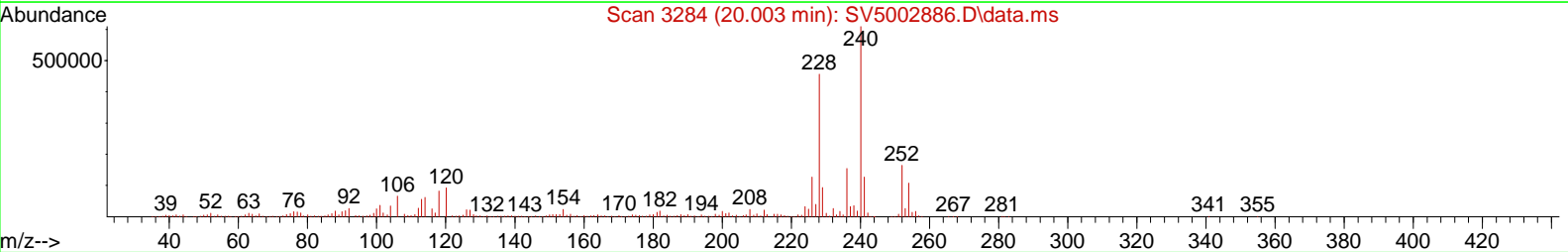
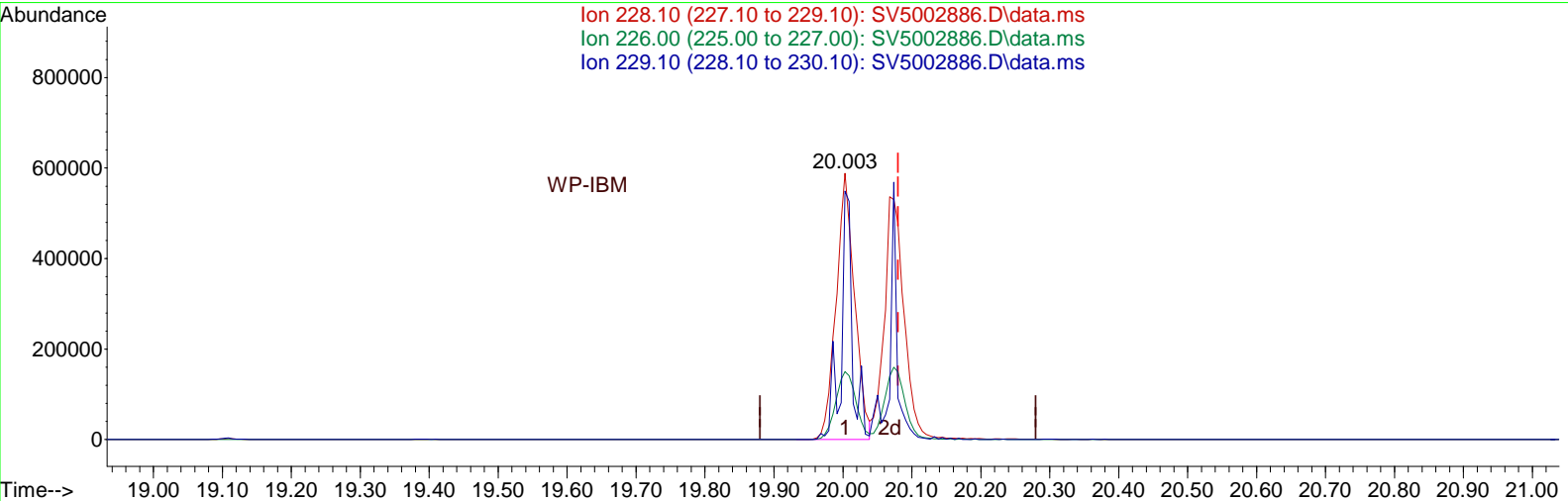
11.739min (+0.006) 2.15 ng/uL

response 10953

Ion	Exp%	Act%
184.00	100	100
63.00	94.40	65.29
154.00	40.30	50.40
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002886.D
 Acq On : 9 Oct 2012 11:46 am
 Operator : IBM
 Sample : CVJ0074-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 12:12:09 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 11:44:54 2012
 Response via : Initial Calibration



TIC: SV5002886.D\data.ms

(85) Chrysene

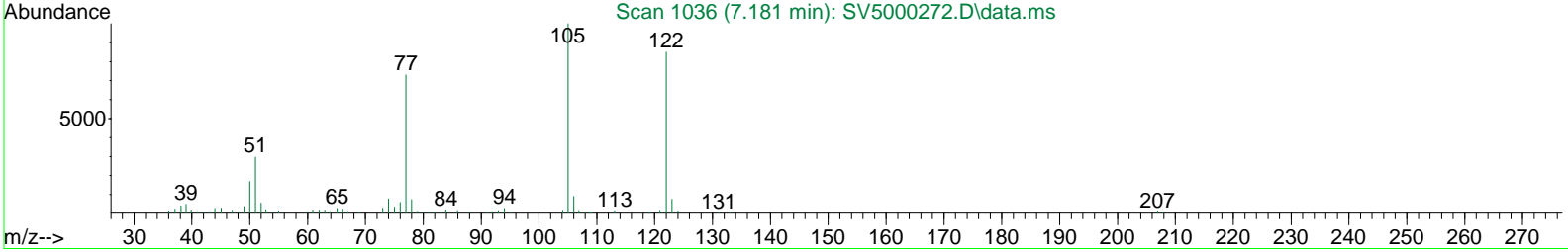
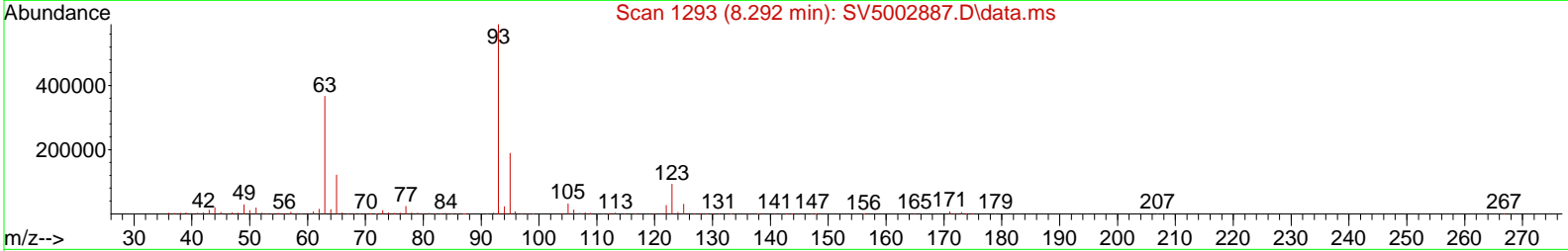
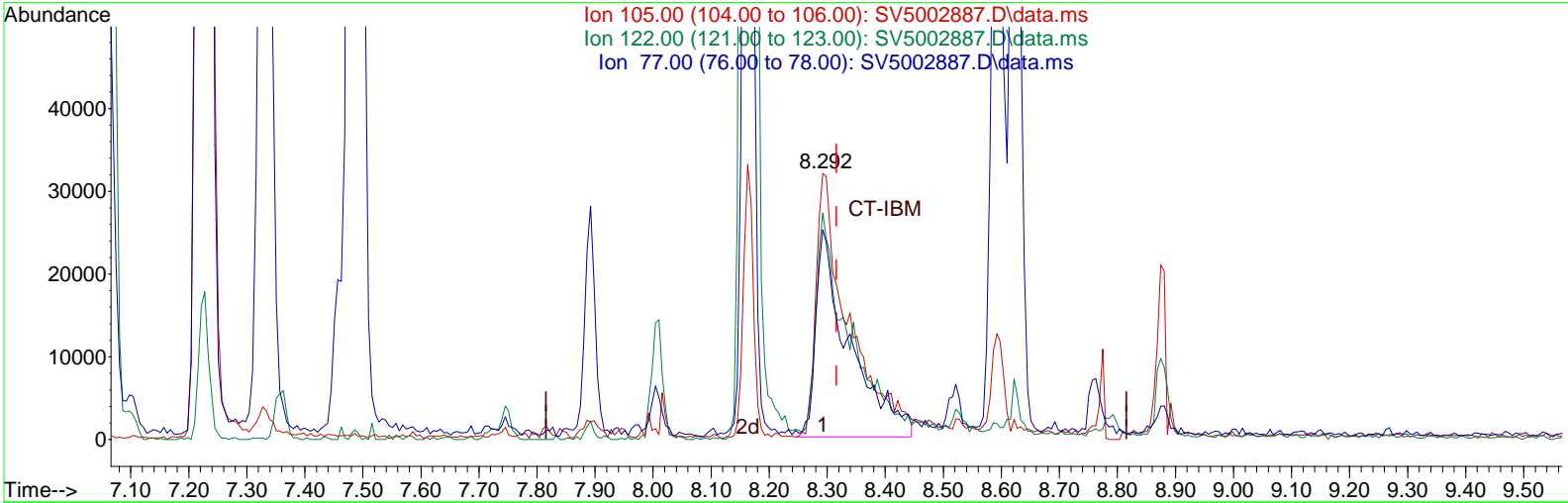
20.003min (-0.076) 10.62 ng/uL

response 1092749

Ion	Exp%	Act%
228.10	100	100
226.00	26.40	25.55
229.10	91.90	95.16
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002887.D
 Acq On : 9 Oct 2012 12:19 pm
 Operator : IBM
 Sample : CVJ0074-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 13:21:46 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 12:17:33 2012
 Response via : Initial Calibration



TIC: SV5002887.D\data.ms

(28) Benzoic Acid

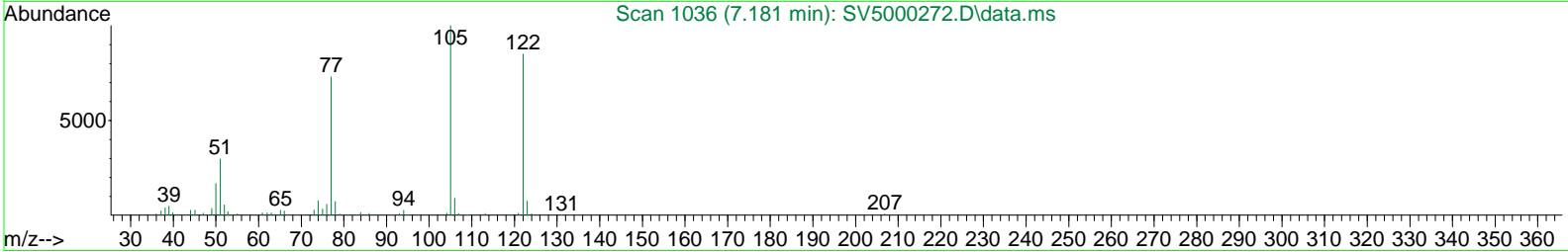
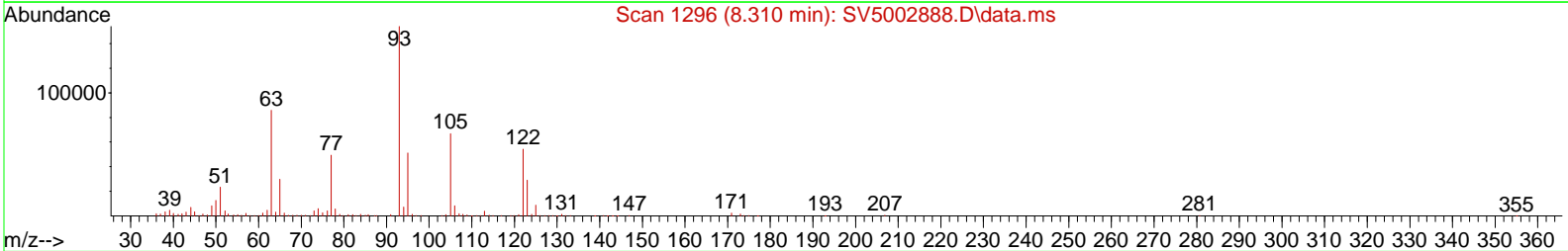
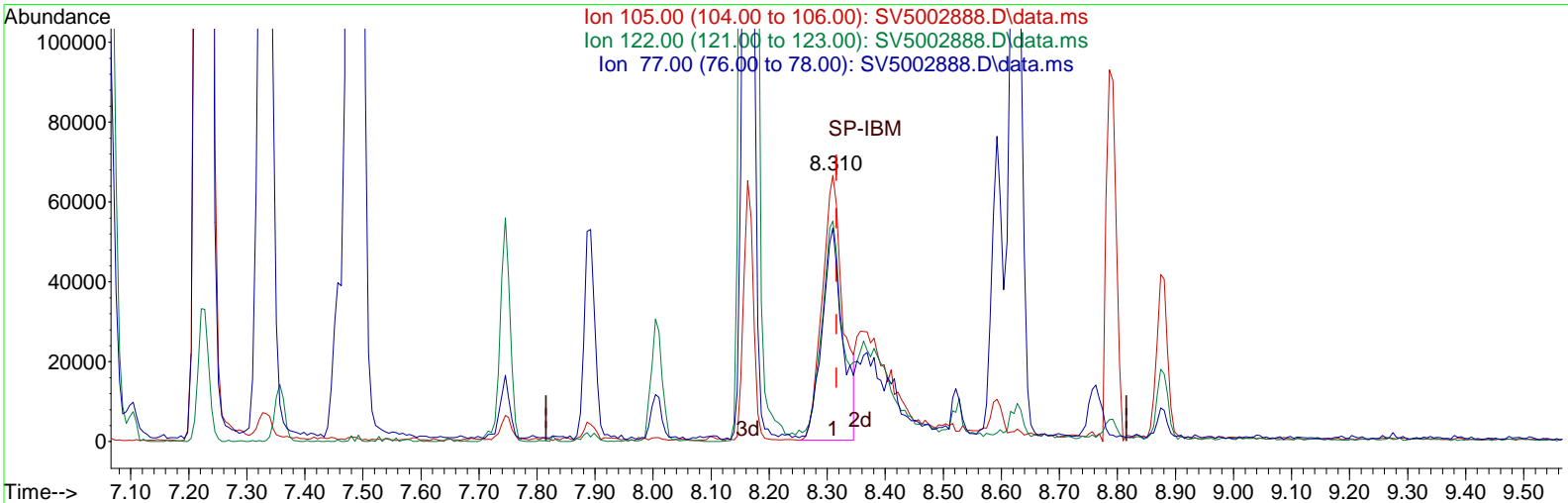
8.292min (-0.024) 9.00 ng/uL

response 124206

Ion	Exp%	Act%
105.00	100	100
122.00	84.00	269.84#
77.00	72.10	64.64
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002888.D
 Acq On : 9 Oct 2012 12:52 pm
 Operator : IBM
 Sample : CVJ0074-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 13:23:34 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:26:46 2012
 Response via : Initial Calibration



TIC: SV5002888.D\data.ms

(28) Benzoic Acid

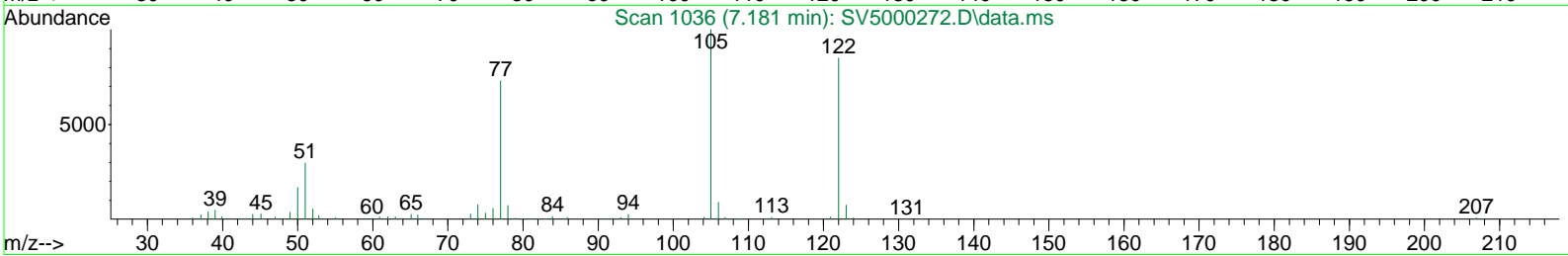
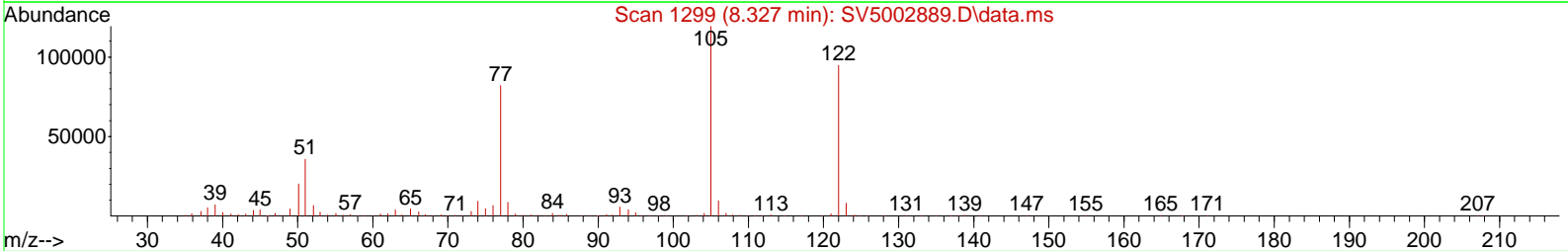
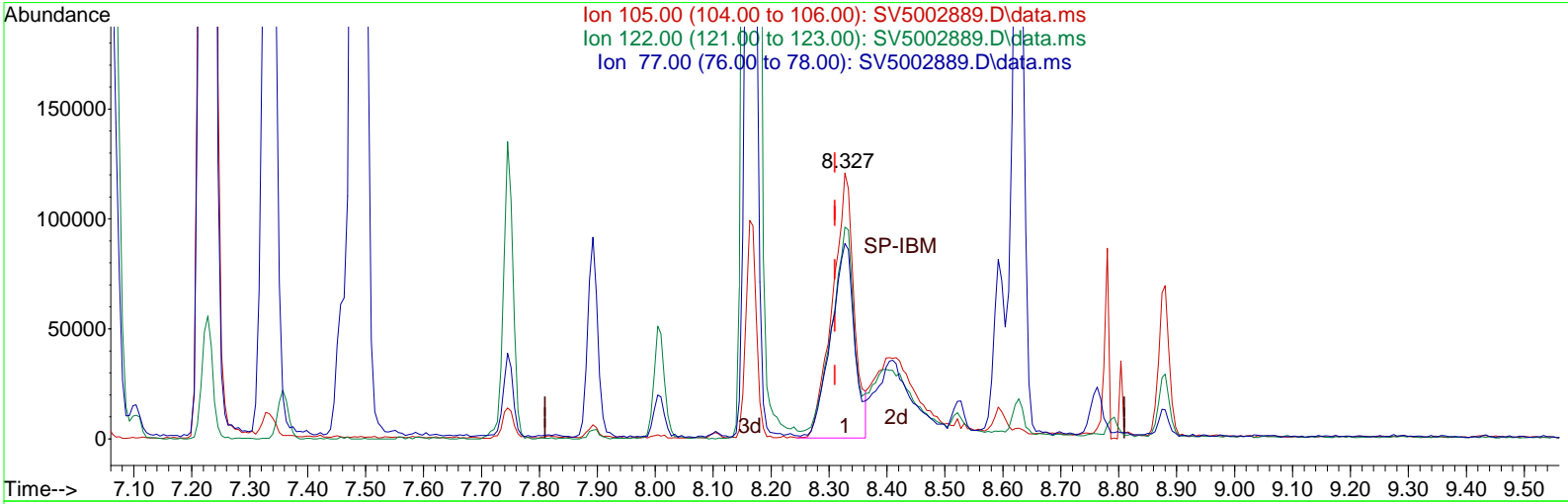
8.310min (-0.006) 15.10 ng/uL

response 166153

Ion	Exp%	Act%
105.00	100	100
122.00	84.00	112.48
77.00	72.10	78.90
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002889.D
 Acq On : 9 Oct 2012 1:26 pm
 Operator : IBM
 Sample : CVJ0074-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 14:18:48 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:28:56 2012
 Response via : Initial Calibration



TIC: SV5002889.D\data.ms

(28) Benzoic Acid

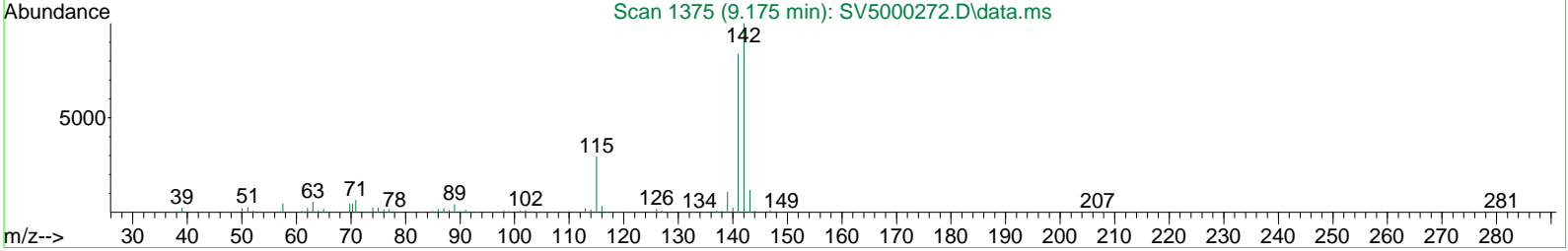
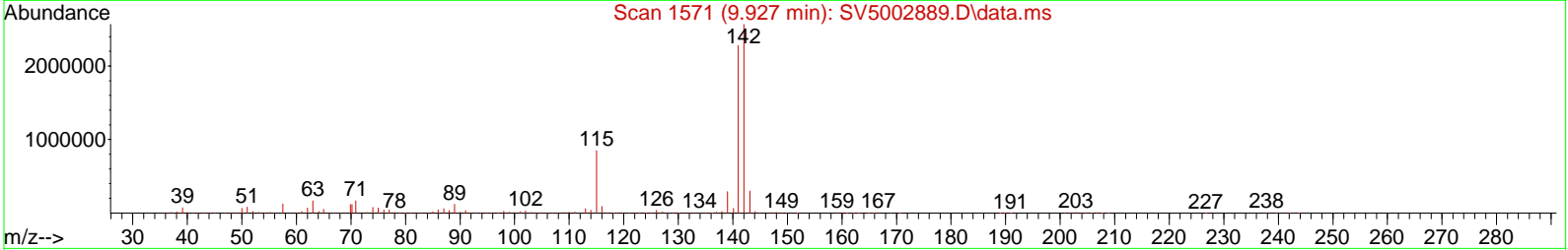
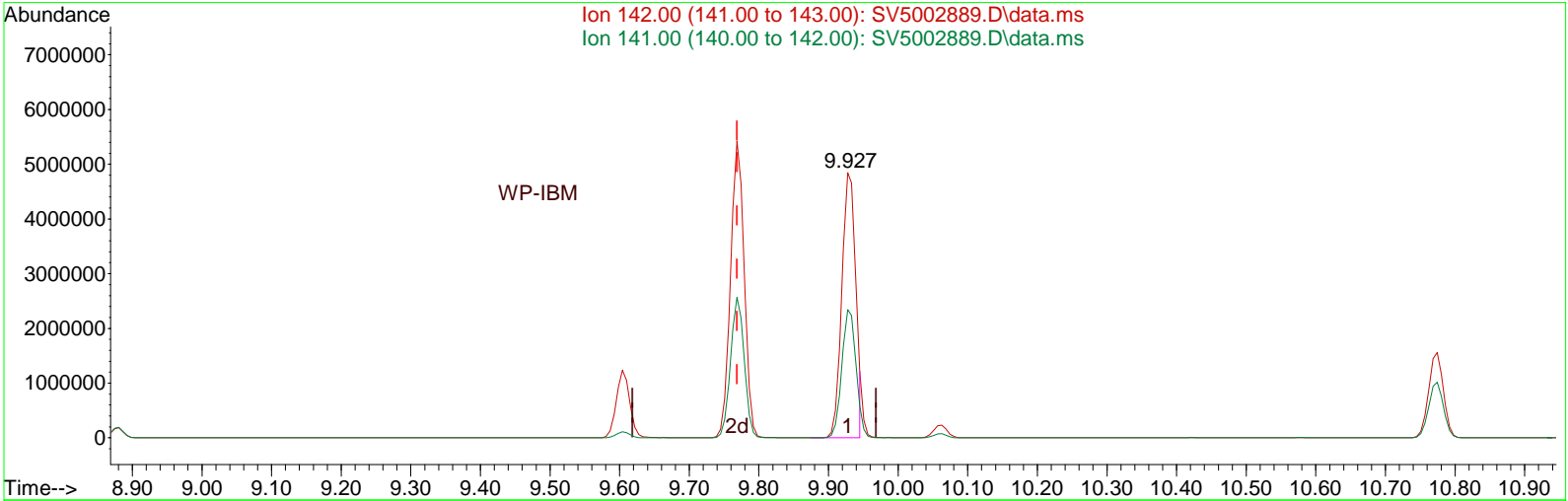
8.327min (+0.018) 26.79 ng/uL

response 312792

Ion	Exp%	Act%
105.00	100	100
122.00	81.40	79.88
77.00	74.00	74.58
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002889.D
 Acq On : 9 Oct 2012 1:26 pm
 Operator : IBM
 Sample : CVJ0074-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 14:18:48 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 13:28:56 2012
 Response via : Initial Calibration



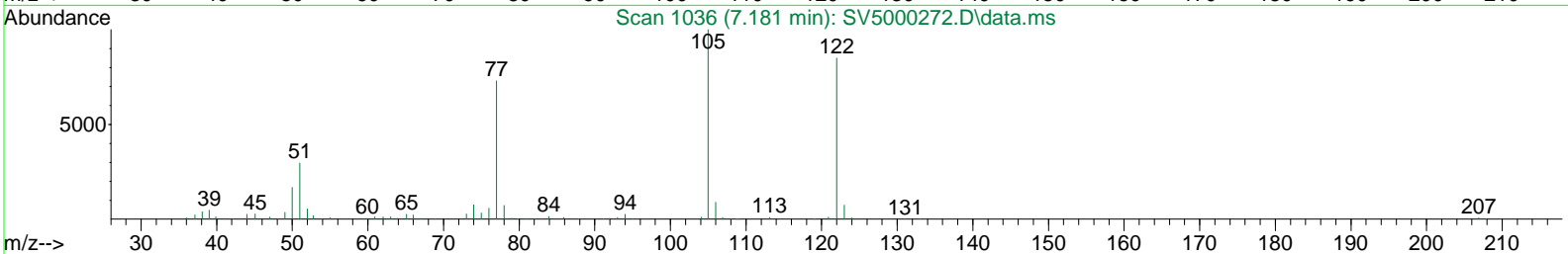
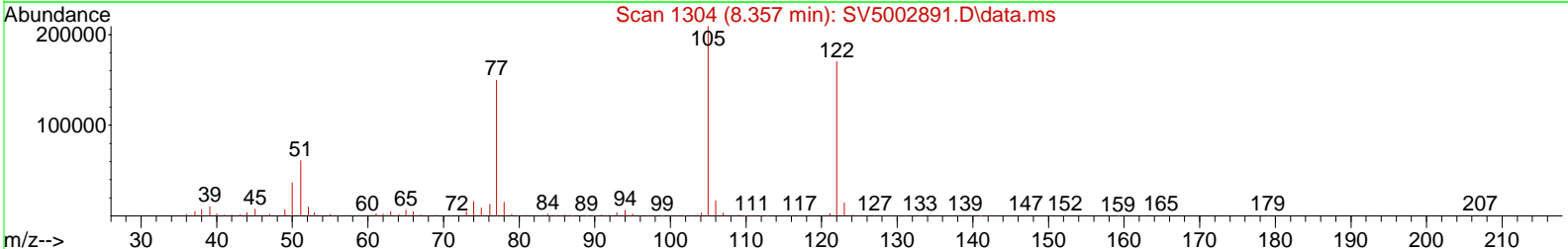
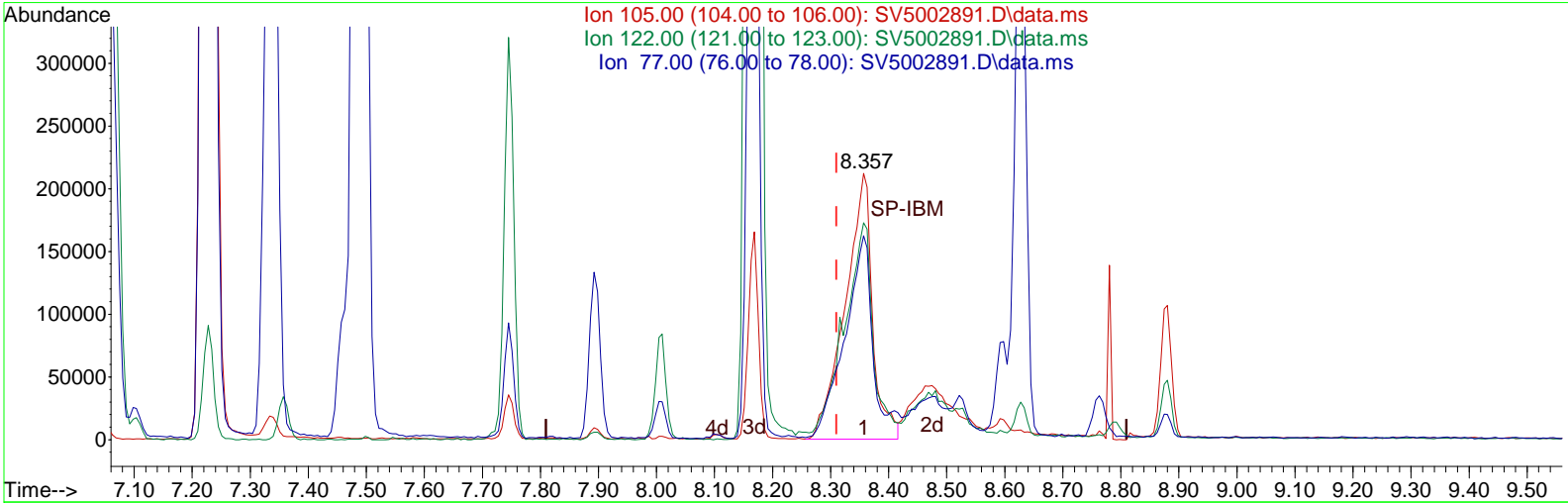
TIC: SV5002889.D\data.ms

(38) 2-Methylnaphthalene
 9.927min (+0.159) 68.11 ng/uL
 response 6834637

Ion	Exp%	Act%
142.00	100	100
141.00	95.50	101.31
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002891.D
 Acq On : 9 Oct 2012 2:32 pm
 Operator : IBM
 Sample : CVJ0074-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 15:07:04 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:10:15 2012
 Response via : Initial Calibration



TIC: SV5002891.D\data.ms

(28) Benzoic Acid

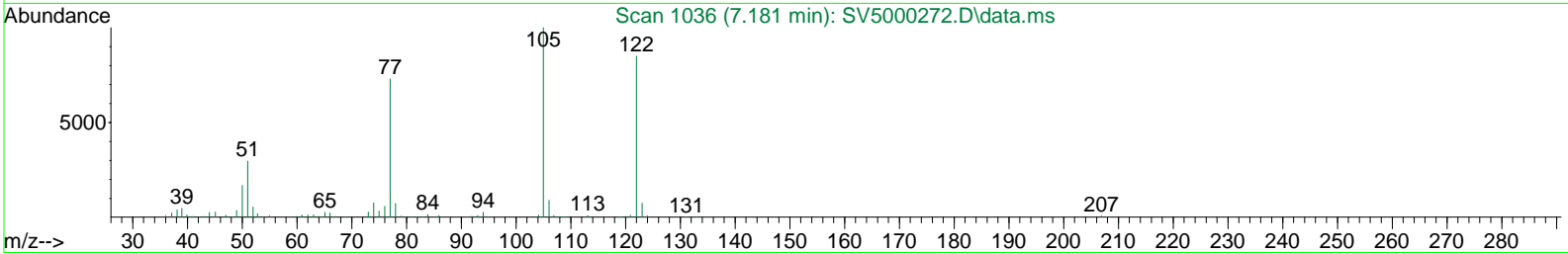
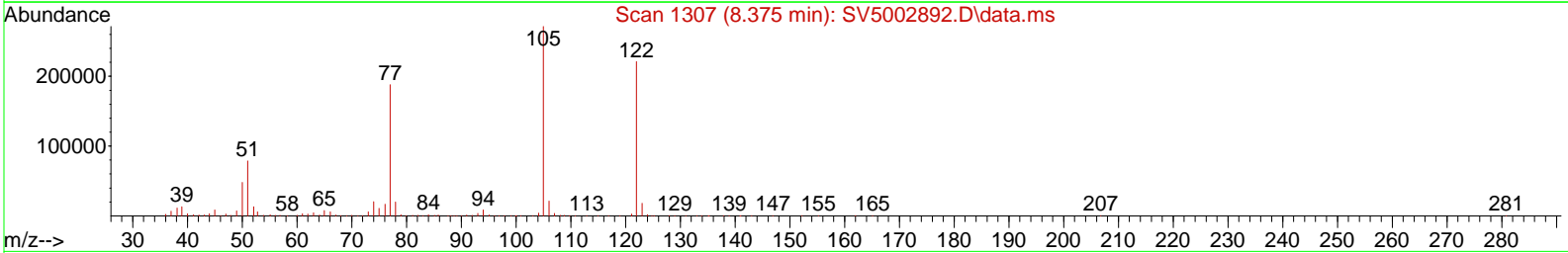
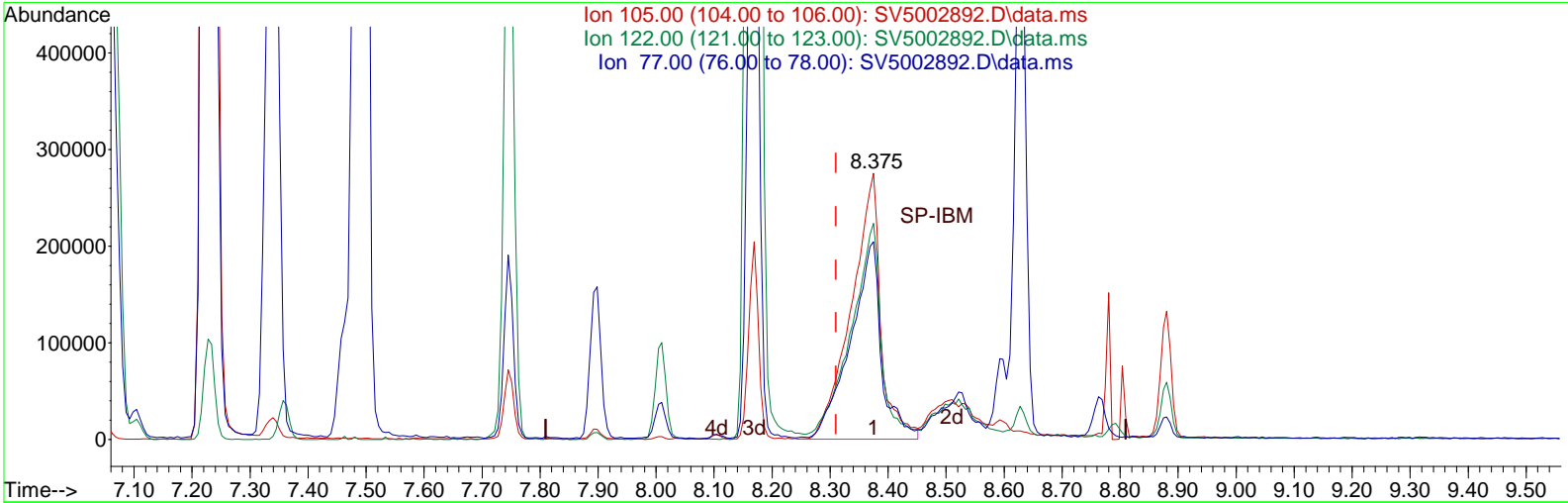
8.357min (+0.047) 55.95 ng/uL

response 690897

Ion	Exp%	Act%
105.00	100	100
122.00	81.40	81.66
77.00	74.00	77.44
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002892.D
 Acq On : 9 Oct 2012 3:05 pm
 Operator : IBM
 Sample : CVJ0074-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 15:39:03 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:13:12 2012
 Response via : Initial Calibration



TIC: SV5002892.D\data.ms

(28) Benzoic Acid

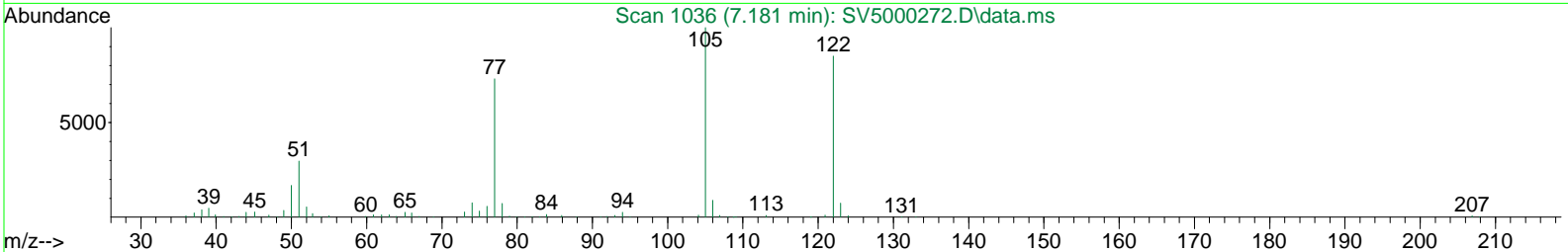
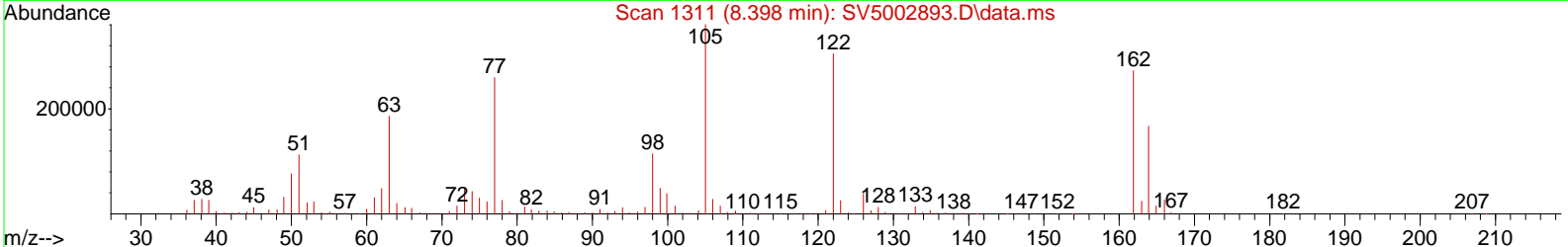
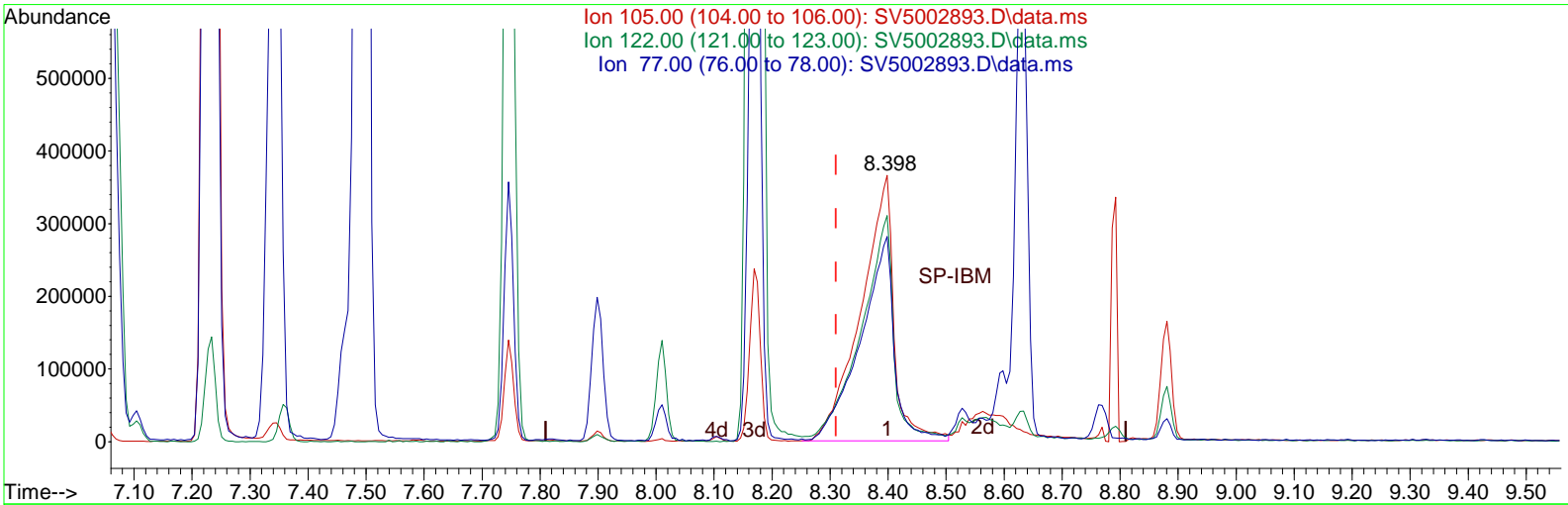
8.375min (+0.065) 73.42 ng/uL

response 967752

Ion	Exp%	Act%
105.00	100	100
122.00	81.40	81.52
77.00	74.00	75.67
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002893.D
 Acq On : 9 Oct 2012 3:38 pm
 Operator : IBM
 Sample : CVJ0074-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 16:10:34 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:44:10 2012
 Response via : Initial Calibration



TIC: SV5002893.D\data.ms

(28) Benzoic Acid

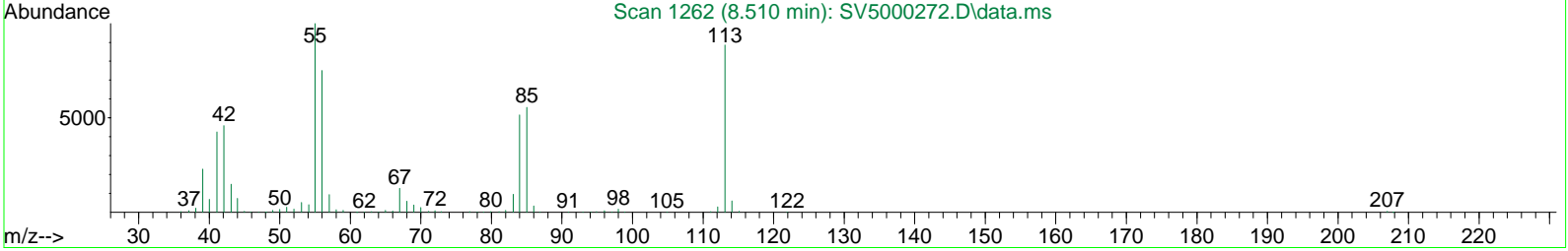
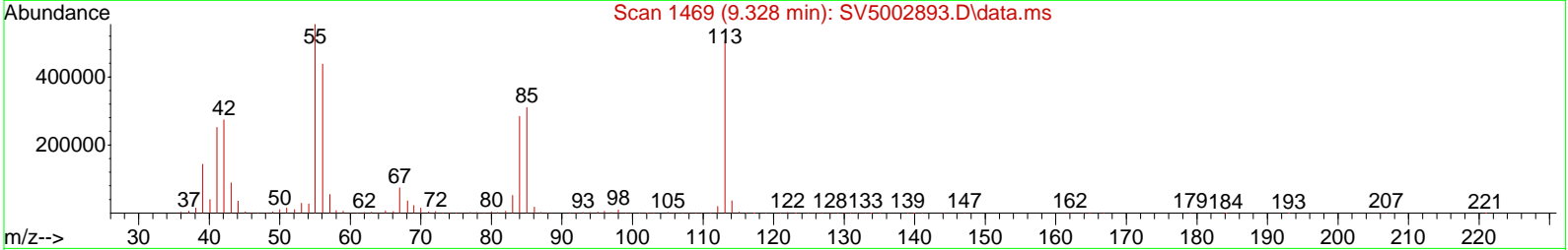
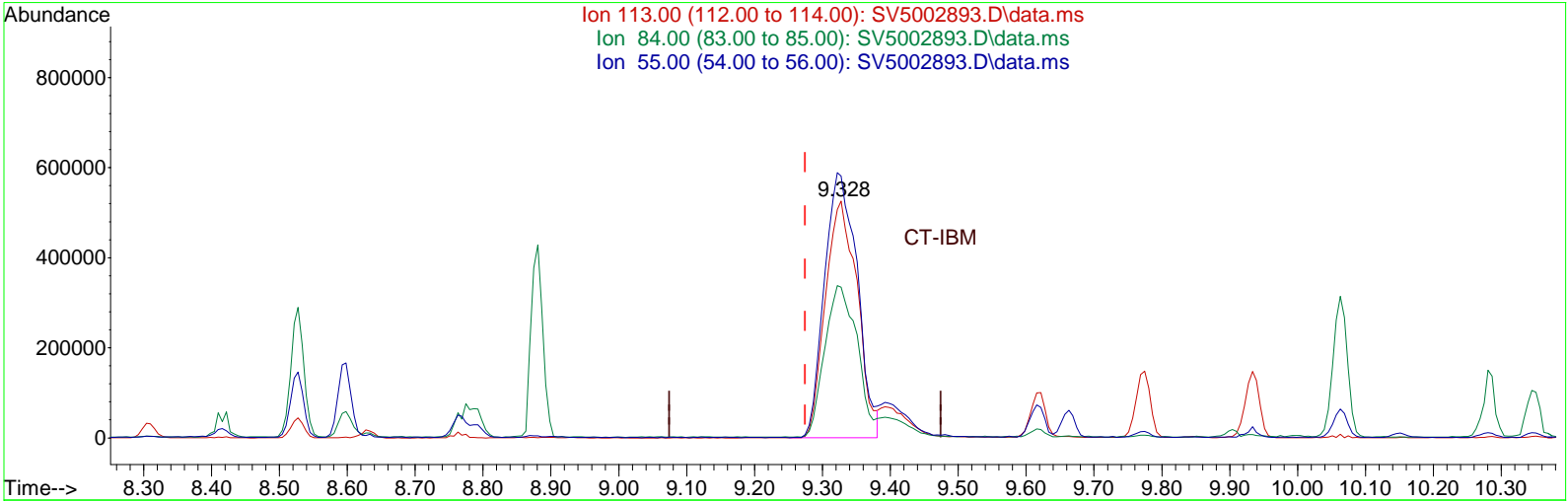
8.398min (+0.088) 108.57 ng/uL

response 1439732

Ion	Exp%	Act%
105.00	100	100
122.00	81.40	85.32
77.00	74.00	78.07
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002893.D
 Acq On : 9 Oct 2012 3:38 pm
 Operator : IBM
 Sample : CVJ0074-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 16:10:34 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 15:44:10 2012
 Response via : Initial Calibration



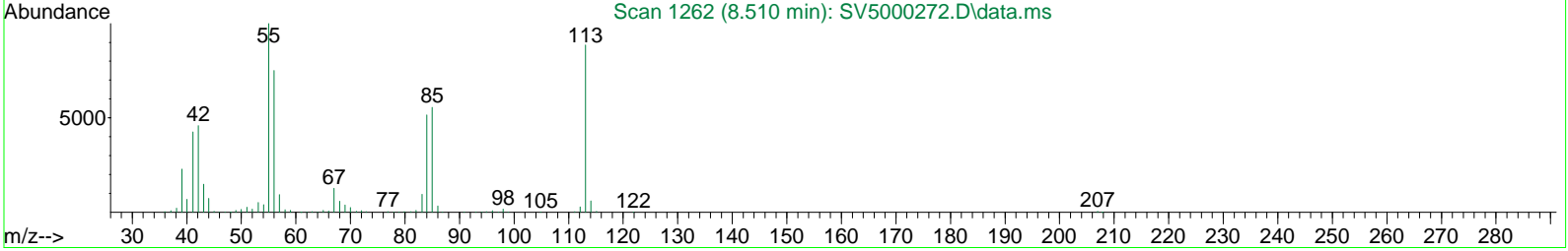
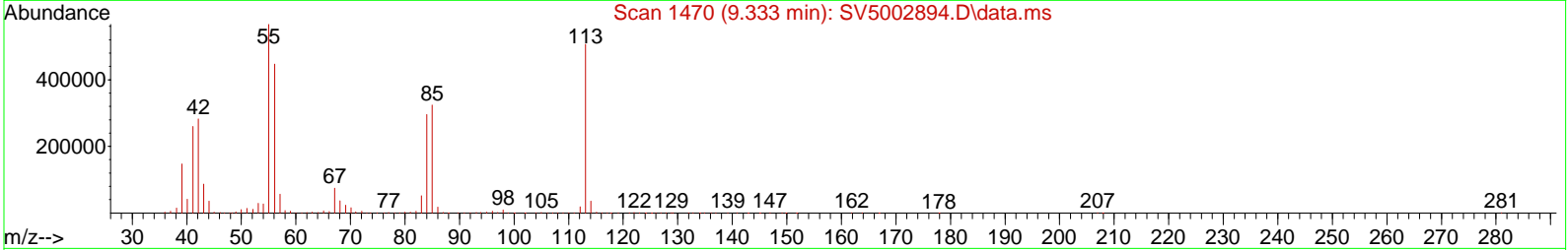
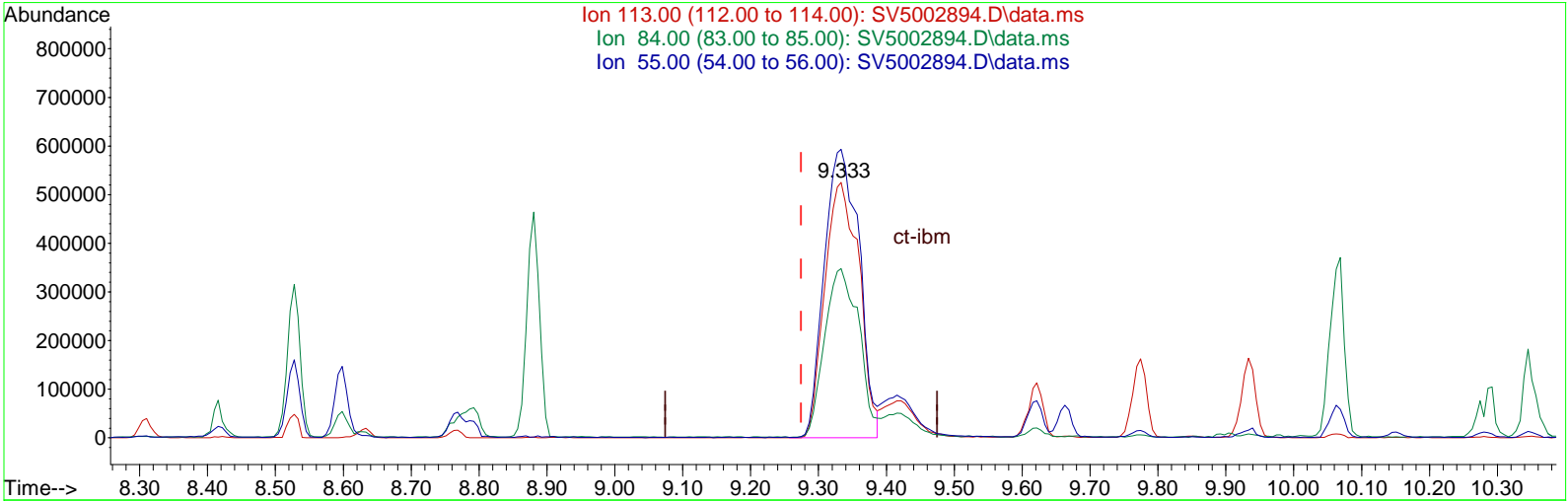
TIC: SV5002893.D\data.ms

(36) Caprolactam
 9.328min (+0.053) 190.90 ug/mL
 response 1716001

Ion	Exp%	Act%
113.00	100	100
84.00	61.10	122.72#
55.00	187.70	110.60#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002894.D
 Acq On : 9 Oct 2012 4:11 pm
 Operator : IBM
 Sample : CVJ0074-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 09 16:37:05 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 16:16:01 2012
 Response via : Initial Calibration



TIC: SV5002894.D\data.ms

(36) Caprolactam
 9.333min (+0.059) 234.81 ug/mL
 response 1845879

Ion	Exp%	Act%
113.00	100	100
84.00	61.10	127.91#
55.00	187.70	112.90#
0.00	0.00	0.00

SVOA

ESS LABORATORY MS5 RUN LOG

DATE 10/09/12
ANALYST IBM
METHOD SV5AT
Internal Std: 2I07102
Tune Method: DFTPP
METHOD (2)
Internal Std:
Tune Method:

Work orders reported:
MATRIX SEQ ID CAL ID
SOIL CVJ0074 1210012
AQ CVJ0075 1210013
MATRIX SEQ ID CAL ID
SOIL
AQ

VIAL #	SAMPLE ID	METHOD	FILE ID	M	STD ID/COMMENTS	BATCH ID	MATRIX	RW	RPT	IMP	BY
1	CVJ0074-TUN1	DFTPP	SV5002882	1	2I24070			IBM	X		
2	CVJ0074-CCV1	SV5A	SV5002883	1	2J03037						
3	CVJ0074-CAL1	SV5A	SV5002884	1	2J03033			IBM	X		
4	CVJ0074-CAL2	SV5A	SV5002885	1	2J03034			IBM	X		
5	CVJ0074-CAL3	SV5A	SV5002886	1	2J03035			IBM	X		
6	CVJ0074-CAL4	SV5A	SV5002887	1	2J03036			IBM	X		
7	CVJ0074-CAL5	SV5A	SV5002888	1	2J03037			IBM	X		
8	CVJ0074-CAL6	SV5A	SV5002889	1	2J03038			IBM	X		
9	CVJ0074-CAL7	SV5A	SV5002890	1	2J03039			IBM	X		
10	CVJ0074-CAL8	SV5A	SV5002891	1	2J03040			IBM	X		
11	CVJ0074-CAL9	SV5A	SV5002892	1	2J03041			IBM	X		
12	CVJ0074-CALA	SV5A	SV5002893	1	2J03042			IBM	X		
13	CVJ0074-CALB	SV5A	SV5002894	1	2J03043			IBM	X		
14	CVJ0074-CALC	SV5A	SV5002895	1	2I27063			IBM	X		
15	CVJ0074-SCV1	SV5A	SV5002896	1	2H14089			IBM	X		

RUN CONTINUED ON NEXT PAGE

QUADS: BENZALDEHYDE, 2,4-DNP

SCV: BENZALDEHYDE 13%, BENZIDINE 65%

CCAL:

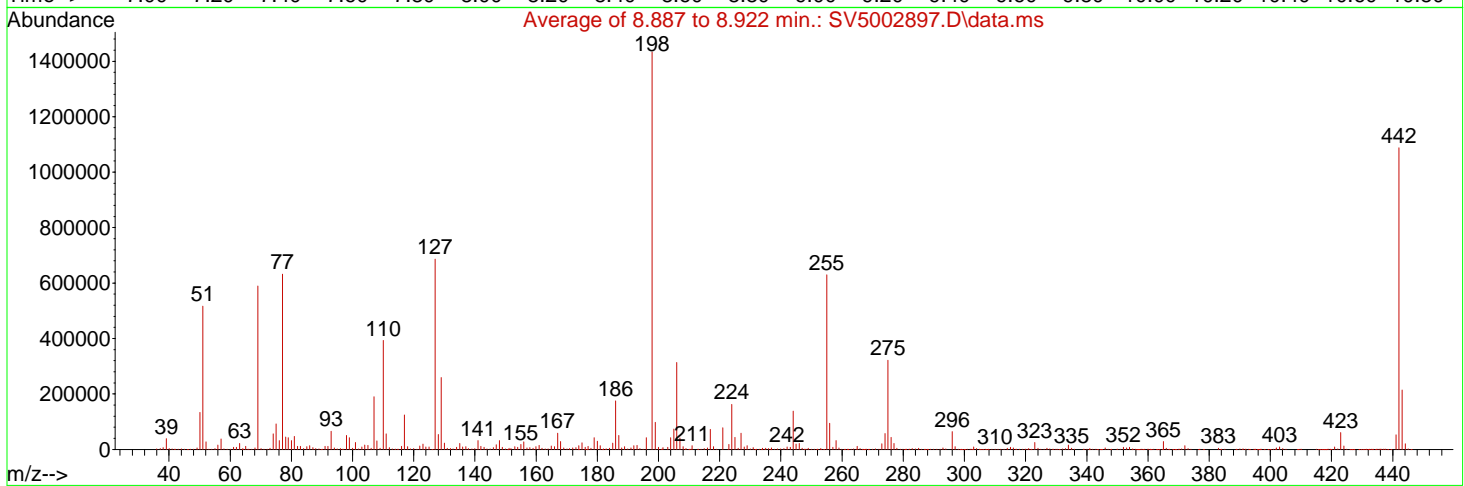
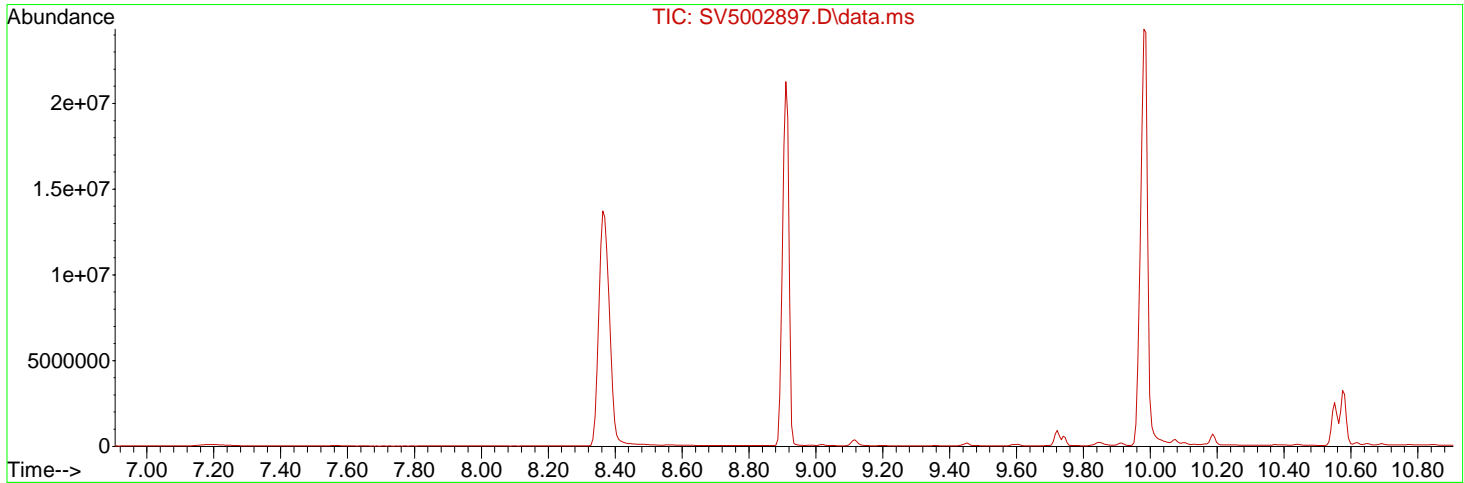
Comments:

Review (includes a check and review of manual integrations)

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002897.D
 Acq On : 9 Oct 2012 5:55 pm
 Operator : IBM
 Sample : CVJ0082-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Integration File: RTEINT.P

Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 Last Update : Tue Oct 09 17:24:13 2012

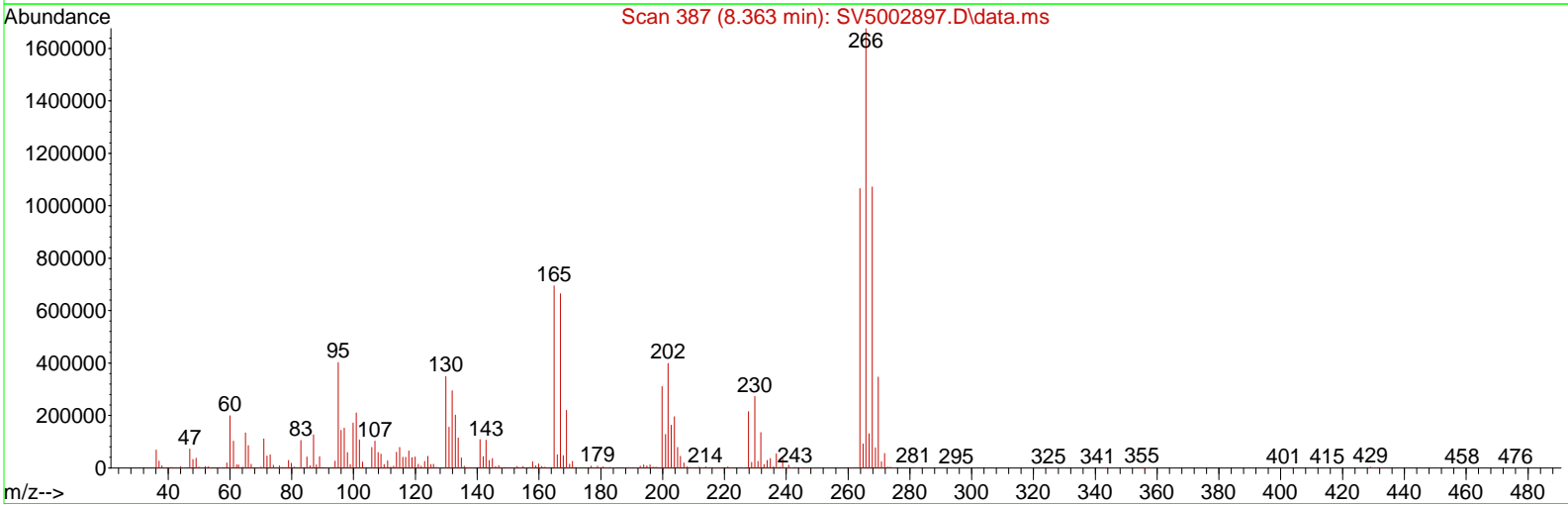
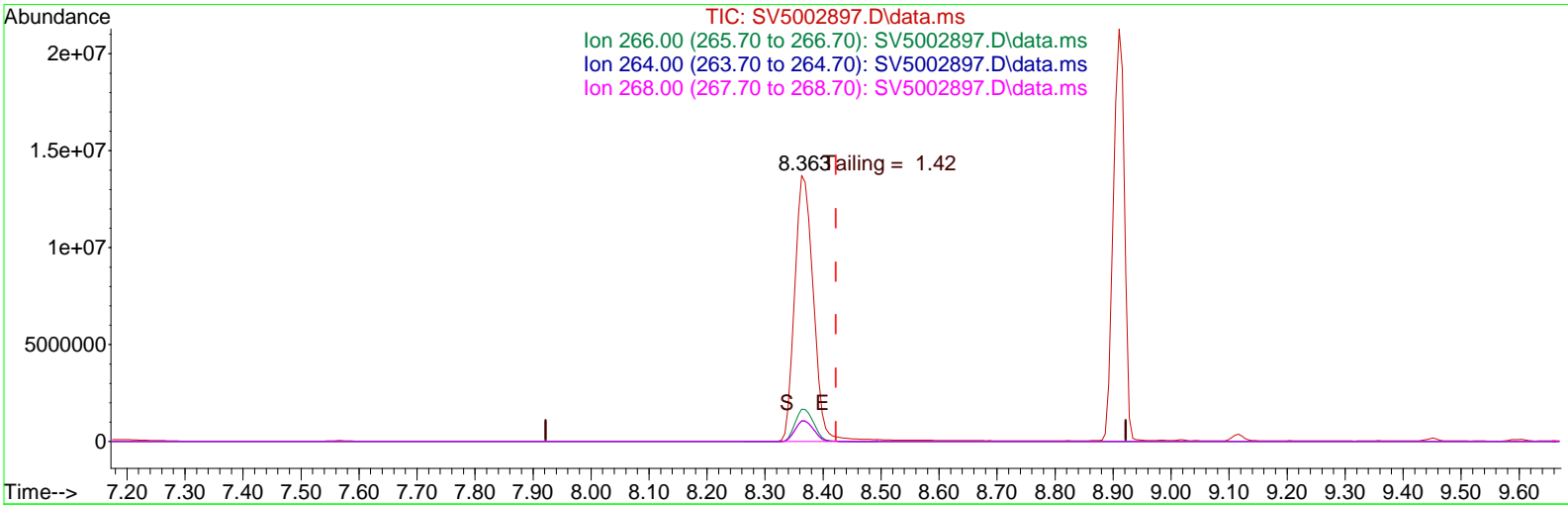


Spectrum Information: Average of 8.887 to 8.922 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.0	516663	PASS
68	69	0.00	2	0.9	5591	PASS
69	198	0.00	100	41.1	588960	PASS
70	69	0.00	2	0.6	3257	PASS
127	198	40	60	47.9	686322	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	1433385	PASS
199	198	5	9	6.8	97909	PASS
275	198	10	30	22.4	321501	PASS
365	198	1	100	2.0	28787	PASS
441	443	0.01	100	24.3	52034	PASS
442	198	40	100	75.9	1088229	PASS
443	442	17	23	19.7	214308	PASS

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002897.D
 Acq On : 9 Oct 2012 5:55 pm
 Operator : IBM
 Sample : CVJ0082-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:38:52 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



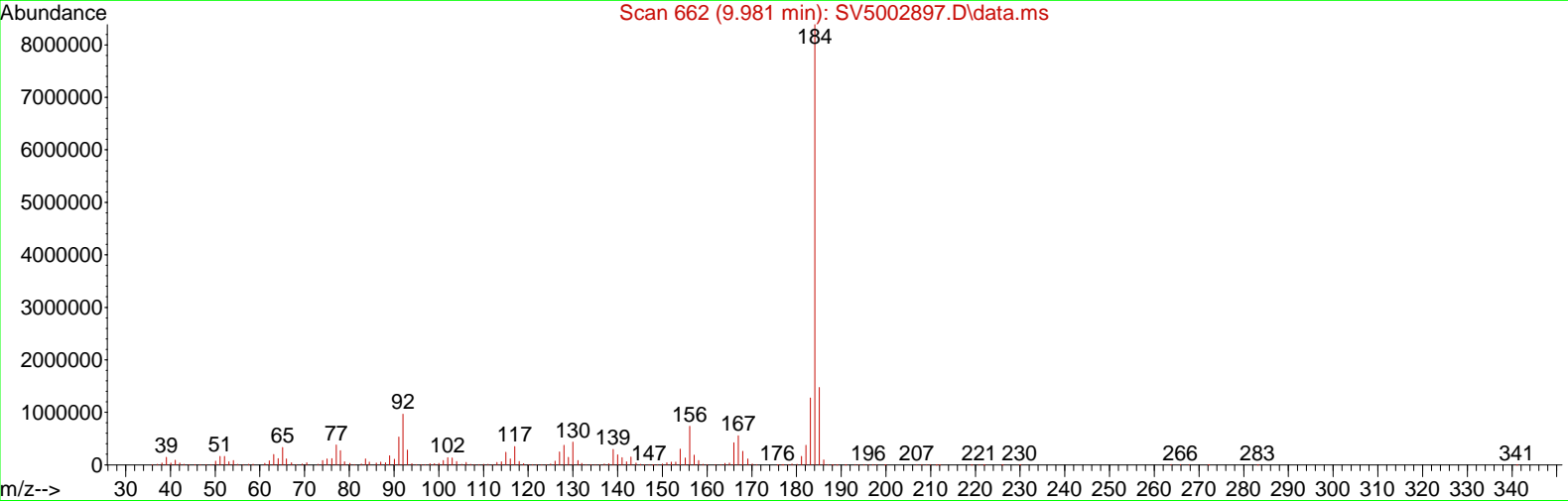
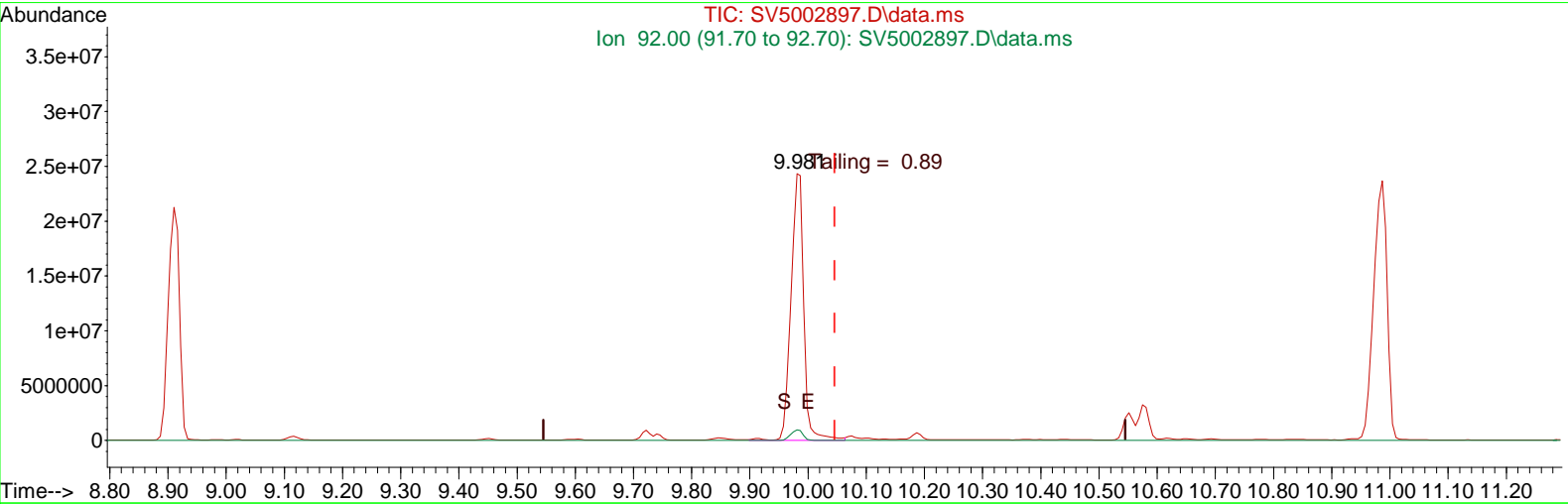
TIC: SV5002897.D\data.ms

(2) Pentachlorophenol (I)
 8.363min (-0.059) 62.30 PPM
 response 30963711

Signal	Exp%	Act%
TIC	100	100
266.00	0.00	12.40#
264.00	0.00	7.89#
268.00	0.00	7.94#

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002897.D
 Acq On : 9 Oct 2012 5:55 pm
 Operator : IBM
 Sample : CVJ0082-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:38:52 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



TIC: SV5002897.D\data.ms

(3) Benzidine (I)
 9.981min (-0.065) 42.30 PPM
 response 36557062

Signal	Exp%	Act%
TIC	100	100
92.00	0.00	4.08#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002897.D
 Acq On : 9 Oct 2012 5:55 pm
 Operator : IBM
 Sample : CVJ0082-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:39:19 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration

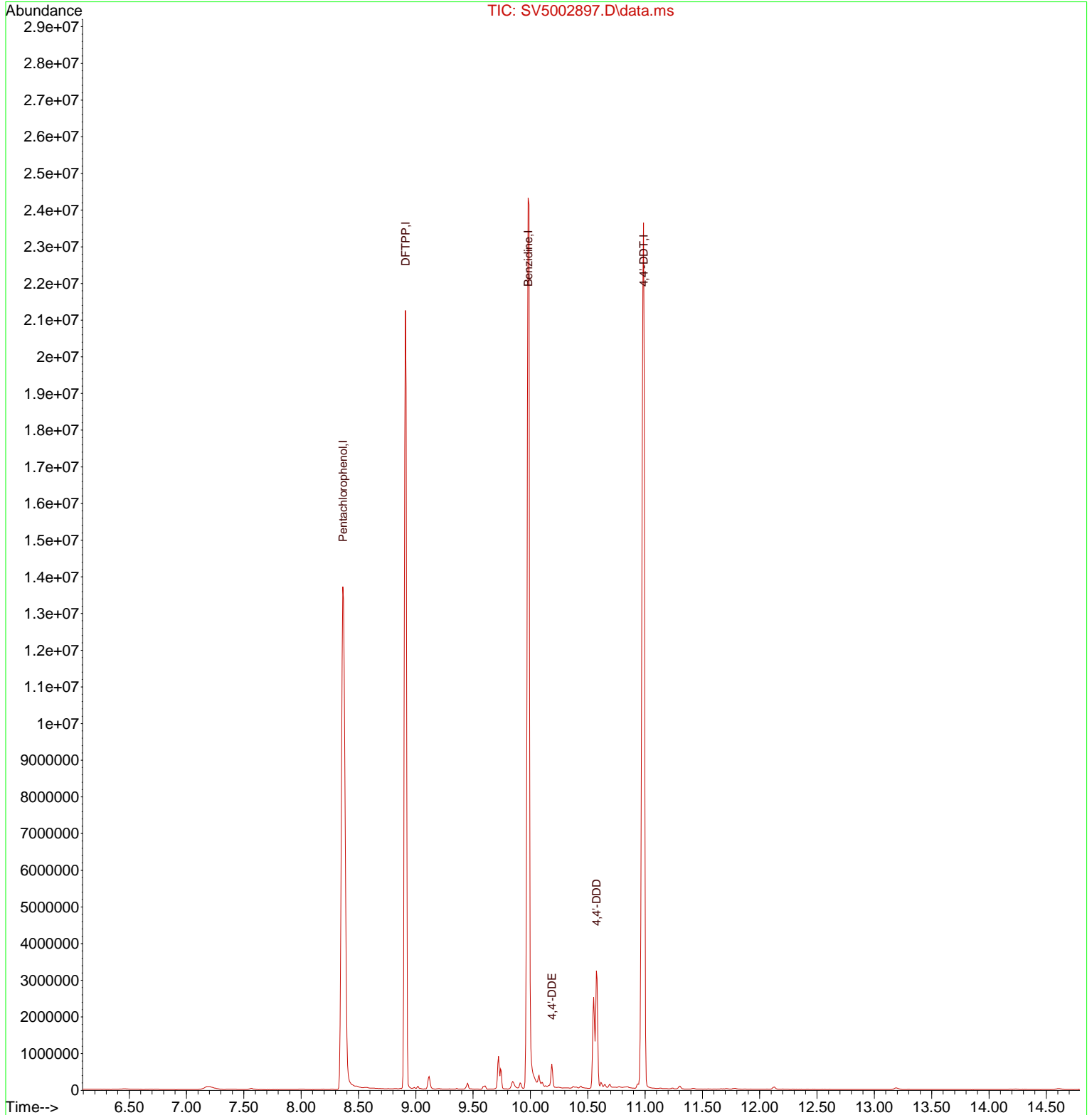
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Target Compounds							Qvalue
1) DFTPP	8.910	TIC	28618747	50.86	PPM	#	100
2) Pentachlorophenol	8.363	TIC	30963711	62.30	PPM	#	100
3) Benzidine	9.981	TIC	36557062	42.30	PPM	#	100
4) 4,4'-DDT	10.987	TIC	38228407	56.41	PPM	#	100
5) 4,4'-DDE	10.187	TIC	643343m	13.88	PPM		
6) 4,4'-DDD	10.575	TIC	3517853	9.25	PPM	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002897.D
 Acq On : 9 Oct 2012 5:55 pm
 Operator : IBM
 Sample : CVJ0082-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:39:19 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



Data File Name SV5002897.D
Date Acquired 10/9/2012 17:55
Sample Name CVJ0082-TUN1
Instrument Name GCMS5

DDT BREAKDOWN CHECK

TARGET	RESPONSE
4,4'-DDT	38228407
4,4'-DDE	643343
4,4'-DDD	3517853

TOTAL RESPONSE	42389603
BREAKDOWN RESPONSE	4161196

BREAKDOWN % 9.82

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002898.D
 Acq On : 9 Oct 2012 6:08 pm
 Operator : IBM
 Sample : CVJ0082-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:40:02 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.381	152	611562	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.592	136	2669471	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.586	164	1860475	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.486	188	3304105	40.00	ng/uL	0.00	
79) Chrysene-d12	20.027	240	3585232	40.00	ng/uL	0.00	
87) Perylene-d12	22.821	264	3585139	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.075	112	776335	49.76	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.17%
7) Phenol-d5 (SURR)	5.492	99	1058221	49.51	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.01%
11) 2-Chlorophenol-d4 (SURR)	5.739	132	931190	50.72	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.81%
14) 1,2 Dichlorobenzene-d4...	6.722	152	765611	55.37	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 55.37%
24) Nitrobenzene-d5 (SURR)	7.457	82	1051721	50.38	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 50.38%
45) 2-Fluorobiphenyl (SURR)	10.416	172	3481314	51.60	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 51.60%
67) 2,4,6-Tribromophenol (...)	13.098	330	372436	52.28	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 34.85%
81) Terphenyl-d14 (SURR)	17.868	244	4039410	52.76	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 52.76%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.040	42	233320	48.18	ng/uL		99
3) Pyridine	1.087	79	577699	50.32	ng/uL		100
5) Benzaldehyde	5.104	105	478297	50.30	ug/mL		96
6) bis(2-Chloroethyl)ether	5.716	63	609349	49.48	ng/uL		98
8) 2-Chlorophenol	5.786	128	927415	50.25	ng/uL		99
9) Phenol	5.534	94	1140090	50.64	ng/uL		99
10) Aniline	5.445	93	1335317	53.06	ng/ul#		80
12) 1,3-Dichlorobenzene	6.228	146	1054619	50.89	ng/uL		96
13) 1,4-Dichlorobenzene	6.422	146	1088940	51.10	ng/uL		95
15) 1,2-Dichlorobenzene	6.751	146	1047105	51.27	ng/uL		99
16) Benzyl Alcohol	6.757	79	836493	50.04	ng/uL		93
17) bis(2-chloroisopropyl)...	7.057	121	377661	50.55	ng/uL		99
18) 2-Methylphenol	7.045	108	1700550	50.36	ng/uL		100
19) Acetophenone	7.222	105	1373708	50.81	ng/ul		97
20) n-Nitroso-di-n-propyla...	7.269	70	732632	49.52	ng/uL		97
21) Hexachloroethane	7.357	117	427034	50.67	ng/uL		98
22) 3+4-Methylphenol	7.327	108	2093860	50.75	ng/uL		100
25) Nitrobenzene	7.486	77	1136950	51.00	ng/uL		99
26) Isophorone	7.892	82	2042328	51.06	ng/uL		100
27) 2-Nitrophenol	8.004	139	579996	50.63	ng/uL		100
28) Benzoic Acid	8.310	105	279123m	21.86	ng/uL		
29) 2,4-Dimethylphenol	8.163	107	1098747	51.60	ng/uL		100
30) bis(2-Chloroethoxy)met...	8.292	93	1315606	50.46	ng/uL		99
31) 2,4-Dichlorophenol	8.410	162	908382	51.15	ng/uL		98
32) 1,2,4-Trichlorobenzene	8.522	180	1006044	51.33	ng/uL		99
33) Naphthalene	8.627	128	3787346	52.42	ng/uL		100
34) 4-Chloroaniline	8.757	127	1593953	54.74	ng/uL		99
35) Hexachlorobutadiene	8.880	225	549815	51.45	ng/uL		99
36) Caprolactam	9.274	113	404972	50.57	ug/mL#		78
37) 4-Chloro-3-methylphenol	9.598	107	1037055	50.94	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002898.D
 Acq On : 9 Oct 2012 6:08 pm
 Operator : IBM
 Sample : CVJ0082-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

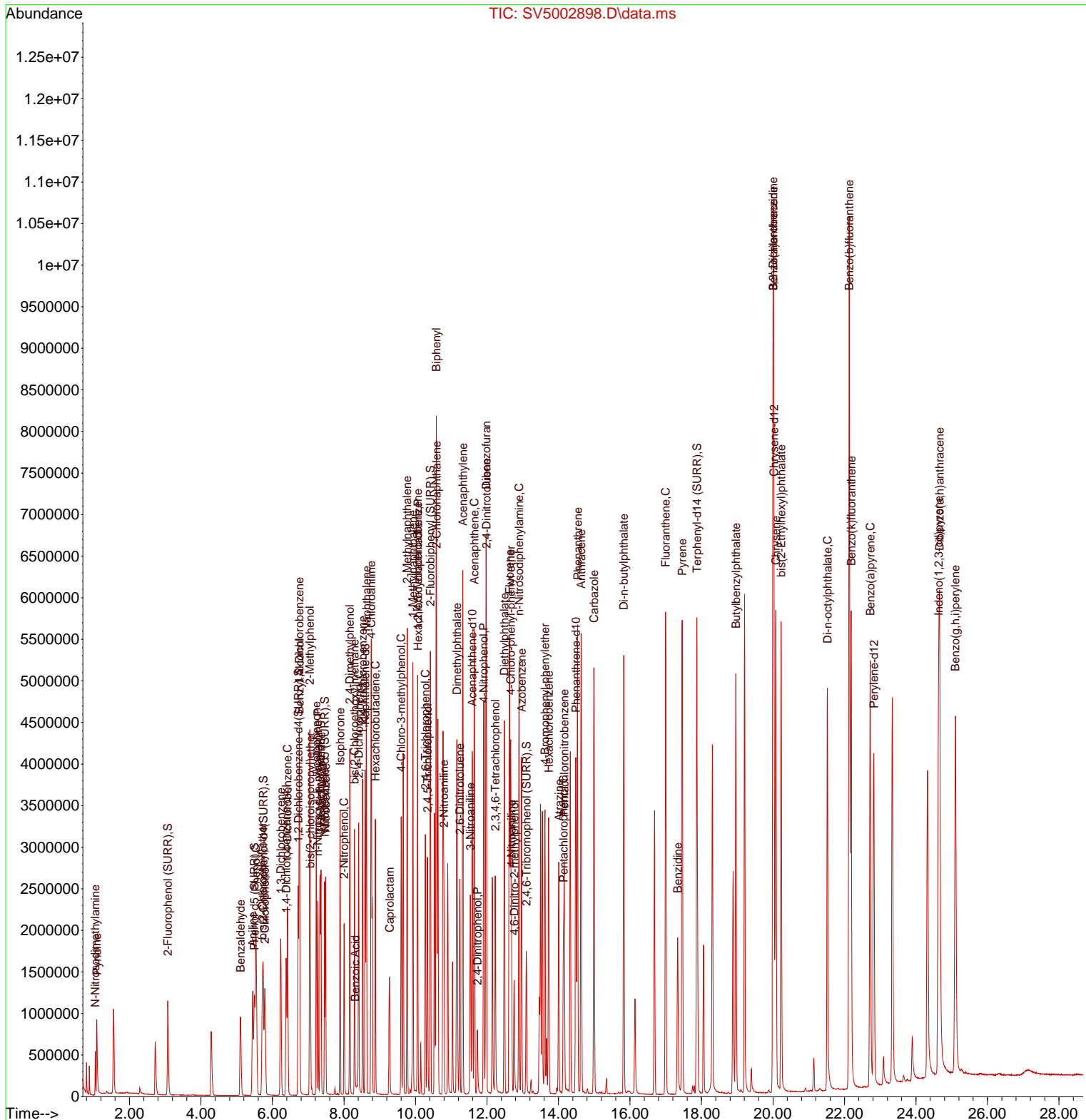
Quant Time: Oct 10 08:40:02 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.769	142	4397504	52.35	ng/uL	94
39) 1-Methylnaphthalene	9.927	142	4134569	52.19	ng/uL	86
40) 1,2,4,5-Tetrachloroben...	10.057	216	1060997	52.32	ng/uL	98
42) Hexachlorocyclopentadiene	10.063	237	347495	49.24	ng/uL	99
43) 2,4,6-Trichlorophenol	10.274	196	683327	50.31	ng/uL	99
44) 2,4,5-Trichlorophenol	10.333	196	694848	50.00	ng/uL	99
46) Biphenyl	10.580	154	3994512	51.88	ng/uL	91
47) 2-Chloronaphthalene	10.592	162	2349245	51.21	ng/uL	99
48) Dimethylphthalate	11.157	163	2582697	51.91	ng/uL	100
49) Acenaphthylene	11.321	152	4392678	52.54	ng/uL	100
50) 2,6-Dinitrotoluene	11.239	165	635202	52.66	ng/uL	96
51) 2-Nitroaniline	10.792	65	844484	49.97	ng/uL	96
52) Acenaphthene	11.645	153	3507321	51.51	ng/uL	100
53) 2,4-Dinitrophenol	11.733	184	221802	51.62	ng/uL	95
54) Dibenzofuran	11.974	168	3363668	52.48	ng/uL	100
55) 4-Nitrophenol	11.904	65	423677	49.42	ng/uL	95
56) 3-Nitroaniline	11.533	138	737096	51.86	ng/uL	97
57) 2,4-Dinitrotoluene	11.980	165	810346	52.81	ng/uL	94
58) Fluorene	12.627	166	5449031	52.51	ng/uL	94
59) 2,3,4,6-Tetrachlorophenol	12.233	232	650362	52.24	ng/uL	95
60) Diethylphthalate	12.486	149	2586090	51.44	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.662	204	1381230	51.69	ng/uL	99
63) 4-Nitroaniline	12.686	138	713388	49.74	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.762	198	407769	48.91	ng/uL	93
65) n-Nitrosodiphenylamine	12.898	169	3975983	52.29	ng/uL#	50
66) Azobenzene	12.968	77	2703310	51.69	ng/uL	97
68) 4-Bromophenyl-phenylether	13.621	248	800462	51.94	ng/uL	80
69) Hexachlorobenzene	13.727	284	886373	51.12	ng/uL	98
70) Atrazine	14.009	200	573680	50.66	ug/mL	99
71) Pentachloronitrobenzene	14.162	237	302873	52.24	ng/uL	98
72) Pentachlorophenol	14.139	266	528326	48.19	ng/uL	98
73) Phenanthrene	14.533	178	4616385	52.38	ng/uL	100
74) Anthracene	14.633	178	4579393	53.40	ng/uL	100
75) Carbazole	14.992	167	4852135	52.80	ng/uL	100
76) Di-n-butylphthalate	15.827	149	4562937	54.52	ng/uL	100
77) Fluoranthene	16.997	202	5290422	54.06	ng/uL	99
78) Benzidine	17.333	184	1826848	56.25	ng/uL	99
80) Pyrene	17.462	202	5628348	51.24	ng/uL	100
82) Butylbenzylphthalate	18.962	149	2145975	51.34	ng/uL	98
83) 3,3'-Dichlorobenzidine	20.003	252	1817693	52.89	ng/uL	99
84) Benzo(a)anthracene	20.009	228	5022820	50.96	ng/uL	100
85) Chrysene	20.080	228	4847217	50.65	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.227	149	2802906	49.84	ng/uL	100
88) Di-n-octylphthalate	21.521	149	4633082	55.80	ng/uL	100
89) Benzo(b)fluoranthene	22.132	252	5503182	55.34	ng/uL	99
90) Benzo(k)fluoranthene	22.185	252	5018641	54.07	ng/uL	97
91) Benzo(a)pyrene	22.721	252	5017789	52.38	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.632	276	6511891	49.66	ng/uL	96
93) Dibenzo(a,h)anthracene	24.662	278	6443782	52.75	ng/uL	99
94) Benzo(g,h,i)perylene	25.103	276	5525275	49.42	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002898.D
 Acq On : 9 Oct 2012 6:08 pm
 Operator : IBM
 Sample : CVJ0082-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:40:02 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002898.D
 Acq On : 9 Oct 2012 6:08 pm
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 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	N-Nitrosodimethylamine	0.317	0.305	3.8	97	0.00
3	Pyridine	0.751	0.756	-0.7	100	0.00
4 S	2-Fluorophenol (SURR)	1.021	1.016	0.5	96	0.00
5	Benzaldehyde	0.509	0.626	-23.0	98	0.00
6	bis(2-Chloroethyl)ether	0.805	0.797	1.0	94	0.00
7 S	Phenol-d5 (SURR)	1.398	1.384	1.0	95	0.00
8	2-Chlorophenol	1.207	1.213	-0.5	96	0.00
9 C	Phenol	1.473	1.491	-1.2#	95	0.00
10	Aniline	1.646	1.747	-6.1	95	0.00
11 S	2-Chlorophenol-d4(SURR)	1.201	1.218	-1.4	96	0.00
12	1,3-Dichlorobenzene	1.355	1.380	-1.8	98	0.00
13 C	1,4-Dichlorobenzene	1.394	1.424	-2.2#	98	0.00
14 S	1,2 Dichlorobenzene-d4(SURR)	0.904	1.002	-10.8	98	0.00
15	1,2-Dichlorobenzene	1.336	1.370	-2.5	97	0.00
16	Benzyl Alcohol	1.093	1.094	-0.1	93	0.00
17	bis(2-chloroisopropyl)ether	0.489	0.494	-1.0	98	0.00
18	2-Methylphenol	2.209	2.225	-0.7	96	0.00
19	Acetophenone	1.769	1.797	-1.6	96	0.00
20 P	n-Nitroso-di-n-propylamine	0.968	0.958	1.0	94	0.00
21	Hexachloroethane	0.551	0.559	-1.5	96	0.00
22	3+4-Methylphenol	2.699	2.739	-1.5	95	0.00
23	Naphthalene-d8	1.000	1.000	0.0	97	0.00
24 S	Nitrobenzene-d5 (SURR)	0.313	0.315	-0.6	95	0.00
25	Nitrobenzene	0.334	0.341	-2.1	94	0.00
26	Isophorone	0.599	0.612	-2.2	94	0.00
27 C	2-Nitrophenol	0.172	0.174	-1.2#	94	0.00
28	Benzoic Acid	0.191	0.167	12.6	96	0.00
29	2,4-Dimethylphenol	0.319	0.329	-3.1	95	0.00
30	bis(2-Chloroethoxy)methane	0.391	0.394	-0.8	95	0.00
31 C	2,4-Dichlorophenol	0.266	0.272	-2.3#	95	0.00
32	1,2,4-Trichlorobenzene	0.294	0.301	-2.4	96	0.00
33	Naphthalene	1.083	1.135	-4.8	94	0.00
34	4-Chloroaniline	0.436	0.478	-9.6	98	0.00
35 C	Hexachlorobutadiene	0.160	0.165	-3.1#	96	0.00
36	Caprolactam	0.120	0.121	-0.8	95	0.00
37 C	4-Chloro-3-methylphenol	0.305	0.311	-2.0#	96	0.00
38	2-Methylnaphthalene	1.259	1.318	-4.7	96	0.00
39	1-Methylnaphthalene	1.187	1.239	-4.4	95	0.00
40	1,2,4,5-Tetrachlorobenzene	0.304	0.318	-4.6	96	0.00
41	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
42 P	Hexachlorocyclopentadiene	0.131	0.149	-13.7	103	0.00
43 C	2,4,6-Trichlorophenol	0.292	0.294	-0.7#	97	0.00
44	2,4,5-Trichlorophenol	0.299	0.299	0.0	95	0.00
45 S	2-Fluorobiphenyl (SURR)	1.450	1.497	-3.2	96	0.00
46	Biphenyl	1.655	1.718	-3.8	97	0.00
47	2-Chloronaphthalene	0.986	1.010	-2.4	97	0.00
48	Dimethylphthalate	1.070	1.111	-3.8	97	0.00
49	Acenaphthylene	1.798	1.889	-5.1	97	0.00
50	2,6-Dinitrotoluene	0.259	0.273	-5.4	99	0.00
51	2-Nitroaniline	0.363	0.363	0.0	95	0.00

Data Path : Q:\SVOA\MS5\1012\100912\
 Data File : SV5002898.D
 Acq On : 9 Oct 2012 6:08 pm
 Operator : IBM
 Sample : CVJ0082-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 10 08:40:02 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 C	Acenaphthene	1.464	1.508	-3.0#	98	0.00
53 P	2,4-Dinitrophenol	0.118	0.095	19.5	119	0.00
54	Dibenzofuran	1.378	1.446	-4.9	98	0.00
55 P	4-Nitrophenol	0.184	0.182	1.1	95	0.00
56	3-Nitroaniline	0.306	0.317	-3.6	96	0.00
57	2,4-Dinitrotoluene	0.330	0.348	-5.5	98	0.00
58	Fluorene	2.231	2.343	-5.0	97	0.00
59	2,3,4,6-Tetrachlorophenol	0.268	0.280	-4.5	100	0.00
60	Diethylphthalate	1.081	1.112	-2.9	97	0.00
61	4-Chloro-phenyl-phenyl ethe	0.575	0.594	-3.3	97	0.00
62	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
63	4-Nitroaniline	0.174	0.173	0.6	95	0.00
64	4,6-Dinitro-2-methylphenol	0.102	0.099	2.9	108	0.00
65 C	n-Nitrosodiphenylamine	0.921	0.963	-4.6#	98	0.00
66	Azobenzene	0.633	0.655	-3.5	97	0.00
67 S	2,4,6-Tribromophenol (SURR)	0.086	0.090	-4.7	99	0.00
68	4-Bromophenyl-phenylether	0.187	0.194	-3.7	99	0.00
69	Hexachlorobenzene	0.210	0.215	-2.4	99	0.00
70	Atrazine	0.137	0.139	-1.5	109	0.00
71	Pentachloronitrobenzene	0.070	0.073	-4.3	100	0.00
72 C	Pentachlorophenol	0.124	0.128	-3.2#	105	0.00
73	Phenanthrene	1.067	1.118	-4.8	99	0.00
74	Anthracene	1.038	1.109	-6.8	98	0.00
75	Carbazole	1.113	1.175	-5.6	98	0.00
76	Di-n-butylphthalate	1.013	1.105	-9.1	98	0.00
77 C	Fluoranthene	1.185	1.281	-8.1#	99	0.00
78	Benzidine	0.393	0.442	-12.5	120	0.00
79	Chrysene-d12	1.000	1.000	0.0	105	0.00
80	Pyrene	1.225	1.256	-2.5	100	0.00
81 S	Terphenyl-d14 (SURR)	0.854	0.901	-5.5	106	0.00
82	Butylbenzylphthalate	0.466	0.479	-2.8	103	0.00
83	3,3'-Dichlorobenzidine	0.383	0.406	-6.0	103	0.00
84	Benzo(a)anthracene	1.100	1.121	-1.9	103	0.00
85	Chrysene	1.068	1.082	-1.3	104	0.00
86	bis(2-Ethylhexyl)phthalate	0.627	0.625	0.3	102	0.00
87	Perylene-d12	1.000	1.000	0.0	103	0.00
88 C	Di-n-octylphthalate	0.926	1.034	-11.7#	102	0.00
89	Benzo(b)fluoranthene	1.109	1.228	-10.7	101	0.00
90	Benzo(k)fluoranthene	1.036	1.120	-8.1	104	0.00
91 C	Benzo(a)pyrene	1.069	1.120	-4.8#	101	0.00
92	Indeno(1,2,3-cd)pyrene	1.463	1.453	0.7	97	0.00
93	Dibenzo(a,h)anthracene	1.363	1.438	-5.5	99	0.00
94	Benzo(g,h,i)perylene	1.247	1.233	1.1	97	0.00

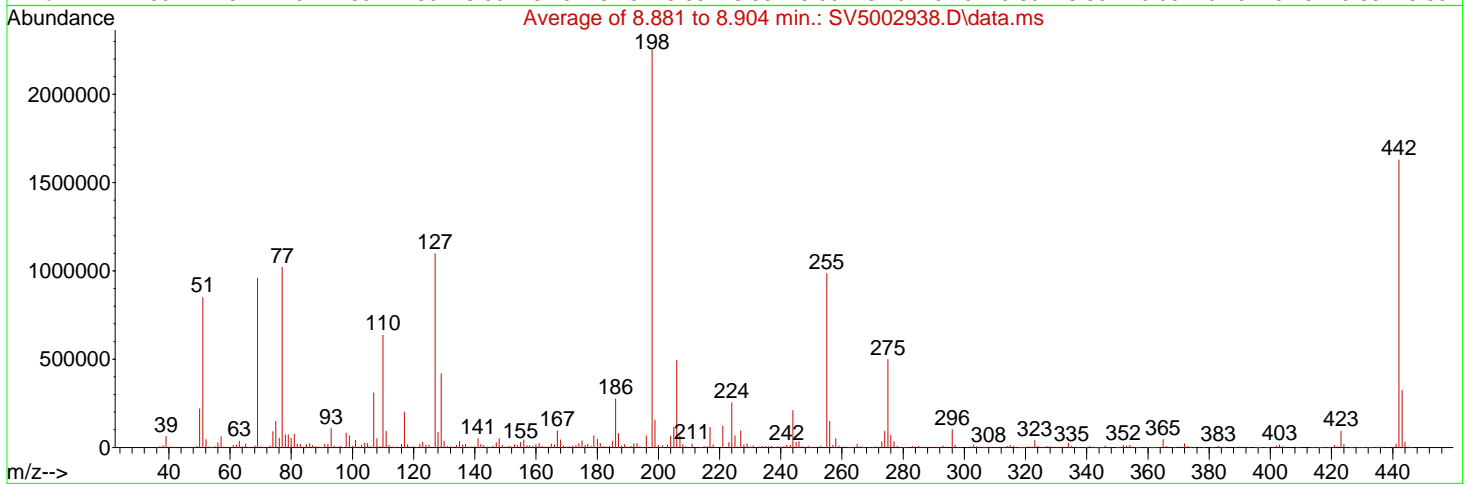
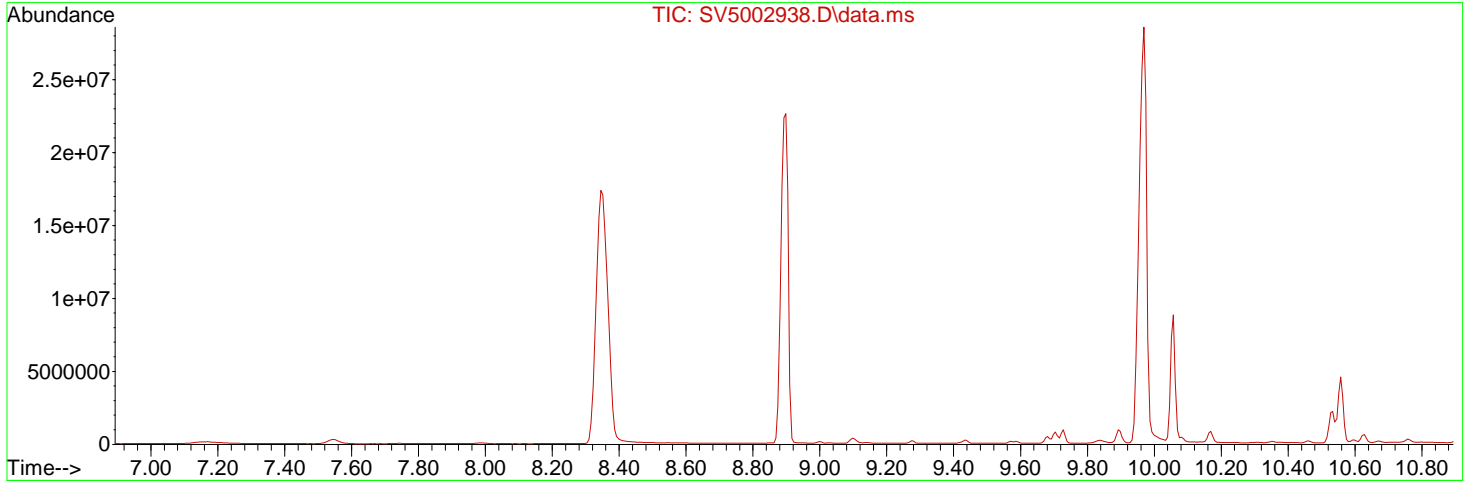
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SPCC's out = 0 CCC's out = 13

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 Data File : SV5002938.D
 Acq On : 10 Oct 2012 3:26 pm
 Operator : IBM
 Sample : CVJ0098-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Integration File: RTEINT.P

Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 Last Update : Thu Oct 11 10:59:03 2012

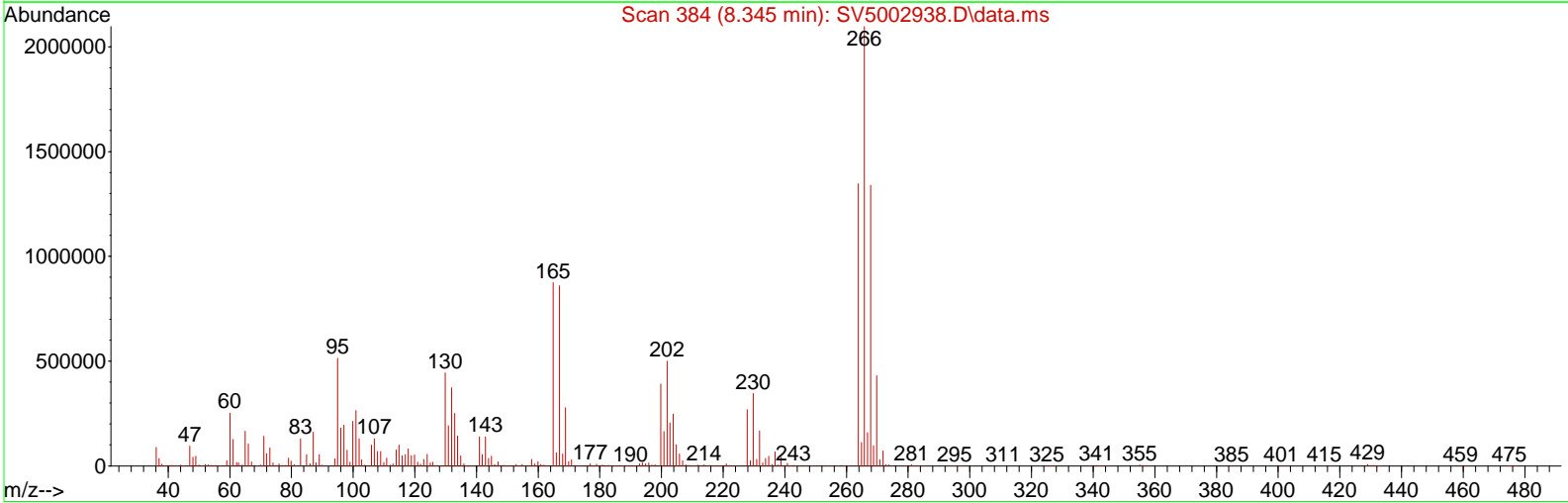
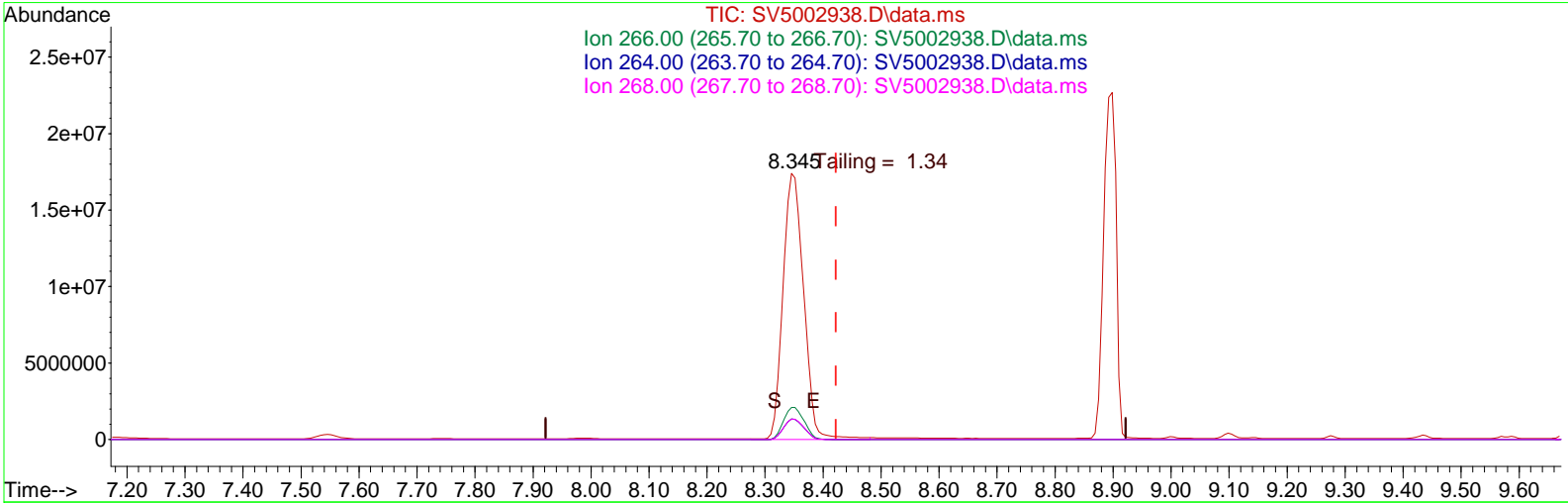


Spectrum Information: Average of 8.881 to 8.904 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	37.8	850368	PASS
68	69	0.00	2	0.9	8534	PASS
69	198	0.00	100	42.6	958643	PASS
70	69	0.00	2	0.5	5263	PASS
127	198	40	60	48.8	1098432	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	2251469	PASS
199	198	5	9	6.9	154779	PASS
275	198	10	30	22.1	498138	PASS
365	198	1	100	2.0	45181	PASS
441	443	0.01	100	6.0	19371	PASS
442	198	40	100	72.4	1629619	PASS
443	442	17	23	19.8	323437	PASS

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002938.D
 Acq On : 10 Oct 2012 3:26 pm
 Operator : IBM
 Sample : CVJ0098-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 10:58:26 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



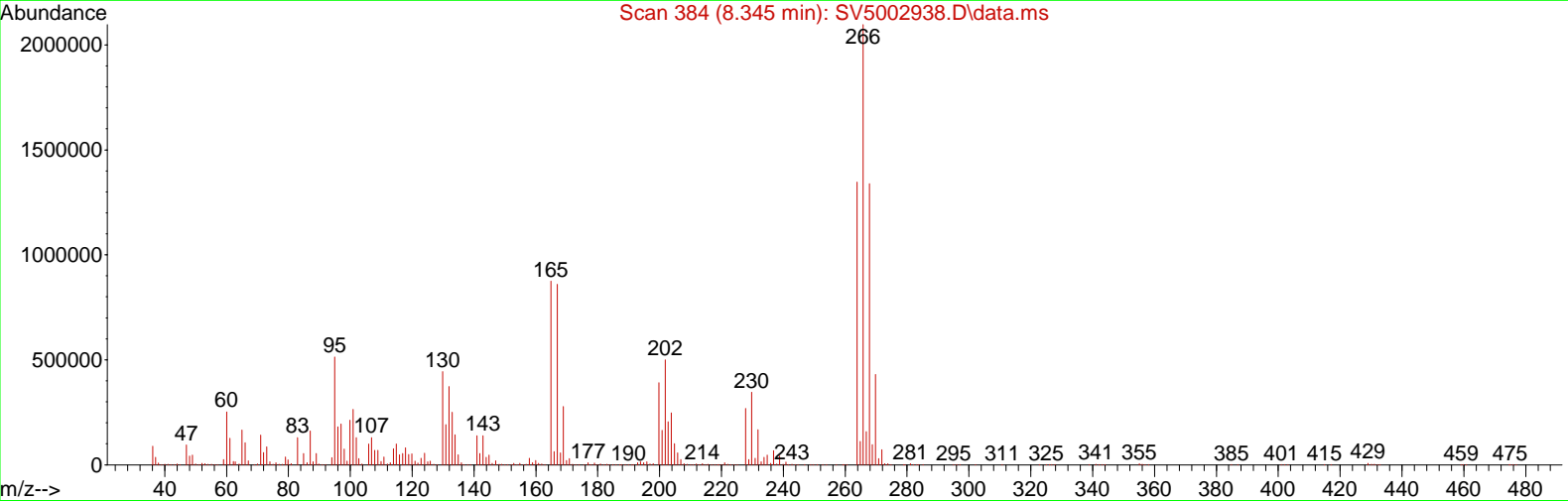
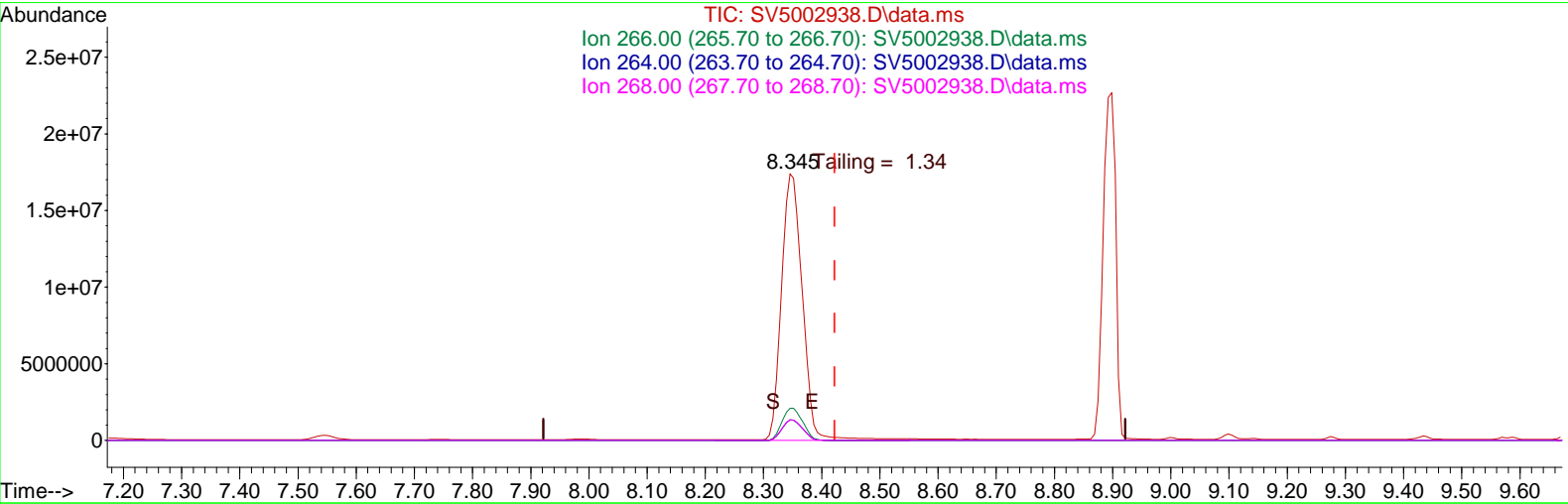
TIC: SV5002938.D\data.ms

(2) Pentachlorophenol (I)
 8.345min (-0.076) 86.46 PPM
 response 42972758

Signal	Exp%	Act%
TIC	100	100
266.00	0.00	12.34#
264.00	0.00	7.79#
268.00	0.00	7.84#

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002938.D
 Acq On : 10 Oct 2012 3:26 pm
 Operator : IBM
 Sample : CVJ0098-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 10:58:26 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



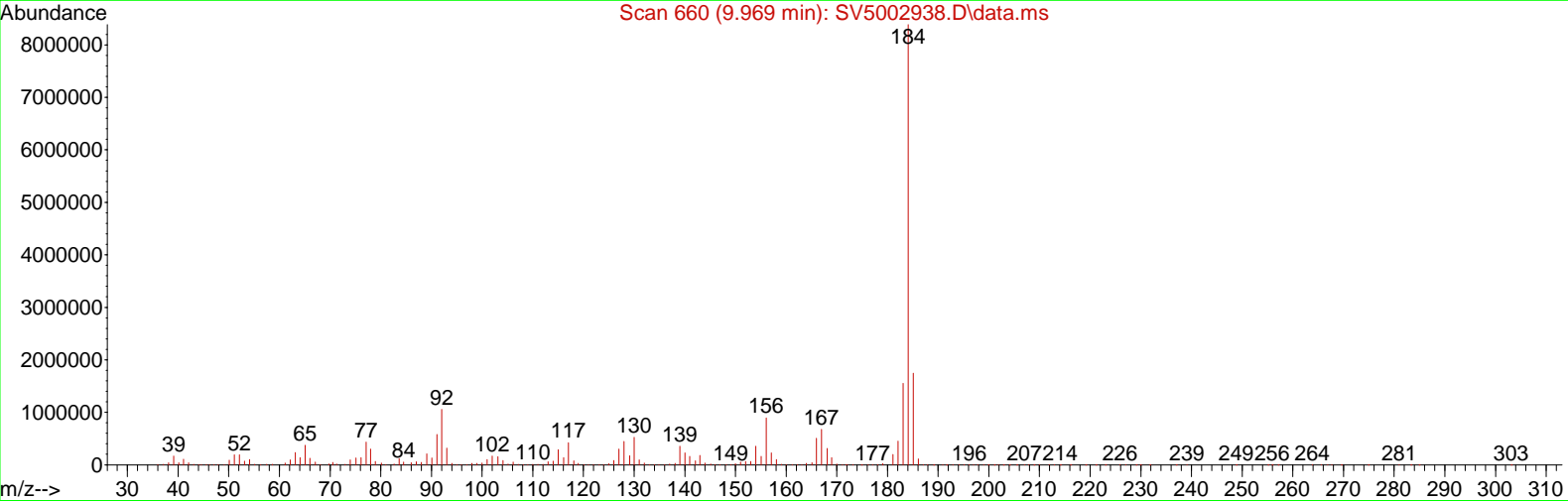
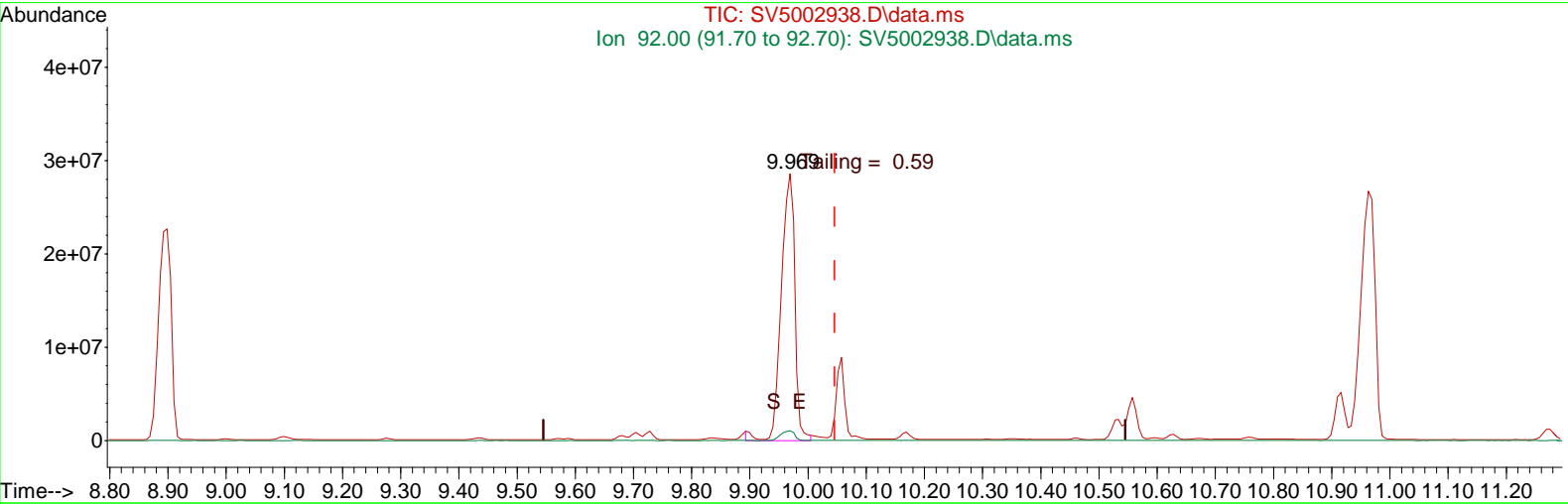
TIC: SV5002938.D\data.ms

(2) Pentachlorophenol (I)
 8.345min (-0.076) 86.46 PPM
 response 42972758

Signal	Exp%	Act%
TIC	100	100
266.00	0.00	12.34#
264.00	0.00	7.79#
268.00	0.00	7.84#

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002938.D
 Acq On : 10 Oct 2012 3:26 pm
 Operator : IBM
 Sample : CVJ0098-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 10:58:26 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration



TIC: SV5002938.D\data.ms

(3) Benzidine (I)
 9.969min (-0.076) 53.08 PPM m
 response 45882049

Signal	Exp%	Act%
TIC	100	100
92.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002938.D
 Acq On : 10 Oct 2012 3:26 pm
 Operator : IBM
 Sample : CVJ0098-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 10:59:08 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Thu Oct 04 09:42:32 2012
 Response via : Initial Calibration

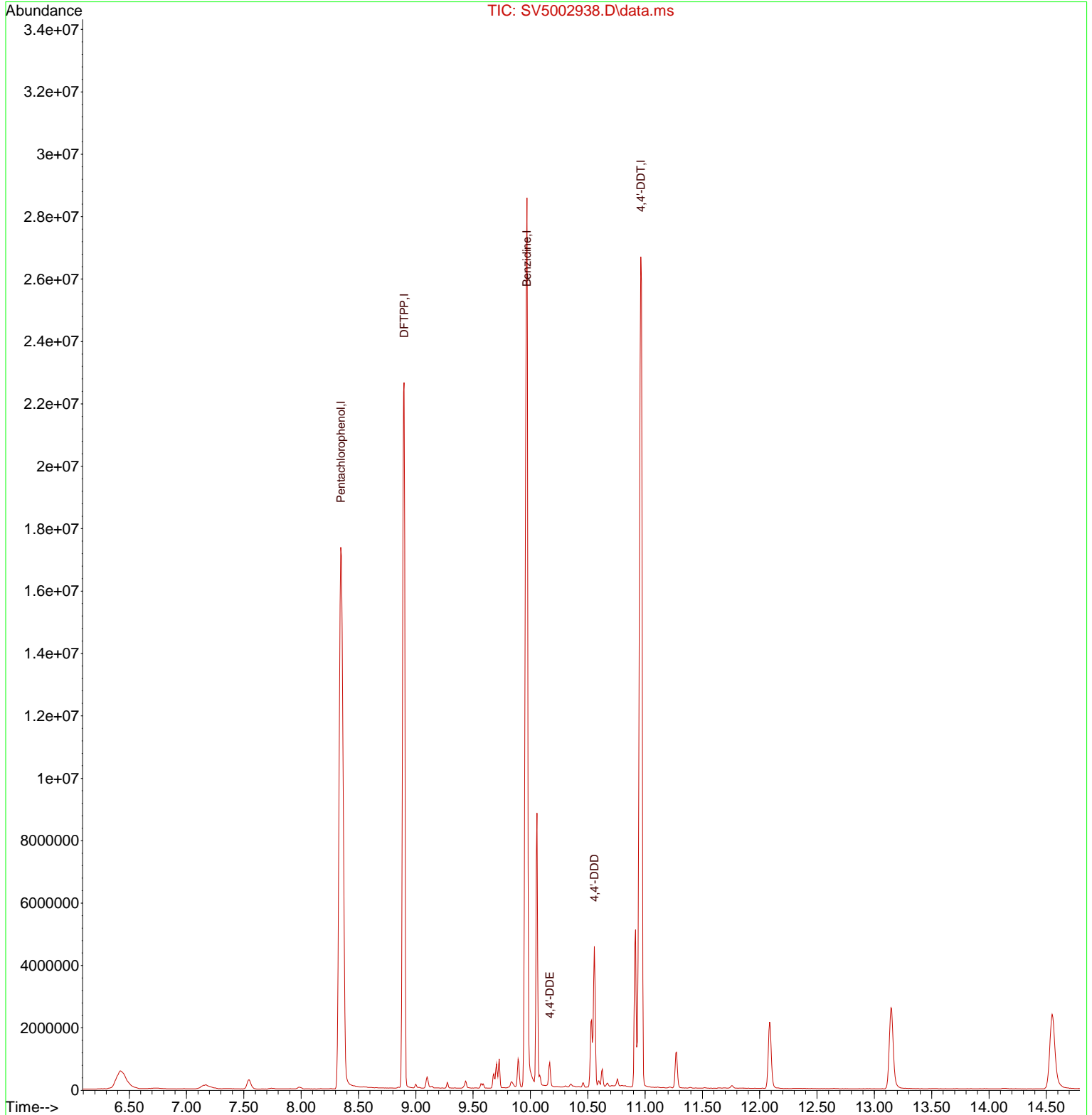
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Target Compounds							Qvalue
1) DFTPP	8.898	TIC	34296424	60.95	PPM	#	100
2) Pentachlorophenol	8.345	TIC	42972758	86.46	PPM	#	100
3) Benzidine	9.969	TIC	45882049m	53.08	PPM		
4) 4,4'-DDT	10.963	TIC	45128968	66.60	PPM	#	100
5) 4,4'-DDE	10.169	TIC	770100m	16.61	PPM		
6) 4,4'-DDD	10.557	TIC	4890395	12.86	PPM	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101012\
Data File : SV5002938.D
Acq On : 10 Oct 2012 3:26 pm
Operator : IBM
Sample : CVJ0098-TUN1
Misc :
ALS Vial : 1 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 11 10:59:08 2012
Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
Quant Title : 8270D Calibration May 2009
QLast Update : Thu Oct 04 09:42:32 2012
Response via : Initial Calibration



Data File Name SV5002938.D
Date Acquired 10/10/2012 15:26
Sample Name CVJ0098-TUN1
Instrument Name GCMS5

DDT BREAKDOWN CHECK

TARGET	RESPONSE
4,4'-DDT	45128968
4,4'-DDE	770100
4,4'-DDD	4890395

TOTAL RESPONSE	50789463
BREAKDOWN RESPONSE	5660495

BREAKDOWN % 11.15

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002939.D
 Acq On : 10 Oct 2012 3:40 pm
 Operator : IBM
 Sample : CVJ0098-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 10:59:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.351	152	526936	40.00	ng/uL	-0.03	
23) Naphthalene-d8	8.569	136	2349266	40.00	ng/uL	-0.02	
41) Acenaphthene-d10	11.563	164	1472324	40.00	ng/uL	-0.03	
62) Phenanthrene-d10	14.457	188	3057881	40.00	ng/uL	-0.03	
79) Chrysene-d12	19.997	240	3334821	40.00	ng/uL	-0.03	
87) Perylene-d12	22.791	264	3229133	40.00	ng/uL	-0.03	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	3.046	112	697367	51.87	ng/uL	-0.03	
Spiked Amount	150.000						Recovery = 34.58%
7) Phenol-d5 (SURR)	5.463	99	994389	54.00	ng/uL	-0.04	
Spiked Amount	150.000						Recovery = 36.00%
11) 2-Chlorophenol-d4 (SURR)	5.704	132	810318	51.22	ng/uL	-0.04	
Spiked Amount	150.000						Recovery = 34.15%
14) 1,2 Dichlorobenzene-d4...	6.692	152	665943	50.83	ng/uL	-0.03	
Spiked Amount	100.000						Recovery = 50.83%
24) Nitrobenzene-d5 (SURR)	7.439	82	899802	48.98	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 48.98%
45) 2-Fluorobiphenyl (SURR)	10.392	172	2939890	55.07	ng/uL	-0.02	
Spiked Amount	100.000						Recovery = 55.07%
67) 2,4,6-Tribromophenol (...)	13.074	330	316755	48.05	ng/uL	-0.03	
Spiked Amount	150.000						Recovery = 32.03%
81) Terphenyl-d14 (SURR)	17.839	244	3381041	47.48	ng/uL	-0.03	
Spiked Amount	100.000						Recovery = 47.48%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	1.028	42	201742	48.35	ng/uL		97
3) Pyridine	1.069	79	509138	51.47	ng/uL		94
5) Benzaldehyde	5.075	105	430082	52.90	ug/mL		100
6) bis(2-Chloroethyl)ether	5.681	63	532694	50.20	ng/uL		95
8) 2-Chlorophenol	5.751	128	813499	51.15	ng/uL		99
9) Phenol	5.504	94	1021622	52.67	ng/uL		99
10) Aniline	5.410	93	1226620	56.57	ng/uL		96
12) 1,3-Dichlorobenzene	6.198	146	906067	50.75	ng/uL		95
13) 1,4-Dichlorobenzene	6.392	146	929515	50.63	ng/uL		99
15) 1,2-Dichlorobenzene	6.722	146	928640	52.77	ng/uL		95
16) Benzyl Alcohol	6.734	79	719271	49.94	ng/uL		91
17) bis(2-chloroisopropyl)...	7.028	121	325237	50.52	ng/uL#		86
18) 2-Methylphenol	7.028	108	1471875	50.58	ng/uL		100
19) Acetophenone	7.204	105	1177584	50.55	ng/uL		97
20) n-Nitroso-di-n-propyla...	7.251	70	618895	48.55	ng/uL		97
21) Hexachloroethane	7.333	117	368779	50.79	ng/uL		95
22) 3+4-Methylphenol	7.316	108	1806409	50.81	ng/uL		97
25) Nitrobenzene	7.469	77	975711	49.74	ng/uL		97
26) Isophorone	7.869	82	1727527	49.08	ng/uL		98
27) 2-Nitrophenol	7.986	139	509325	50.52	ng/uL		97
28) Benzoic Acid	8.292	105	248362m	22.10	ng/uL		
29) 2,4-Dimethylphenol	8.145	107	952451	50.83	ng/uL		96
30) bis(2-Chloroethoxy)met...	8.275	93	1146486	49.96	ng/uL		99
31) 2,4-Dichlorophenol	8.392	162	802801	51.36	ng/uL		98
32) 1,2,4-Trichlorobenzene	8.504	180	893765	51.81	ng/uL		99
33) Naphthalene	8.604	128	3321622	52.24	ng/uL		100
34) 4-Chloroaniline	8.739	127	1380045	53.86	ng/uL		100
35) Hexachlorobutadiene	8.857	225	500768	53.25	ng/uL		99
36) Caprolactam	9.257	113	338723	48.06	ug/mL#		39
37) 4-Chloro-3-methylphenol	9.580	107	891874	49.78	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002939.D
 Acq On : 10 Oct 2012 3:40 pm
 Operator : IBM
 Sample : CVJ0098-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

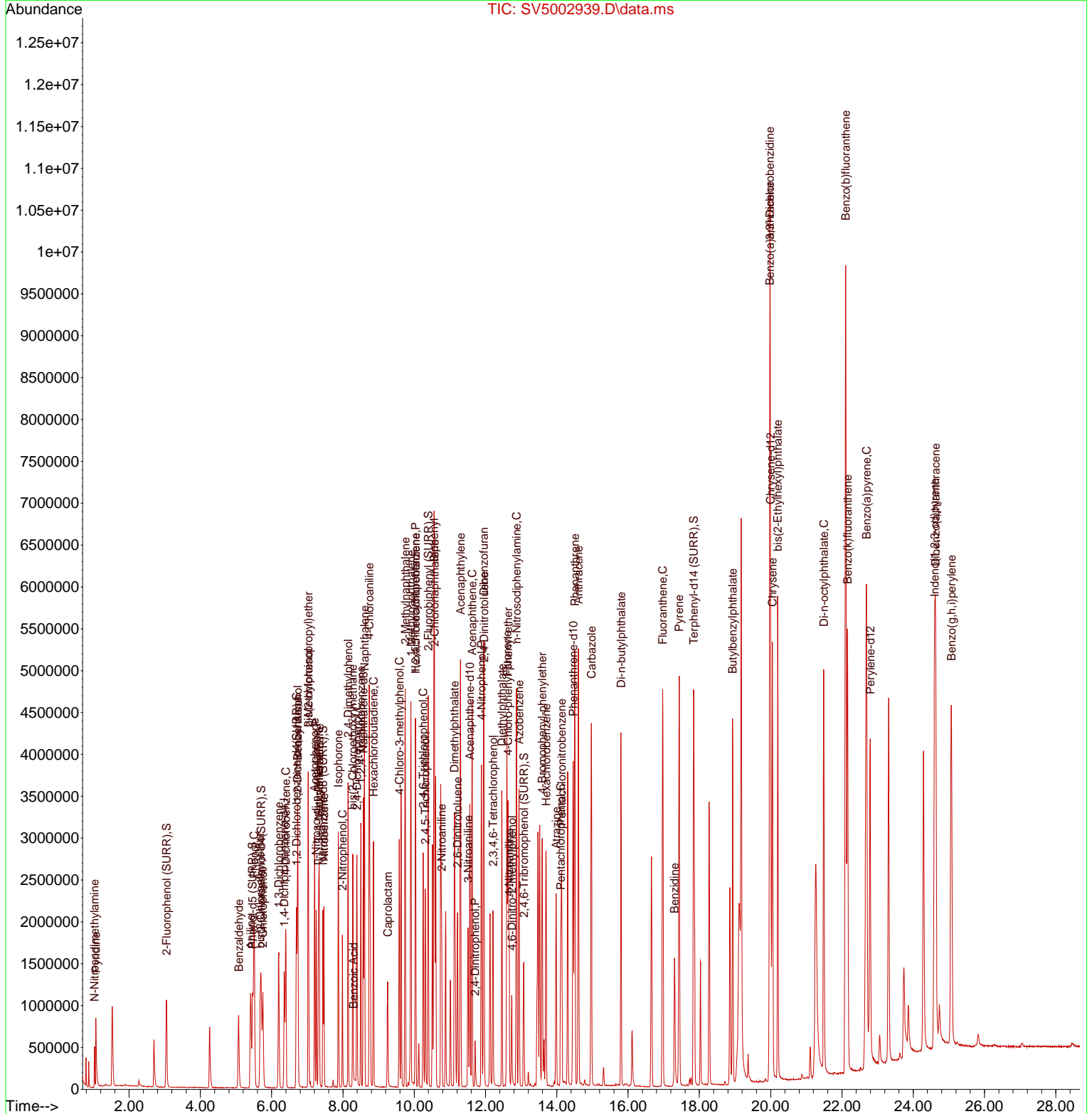
Quant Time: Oct 11 10:59:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.745	142	3810671	51.54	ng/uL	94
39) 1-Methylnaphthalene	9.904	142	3638307	52.19	ng/uL	86
40) 1,2,4,5-Tetrachloroben...	10.033	216	935362	52.41	ng/uL	99
42) Hexachlorocyclopentadiene	10.033	237	276522	49.49	ng/uL	94
43) 2,4,6-Trichlorophenol	10.251	196	594277	55.29	ng/uL	99
44) 2,4,5-Trichlorophenol	10.310	196	604732	54.99	ng/uL	98
46) Biphenyl	10.551	154	3305748	54.25	ng/uL	99
47) 2-Chloronaphthalene	10.569	162	1989597	54.80	ng/uL	98
48) Dimethylphthalate	11.127	163	2061529	52.36	ng/uL	100
49) Acenaphthylene	11.298	152	3500211	52.90	ng/uL	99
50) 2,6-Dinitrotoluene	11.216	165	501526	52.54	ng/uL	96
51) 2-Nitroaniline	10.769	65	670981	50.17	ng/uL	98
52) Acenaphthene	11.621	153	2784137	51.66	ng/uL	97
53) 2,4-Dinitrophenol	11.710	184	153479	47.65	ng/uL	98
54) Dibenzofuran	11.951	168	2647562	52.19	ng/uL	100
55) 4-Nitrophenol	11.886	65	340780	50.23	ng/uL	96
56) 3-Nitroaniline	11.510	138	582530	51.79	ng/uL	99
57) 2,4-Dinitrotoluene	11.957	165	646613	53.25	ng/uL	88
58) Fluorene	12.598	166	4354359	53.03	ng/uL	99
59) 2,3,4,6-Tetrachlorophenol	12.210	232	506109	51.37	ng/uL	97
60) Diethylphthalate	12.457	149	2052353	51.59	ng/uL	99
61) 4-Chloro-phenyl-phenyl...	12.633	204	1127995	53.34	ng/uL	95
63) 4-Nitroaniline	12.663	138	595007	44.83	ng/uL	97
64) 4,6-Dinitro-2-methylph...	12.733	198	319495	43.12	ng/uL	97
65) n-Nitrosodiphenylamine	12.868	169	3342664	47.50	ng/uL	100
66) Azobenzene	12.939	77	2333821	48.21	ng/uL	99
68) 4-Bromophenyl-phenylether	13.592	248	674757	47.31	ng/uL	91
69) Hexachlorobenzene	13.698	284	755602	47.08	ng/uL	96
70) Atrazine	13.980	200	447192	42.67	ug/mL	99
71) Pentachloronitrobenzene	14.133	237	265919	49.56	ng/uL	100
72) Pentachlorophenol	14.110	266	463787	46.08	ng/uL	96
73) Phenanthrene	14.504	178	4280130	52.48	ng/uL	100
74) Anthracene	14.604	178	4236062	53.37	ng/uL	96
75) Carbazole	14.968	167	4238498	49.83	ng/uL	100
76) Di-n-butylphthalate	15.804	149	3761281	48.56	ng/uL	100
77) Fluoranthene	16.968	202	4352491	48.06	ng/uL	98
78) Benzidine	17.303	184	1453801	48.37	ng/uL	97
80) Pyrene	17.433	202	4661149	45.62	ng/uL	97
82) Butylbenzylphthalate	18.933	149	1818330	46.77	ng/uL	93
83) 3,3'-Dichlorobenzidine	19.974	252	1654358	51.75	ng/uL	99
84) Benzo(a)anthracene	19.980	228	4647979	50.70	ng/uL	100
85) Chrysene	20.050	228	4411027	49.56	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.197	149	2619682	50.08	ng/uL	99
88) Di-n-octylphthalate	21.491	149	4293709	57.42	ng/uL	100
89) Benzo(b)fluoranthene	22.103	252	5129280	57.27	ng/uL	99
90) Benzo(k)fluoranthene	22.156	252	4531337	54.21	ng/uL	98
91) Benzo(a)pyrene	22.685	252	4445433	51.52	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.597	276	5955773	50.42	ng/uL	95
93) Dibenzo(a,h)anthracene	24.626	278	5776858	52.50	ng/uL	99
94) Benzo(g,h,i)perylene	25.068	276	5009943	49.75	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101012\
 Data File : SV5002939.D
 Acq On : 10 Oct 2012 3:40 pm
 Operator : IBM
 Sample : CVJ0098-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 10:59:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
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Data Path : Q:\SVOA\MS5\1012\101012\
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 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	-0.03
2	N-Nitrosodimethylamine	0.317	0.306	3.5	84	-0.01
3	Pyridine	0.751	0.773	-2.9	88	-0.02
4 S	2-Fluorophenol (SURR)	1.021	1.059	-3.7	86	-0.03
5	Benzaldehyde	0.509	0.653	-28.3	88	-0.03
6	bis(2-Chloroethyl)ether	0.805	0.809	-0.5	82	-0.04
7 S	Phenol-d5 (SURR)	1.398	1.510	-8.0	89	-0.04
8	2-Chlorophenol	1.207	1.235	-2.3	85	-0.04
9 C	Phenol	1.473	1.551	-5.3#	86	-0.03
10	Aniline	1.646	1.862	-13.1	87	-0.03
11 S	2-Chlorophenol-d4(SURR)	1.201	1.230	-2.4	84	-0.04
12	1,3-Dichlorobenzene	1.355	1.376	-1.5	84	-0.04
13 C	1,4-Dichlorobenzene	1.394	1.411	-1.2#	84	-0.04
14 S	1,2-Dichlorobenzene-d4(SURR)	0.995	1.011	-1.6	85	-0.03
15	1,2-Dichlorobenzene	1.336	1.410	-5.5	86	-0.03
16	Benzyl Alcohol	1.093	1.092	0.1	80	-0.02
17	bis(2-chloroisopropyl)ether	0.489	0.494	-1.0	85	-0.02
18	2-Methylphenol	2.209	2.235	-1.2	83	-0.02
19	Acetophenone	1.769	1.788	-1.1	82	-0.02
20 P	n-Nitroso-di-n-propylamine	0.968	0.940	2.9	79	-0.02
21	Hexachloroethane	0.551	0.560	-1.6	83	-0.02
22	3+4-Methylphenol	2.699	2.743	-1.6	82	-0.02
23	Naphthalene-d8	1.000	1.000	0.0	85	-0.02
24 S	Nitrobenzene-d5 (SURR)	0.313	0.306	2.2	81	-0.02
25	Nitrobenzene	0.334	0.332	0.6	81	-0.02
26	Isophorone	0.599	0.588	1.8	80	-0.02
27 C	2-Nitrophenol	0.172	0.173	-0.6#	82	-0.02
28	Benzoic Acid	0.191	0.169	11.5	85	-0.02
29	2,4-Dimethylphenol	0.319	0.324	-1.6	82	-0.02
30	bis(2-Chloroethoxy)methane	0.391	0.390	0.3	82	-0.02
31 C	2,4-Dichlorophenol	0.266	0.273	-2.6#	84	-0.02
32	1,2,4-Trichlorobenzene	0.294	0.304	-3.4	85	-0.02
33	Naphthalene	1.083	1.131	-4.4	83	-0.02
34	4-Chloroaniline	0.436	0.470	-7.8	85	-0.02
35 C	Hexachlorobutadiene	0.160	0.171	-6.9#	87	-0.02
36	Caprolactam	0.120	0.115	4.2	80	-0.02
37 C	4-Chloro-3-methylphenol	0.305	0.304	0.3#	82	-0.02
38	2-Methylnaphthalene	1.259	1.298	-3.1	83	-0.02
39	1-Methylnaphthalene	1.187	1.239	-4.4	83	-0.02
40	1,2,4,5-Tetrachlorobenzene	0.304	0.319	-4.9	85	-0.02
41	Acenaphthene-d10	1.000	1.000	0.0	79	-0.03
42 P	Hexachlorocyclopentadiene	0.131	0.150	-14.5	82	-0.03
43 C	2,4,6-Trichlorophenol	0.292	0.323	-10.6#	85	-0.02
44	2,4,5-Trichlorophenol	0.299	0.329	-10.0	83	-0.02
45 S	2-Fluorobiphenyl (SURR)	1.450	1.597	-10.1	81	-0.02
46	Biphenyl	1.655	1.796	-8.5	80	-0.03
47	2-Chloronaphthalene	0.986	1.081	-9.6	82	-0.02
48	Dimethylphthalate	1.070	1.120	-4.7	78	-0.03
49	Acenaphthylene	1.798	1.902	-5.8	77	-0.02
50	2,6-Dinitrotoluene	0.259	0.273	-5.4	78	-0.02
51	2-Nitroaniline	0.363	0.365	-0.6	75	-0.02

Data Path : Q:\SVOA\MS5\1012\101012\
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 Operator : IBM
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 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 11 10:59:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AT.M
 Quant Title : 8270 SOIL CAL(1210012) AQ CAL(1210013)
 QLast Update : Tue Oct 09 17:22:40 2012
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 C	Acenaphthene	1.464	1.513	-3.3#	77	-0.03
53 P	2,4-Dinitrophenol	0.118	0.083	29.7	82	-0.02
54	Dibenzofuran	1.378	1.439	-4.4	77	-0.02
55 P	4-Nitrophenol	0.184	0.185	-0.5	77	-0.02
56	3-Nitroaniline	0.306	0.317	-3.6	76	-0.02
57	2,4-Dinitrotoluene	0.330	0.351	-6.4	78	-0.02
58	Fluorene	2.231	2.366	-6.1	78	-0.03
59	2,3,4,6-Tetrachlorophenol	0.268	0.275	-2.6	78	-0.02
60	Diethylphthalate	1.081	1.115	-3.1	77	-0.03
61	4-Chloro-phenyl-phenyl ethe	0.575	0.613	-6.6	79	-0.03
62	Phenanthrene-d10	1.000	1.000	0.0	94	-0.03
63	4-Nitroaniline	0.174	0.156	10.3	80	-0.02
64	4,6-Dinitro-2-methylphenol	0.102	0.084	17.6	85	-0.03
65 C	n-Nitrosodiphenylamine	0.921	0.875	5.0#	83	-0.03
66	Azobenzene	0.633	0.611	3.5	83	-0.03
67 S	2,4,6-Tribromophenol (SURR)	0.086	0.083	3.5	84	-0.03
68	4-Bromophenyl-phenylether	0.187	0.177	5.3	83	-0.03
69	Hexachlorobenzene	0.210	0.198	5.7	84	-0.03
70	Atrazine	0.137	0.117	14.6	85	-0.03
71	Pentachloronitrobenzene	0.070	0.070	0.0	88	-0.03
72 C	Pentachlorophenol	0.124	0.121	2.4#	92	-0.03
73	Phenanthrene	1.067	1.120	-5.0	92	-0.03
74	Anthracene	1.038	1.108	-6.7	91	-0.03
75	Carbazole	1.113	1.109	0.4	86	-0.02
76	Di-n-butylphthalate	1.013	0.984	2.9	81	-0.02
77 C	Fluoranthene	1.185	1.139	3.9#	82	-0.03
78	Benzidine	0.393	0.380	3.3	96	-0.03
79	Chrysene-d12	1.000	1.000	0.0	98	-0.03
80	Pyrene	1.225	1.118	8.7	83	-0.03
81 S	Terphenyl-d14 (SURR)	0.854	0.811	5.0	89	-0.03
82	Butylbenzylphthalate	0.466	0.436	6.4	87	-0.03
83	3,3'-Dichlorobenzidine	0.383	0.397	-3.7	94	-0.03
84	Benzo(a)anthracene	1.100	1.115	-1.4	95	-0.02
85	Chrysene	1.068	1.058	0.9	94	-0.03
86	bis(2-Ethylhexyl)phthalate	0.627	0.628	-0.2	95	-0.03
87	Perylene-d12	1.000	1.000	0.0	93	-0.03
88 C	Di-n-octylphthalate	0.926	1.064	-14.9#	94	-0.03
89	Benzo(b)fluoranthene	1.109	1.271	-14.6	94	-0.03
90	Benzo(k)fluoranthene	1.036	1.123	-8.4	94	-0.03
91 C	Benzo(a)pyrene	1.069	1.101	-3.0#	89	-0.04
92	Indeno(1,2,3-cd)pyrene	1.463	1.476	-0.9	89	-0.03
93	Dibenzo(a,h)anthracene	1.363	1.431	-5.0	88	-0.04
94	Benzo(g,h,i)perylene	1.247	1.241	0.5	88	-0.04

(#) = Out of Range

SPCC's out = 0 CCC's out = 13

PAH Logbooks

HOLDING TIME SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210126

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SSSWB01	10/03/12 10:50	10/04/12 13:30	10/06/12 09:45	2.95	14.00	10/11/12 00:32	4.62	40.00	
SSSWS01	10/03/12 10:53	10/04/12 13:30	10/06/12 09:45	2.95	14.00	10/11/12 01:05	4.64	40.00	
SSSWW01	10/03/12 10:56	10/04/12 13:30	10/06/12 09:45	2.95	14.00	10/11/12 01:38	4.66	40.00	
SSSWN01	10/03/12 11:00	10/04/12 13:30	10/06/12 09:45	2.95	14.00	10/11/12 02:11	4.68	40.00	
SSSWE01	10/03/12 11:04	10/04/12 13:30	10/06/12 09:45	2.95	14.00	10/11/12 02:44	4.71	40.00	

SVOA

ESS LABORATORY MS5 RUN LOG

DATE: 10/09/12 Work orders reported: 1210124,126 SEMIS
 ANALYST: IBM

METHOD: SV5AT MATRIX: SOIL SEQ ID: CVJ0082 CAL ID: 1210012
 Internal Std: 2I07103 Tune Method: DFTPP AQ: 1210013

METHOD (2): SV5AT MATRIX: SOIL SEQ ID: CVJ0083 CAL ID: 1210012
 Internal Std: 2I07103 Tune Method: DFTPP AQ: 1210013

VIAL #	SAMPLE ID	METHOD	FILE ID	M	STD ID/COMMENTS	BATCH ID	MATRIX	RW	RPT	IMP	BY
1	CVJ0082-TUN1	DFTPP	SV5002897	1	2I24070			IBM	X		GMV
2	CVJ0082-CCV1	SV5A	SV5002898	1	2J03037			IBM	X		GMV
3	CJ20519-BLK1	SV5A	SV5002899	1		CJ20519	S	IBM	X		GMV
4	CJ20519-BS1	SV5A	SV5002900	1		CJ20519	S	IBM	X		GMV
5	CJ20519-BSD1	SV5A	SV5002901	1		CJ20519	S	IBM	X		GMV
6	CJ20907-BLK1	SV5A	SV5002902	1		CJ20907	S	IBM	X		
7	CJ20907-BS1	SV5A	SV5002903	1		CJ20907	S	IBM	X		
8	CJ20907-BSD1	SV5A	SV5002904	1		CJ20907	S	IBM	X		
9	1210160-01	SV5A	SV5002905	1		CJ20907	S	IBM	X		X
10	1210160-02	SV5A	SV5002906	1		CJ20907	S	IBM	X		X
1	CVJ0083-TUN1	DFTPP	SV5002907	1	2I24070			IBM	X		GMV
2	CVJ0083-CCV1	SV5A	SV5002908	1	2J03037			IBM	X		GMV
76	1210179-01	SV5A	SV5002909	1		CJ20907	S	IBM	X		X
77	1210179-02	SV5A	SV5002910	1		CJ20907	S	IBM	X		X
78	1210179-03	SV5A	SV5002911	1		CJ20907	S	IBM	X		X
79	1210179-04	SV5A	SV5002912	1		CJ20907	S	IBM	X		X
80	1210155-01	SV5A	SV5002913	1		CJ20519	S	IBM	X		X
81	1210156-01	SV5A	SV5002914	1	RE	CJ20907	S	IBM	X		X
82	1210156-02	SV5A	SV5002915	1		CJ20519	S	IBM	X		X
83	1210170-01	SV5A	SV5002916	1		CJ20519	S	IBM	X		X
84	1210170-02	SV5A	SV5002917	1	RE	CJ20907	S	IBM	X		X
85	1210170-03	SV5A	SV5002918	1		CJ20519	S	IBM	X		X
86	1210080-01	SV5A	SV5002919	1		CJ20519	S	IBM	X		X
87	1210094-01	SV5A	SV5002920	1		CJ20519	S	IBM	X		X
88	1210094-02	SV5A	SV5002921	1		CJ20519	S	IBM	X		X
89	1210124-01	SV5A	SV5002922	1		CJ20519	S	IBM	X		GMV
90	1210124-02	SV5A	SV5002923	1	BAD INJECTION - RR	CJ20519	S	O	O		
91	1210124-03	SV5A	SV5002924	1	NEEDS 10X	CJ20519	S	IBM	X		GMV
92	1210124-04	SV5A	SV5002925	1		CJ20519	S	IBM	X		GMV
93	1210148-01	SV5A	SV5002926	1		CJ20907	S	IBM	X		X
94	1210148-02	SV5A	SV5002927	1	NOT RUN (TIME)	CJ20907	S				
95	1210148-03	SV5A	SV5002928	1	NOT RUN (TIME)	CJ20907	S				

QUADS: BENZALDEHYDE, 2,4-DNP
 SCV: BENZALDEHYDE 13%, BENZIDINE 65%
 CCAL1: OK
 CCAL2:
 Comments:

Review (includes a check and review of manual integrations)

SEP 10/12/2012 3:04 PM

SVOA

ESS LABORATORY MS5 RUN LOG

DATE 10/10/12 Work orders reported: _____
 ANALYST IBM

METHOD SV5AT MATRIX _____ SEQ ID _____ CAL ID _____
 Internal Std: 2I07103 SOIL CVJ0093 1210012
 Tune Method: DFTPP AQ CVJ0094 1210013

METHOD (2) SV5AT MATRIX _____ SEQ ID _____ CAL ID _____
 Internal Std: 2I07103 SOIL CVJ0098 1210012
 Tune Method: DFTPP AQ CVJ0099 1210013

VIAL #	SAMPLE ID	METHOD	FILE ID	M	STD ID/COMMENTS	BATCH ID	MATRIX	RW	RPT	IMP	BY
1	CVJ0093-TUN1	DFTPP	SV5002929	1	2I24070			IBM	X		
2	CVJ0093-CCV1	SV5A	SV5002930	1	2J03037			IBM	X		
3	CJ20920-BLK1	SV5A	SV5002931	1		CJ20920	A/S	IBM	X		
4	CJ20920-BS1	SV5A	SV5002932	1		CJ20920	A/S	IBM	X		
5	CJ20920-BSD1	SV5A	SV5002933	1		CJ20920	A/S	IBM	X		
6	CJ20920-BLK2	SV5A	SV5002934	1	TCLP	CJ20920	S	IBM	X		
7	1210123-01	SV5A	SV5002935	1	TCLP	CJ20920	S	IBM	X	X	
8	1210125-01	SV5A	SV5002936	1	TCLP	CJ20920	S	IBM	X	X	
9	1210100-01	SV5A	SV5002937	1	3 ACID SURRS LOW	CJ20920	A	IBM	X	X	
1	CVJ0098-TUN1	DFTPP	SV5002938	1	2I24070 3:26 PM			IBM	X		GMV
2	CVJ0098-CCV1	SV5A	SV5002939	1	2J03037			IBM	X		GMV
3	1210108-01	SV5A	SV5002940	1		CJ20920	A	IBM	X	X	
4	1210109-01	SV5A	SV5002941	1		CJ20920	A	IBM	X	X	
5	1210110-01	SV5A	SV5002942	1	S8 LO	CJ20920	A	IBM	X	X	
6	1210111-01	SV5A	SV5002943	1		CJ20920	A	IBM	X	X	
7	1210113-01	SV5A	SV5002944	1	S8 LO	CJ20920	A	IBM	X	X	
8	1210100-01	SV5A	SV5002945	1	10X	CJ20920	A	IBM	X	X	
9	1210132-01	SV5A	SV5002946	1		CJ20907	S	IBM	X	X	
10	1210132-02	SV5A	SV5002947	1		CJ20907	S	IBM	X	X	
11	1210132-03	SV5A	SV5002948	1		CJ20907	S	IBM	X	X	
12	1210132-04	SV5A	SV5002949	1		CJ20907	S	IBM	X	X	
13	1210148-02	SV5A	SV5002950	1		CJ20907	S	IBM	X	X	
14	1210148-03	SV5A	SV5002951	1		CJ20907	S	IBM	X	X	
15	1210136-01	SV5A	SV5002952	1	NEEDS 10X	CJ20907	S	IBM	X		
16	1210124-03	SV5A	SV5002953	1	10X	CJ20519	S	IBM	X		GMV
17	1210124-02	SV5A	SV5002954	1		CJ20519	S	IBM	X		GMV
18	1210126-01	SV5A	SV5002955	1		CJ20519	S	IBM	X		GMV
19	1210126-02	SV5A	SV5002956	1		CJ20519	S	IBM	X		GMV
20	1210126-03	SV5A	SV5002957	1		CJ20519	S	IBM	X		GMV
21	1210126-04	SV5A	SV5002958	1		CJ20519	S	IBM	X		GMV
22	1210126-05	SV5A	SV5002959	1		CJ20519	S	IBM	X		GMV
23	1210137-01	SV5A	SV5002960	1	3:18 AM	CJ20519	S	IBM	X		
24	1210137-02	SV5A	SV5002961	1	OOTT - RR	CJ20519	S	O	O		

QUADS: BENZALDEHYDE, 2,4-DNP
 SCV: BENZALDEHYDE 13%, BENZIDINE 65%
 CCAL1: DNOP 121%

Comments: _____

Review (includes a check and review of manual integrations)

SEP 10/12/2012 3:09 PM

ESS Laboratory Percent Solids Logbook

LabNumber	Analysis	Prepared	PreparedBy	Pan Weight (g)	Initial	Final	Source	Final Result
CJ21010-BLK1	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	1.3		100
1210124-01	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.3		90
1210124-02	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	9.7		84
1210124-03	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	9.9		86
1210124-04	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.1		88
CJ21010-DUP1	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.1	1210124-04	88
1210126-01	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.7		94
1210126-02	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.7		94
1210126-03	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.7		94
1210126-04	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.7		94
1210126-05	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.8		95
1210126-06	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.5		92
1210126-07	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.6		93
1210126-08	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.4		91
1210126-09	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.5		92
1210126-10	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.3		90
1210126-11	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.5		92
1210126-12	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.5		92
1210126-13	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.5		92
1210126-14	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.5		92
1210126-15	OP: Percent Solids	10/10/2012 18:40	GAB	1.3	11.3	10.3		90
Units: Initial & Final = g								

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100126
Date Project Due: 10/11/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|---|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> * Yes |
| Cooler Temp: <u>3.7</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Iced With: <u>Icepacks</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: <u>06-05</u> | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: _____ | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: <u>Dioxin EPA 8290</u> | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: <u>Std</u> | |
| 18. Was there need to call project manager to discuss status? If yes, please explain. | _____ | | |
| | _____ | | |
| | _____ | | |

Who was called?: _____

By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	2	NP
2	Yes	4 oz Soil Jar	2	NP
3	Yes	4 oz Soil Jar	2	NP
4	Yes	4 oz Soil Jar	2	NP
5	Yes	4 oz Soil Jar	2	NP
6	Yes	4 oz Soil Jar	1	NP
6	Yes	8 oz Soil Jar	1	NP
7	Yes	4 oz Soil Jar	1	NP
7	Yes	8 oz Soil Jar	1	NP
8	Yes	4 oz Soil Jar	1	NP
8	Yes	8 oz Soil Jar	1	NP
9	Yes	4 oz Soil Jar	1	NP
9	Yes	8 oz Soil Jar	1	NP
10	Yes	4 oz Soil Jar	1	NP
10	Yes	8 oz Soil Jar	1	NP
11	Yes	4 oz Soil Jar	1	NP
11	Yes	8 oz Soil Jar	1	NP
12	Yes	4 oz Soil Jar	1	NP
12	Yes	8 oz Soil Jar	1	NP
13	Yes	4 oz Soil Jar	1	NP
13	Yes	8 oz Soil Jar	1	NP
14	Yes	4 oz Soil Jar	1	NP
14	Yes	8 oz Soil Jar	1	NP
15	Yes	4 oz Soil Jar	1	NP
15	Yes	8 oz Soil Jar	1	NP

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental

ESS Project ID: 12100126

Completed By: JK

Date/Time: 10/4/12

Reviewed By: KAS

Date/Time: 10/4/12

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 2

Turn Time Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA (U) CT NH NJ NY ME Other _____
 Is this project for any of the following: USACE Other _____
 MA-MCP Navy

Reporting Limits
RDEL - Res.
 Electronic Deliverable Yes No
 Format: Excel ___ Access ___ PDF ___ Other **EQVIST**

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis
1	10.3.12	1050	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSWB01	1	2 G	X	PAH (EPA 827c) Lead (EPA 6010) Dioxin (EPA 829c)
2		1053	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSW501	1	2 G	X	
3		1056	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSW01	1	2 G	X	
4		1100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSWN01	1	2 G	X	
5		1104	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSSWE01	1	2 G	X	
6		1115	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2B01	1	2 G	X	
7		1118	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2W01	1	2 G	X	
8		1121	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2N01	1	2 G	X	
9		1125	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2E01	1	2 G	X	
10		1129	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW2S01	1	2 G	X	

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge W-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: Yes ___ No ___ Internal Use Only

Seals Intact: Yes ___ No **NAX** ___ [] Pickup [] Technicians

Cooler Temp: **3.71c**

Preservation Code: 1-NP, 2-HCl, 3-H₂SO₄, 4-HNO₃, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by: **Phil Muller**

Comments: _____

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Phil Muller</i>	10.4.12 1330	<i>Phil Muller</i>	10.4.12 1330

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A
 Please fax all changes to Chain of Custody in writing.
 1 (White) Lab Copy 2 (Yellow) Client Receipt
 10/26/04 A

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time _____ Standard _____ Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA RI CT NH NJ NY ME Other _____
 Is this project for any of the following: USACE Navy Other _____
 MA-MCP _____

Reporting Limits
RINEL - Res.
 Electronic Deliverable Yes No
 Format: Excel _____ Access _____ PDF _____ Other **EQVIS**

ESS LAB PROJECT ID
210126

Project # **3650110213** Project Name (20 Char. or less) **Gorham Parcel C-1 Cap**

Contact Person **Kelly Chatterton** Address **107 Audubon Rd. Suite 301**

City **Wakefield** State **MA** Zip **01080** PO# _____

Telephone # **781 245-6606** Fax # _____ Email Address **Kelly.chatterton@amel.com**

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis
11	10-3-12	1138	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW1B01	1	2 G	Lead (EPA 6010) Dioxin (EPA 8290)	
12		1142	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW1S01	1	2 G		
13		1146	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW1W01	1	2 G		
14		1151	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW1N01	1	2 G		
15		1155	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	S	SSNW1E01	1	2 G		

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present Yes No Internal Use Only Yes No NA: Pickup Technicians _____

Seals Intact Yes No NA: Pickup Technicians _____

Cooler Temp: **3.7 ice**

Preservation Code 1- NP; 2- HCl; 3- H₂SO₄; 4- HNO₃; 5- NaOH; 6- MeOH; 7- Asorbic Acid; 8- ZnAct; 9- _____

Sampled by: **Phil Muller**

Comments: _____

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Phil Muller</i>	10-12-13 1330	<i>Kellan</i>	10-14-13 1330
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time



CERTIFICATE OF ANALYSIS

FILE COPY

Kelly Chatterton
AMEC Environmental and Infrastructure
107 Audubon Road, Suite 301
Wakefield, MA 01880

RE: Gorham Parcel C-1 Cap (3650110213)
ESS Laboratory Work Order Number: 1210127

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 5:35 pm, Oct 31, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210127

SAMPLE RECEIPT

The following samples were received on October 04, 2012 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1210127-01	TP0706-RA100212	Soil	1312/6010B, 6010B
1210127-02	TP1107-RA100212	Soil	1312/6010B, 6010B
1210127-03	TP0903-RA100212	Soil	1312/6010B, 6010B
1210127-04	TP0904-RA100212	Soil	1312/6010B, 6010B
1210127-05	TP0410-RA100212	Soil	1312/6010B, 6010B
1210127-06	TP0608-RA100212	Soil	1312/6010B, 6010B
1210127-07	TP0505-RA100212	Soil	1312/6010B, 6010B
1210127-08	TP0810-RA100212	Soil	1312/6010B, 6010B
1210127-09	TP0104-RA100212	Soil	1312/6010B, 6010B
1210127-10	TP0205-RA100312	Soil	1312/6010B, 6010B
1210127-11	TP0305-RA100312	Soil	1312/6010B, 6010B
1210127-12	TP1002-RA100412	Soil	1312/6010B, 6010B



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210127

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0706-RA100212
Date Sampled: 10/02/12 11:40
Percent Solids: 88

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-01
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (0.010)	1312/6010B		1	JP	10/11/12 17:48	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0706-RA100212
Date Sampled: 10/02/12 11:40
Percent Solids: 88

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	434 (5.5)	6010B	150	1	JP	10/06/12 23:41	2.07	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP1107-RA100212
Date Sampled: 10/02/12 12:00
Percent Solids: 84

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-02
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (0.010)	1312/6010B		1	JP	10/11/12 17:52	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP1107-RA100212
Date Sampled: 10/02/12 12:00
Percent Solids: 84

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	17.7 (3.8)	6010B	150	1	JP	10/06/12 23:45	3.12	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0903-RA100212
Date Sampled: 10/02/12 13:00
Percent Solids: 76

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-03
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.146 (0.010)	1312/6010B		1	JP	10/11/12 17:56	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0903-RA100212
Date Sampled: 10/02/12 13:00
Percent Solids: 76

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	4510 (63.0)	6010B	150	10	JP	10/09/12 23:35	2.09	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0904-RA100212
Date Sampled: 10/02/12 13:05
Percent Solids: 77

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-04
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.031 (0.010)	1312/6010B		1	JP	10/11/12 18:01	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0904-RA100212
Date Sampled: 10/02/12 13:05
Percent Solids: 77

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	440 (6.4)	6010B	150	1	JP	10/06/12 23:54	2.03	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0410-RA100212
Date Sampled: 10/02/12 13:25
Percent Solids: 87

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-05
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.048 (0.010)	1312/6010B		1	JP	10/11/12 18:05	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0410-RA100212
Date Sampled: 10/02/12 13:25
Percent Solids: 87

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	284 (5.2)	6010B	150	1	JP	10/06/12 23:58	2.21	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0608-RA100212
Date Sampled: 10/02/12 14:20
Percent Solids: 91

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-06
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.169 (0.010)	1312/6010B		1	JP	10/11/12 18:09	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0608-RA100212
Date Sampled: 10/02/12 14:20
Percent Solids: 91

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	3820 (51.9)	6010B	150	10	JP	10/09/12 23:40	2.12	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0505-RA100212
Date Sampled: 10/02/12 14:35
Percent Solids: 81

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-07
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.254 (0.010)	1312/6010B		1	JP	10/11/12 18:13	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0505-RA100212
Date Sampled: 10/02/12 14:35
Percent Solids: 81

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	2510 (50.0)	6010B	150	10	JP	10/09/12 23:44	2.47	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0810-RA100212
Date Sampled: 10/02/12 14:45
Percent Solids: 89

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-08
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.019 (0.010)	1312/6010B		1	JP	10/11/12 18:26	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0810-RA100212
Date Sampled: 10/02/12 14:45
Percent Solids: 89

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	91.6 (5.5)	6010B	150	1	JP	10/07/12 0:10	2.03	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0104-RA100212
Date Sampled: 10/02/12 15:00
Percent Solids: 84

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-09
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (0.010)	1312/6010B		1	JP	10/11/12 18:31	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0104-RA100212
Date Sampled: 10/02/12 15:00
Percent Solids: 84

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-09
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	ND (3.9)	6010B	150	1	JP	10/07/12 0:23	3.07	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0205-RA100312
Date Sampled: 10/03/12 07:35
Percent Solids: 78

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-10
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.109 (0.010)	1312/6010B		1	JP	10/11/12 18:35	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0205-RA100312
Date Sampled: 10/03/12 07:35
Percent Solids: 78

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-10
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	719 (4.1)	6010B	150	1	JP	10/07/12 0:27	3.14	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0305-RA100312
Date Sampled: 10/03/12 07:45
Percent Solids: 84

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-11
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.090 (0.010)	1312/6010B		1	JP	10/11/12 19:00	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP0305-RA100312
Date Sampled: 10/03/12 07:45
Percent Solids: 84

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-11
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	350 (4.0)	6010B	150	1	JP	10/07/12 0:50	3	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP1002-RA100412
Date Sampled: 10/04/12 09:10
Percent Solids: 83

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-12
Sample Matrix: Soil
Units: mg/L

1312/6000/7000 SPLP Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>SPLP Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	0.358 (0.010)	1312/6010B		1	JP	10/11/12 19:05	50	25	CJ21017



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: TP1002-RA100412
Date Sampled: 10/04/12 09:10
Percent Solids: 83

ESS Laboratory Work Order: 1210127
ESS Laboratory Sample ID: 1210127-12
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Lead	3580 (39.5)	6010B	150	10	JP	10/09/12 23:57	3.05	100	CJ20518



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210127

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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1312/6000/7000 SPLP Metals

Batch CJ21017 - 3005A_TCLP

Blank

Lead	ND	0.010	mg/L							
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LCS

Lead	0.257	0.010	mg/L	0.2500		103	80-120			
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LCS Dup

Lead	0.256	0.010	mg/L	0.2500		102	80-120	0.6	20	
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3050B/6000/7000 Total Metals

Batch CJ20518 - 3050B

Blank

Lead	ND	5.0	mg/kg wet							
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LCS

Lead	62.1	18.2	mg/kg wet	76.90		81	80-120			
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LCS Dup

Lead	66.5	18.5	mg/kg wet	76.90		86	80-120	7	20	
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CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210127

Notes and Definitions

- U Analyte included in the analysis, but not detected
- D Diluted.
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210127

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100127
Date Project Due: 10/11/12
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present? * No

Air No.:

2. Were Custody Seals Present? No

3. Were Custody Seals Intact? N/A

4. Is Radiation count < 100 CPM? Yes

5. Is a cooler present? Yes

Cooler Temp: 3.7

Iced With: Ice

6. Was COC included with samples? Yes

7. Was COC signed and dated by client? Yes

8. Does the COC match the sample Yes

9. Is COC complete and correct? Yes

10. Are the samples properly preserved? Yes

11. Proper sample containers used? Yes

12. Any air bubbles in the VOA vials? N/A

13. Holding times exceeded? No

14. Sufficient sample volumes? Yes

15. Any Subcontracting needed? No

16. Are ESS labels on correct containers? Yes No

17. Were samples received intact? Yes No

ESS Sample IDs: _____

Sub Lab: _____

Analysis: _____

TAT: _____

18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____

By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	8 oz Soil Jar	1	NP
2	Yes	8 oz Soil Jar	1	NP
3	Yes	8 oz Soil Jar	1	NP
4	Yes	8 oz Soil Jar	1	NP
5	Yes	8 oz Soil Jar	1	NP
6	Yes	8 oz Soil Jar	1	NP
7	Yes	8 oz Soil Jar	1	NP
8	Yes	8 oz Soil Jar	1	NP
9	Yes	8 oz Soil Jar	1	NP
10	Yes	8 oz Soil Jar	1	NP
11	Yes	8 oz Soil Jar	1	NP
12	Yes	8 oz Soil Jar	1	NP

Completed By: JK

Date/Time: 10/4/12

Reviewed By: WCS

Date/Time: 10/4/12

ESS Laboratory
 Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA RI CT NH NJ NY ME Other _____
 Is this project for any of the following: USACE Other _____
 MA-MCP Navy

Reporting Limits
RI DEL-Res.
 Electronic Deliverable Yes No _____
 Format: Excel _____ Access _____ PDF _____ Other **Excel**

Co. Name	Project #	Project Name (20 Char. or less)	Number of Containers	Type of Containers	Write Required Analysis
AMEL	3650110213	Gorham Parcel C-1 Cap	1	G	Lead (USEPA 610)
Contact Person	107 Audubon Rd, Suite 301		1	G	SPR Lead (USEPA 1312)
City	Wakefield	State MA	1	G	
Telephone #	781 245 6606	Fax #	1	G	
ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX
1	10.2.12	1140	✓ S	✓ S	TP0706 - RA100212
2	}	1200	✓ S	✓ S	TP1107 - RA100212
3		1300	✓ S	✓ S	TP0903 - RA100212
4		1305	✓ S	✓ S	TP0904 - RA100212
5		1325	✓ S	✓ S	TP0410 - RA100212
6		1420	✓ S	✓ S	TP0608 - RA100212
7	1435	✓ S	✓ S	TP0505 - RA100212	
8	1445	✓ S	✓ S	TP0810 - RA100212	
9	1500	✓ S	✓ S	TP0104 - RA100212	
10	10.3.12	0735	✓ S	✓ S	TP0205 - RA100312

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters
 Cooler Present Yes No Internal Use Only
 Seals Intact Yes No NA: Pickup
 Cooler Temp: 3.7°C Technicians _____

Preservation Code 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
 Sampled by: **Phil Miller**
 Comments: _____

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Phil Miller</i>	10.4.12 1330	<i>Phil Miller</i>	10.9.12 1130
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

ESS Laboratory

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CHAIN OF CUSTODY

Turn Time: Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA (M) CT NH NJ NY ME Other _____
 Is this project for any of the following:
 MA-MCP Navy USACE Other _____

Reporting Limits: RI DEL - Res.
 Electronic Deliverable: Yes No _____
 Format: Excel _____ Access _____ PDF _____ Other EQUS REED

ESS LAB PROJECT ID: 21027

Co. Name: AMEL
 Project #: 2650110213
 Project Name (20 Char. or less): Gorham Parcel C-1 Cap
 Contact Person: Kelly Chatterton
 Address: 107 Audubon Rd, Suite 301
 City: Wakfield State: MA Zip: 01880
 Telephone #: 781 245 6606 Fax #: —
 Email Address: Kelly.Chatterton@amec.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis
<u>11</u>	<u>10-3-12</u>	<u>0745</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>TP0305 - RA100312</u>	<u>1 G</u>	<u>1</u>	<u>Lead (EPA 6010)</u>	
<u>12</u>	<u>10-4-12</u>	<u>0910</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>TP1002 - RA100412</u>	<u>1 G</u>	<u>1</u>	<u>SPL Lead (EPA 1312)</u>	

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: Yes No Internal Use Only

Seals Intact: Yes No NA Pickup Technicians

Cooler Temp: 37ice

Sampled by: Phil Miller

Comments: _____

Relinquished by: (Signature) [Signature] Date/Time 10/4/12/1330
 Received by: (Signature) [Signature] Date/Time _____

Lead Data Package

Lead Sample Data

ESS Laboratory

SDG: 1210127
CLASS: METALS
METHOD: 6010B

ANALYSES DATA PACKAGE COVER PAGE

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Client Sample Id:	Lab Sample Id:
<u>TP0706-RA100212</u>	<u>1210127-01</u>
<u>TP1107-RA100212</u>	<u>1210127-02</u>
<u>TP0903-RA100212</u>	<u>1210127-03</u>
<u>TP0904-RA100212</u>	<u>1210127-04</u>
<u>TP0410-RA100212</u>	<u>1210127-05</u>
<u>TP0608-RA100212</u>	<u>1210127-06</u>
<u>TP0505-RA100212</u>	<u>1210127-07</u>
<u>TP0810-RA100212</u>	<u>1210127-08</u>
<u>TP0104-RA100212</u>	<u>1210127-09</u>
<u>TP0205-RA100312</u>	<u>1210127-10</u>
<u>TP0205-RA100312</u>	<u>1210127-10RE1</u>
<u>TP0305-RA100312</u>	<u>1210127-11</u>
<u>TP1002-RA100412</u>	<u>1210127-12</u>

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Instrument: ICP3

Analyte	MDL	MRL	Units
Aluminum	2.2	6.7	mg/kg
Calcium	9.10	33.3	mg/kg
Iron	2.1	6.7	mg/kg
Lead	0.3	6.7	mg/kg
Magnesium	4.03	13.3	mg/kg

INORGANIC ANALYSIS DATA SHEET

6010B

TP0706-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-01

File ID: 100612NADREP-128

Sampled: 10/02/12 11:40

Prepared: 10/05/12 15:10

Analyzed: 10/06/12 23:41

Solids: 88.00

Preparation: 3050B

Initial/Final: 2.07 g / 100 ml

Batch: CJ20518

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	434	1		6010B

INORGANIC ANALYSIS DATA SHEET

TP1107-RA100212

6010B

 Laboratory: ESS Laboratory

 SDG: 1210127

 Client: AMEC Environmental and Infrastructure

 Project: Gorham Parcel C-1 Cap

 Matrix: Soil

 Laboratory ID: 1210127-02

 File ID: 100612NADREP-129

 Sampled: 10/02/12 12:00

 Prepared: 10/05/12 15:10

 Analyzed: 10/06/12 23:45

 Solids: 84.00

 Preparation: 3050B

 Initial/Final: 3.12 g / 100 ml

 Batch: CJ20518

Sequence:

CVJ0305

 Calibration: UNASSIGNED

 Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	17.7	1		6010B

INORGANIC ANALYSIS DATA SHEET

TP0903-RA100212

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-03

File ID: 100912NBD-037

Sampled: 10/02/12 13:00

Prepared: 10/05/12 15:10

Analyzed: 10/09/12 23:35

Solids: 76.00

Preparation: 3050B

Initial/Final: 2.09 g / 100 ml

Batch: CJ20518

Sequence:

CVJ0306

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	4510	10	D	6010B

INORGANIC ANALYSIS DATA SHEET

TP0410-RA100212

6010B

 Laboratory: ESS Laboratory

 SDG: 1210127

 Client: AMEC Environmental and Infrastructure

 Project: Gorham Parcel C-1 Cap

 Matrix: Soil

 Laboratory ID: 1210127-05

 File ID: 100612NADREP-132

 Sampled: 10/02/12 13:25

 Prepared: 10/05/12 15:10

 Analyzed: 10/06/12 23:58

 Solids: 87.00

 Preparation: 3050B

 Initial/Final: 2.21 g / 100 ml

 Batch: CJ20518

Sequence:

CVJ0305

 Calibration: UNASSIGNED

 Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	284	1		6010B

INORGANIC ANALYSIS DATA SHEET

TP0608-RA100212

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-06

File ID: 100912NBD-038

Sampled: 10/02/12 14:20

Prepared: 10/05/12 15:10

Analyzed: 10/09/12 23:40

Solids: 91.00

Preparation: 3050B

Initial/Final: 2.12 g / 100 ml

Batch: CJ20518

Sequence:

CVJ0306

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	3820	10	D	6010B

INORGANIC ANALYSIS DATA SHEET

TP0505-RA100212

6010B

 Laboratory: ESS Laboratory

 SDG: 1210127

 Client: AMEC Environmental and Infrastructure

 Project: Gorham Parcel C-1 Cap

 Matrix: Soil

 Laboratory ID: 1210127-07

 File ID: 100912NBD-039

 Sampled: 10/02/12 14:35

 Prepared: 10/05/12 15:10

 Analyzed: 10/09/12 23:44

 Solids: 81.00

 Preparation: 3050B

 Initial/Final: 2.47 g / 100 ml

 Batch: CJ20518

Sequence:

CVJ0306

 Calibration: UNASSIGNED

 Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	2510	10	D	6010B

INORGANIC ANALYSIS DATA SHEET

TP0810-RA100212

6010B

 Laboratory: ESS Laboratory

 SDG: 1210127

 Client: AMEC Environmental and Infrastructure

 Project: Gorham Parcel C-1 Cap

 Matrix: Soil

 Laboratory ID: 1210127-08

 File ID: 100612NADREP-135

 Sampled: 10/02/12 14:45

 Prepared: 10/05/12 15:10

 Analyzed: 10/07/12 00:10

 Solids: 89.00

 Preparation: 3050B

 Initial/Final: 2.03 g / 100 ml

 Batch: CJ20518

Sequence:

CVJ0305

 Calibration: UNASSIGNED

 Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	91.6	1		6010B

INORGANIC ANALYSIS DATA SHEET

TP0305-RA100312

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-11

File ID: 100612NADREP-144

Sampled: 10/03/12 07:45

Prepared: 10/05/12 15:10

Analyzed: 10/07/12 00:50

Solids: 84.00

Preparation: 3050B

Initial/Final: 3 g / 100 ml

Batch: CJ20518

Sequence:

CVJ0305

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7439-92-1	Lead	350	1		6010B

Lead Quality Control Data

PREPARATION BATCH SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Batch: CJ20518 Batch Matrix: Solid

Preparation: 3050B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
TP0706-RA100212	1210127-01	100612NADREP-128	10/05/12 15:10	
TP1107-RA100212	1210127-02	100612NADREP-129	10/05/12 15:10	
TP0903-RA100212	1210127-03	100912NBD-037	10/05/12 15:10	
TP0904-RA100212	1210127-04	100612NADREP-131	10/05/12 15:10	
TP0410-RA100212	1210127-05	100612NADREP-132	10/05/12 15:10	
TP0608-RA100212	1210127-06	100912NBD-038	10/05/12 15:10	
TP0505-RA100212	1210127-07	100912NBD-039	10/05/12 15:10	
TP0810-RA100212	1210127-08	100612NADREP-135	10/05/12 15:10	
TP0104-RA100212	1210127-09	100612NADREP-138	10/05/12 15:10	
TP0205-RA100312	1210127-10	100612NADREP-139	10/05/12 15:10	
TP0305-RA100312	1210127-11	100612NADREP-144	10/05/12 15:10	
TP1002-RA100412	1210127-12	100912NBD-042	10/05/12 15:10	
Blank	CJ20518-BLK1	100612NADREP-123	10/05/12 15:10	
LCS	CJ20518-BS1	100612NADREP-126	10/05/12 15:10	
LCS Dup	CJ20518-BSD1	100612NADREP-127	10/05/12 15:10	
TP0205-RA100312	CJ20518-DUP1	100612NADREP-140	10/05/12 15:10	
TP0205-RA100312	CJ20518-MS1	100912NBD-043	10/05/12 15:10	
TP0205-RA100312	CJ20518-PS1	100612NADREP-143	10/05/12 15:10	[Spk] 3.14g->100ml; 10ml->10ml; Spiked 10ml

DUPLICATES

TP0205-RA100312

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Laboratory ID: CJ20518-DUP1

Batch: CJ20518

Lab Source ID: 1210127-10

Preparation: 3050B

Initial/Final: 3.05 g / 100 ml

Source Sample Name: TP0205-RA100312

% Solids: 78.00

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/kg dry)	C	DUPLICATE CONCENTRATION (mg/kg dry)	C	RPD %	Q	METHOD
Lead	35	719		744		3		6010B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

6010B

TP0205-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ20518

Laboratory ID: CJ20518-MS1

Preparation: 3050B

Initial/Final: 3.11 g / 100 ml

Source Sample Name: TP0205-RA100312

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.
Lead	20.61	719	1150	2080 *	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

6010B

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210127</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Matrix: <u>Solid</u>	
Batch: <u>CJ20518</u>	Laboratory ID: <u>CJ20518-BS1</u>
Preparation: <u>3050B</u>	Initial/Final: <u>0.55 g / 100 ml</u>

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.
Lead	76.90	62.1	81	80 - 120

COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Lead	76.90	66.5	86	7	20	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Lead Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0305

Instrument: ICP3

Matrix: Solid

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	CVJ0305-ICV1	100612NADREP-005	10/06/12 12:20
Secondary Cal Check	CVJ0305-SCV1	100612NADREP-006	10/06/12 12:25
Initial Cal Blank	CVJ0305-ICB1	100612NADREP-007	10/06/12 12:29
Instrument RL Check	CVJ0305-CRL2	100612NADREP-009	10/06/12 12:38
Instrument RL Check	CVJ0305-CRL3	100612NADREP-010	10/06/12 12:42
Interference Check A	CVJ0305-IFA1	100612NADREP-011	10/06/12 12:47
Interference Check B	CVJ0305-IFB1	100612NADREP-012	10/06/12 13:15
Calibration Check	CVJ0305-CCV1	100612NADREP-076	10/06/12 20:05
Calibration Blank	CVJ0305-CCB1	100612NADREP-077	10/06/12 20:09
Calibration Check	CVJ0305-CCV2	100612NADREP-088	10/06/12 20:55
Calibration Blank	CVJ0305-CCB2	100612NADREP-089	10/06/12 20:59
Calibration Check	CVJ0305-CCV3	100612NADREP-100	10/06/12 21:44
Calibration Blank	CVJ0305-CCB3	100612NADREP-101	10/06/12 21:48
Calibration Check	CVJ0305-CCV4	100612NADREP-112	10/06/12 22:34
Calibration Blank	CVJ0305-CCB4	100612NADREP-113	10/06/12 22:38
Blank	CJ20518-BLK1	100612NADREP-123	10/06/12 23:20
Calibration Check	CVJ0305-CCV5	100612NADREP-124	10/06/12 23:24
Calibration Blank	CVJ0305-CCB5	100612NADREP-125	10/06/12 23:29
LCS	CJ20518-BS1	100612NADREP-126	10/06/12 23:33
LCS Dup	CJ20518-BSD1	100612NADREP-127	10/06/12 23:37
TP0706-RA100212	1210127-01	100612NADREP-128	10/06/12 23:41
TP1107-RA100212	1210127-02	100612NADREP-129	10/06/12 23:45
TP0904-RA100212	1210127-04	100612NADREP-131	10/06/12 23:54
TP0410-RA100212	1210127-05	100612NADREP-132	10/06/12 23:58
TP0810-RA100212	1210127-08	100612NADREP-135	10/07/12 00:10
Calibration Check	CVJ0305-CCV6	100612NADREP-136	10/07/12 00:14
Calibration Blank	CVJ0305-CCB6	100612NADREP-137	10/07/12 00:18
TP0104-RA100212	1210127-09	100612NADREP-138	10/07/12 00:23
TP0205-RA100312	1210127-10	100612NADREP-139	10/07/12 00:27
TP0205-RA100312	CJ20518-DUP1	100612NADREP-140	10/07/12 00:31
TP0205-RA100312	CVJ0305-SRD1	100612NADREP-142	10/07/12 00:41
TP0205-RA100312	CJ20518-PS1	100612NADREP-143	10/07/12 00:45

ANALYSIS BATCH (SEQUENCE) SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0306

Instrument: ICP3

Matrix: Solid

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	CVJ0306-ICV1	100912NAD-025	10/09/12 15:45
Secondary Cal Check	CVJ0306-SCV1	100912NAD-026	10/09/12 15:49
Initial Cal Blank	CVJ0306-ICB1	100912NAD-027	10/09/12 15:53
Instrument RL Check	CVJ0306-CRL1	100912NAD-028	10/09/12 15:57
Instrument RL Check	CVJ0306-CRL2	100912NAD-029	10/09/12 16:02
Instrument RL Check	CVJ0306-CRL3	100912NAD-030	10/09/12 16:06
Interference Check A	CVJ0306-IFA1	100912NAD-031	10/09/12 16:11
Interference Check B	CVJ0306-IFB1	100912NAD-032	10/09/12 16:15
Calibration Check	CVJ0306-CCV1	100912NBD-028	10/09/12 22:57
Calibration Blank	CVJ0306-CCB1	100912NBD-029	10/09/12 23:02
TP0903-RA100212	1210127-03	100912NBD-037	10/09/12 23:35
TP0608-RA100212	1210127-06	100912NBD-038	10/09/12 23:40
TP0505-RA100212	1210127-07	100912NBD-039	10/09/12 23:44
Calibration Check	CVJ0306-CCV2	100912NBD-040	10/09/12 23:48
Calibration Blank	CVJ0306-CCB2	100912NBD-041	10/09/12 23:52
TP1002-RA100412	1210127-12	100912NBD-042	10/09/12 23:57
TP0205-RA100312	CJ20518-MS1	100912NBD-043	10/10/12 00:01
Calibration Check	CVJ0306-CCV3	100912NBD-049	10/10/12 00:26
Calibration Blank	CVJ0306-CCB3	100912NBD-050	10/10/12 00:30
Interference Check A	CVJ0306-IFA2	100912NBD-051	10/10/12 00:35
Interference Check B	CVJ0306-IFB2	100912NBD-052	10/10/12 00:39

**BLANKS
6010B**

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0305

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
CVJ0305-ICB1	Aluminum	-0.008	0.1	mg/L		6010B
	Calcium	-0.016	0.50	mg/L		6010B
	Iron	0.018	0.1	mg/L		6010B
	Lead	-0.005	0.1	mg/L		6010B
	Magnesium	-0.036	0.20	mg/L		6010B
CVJ0305-CCB1	Aluminum	-0.006	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.01	0.1	mg/L		6010B
	Lead	-0.004	0.1	mg/L		6010B
	Magnesium	-0.04	0.20	mg/L		6010B
CVJ0305-CCB2	Aluminum	-0.005	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.02	0.1	mg/L		6010B
	Lead	-0.005	0.1	mg/L		6010B
	Magnesium	-0.04	0.20	mg/L		6010B
CVJ0305-CCB3	Aluminum	-0.0002	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.03	0.1	mg/L		6010B
	Lead	-0.003	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CVJ0305-CCB4	Aluminum	0.01	0.1	mg/L		6010B
	Calcium	-0.01	0.50	mg/L		6010B
	Iron	0.04	0.1	mg/L		6010B
	Lead	-0.005	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CJ20518-BLK1	Lead	-0.2	5.0	mg/kg wet		6010B
CVJ0305-CCB5	Aluminum	-0.0004	0.1	mg/L		6010B
	Calcium	-0.007	0.50	mg/L		6010B
	Iron	0.03	0.1	mg/L		6010B
	Lead	-0.004	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CVJ0305-CCB6	Aluminum	0.005	0.1	mg/L		6010B
	Calcium	-0.004	0.50	mg/L		6010B

BLANKS
6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Instrument ID: ICP3

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0305

Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
CVJ0305-CCB6	Iron	0.04	0.1	mg/L		6010B
	Lead	0.004	0.1	mg/L		6010B
	Magnesium	-0.03	0.20	mg/L		6010B
CVJ0305-CCB7	Aluminum	0.02	0.1	mg/L		6010B
	Calcium	-0.006	0.50	mg/L		6010B
	Iron	0.06	0.1	mg/L		6010B
	Lead	0.005	0.1	mg/L		6010B
	Magnesium	-0.02	0.20	mg/L		6010B

BLANKS
6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0306

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
CVJ0306-ICB1	Aluminum	0.008	0.1	mg/L		6010B
	Calcium	0.011	0.50	mg/L		6010B
	Iron	0.005	0.1	mg/L		6010B
	Lead	0.0004	0.1	mg/L		6010B
	Magnesium	0.016	0.20	mg/L		6010B
CVJ0306-CCB1	Aluminum	-0.002	0.1	mg/L		6010B
	Calcium	0.02	0.50	mg/L		6010B
	Iron	0.004	0.1	mg/L		6010B
	Lead	-0.005	0.1	mg/L		6010B
	Magnesium	0.02	0.20	mg/L		6010B
CVJ0306-CCB2	Aluminum	-0.003	0.1	mg/L		6010B
	Calcium	0.02	0.50	mg/L		6010B
	Iron	0.01	0.1	mg/L		6010B
	Lead	-0.004	0.1	mg/L		6010B
	Magnesium	0.02	0.20	mg/L		6010B
CVJ0306-CCB3	Aluminum	-0.009	0.1	mg/L		6010B
	Calcium	0.02	0.50	mg/L		6010B
	Iron	0.01	0.1	mg/L		6010B
	Lead	0.0002	0.1	mg/L		6010B
	Magnesium	0.02	0.20	mg/L		6010B

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units	Method
CVJ0305-ICV1	Aluminum	2.500	2.52	101	mg/L	6010B
	Calcium	5.000	5.03	101	mg/L	6010B
	Iron	2.500	2.51	100	mg/L	6010B
	Lead	0.5000	0.498	100	mg/L	6010B
	Magnesium	5.000	5.06	101	mg/L	6010B
CVJ0305-CCV1	Aluminum	2.500	2.47	99	mg/L	6010B
	Calcium	5.000	4.86	97	mg/L	6010B
	Iron	2.500	2.63	105	mg/L	6010B
	Lead	0.5000	0.479	96	mg/L	6010B
	Magnesium	5.000	5.04	101	mg/L	6010B
CVJ0305-CCV2	Aluminum	2.500	2.55	102	mg/L	6010B
	Calcium	5.000	4.93	99	mg/L	6010B
	Iron	2.500	2.71	108	mg/L	6010B
	Lead	0.5000	0.499	100	mg/L	6010B
	Magnesium	5.000	5.13	103	mg/L	6010B
CVJ0305-CCV3	Aluminum	2.500	2.48	99	mg/L	6010B
	Calcium	5.000	4.77	95	mg/L	6010B
	Iron	2.500	2.70	108	mg/L	6010B
	Lead	0.5000	0.477	95	mg/L	6010B
	Magnesium	5.000	4.96	99	mg/L	6010B
CVJ0305-CCV4	Aluminum	2.500	2.64	106	mg/L	6010B
	Calcium	5.000	4.91	98	mg/L	6010B
	Iron	2.500	2.70	108	mg/L	6010B
	Lead	0.5000	0.494	99	mg/L	6010B
	Magnesium	5.000	5.14	103	mg/L	6010B
CVJ0305-CCV5	Aluminum	2.500	2.53	101	mg/L	6010B
	Calcium	5.000	4.84	97	mg/L	6010B
	Iron	2.500	2.57	103	mg/L	6010B
	Lead	0.5000	0.484	97	mg/L	6010B
	Magnesium	5.000	5.03	101	mg/L	6010B
CVJ0305-CCV6	Aluminum	2.500	2.63	105	mg/L	6010B
	Calcium	5.000	4.84	97	mg/L	6010B
	Iron	2.500	2.70	108	mg/L	6010B
	Lead	0.5000	0.498	100	mg/L	6010B
	Magnesium	5.000	5.14	103	mg/L	6010B
CVJ0305-CCV7	Aluminum	2.500	2.68	107	mg/L	6010B
	Calcium	5.000	4.85	97	mg/L	6010B
	Iron	2.500	2.78	111 *	mg/L	6010B

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units	Method
CVJ0305-CCV7	Lead	0.5000	0.498	100	mg/L	6010B
	Magnesium	5.000	5.11	102	mg/L	6010B

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: CVJ0306

Lab Sample ID	Analyte	True	Found	%R	Units	Method
CVJ0306-ICV1	Aluminum	2.500	2.49	100	mg/L	6010B
	Calcium	5.000	4.98	100	mg/L	6010B
	Iron	2.500	2.59	104	mg/L	6010B
	Lead	0.5000	0.492	98	mg/L	6010B
	Magnesium	5.000	4.96	99	mg/L	6010B
CVJ0306-CCV1	Aluminum	2.500	2.49	99	mg/L	6010B
	Calcium	5.000	5.06	101	mg/L	6010B
	Iron	2.500	2.51	100	mg/L	6010B
	Lead	0.5000	0.495	99	mg/L	6010B
	Magnesium	5.000	4.94	99	mg/L	6010B
CVJ0306-CCV2	Aluminum	2.500	2.46	98	mg/L	6010B
	Calcium	5.000	4.95	99	mg/L	6010B
	Iron	2.500	2.48	99	mg/L	6010B
	Lead	0.5000	0.500	100	mg/L	6010B
	Magnesium	5.000	4.85	97	mg/L	6010B
CVJ0306-CCV3	Aluminum	2.500	2.48	99	mg/L	6010B
	Calcium	5.000	5.05	101	mg/L	6010B
	Iron	2.500	2.51	101	mg/L	6010B
	Lead	0.5000	0.509	102	mg/L	6010B
	Magnesium	5.000	4.93	99	mg/L	6010B

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

6010B

TP0205-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Laboratory ID: CJ20518-PS1

Batch: CJ20518

Lab Source ID: 1210127-10

Preparation: 3050B

Initial/Final: 0.314 g / 10 ml

Source Sample Name: TP0205-RA100312

% Solids: 78.00

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/L)	Sample Result (SR) (mg/L)	Spike Added (SA) (mg/L)	%R
Lead	75 - 125	18.6	17.6	0.5000	198 *

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units
CVJ0305-IFA1	Aluminum	250.0	244.5813	98	mg/L
	Calcium	250.0	234.3945	94	mg/L
	Iron	100.0	91.4312	91	mg/L
	Lead		-0.0008		mg/L
	Lead		-0.0008		mg/L
CVJ0305-IFB1	Magnesium	250.0	235.8236	94	mg/L
	Aluminum	250.0	254.3283	102	mg/L
	Calcium	250.0	242.9526	97	mg/L
	Iron	100.0	97.0266	97	mg/L
	Lead	0.5000	0.4371	87	mg/L
CVJ0305-IFA2	Lead	0.5000	0.4371	87	mg/L
	Magnesium	250.0	243.6872	97	mg/L
	Aluminum	250.0	238.8039	96	mg/L
	Calcium	250.0	218.9571	88	mg/L
	Iron	100.0	88.9945	89	mg/L
CVJ0305-IFB2	Lead		0.0058		mg/L
	Lead		0.0058		mg/L
	Magnesium	250.0	230.6507	92	mg/L
	Aluminum	250.0	247.7465	99	mg/L
	Calcium	250.0	227.6522	91	mg/L
	Iron	100.0	88.6535	89	mg/L
	Lead	0.5000	0.4285	86	mg/L
	Lead	0.5000	0.4285	86	mg/L
	Magnesium	250.0	239.0040	96	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0306

Lab Sample ID	Analyte	True	Found	%R	Units
CVJ0306-IFA1	Aluminum	250.0	248.0128	99	mg/L
	Calcium	250.0	243.6564	97	mg/L
	Iron	100.0	91.4575	91	mg/L
	Lead		0.0379		mg/L
	Lead		0.0379		mg/L
CVJ0306-IFB1	Magnesium	250.0	250.0266	100	mg/L
	Aluminum	250.0	258.7455	103	mg/L
	Calcium	250.0	255.8247	102	mg/L
	Iron	100.0	95.5206	96	mg/L
	Lead	0.5000	0.5360	107	mg/L
CVJ0306-IFA2	Lead	0.5000	0.5360	107	mg/L
	Magnesium	250.0	261.7054	105	mg/L
	Aluminum	250.0	242.4097	97	mg/L
	Calcium	250.0	240.6600	96	mg/L
	Iron	100.0	89.5534	90	mg/L
CVJ0306-IFB2	Lead		0.0394		mg/L
	Lead		0.0394		mg/L
	Magnesium	250.0	242.1443	97	mg/L
	Aluminum	250.0	250.5224	100	mg/L
	Calcium	250.0	250.5818	100	mg/L
	Iron	100.0	92.7271	93	mg/L
	Lead	0.5000	0.5129	103	mg/L
	Lead	0.5000	0.5129	103	mg/L
	Magnesium	250.0	250.8458	100	mg/L

* Values outside of QC limits

SERIAL DILUTION

6010B

TP0205-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Laboratory ID: CVJ0305-SRD1

Sequence: CVJ0305

Lab Source ID: 1210127-10

Preparation: CJ20518

Initial/Final: 3.14 / 100

Source Sample Name: TP0205-RA100312

% Solids: 78.00

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference
Lead	719		830		14	*	6010B	10

* Values outside of QC limits

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0305

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limits
CVJ0305-CRL2	Aluminum	0.1000	0.098	98	mg/L	70 - 130
	Calcium	0.2000	0.199	100	mg/L	70 - 130
	Iron	0.1000	0.115	115	mg/L	70 - 130
	Lead	0.02000	0.019	96	mg/L	70 - 130
	Lead	0.02000	0.019	96	mg/L	70 - 130
	Magnesium	0.2000	0.181	91	mg/L	70 - 130
CVJ0305-CRL3	Aluminum	0.05000	0.048	95	mg/L	70 - 130
	Calcium	0.1000	0.091	91	mg/L	70 - 130
	Iron	0.05000	0.064	128	mg/L	70 - 130
	Lead	0.01000	0.007	68 *	mg/L	70 - 130
	Lead	0.01000	0.007	68 *	mg/L	70 - 130
	Magnesium	0.1000	0.069	69 *	mg/L	70 - 130

* Values outside of QC limits

CRDL STANDARD

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0306

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limits
CVJ0306-CRL1	Aluminum	0.2500	0.252	101	mg/L	70 - 130
	Calcium	0.5000	0.514	103	mg/L	70 - 130
	Iron	0.2500	0.257	103	mg/L	70 - 130
	Lead	0.05000	0.054	109	mg/L	70 - 130
	Lead	0.05000	0.054	109	mg/L	70 - 130
	Magnesium	0.5000	0.511	102	mg/L	70 - 130
CVJ0306-CRL2	Aluminum	0.1000	0.103	103	mg/L	70 - 130
	Calcium	0.2000	0.209	105	mg/L	70 - 130
	Iron	0.1000	0.103	103	mg/L	70 - 130
	Lead	0.02000	0.025	124	mg/L	70 - 130
	Lead	0.02000	0.025	124	mg/L	70 - 130
	Magnesium	0.2000	0.210	105	mg/L	70 - 130
CVJ0306-CRL3	Aluminum	0.05000	0.052	104	mg/L	70 - 130
	Calcium	0.1000	0.110	110	mg/L	70 - 130
	Iron	0.05000	0.054	108	mg/L	70 - 130
	Lead	0.01000	0.013	131 *	mg/L	70 - 130
	Lead	0.01000	0.013	131 *	mg/L	70 - 130
	Magnesium	0.1000	0.111	111	mg/L	70 - 130

* Values outside of QC limits














Seq.	Loc.	Sample ID
1	1	CAL1
2	2	CAL2
3	3	CAL3
4	4	CAL4
5	3	CCV1
6	1	CCB1
7	9	CJ20523-BLK1
8	10	CJ20523-BS1
9	11	CJ20523-BSD1
10	12	1210010-01 @20
11	13	1210010-01
12	14	1210152-01
13	15	CJ20523-DUP2
14	16	CJ20523-MS2
15	17	CJ20523-SD2 @5
16	18	CJ20523-PDS2
17	3	CCV1
18	1	CCB1
19	19	1210155-01
20	20	1210140-01
21	21	1210140-02
22	22	1210140-03
23	23	1210140-04
24	24	1210140-05
25	25	1210140-06
26	26	CJ20523-DUP1
27	27	CJ20523-MS1
28	28	CJ20523-SD1 @5
29	3	CCV1
30	1	CCB1
31	29	CJ20523-PDS1
32	30	1210148-01
33	31	1210148-02
34	32	1210148-03
35	33	CJ20511-BLK1
36	34	CJ20511-BS1
37	35	CJ20511-BSD1
38	36	1210123-01TCLP
39	37	1210125-01TCLP
40	38	CJ20511-DUP1
41	3	CCV1
42	1	CCB1
43	39	CJ20511-MS1
44	40	CJ20511-SD1 @5
45	41	CJ20511-PDS1
46	42	1210159-01
47	43	1210159-02
48	44	1210141-01
49	45	CJ20602-BLK1
50	46	CJ20602-BS1
51	47	CJ20602-BSD1
52	48	1210124-01TCLP
53	3	CCV1
54	1	CCB1
55	49	1210124-02TCLP
56	50	1210124-03TCLP
57	51	1210124-04TCLP
58	52	CJ20602-DUP1

Seq.	Loc.	Sample ID
59	53	CJ20602-MS1
60	54	CJ20602-SD1 @5
61	55	CJ20602-PDS1
62	56	CJ20603-BLK1
63	57	CJ20603-BS1
64	58	CJ20603-BSD1
65	3	CCV1
66	1	CCB1
67	59	1210155-01SPLP
68	60	CJ20603-DUP1
69	61	CJ20603-MS1
70	62	CJ20603-SD1 @5
71	63	CJ20603-PDS1
72	64	1210170-01SPLP
73	65	1210170-02SPLP
74	66	1210170-03SPLP
75	67	CJ20516-BLK1
76	68	CJ20516-BS1
77	3	CCV1
78	1	CCB1
79	69	CJ20516-BSD1
80	70	1210124-01
81	71	1210124-02
82	72	1210124-03
83	73	1210124-04
84	74	CJ20516-DUP1
85	75	CJ20516-MS1
86	76	CJ20516-SD1 @5
87	77	CJ20516-PDS1
88	78	1210126-01
89	3	CCV1
90	1	CCB1
91	79	1210126-02
92	80	1210126-03
93	81	1210126-04
94	82	1210126-05
95	83	1210126-06
96	84	1210126-07
97	85	1210126-08
98	86	1210126-09
99	87	1210126-10
100	88	1210126-11
101	3	CCV1
102	1	CCB1
103	89	1210126-12
104	90	1210126-13
105	91	1210126-14
106	92	1210126-15
107	93	1210136-01
108	94	CJ20516-DUP2
109	95	CJ20516-MS2
110	96	CJ20516-SD2 @5
111	97	CJ20516-PDS2
112	98	CJ20518-BLK1
113	3	CCV1
114	1	CCB1
115	99	CJ20518-BS1
116	100	CJ20518-BSD1

Seq.	Loc.	Sample ID
117	101	1210127-01
118	102	1210127-02
119	103	1210127-03
120	104	1210127-04
121	105	1210127-05
122	106	1210127-06
123	107	1210127-07
124	108	1210127-08
125	3	CCV1
126	1	CCB1
127	109	1210127-09
128	110	1210127-10
129	111	CJ20518-DUP1
130	112	CJ20518-MS1
131	113	CJ20518-SD1 @5
132	114	CJ20518-PDS1
133	115	1210127-11
134	116	1210127-12
135	117	1210132-01
136	118	1210132-02
137	3	CCV1
138	1	CCB1
139	119	1210132-03
140	120	1210132-04
141	121	1210137-01
142	122	1210137-02
143	123	CJ20518-DUP2
144	124	CJ20518-MS2
145	125	CJ20518-SD2 @5
146	126	CJ20518-PDS2
147	127	1210145-01
148	128	1210146-01
149	3	CCV1
150	1	CCB1
151	160	IFA
152	159	IFB
153	129	WASH

Analytical Sequence

Method : Everything - DV

Seq.	Loc.		Sample ID
1	1		CAL1
2	2		CAL2
3	3		CAL3
4	4		CAL4
5	3		ICV1
6	5		SCV1
7	1		ICB1
8	6		CRL1
9	7		CRL2
10	8		CRL3
11	160		IFA
12	159		IFB
13	0		WASH

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	653863.4
-1.6	15.0	400428.1
-1.2	15.0	474691.0
-0.8	15.0	528914.7
-0.4	15.0	620950.9
0.0	15.0	641236.5
0.4	15.0	602859.2
0.8	15.0	530684.2
1.2	15.0	433855.7
1.6	15.0	325248.7
2.0	15.0	238252.9
-2.0	10.0	11695.6
-2.0	10.5	25910.1
-2.0	11.0	37884.8
-2.0	11.5	50338.4
-2.0	12.0	66713.7
-2.0	12.5	103679.9
-2.0	13.0	131111.6
-2.0	13.5	186533.5
-2.0	14.0	235591.8
-2.0	14.5	310039.2
-2.0	15.0	323653.6
-2.0	15.5	302229.9
-2.0	16.0	269211.3
-2.0	16.5	170620.5
-2.0	17.0	121377.4
-2.0	17.5	56156.9
-2.0	18.0	24890.2
-2.0	18.5	12942.9
-2.0	19.0	6371.3
-2.0	19.5	6149.4
-2.0	20.0	2258.8
-2.8	15.0	161754.5
-2.4	15.0	228858.4
-2.0	15.0	311262.0
-1.6	15.0	389747.7
-1.2	15.0	455819.9
-1.2	13.0	229111.6
-1.2	13.5	277763.5
-1.2	14.0	392827.5
-1.2	14.5	475833.8
-1.2	15.0	471893.1
-1.2	15.5	418989.2
-1.2	16.0	364424.2
-1.2	16.5	231932.7
-1.2	17.0	162977.5

10/6/2012 11:54:44 AM aligned for analyte Mn 257.610

X viewing position set to -1.2 mm having Peak intensity 475833.8 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 475833.8 for Axial viewing

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	101687.5
-1.6	15.0	149593.2
-1.2	15.0	215060.0
-0.8	15.0	300421.6
-0.4	15.0	404411.9
0.0	15.0	474082.3
0.4	15.0	549887.6
0.8	15.0	632974.4
1.2	15.0	663046.0
1.6	15.0	614767.3
2.0	15.0	536892.9
1.2	10.0	10825.1
1.2	10.5	25609.1
1.2	11.0	33356.2
1.2	11.5	47865.5

1.2	12.0	59976.4
1.2	12.5	122612.6
1.2	13.0	176184.3
1.2	13.5	235500.9
1.2	14.0	357575.2
1.2	14.5	600602.8
1.2	15.0	659673.1
1.2	15.5	632771.5
1.2	16.0	570872.3
1.2	16.5	382755.7
1.2	17.0	296128.2
1.2	17.5	210563.8
1.2	18.0	147077.4
1.2	18.5	81688.6
1.2	19.0	15574.8
1.2	19.5	9932.0
1.2	20.0	7961.9
0.4	15.0	547220.6
0.8	15.0	652594.1
1.2	15.0	647548.8
1.6	15.0	622735.4
2.0	15.0	538401.4
0.8	13.0	205491.8
0.8	13.5	241330.2
0.8	14.0	394242.3
0.8	14.5	617017.3
0.8	15.0	651894.4
0.8	15.5	624982.7
0.8	16.0	550486.7
0.8	16.5	386017.1
0.8	17.0	279373.1

10/6/2012 11:57:39 AM aligned for analyte Mn 257.610
X viewing position set to 0.8 mm having Peak intensity 651894.4 for Axial viewing
Y viewing position set to 15.0 mm having Peak intensity 651894.4 for Axial viewing
=====

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	873.7
-6.5	15.0	1373.1
-6.0	15.0	1747.5
-5.5	15.0	2287.6
-5.0	15.0	3112.9
-4.5	15.0	4175.5
-4.0	15.0	7091.9
-3.5	15.0	13093.9
-3.0	15.0	22324.5
-2.5	15.0	31044.8
-2.0	15.0	30242.8
-1.5	15.0	33083.4
-1.0	15.0	53254.8
-0.5	15.0	98069.5
0.0	15.0	180749.3
0.5	15.0	211121.0
1.0	15.0	185140.2
1.5	15.0	154039.2
2.0	15.0	113107.3
2.5	15.0	69741.9
3.0	15.0	32891.6
3.5	15.0	10132.9
4.0	15.0	6357.0
4.5	15.0	2787.5
5.0	15.0	1742.8
5.5	15.0	1261.7
6.0	15.0	745.8
6.5	15.0	561.7
7.0	15.0	489.6

10/6/2012 12:01:12 PM aligned for analyte Mn 257.610
X viewing position set to 0.5 mm having Peak intensity 211121.0 for Radial viewing
=====

Reprocessing Begun

Logged In Analyst: ICP3

Technique: ICP Continuous

Results Data Set (original): 100612NAD

Results Library (original): C:\pe\ICP3\Results\Results.mdb

Results Data Set (reprocessed): 100612NADREP

Results Library (reprocessed): C:\pe\ICP3\Results\Results.mdb

Sequence No.: 1

Sample ID: CAL1

Analyst:

Logged In Analyst (Original) : ICP3

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 10/6/2012 12:03:58 PM

Data Type: Reprocessed on 10/6/2012 1:22:42 PM

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Y 371.029	2468019.5	2468019.5	0.996 mg/L	12:06:18
1	Ag 328.068†	1393.5	1398.6	[0.00] mg/L	12:06:20
1	Al 237.313†	-134.5	-135.0	[0.00] mg/L	12:06:30
1	As 188.979†	2.5	2.5	[0.00] mg/L	12:06:30
1	B 182.528†	4.6	4.6	[0.00] mg/L	12:06:30
1	B 249.677†	6.3	6.3	[0.00] mg/L	12:05:54
1	Ba 233.527†	-50.9	-51.0	[0.00] mg/L	12:06:30
1	Be 313.107†	-480.3	-482.0	[0.00] mg/L	12:06:20
1	Ca 315.887†	216.4	217.2	[0.00] mg/L	12:06:20
1	Cd 228.802†	62.3	62.5	[0.00] mg/L	12:06:30
1	Co 228.616†	-59.1	-59.3	[0.00] mg/L	12:06:30
1	Cr 267.716†	413.2	414.7	[0.00] mg/L	12:06:20
1	Cu 324.752†	1235.3	1239.8	[0.00] mg/L	12:06:20
1	Fe 234.349†	-3.9	-3.9	[0.00] mg/L	12:05:54
1	Fe 238.204†	167.0	167.6	[0.00] mg/L	12:06:30
1	K 766.490†	170.5	171.1	[0.00] mg/L	12:05:44
1	Li 670.784†	-164.3	-164.9	[0.00] mg/L	12:05:44
1	Mg 279.077†	146.4	146.9	[0.00] mg/L	12:06:20
1	Mn 257.610†	1113.0	1117.1	[0.00] mg/L	12:06:30
1	Mo 202.031†	20.8	20.8	[0.00] mg/L	12:06:30
1	Na 589.592†	166.9	167.5	[0.00] mg/L	12:05:44
1	Ni 231.604†	-22.0	-22.0	[0.00] mg/L	12:06:30
1	P 214.914†	348.4	349.7	[0.00] mg/L	12:06:30
1	Pb 220.353†	70.3	70.5	[0.00] mg/L	12:06:30
1	Sb 206.836†	36.8	37.0	[0.00] mg/L	12:06:30
1	Se 196.026†	0.9	0.9	[0.00] mg/L	12:06:30
1	Sn 189.927†	0.8	0.8	[0.00] mg/L	12:06:30
1	Sr 407.771†	138.5	139.0	[0.00] mg/L	12:05:44
1	Ti 337.279†	-406.7	-408.2	[0.00] mg/L	12:06:20
1	Tl 190.801†	-0.6	-0.6	[0.00] mg/L	12:06:30
1	V 292.402†	-666.1	-668.5	[0.00] mg/L	12:06:20
1	Zn 213.857†	804.9	807.9	[0.00] mg/L	12:06:30
2	Y 371.029	2485992.5	2485992.5	1.00 mg/L	12:06:33
2	Ag 328.068†	1374.8	1369.8	[0.00] mg/L	12:06:35
2	Al 237.313†	-120.4	-120.0	[0.00] mg/L	12:06:45
2	As 188.979†	3.5	3.5	[0.00] mg/L	12:06:45
2	B 182.528†	0.7	0.7	[0.00] mg/L	12:06:45
2	B 249.677†	2.0	2.0	[0.00] mg/L	12:06:14
2	Ba 233.527†	-58.0	-57.8	[0.00] mg/L	12:06:45
2	Be 313.107†	-551.7	-549.7	[0.00] mg/L	12:06:35
2	Ca 315.887†	86.7	86.4	[0.00] mg/L	12:06:35
2	Cd 228.802†	63.4	63.1	[0.00] mg/L	12:06:45
2	Co 228.616†	-70.7	-70.4	[0.00] mg/L	12:06:45
2	Cr 267.716†	403.5	402.0	[0.00] mg/L	12:06:35
2	Cu 324.752†	1231.1	1226.7	[0.00] mg/L	12:06:35
2	Fe 234.349†	-7.6	-7.6	[0.00] mg/L	12:06:14
2	Fe 238.204†	146.3	145.8	[0.00] mg/L	12:06:45
2	K 766.490†	166.9	166.3	[0.00] mg/L	12:06:04
2	Li 670.784†	-186.7	-186.0	[0.00] mg/L	12:06:04
2	Mg 279.077†	123.3	122.9	[0.00] mg/L	12:06:35
2	Mn 257.610†	1223.8	1219.3	[0.00] mg/L	12:06:45

2	Mo 202.031†	33.5	33.4	[0.00]	mg/L	12:06:45
2	Na 589.592†	134.2	133.7	[0.00]	mg/L	12:06:04
2	Ni 231.604†	-15.6	-15.6	[0.00]	mg/L	12:06:45
2	P 214.914†	337.0	335.7	[0.00]	mg/L	12:06:45
2	Pb 220.353†	45.9	45.7	[0.00]	mg/L	12:06:45
2	Sb 206.836†	36.8	36.6	[0.00]	mg/L	12:06:45
2	Se 196.026†	-0.8	-0.8	[0.00]	mg/L	12:06:45
2	Sn 189.927†	4.9	4.9	[0.00]	mg/L	12:06:45
2	Sr 407.771†	123.3	122.9	[0.00]	mg/L	12:06:04
2	Ti 337.279†	-511.9	-510.1	[0.00]	mg/L	12:06:35
2	Tl 190.801†	4.7	4.6	[0.00]	mg/L	12:06:45
2	V 292.402†	-700.2	-697.6	[0.00]	mg/L	12:06:35
2	Zn 213.857†	797.3	794.5	[0.00]	mg/L	12:06:45

Mean Data: CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	2477006.0	12708.84	0.51%	1.00	mg/L
Ag 328.068†	1384.2	20.32	1.47%	[0.00]	mg/L
Al 237.313†	-127.5	10.66	8.36%	[0.00]	mg/L
As 188.979†	3.0	0.67	22.34%	[0.00]	mg/L
B 182.528†	2.6	2.78	105.47%	[0.00]	mg/L
B 249.677†	4.2	3.01	72.36%	[0.00]	mg/L
Ba 233.527†	-54.4	4.76	8.75%	[0.00]	mg/L
Be 313.107†	-515.8	47.83	9.27%	[0.00]	mg/L
Ca 315.887†	151.8	92.49	60.95%	[0.00]	mg/L
Cd 228.802†	62.8	0.43	0.68%	[0.00]	mg/L
Co 228.616†	-64.9	7.87	12.13%	[0.00]	mg/L
Cr 267.716†	408.4	8.95	2.19%	[0.00]	mg/L
Cu 324.752†	1233.2	9.30	0.75%	[0.00]	mg/L
Fe 234.349†	-5.8	2.61	45.47%	[0.00]	mg/L
Fe 238.204†	156.7	15.45	9.86%	[0.00]	mg/L
K 766.490†	168.7	3.37	2.00%	[0.00]	mg/L
Li 670.784†	-175.5	14.93	8.51%	[0.00]	mg/L
Mg 279.077†	134.9	16.98	12.59%	[0.00]	mg/L
Mn 257.610†	1168.2	72.31	6.19%	[0.00]	mg/L
Mo 202.031†	27.1	8.87	32.72%	[0.00]	mg/L
Na 589.592†	150.6	23.88	15.86%	[0.00]	mg/L
Ni 231.604†	-18.8	4.58	24.37%	[0.00]	mg/L
P 214.914†	342.7	9.86	2.88%	[0.00]	mg/L
Pb 220.353†	58.1	17.52	30.13%	[0.00]	mg/L
Sb 206.836†	36.8	0.25	0.67%	[0.00]	mg/L
Se 196.026†	0.1	1.19	>999.9%	[0.00]	mg/L
Sn 189.927†	2.9	2.85	99.63%	[0.00]	mg/L
Sr 407.771†	131.0	11.41	8.71%	[0.00]	mg/L
Ti 337.279†	-459.1	72.05	15.69%	[0.00]	mg/L
Tl 190.801†	2.0	3.73	186.27%	[0.00]	mg/L
V 292.402†	-683.1	20.59	3.01%	[0.00]	mg/L
Zn 213.857†	801.2	9.48	1.18%	[0.00]	mg/L

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Sequence No.: 2	Autosampler Location: 2
Sample ID: CAL2	Date Collected: 10/6/2012 12:08:27 PM
Analyst:	Data Type: Reprocessed on 10/6/2012 1:22:44 PM
Logged In Analyst (Original) : ICP3	
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Y 371.029	2506245.6	2506245.6	1.01	mg/L	12:10:35
1	Ag 328.068†	7694.6	6220.6	[0.0500]	mg/L	12:10:38
1	Al 237.313†	3994.7	4075.6	[0.5000]	mg/L	12:10:48
1	As 188.979†	81.1	77.1	[0.1000]	mg/L	12:10:48
1	B 182.528†	48.7	45.5	[0.1000]	mg/L	12:10:48
1	B 249.677†	177.6	171.4	[0.1000]	mg/L	12:10:19
1	Ba 233.527†	7636.9	7602.2	[0.1000]	mg/L	12:10:38
1	Be 313.107†	17012.6	17330.0	[0.0100]	mg/L	12:10:38
1	Ca 315.887†	113228.1	111755.4	[1.0000]	mg/L	12:10:38
1	Cd 228.802†	1531.5	1450.8	[0.0500]	mg/L	12:10:48

1	Co 228.616†	4244.7	4260.1	[0.1000]	mg/L	12:10:48
1	Cr 267.716†	10085.8	9559.8	[0.1000]	mg/L	12:10:38
1	Cu 324.752†	20356.6	18885.9	[0.1000]	mg/L	12:10:38
1	Fe 234.349†	570.5	569.6	[0.5000]	mg/L	12:10:19
1	Fe 238.204†	63531.4	62633.5	[0.5000]	mg/L	12:10:38
1	K 766.490†	9491.8	9212.4	[5.0000]	mg/L	12:10:09
1	Li 670.784†	3190.5	3328.7	[0.1000]	mg/L	12:10:09
1	Mg 279.077†	12380.8	12101.5	[1.0000]	mg/L	12:10:38
1	Mn 257.610†	61685.5	59797.6	[0.1000]	mg/L	12:10:38
1	Mo 202.031†	1996.7	1946.2	[0.1000]	mg/L	12:10:48
1	Na 589.592†	31364.5	30848.0	[5.0000]	mg/L	12:10:09
1	Ni 231.604†	3010.2	2993.9	[0.1000]	mg/L	12:10:38
1	P 214.914†	2037.7	1671.2	[1.0000]	mg/L	12:10:48
1	Pb 220.353†	1322.7	1249.1	[0.1000]	mg/L	12:10:48
1	Sb 206.836†	158.8	120.1	[0.1000]	mg/L	12:10:48
1	Se 196.026†	212.2	209.6	[0.2000]	mg/L	12:10:48
1	Sn 189.927†	480.7	472.2	[0.1000]	mg/L	12:10:48
1	Sr 407.771†	9611.9	9368.8	[0.0100]	mg/L	12:10:09
1	Ti 337.279†	73414.9	73017.6	[0.1000]	mg/L	12:10:38
1	Tl 190.801†	156.6	152.8	[0.1000]	mg/L	12:10:48
1	V 292.402†	16006.8	16503.1	[0.1000]	mg/L	12:10:38
1	Zn 213.857†	10512.7	9588.9	[0.1000]	mg/L	12:10:38
2	Y 371.029	2483525.1	2483525.1	1.00	mg/L	12:10:50
2	Ag 328.068†	7548.6	6144.5	[0.0500]	mg/L	12:10:52
2	Al 237.313†	3895.3	4012.6	[0.5000]	mg/L	12:11:03
2	As 188.979†	82.3	79.1	[0.1000]	mg/L	12:11:03
2	B 182.528†	52.9	50.1	[0.1000]	mg/L	12:11:03
2	B 249.677†	178.9	174.3	[0.1000]	mg/L	12:10:32
2	Ba 233.527†	7433.6	7468.5	[0.1000]	mg/L	12:10:52
2	Be 313.107†	16703.6	17175.6	[0.0100]	mg/L	12:10:52
2	Ca 315.887†	111042.2	110599.0	[1.0000]	mg/L	12:10:52
2	Cd 228.802†	1513.6	1446.8	[0.0500]	mg/L	12:11:03
2	Co 228.616†	4171.7	4225.6	[0.1000]	mg/L	12:11:03
2	Cr 267.716†	9891.5	9457.2	[0.1000]	mg/L	12:10:52
2	Cu 324.752†	19888.5	18603.1	[0.1000]	mg/L	12:10:52
2	Fe 234.349†	566.7	571.0	[0.5000]	mg/L	12:10:32
2	Fe 238.204†	62161.7	61841.8	[0.5000]	mg/L	12:10:52
2	K 766.490†	9123.4	8930.7	[5.0000]	mg/L	12:10:22
2	Li 670.784†	3000.7	3168.3	[0.1000]	mg/L	12:10:22
2	Mg 279.077†	12066.9	11900.3	[1.0000]	mg/L	12:10:52
2	Mn 257.610†	60425.6	59098.8	[0.1000]	mg/L	12:10:52
2	Mo 202.031†	1922.4	1890.2	[0.1000]	mg/L	12:11:03
2	Na 589.592†	30275.8	30045.8	[5.0000]	mg/L	12:10:22
2	Ni 231.604†	2962.9	2973.9	[0.1000]	mg/L	12:10:52
2	P 214.914†	1999.4	1651.4	[1.0000]	mg/L	12:11:03
2	Pb 220.353†	1309.7	1248.1	[0.1000]	mg/L	12:11:03
2	Sb 206.836†	161.4	124.1	[0.1000]	mg/L	12:11:03
2	Se 196.026†	216.3	215.7	[0.2000]	mg/L	12:11:03
2	Sn 189.927†	464.9	460.8	[0.1000]	mg/L	12:11:03
2	Sr 407.771†	9172.8	9017.8	[0.0100]	mg/L	12:10:22
2	Ti 337.279†	71958.8	72229.1	[0.1000]	mg/L	12:10:52
2	Tl 190.801†	159.1	156.7	[0.1000]	mg/L	12:11:03
2	V 292.402†	15770.3	16412.0	[0.1000]	mg/L	12:10:52
2	Zn 213.857†	10390.5	9562.1	[0.1000]	mg/L	12:10:52

Mean Data: CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	2494885.3	16065.82	0.64%	1.01	mg/L
Ag 328.068†	6182.6	53.78	0.87%	[0.0500]	mg/L
Al 237.313†	4044.1	44.55	1.10%	[0.5000]	mg/L
As 188.979†	78.1	1.43	1.82%	[0.1000]	mg/L
B 182.528†	47.8	3.26	6.83%	[0.1000]	mg/L
B 249.677†	172.8	2.07	1.20%	[0.1000]	mg/L
Ba 233.527†	7535.4	94.53	1.25%	[0.1000]	mg/L
Be 313.107†	17252.8	109.17	0.63%	[0.0100]	mg/L
Ca 315.887†	111177.2	817.69	0.74%	[1.0000]	mg/L
Cd 228.802†	1448.8	2.82	0.19%	[0.0500]	mg/L
Co 228.616†	4242.9	24.37	0.57%	[0.1000]	mg/L
Cr 267.716†	9508.5	72.56	0.76%	[0.1000]	mg/L
Cu 324.752†	18744.5	199.97	1.07%	[0.1000]	mg/L
Fe 234.349†	570.3	0.99	0.17%	[0.5000]	mg/L

Fe 238.204†	62237.6	559.83	0.90%	[0.5000]	mg/L
K 766.490†	9071.5	199.14	2.20%	[5.0000]	mg/L
Li 670.784†	3248.5	113.42	3.49%	[0.1000]	mg/L
Mg 279.077†	12000.9	142.26	1.19%	[1.0000]	mg/L
Mn 257.610†	59448.2	494.11	0.83%	[0.1000]	mg/L
Mo 202.031†	1918.2	39.60	2.06%	[0.1000]	mg/L
Na 589.592†	30446.9	567.25	1.86%	[5.0000]	mg/L
Ni 231.604†	2983.9	14.12	0.47%	[0.1000]	mg/L
P 214.914†	1661.3	13.96	0.84%	[1.0000]	mg/L
Pb 220.353†	1248.6	0.71	0.06%	[0.1000]	mg/L
Sb 206.836†	122.1	2.83	2.32%	[0.1000]	mg/L
Se 196.026†	212.6	4.26	2.01%	[0.2000]	mg/L
Sn 189.927†	466.5	8.10	1.74%	[0.1000]	mg/L
Sr 407.771†	9193.3	248.19	2.70%	[0.0100]	mg/L
Ti 337.279†	72623.3	557.56	0.77%	[0.1000]	mg/L
Tl 190.801†	154.8	2.77	1.79%	[0.1000]	mg/L
V 292.402†	16457.5	64.44	0.39%	[0.1000]	mg/L
Zn 213.857†	9575.5	18.97	0.20%	[0.1000]	mg/L

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Sequence No.: 3                               Autosampler Location: 3
Sample ID: CAL3                               Date Collected: 10/6/2012 12:12:40 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:45 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Analysis Time
1	Y 371.029	2520809.4	2520809.4	1.02 mg/L	12:14:49
1	Ag 328.068†	31486.3	29555.0	[0.2500] mg/L	12:14:51
1	Al 237.313†	19474.7	19263.8	[2.5000] mg/L	12:14:51
1	As 188.979†	413.6	403.4	[0.5000] mg/L	12:15:01
1	B 182.528†	257.1	250.0	[0.5000] mg/L	12:15:01
1	B 249.677†	856.9	837.9	[0.5000] mg/L	12:14:32
1	Ba 233.527†	36650.1	36067.7	[0.5000] mg/L	12:14:51
1	Be 313.107†	84614.7	83660.2	[0.0500] mg/L	12:14:51
1	Ca 315.887†	540649.7	531103.3	[5.0000] mg/L	12:14:49
1	Cd 228.802†	7190.1	7002.4	[0.2500] mg/L	12:15:01
1	Co 228.616†	20182.5	19896.7	[0.5000] mg/L	12:14:51
1	Cr 267.716†	46952.8	45728.6	[0.5000] mg/L	12:14:51
1	Cu 324.752†	92138.2	89303.9	[0.5000] mg/L	12:14:51
1	Fe 234.349†	2893.9	2849.3	[2.5000] mg/L	12:14:32
1	Fe 238.204†	300666.4	295285.1	[2.5000] mg/L	12:14:51
1	K 766.490†	46500.0	45523.2	[25.000] mg/L	12:14:22
1	Li 670.784†	16299.0	16191.2	[0.5000] mg/L	12:14:22
1	Mg 279.077†	58277.6	57130.0	[5.0000] mg/L	12:14:51
1	Mn 257.610†	290305.7	284092.9	[0.5000] mg/L	12:14:51
1	Mo 202.031†	9537.0	9344.2	[0.5000] mg/L	12:15:01
1	Na 589.592†	154175.9	151346.3	[25.000] mg/L	12:14:22
1	Ni 231.604†	14519.3	14285.8	[0.5000] mg/L	12:14:51
1	P 214.914†	8723.4	8229.1	[5.0000] mg/L	12:15:01
1	Pb 220.353†	6013.3	5850.7	[0.5000] mg/L	12:15:01
1	Sb 206.836†	638.8	590.9	[0.5000] mg/L	12:15:01
1	Se 196.026†	1046.7	1028.4	[1.0000] mg/L	12:15:01
1	Sn 189.927†	2269.2	2226.9	[0.5000] mg/L	12:15:01
1	Sr 407.771†	47681.5	46722.0	[0.0500] mg/L	12:14:22
1	Ti 337.279†	360412.0	354608.4	[0.5000] mg/L	12:14:51
1	Tl 190.801†	744.1	729.1	[0.5000] mg/L	12:15:01
1	V 292.402†	80875.1	80152.8	[0.5000] mg/L	12:14:51
1	Zn 213.857†	47874.3	46241.3	[0.5000] mg/L	12:14:51
2	Y 371.029	2528285.7	2528285.7	1.02 mg/L	12:15:04
2	Ag 328.068†	31864.0	29833.5	[0.2500] mg/L	12:15:06
2	Al 237.313†	19698.6	19426.5	[2.5000] mg/L	12:15:06
2	As 188.979†	404.2	393.0	[0.5000] mg/L	12:15:16
2	B 182.528†	256.5	248.7	[0.5000] mg/L	12:15:16
2	B 249.677†	854.6	833.1	[0.5000] mg/L	12:14:45
2	Ba 233.527†	37103.6	36405.5	[0.5000] mg/L	12:15:06
2	Be 313.107†	85761.7	84538.1	[0.0500] mg/L	12:15:06
2	Ca 315.887†	540012.6	528908.1	[5.0000] mg/L	12:15:04
2	Cd 228.802†	7191.5	6982.8	[0.2500] mg/L	12:15:16

2	Co 228.616†	20390.9	20042.2	[0.5000]	mg/L	12:15:06
2	Cr 267.716†	47707.3	46331.3	[0.5000]	mg/L	12:15:06
2	Cu 324.752†	93535.1	90404.8	[0.5000]	mg/L	12:15:06
2	Fe 234.349†	2876.5	2823.9	[2.5000]	mg/L	12:14:45
2	Fe 238.204†	304853.0	298513.1	[2.5000]	mg/L	12:15:06
2	K 766.490†	45822.7	44724.6	[25.000]	mg/L	12:14:35
2	Li 670.784†	16112.6	15961.3	[0.5000]	mg/L	12:14:35
2	Mg 279.077†	59320.0	57982.0	[5.0000]	mg/L	12:15:06
2	Mn 257.610†	293848.4	286720.3	[0.5000]	mg/L	12:15:06
2	Mo 202.031†	9519.8	9299.6	[0.5000]	mg/L	12:15:16
2	Na 589.592†	152050.6	148816.0	[25.000]	mg/L	12:14:35
2	Ni 231.604†	14653.3	14374.8	[0.5000]	mg/L	12:15:06
2	P 214.914†	8722.6	8203.0	[5.0000]	mg/L	12:15:16
2	Pb 220.353†	6026.8	5846.4	[0.5000]	mg/L	12:15:16
2	Sb 206.836†	647.5	597.5	[0.5000]	mg/L	12:15:16
2	Se 196.026†	1047.2	1025.9	[1.0000]	mg/L	12:15:16
2	Sn 189.927†	2272.4	2223.4	[0.5000]	mg/L	12:15:16
2	Sr 407.771†	46732.5	45653.7	[0.0500]	mg/L	12:14:35
2	Ti 337.279†	365962.6	358999.1	[0.5000]	mg/L	12:15:06
2	Tl 190.801†	738.6	721.6	[0.5000]	mg/L	12:15:16
2	V 292.402†	81949.9	80970.8	[0.5000]	mg/L	12:15:06
2	Zn 213.857†	48550.3	46764.4	[0.5000]	mg/L	12:15:06

Mean Data: CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Y 371.029	2524547.6	5286.49	0.21%	1.02	mg/L	
Ag 328.068†	29694.2	196.96	0.66%	[0.2500]	mg/L	
Al 237.313†	19345.2	115.10	0.59%	[2.5000]	mg/L	
As 188.979†	398.2	7.35	1.85%	[0.5000]	mg/L	
B 182.528†	249.3	0.91	0.37%	[0.5000]	mg/L	
B 249.677†	835.5	3.37	0.40%	[0.5000]	mg/L	
Ba 233.527†	36236.6	238.85	0.66%	[0.5000]	mg/L	
Be 313.107†	84099.2	620.74	0.74%	[0.0500]	mg/L	
Ca 315.887†	530005.7	1552.22	0.29%	[5.0000]	mg/L	
Cd 228.802†	6992.6	13.82	0.20%	[0.2500]	mg/L	
Co 228.616†	19969.5	102.90	0.52%	[0.5000]	mg/L	
Cr 267.716†	46029.9	426.19	0.93%	[0.5000]	mg/L	
Cu 324.752†	89854.4	778.44	0.87%	[0.5000]	mg/L	
Fe 234.349†	2836.6	17.99	0.63%	[2.5000]	mg/L	
Fe 238.204†	296899.1	2282.54	0.77%	[2.5000]	mg/L	
K 766.490†	45123.9	564.72	1.25%	[25.000]	mg/L	
Li 670.784†	16076.3	162.56	1.01%	[0.5000]	mg/L	
Mg 279.077†	57556.0	602.40	1.05%	[5.0000]	mg/L	
Mn 257.610†	285406.6	1857.80	0.65%	[0.5000]	mg/L	
Mo 202.031†	9321.9	31.51	0.34%	[0.5000]	mg/L	
Na 589.592†	150081.2	1789.15	1.19%	[25.000]	mg/L	
Ni 231.604†	14330.3	63.00	0.44%	[0.5000]	mg/L	
P 214.914†	8216.1	18.46	0.22%	[5.0000]	mg/L	
Pb 220.353†	5848.5	3.01	0.05%	[0.5000]	mg/L	
Sb 206.836†	594.2	4.69	0.79%	[0.5000]	mg/L	
Se 196.026†	1027.2	1.79	0.17%	[1.0000]	mg/L	
Sn 189.927†	2225.1	2.46	0.11%	[0.5000]	mg/L	
Sr 407.771†	46187.8	755.35	1.64%	[0.0500]	mg/L	
Ti 337.279†	356803.8	3104.73	0.87%	[0.5000]	mg/L	
Tl 190.801†	725.4	5.31	0.73%	[0.5000]	mg/L	
V 292.402†	80561.8	578.41	0.72%	[0.5000]	mg/L	
Zn 213.857†	46502.9	369.95	0.80%	[0.5000]	mg/L	

Sequence No.: 4

Sample ID: CAL4

Analyst:

Logged In Analyst (Original) : ICP3

Initial Sample Wt:

Dilution:

Autosampler Location: 4

Date Collected: 10/6/2012 12:16:55 PM

Data Type: Reprocessed on 10/6/2012 1:22:45 PM

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Analysis Time
1	Y 371.029	2446299.3	2446299.3	0.988	mg/L	12:18:47

1	Ag 328.068†	59505.2	58868.0	[0.5000]	mg/L	12:18:47
1	Al 237.313†	38234.3	38841.7	[5.0000]	mg/L	12:18:47
1	As 188.979†	792.0	798.9	[1.0000]	mg/L	12:18:58
1	B 182.528†	506.1	509.8	[1.0000]	mg/L	12:18:58
1	B 249.677†	1727.8	1745.3	[1.0000]	mg/L	12:18:37
1	Ba 233.527†	71559.4	72512.0	[1.0000]	mg/L	12:18:47
1	Be 313.107†	165441.3	168033.9	[0.1000]	mg/L	12:18:47
1	Ca 315.887†	1052931.6	1065996.6	[10.000]	mg/L	12:18:47
1	Cd 228.802†	13996.6	14109.4	[0.5000]	mg/L	12:18:58
1	Co 228.616†	39489.4	40050.0	[1.0000]	mg/L	12:18:47
1	Cr 267.716†	90341.6	91067.3	[1.0000]	mg/L	12:18:47
1	Cu 324.752†	177253.0	178244.7	[1.0000]	mg/L	12:18:47
1	Fe 234.349†	5841.3	5920.3	[5.0000]	mg/L	12:18:37
1	Fe 238.204†	586861.9	594071.6	[5.0000]	mg/L	12:18:47
1	K 766.490†	91257.9	92234.6	[50.000]	mg/L	12:18:35
1	Li 670.784†	32069.9	32647.9	[1.0000]	mg/L	12:18:37
1	Mg 279.077†	112545.2	113823.0	[10.000]	mg/L	12:18:47
1	Mn 257.610†	561621.6	567503.0	[1.0000]	mg/L	12:18:47
1	Mo 202.031†	18545.3	18751.0	[1.0000]	mg/L	12:18:58
1	Na 589.592†	299624.4	303234.8	[50.000]	mg/L	12:18:35
1	Ni 231.604†	27944.3	28313.9	[1.0000]	mg/L	12:18:47
1	P 214.914†	16897.7	16767.1	[10.000]	mg/L	12:18:58
1	Pb 220.353†	11524.9	11611.4	[1.0000]	mg/L	12:18:58
1	Sb 206.836†	1207.3	1185.6	[1.0000]	mg/L	12:18:58
1	Se 196.026†	2035.6	2061.0	[2.0000]	mg/L	12:18:58
1	Sn 189.927†	4364.7	4416.6	[1.0000]	mg/L	12:18:58
1	Sr 407.771†	93452.2	94494.3	[0.1000]	mg/L	12:18:35
1	Ti 337.279†	698796.6	708027.2	[1.0000]	mg/L	12:18:47
1	Tl 190.801†	1418.6	1434.4	[1.0000]	mg/L	12:18:58
1	V 292.402†	157335.3	159993.3	[1.0000]	mg/L	12:18:47
1	Zn 213.857†	92962.4	93328.1	[1.0000]	mg/L	12:18:47
2	Y 371.029	2436527.3	2436527.3	0.984	mg/L	12:19:01
2	Ag 328.068†	59273.4	58873.9	[0.5000]	mg/L	12:19:01
2	Al 237.313†	38035.0	38794.4	[5.0000]	mg/L	12:19:01
2	As 188.979†	792.7	802.9	[1.0000]	mg/L	12:19:12
2	B 182.528†	508.0	513.8	[1.0000]	mg/L	12:19:12
2	B 249.677†	1675.9	1699.6	[1.0000]	mg/L	12:18:42
2	Ba 233.527†	71052.9	72287.7	[1.0000]	mg/L	12:19:01
2	Be 313.107†	163952.9	167192.5	[0.1000]	mg/L	12:19:01
2	Ca 315.887†	1045181.4	1062393.5	[10.000]	mg/L	12:19:01
2	Cd 228.802†	14004.1	14173.9	[0.5000]	mg/L	12:19:12
2	Co 228.616†	39134.3	39849.4	[1.0000]	mg/L	12:19:01
2	Cr 267.716†	89681.5	90763.0	[1.0000]	mg/L	12:19:01
2	Cu 324.752†	175881.4	177570.2	[1.0000]	mg/L	12:19:01
2	Fe 234.349†	5659.5	5759.3	[5.0000]	mg/L	12:18:42
2	Fe 238.204†	582289.7	591806.8	[5.0000]	mg/L	12:19:01
2	K 766.490†	92543.5	93912.3	[50.000]	mg/L	12:18:40
2	Li 670.784†	31449.3	32147.2	[1.0000]	mg/L	12:18:42
2	Mg 279.077†	111598.8	113317.9	[10.000]	mg/L	12:19:01
2	Mn 257.610†	557594.1	565689.3	[1.0000]	mg/L	12:19:01
2	Mo 202.031†	18539.4	18820.3	[1.0000]	mg/L	12:19:12
2	Na 589.592†	304009.4	308909.4	[50.000]	mg/L	12:18:40
2	Ni 231.604†	27733.5	28213.0	[1.0000]	mg/L	12:19:01
2	P 214.914†	16956.0	16895.0	[10.000]	mg/L	12:19:12
2	Pb 220.353†	11502.8	11635.8	[1.0000]	mg/L	12:19:12
2	Sb 206.836†	1209.0	1192.3	[1.0000]	mg/L	12:19:12
2	Se 196.026†	2037.7	2071.5	[2.0000]	mg/L	12:19:12
2	Sn 189.927†	4379.1	4449.0	[1.0000]	mg/L	12:19:12
2	Sr 407.771†	94862.6	96307.6	[0.1000]	mg/L	12:18:40
2	Ti 337.279†	694171.6	706163.3	[1.0000]	mg/L	12:19:01
2	Tl 190.801†	1415.2	1436.7	[1.0000]	mg/L	12:19:12
2	V 292.402†	156221.4	159499.8	[1.0000]	mg/L	12:19:01
2	Zn 213.857†	92240.7	92971.9	[1.0000]	mg/L	12:19:01

Mean Data: CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	2441413.3	6909.85	0.28%	0.986	mg/L
Ag 328.068†	58870.9	4.23	0.01%	[0.5000]	mg/L
Al 237.313†	38818.1	33.47	0.09%	[5.0000]	mg/L
As 188.979†	800.9	2.81	0.35%	[1.0000]	mg/L
B 182.528†	511.8	2.84	0.55%	[1.0000]	mg/L

B 249.677†	1722.5	32.36	1.88%	[1.0000]	mg/L
Ba 233.527†	72399.9	158.59	0.22%	[1.0000]	mg/L
Be 313.107†	167613.2	594.93	0.35%	[0.1000]	mg/L
Ca 315.887†	1064195.1	2547.74	0.24%	[10.000]	mg/L
Cd 228.802†	14141.7	45.62	0.32%	[0.5000]	mg/L
Co 228.616†	39949.7	141.85	0.36%	[1.0000]	mg/L
Cr 267.716†	90915.1	215.12	0.24%	[1.0000]	mg/L
Cu 324.752†	177907.4	476.93	0.27%	[1.0000]	mg/L
Fe 234.349†	5839.8	113.91	1.95%	[5.0000]	mg/L
Fe 238.204†	592939.2	1601.51	0.27%	[5.0000]	mg/L
K 766.490†	93073.5	1186.26	1.27%	[50.000]	mg/L
Li 670.784†	32397.6	354.03	1.09%	[1.0000]	mg/L
Mg 279.077†	113570.5	357.20	0.31%	[10.000]	mg/L
Mn 257.610†	566596.2	1282.46	0.23%	[1.0000]	mg/L
Mo 202.031†	18785.7	49.01	0.26%	[1.0000]	mg/L
Na 589.592†	306072.1	4012.52	1.31%	[50.000]	mg/L
Ni 231.604†	28263.5	71.32	0.25%	[1.0000]	mg/L
P 214.914†	16831.1	90.43	0.54%	[10.000]	mg/L
Pb 220.353†	11623.6	17.21	0.15%	[1.0000]	mg/L
Sb 206.836†	1189.0	4.73	0.40%	[1.0000]	mg/L
Se 196.026†	2066.3	7.40	0.36%	[2.0000]	mg/L
Sn 189.927†	4432.8	22.86	0.52%	[1.0000]	mg/L
Sr 407.771†	95401.0	1282.19	1.34%	[0.1000]	mg/L
Ti 337.279†	707095.2	1318.03	0.19%	[1.0000]	mg/L
Tl 190.801†	1435.6	1.65	0.12%	[1.0000]	mg/L
V 292.402†	159746.6	348.93	0.22%	[1.0000]	mg/L
Zn 213.857†	93150.0	251.87	0.27%	[1.0000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	179.1	117500	0.00000	0.999983	
Al 237.313	3	Lin, Calc Int	60.1	7746	0.00000	0.999988	
As 188.979	3	Lin, Calc Int	-1.3	801.5	0.00000	0.999995	
B 182.528	3	Lin, Calc Int	-2.7	512.4	0.00000	0.999908	
B 249.677	3	Lin, Calc Int	-4.5	1718	0.00000	0.999865	
Ba 233.527	3	Lin, Calc Int	137.8	72260	0.00000	0.999992	
Be 313.107	3	Lin, Calc Int	272.3	1674000	0.00000	0.999996	
Ca 315.887	3	Lin, Calc Int	1722.2	106200	0.00000	0.999985	
Cd 228.802	3	Lin, Calc Int	0.9	28220	0.00000	0.999974	
Co 228.616	3	Lin, Calc Int	109.0	39830	0.00000	0.999981	
Cr 267.716	3	Lin, Calc Int	291.1	90810	0.00000	0.999976	
Cu 324.752	3	Lin, Calc Int	590.1	177600	0.00000	0.999980	
Fe 234.349	3	Lin, Calc Int	-21.5	1167	0.00000	0.999888	
Fe 238.204	3	Lin, Calc Int	1385.3	118300	0.00000	0.999989	
K 766.490	3	Lin, Calc Int	-366.6	1859	0.00000	0.999873	
Li 670.784	3	Lin, Calc Int	-18.9	32370	0.00000	0.999991	
Mg 279.077	3	Lin, Calc Int	428.5	11340	0.00000	0.999969	
Mn 257.610	3	Lin, Calc Int	1628.0	565600	0.00000	0.999986	
Mo 202.031	3	Lin, Calc Int	4.4	18760	0.00000	0.999987	
Na 589.592	3	Lin, Calc Int	-619.2	6113	0.00000	0.999946	
Ni 231.604	3	Lin, Calc Int	106.7	28220	0.00000	0.999968	
P 214.914	3	Lin, Calc Int	-46.7	1681	0.00000	0.999921	
Pb 220.353	3	Lin, Calc Int	45.1	11590	0.00000	0.999975	
Sb 206.836	3	Lin, Calc Int	1.4	1187	0.00000	0.999996	
Se 196.026	3	Lin, Calc Int	1.6	1031	0.00000	0.999988	
Sn 189.927	3	Lin, Calc Int	11.9	4423	0.00000	0.999988	
Sr 407.771	3	Lin, Calc Int	-434.4	953200	0.00000	0.999863	
Ti 337.279	3	Lin, Calc Int	1452.8	706700	0.00000	0.999988	
Tl 190.801	3	Lin, Calc Int	6.4	1431	0.00000	0.999967	
V 292.402	3	Lin, Calc Int	341.9	159600	0.00000	0.999989	
Zn 213.857	3	Lin, Calc Int	102.2	93010	0.00000	0.999995	

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Sequence No.: 5	Autosampler Location: 3
Sample ID: ICV1	Date Collected: 10/6/2012 12:20:50 PM
Analyst:	Data Type: Reprocessed on 10/6/2012 1:22:46 PM
Logged In Analyst (Original) : ICP3	
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: ICV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 371.029	2517339.0	2517339.0	1.02	mg/L			12:23:00
1	Ag 328.068†	32043.6	30146.0	0.2552	mg/L	0.2552	mg/L	12:23:02
1	Al 237.313†	19978.6	19786.0	2.552	mg/L	2.552	mg/L	12:23:02
1	As 188.979†	411.4	401.9	0.5032	mg/L	0.5032	mg/L	12:23:12
1	B 182.528†	260.6	253.8	0.5006	mg/L	0.5006	mg/L	12:23:12
1	B 249.677†	866.5	848.5	0.4956	mg/L	0.4956	mg/L	12:22:43
1	Ba 233.527†	37422.6	36877.4	0.5081	mg/L	0.5081	mg/L	12:23:02
1	Be 313.107†	86270.9	85404.5	0.0509	mg/L	0.0509	mg/L	12:23:02
1	Ca 315.887†	543117.4	534263.8	5.019	mg/L	5.019	mg/L	12:23:00
1	Cd 228.802†	7185.6	7007.7	0.2460	mg/L	0.2460	mg/L	12:23:12
1	Co 228.616†	20659.6	20393.5	0.5086	mg/L	0.5086	mg/L	12:23:02
1	Cr 267.716†	47806.7	46632.4	0.5109	mg/L	0.5109	mg/L	12:23:02
1	Cu 324.752†	94225.8	91482.8	0.5122	mg/L	0.5122	mg/L	12:23:02
1	Fe 234.349†	2873.5	2833.2	2.435	mg/L	2.435	mg/L	12:22:43
1	Fe 238.204†	307326.4	302245.7	2.544	mg/L	2.544	mg/L	12:23:02
1	K 766.490†	46264.9	45354.9	24.59	mg/L	24.59	mg/L	12:22:33
1	Li 670.784†	16151.8	16068.5	0.4969	mg/L	0.4969	mg/L	12:22:33
1	Mg 279.077†	59708.8	58617.2	5.134	mg/L	5.134	mg/L	12:23:02
1	Mn 257.610†	296772.0	290848.9	0.5115	mg/L	0.5115	mg/L	12:23:02
1	Mo 202.031†	9518.1	9338.5	0.4965	mg/L	0.4965	mg/L	12:23:12
1	Na 589.592†	152825.6	150226.4	24.67	mg/L	24.67	mg/L	12:22:33
1	Ni 231.604†	14760.4	14542.7	0.5124	mg/L	0.5124	mg/L	12:23:02
1	P 214.914†	8681.8	8200.0	4.899	mg/L	4.899	mg/L	12:23:12
1	Pb 220.353†	5993.1	5838.9	0.4983	mg/L	0.4983	mg/L	12:23:12
1	Sb 206.836†	641.5	594.4	0.4989	mg/L	0.4989	mg/L	12:23:12
1	Se 196.026†	1039.1	1022.3	0.9909	mg/L	0.9909	mg/L	12:23:12
1	Sn 189.927†	2253.9	2214.9	0.5052	mg/L	0.5052	mg/L	12:23:12
1	Sr 407.771†	47119.0	46233.1	0.0490	mg/L	0.0490	mg/L	12:22:33
1	Ti 337.279†	368440.1	362996.1	0.5116	mg/L	0.5116	mg/L	12:23:02
1	Tl 190.801†	735.3	721.5	0.4944	mg/L	0.4944	mg/L	12:23:12
1	V 292.402†	82519.6	81880.6	0.5166	mg/L	0.5166	mg/L	12:23:02
1	Zn 213.857†	49050.1	47463.1	0.5055	mg/L	0.5055	mg/L	12:23:02
2	Y 371.029	2547366.5	2547366.5	1.03	mg/L			12:23:15
2	Ag 328.068†	31516.8	29262.1	0.2477	mg/L	0.2477	mg/L	12:23:17
2	Al 237.313†	19635.5	19220.7	2.479	mg/L	2.479	mg/L	12:23:17
2	As 188.979†	403.1	388.9	0.4870	mg/L	0.4870	mg/L	12:23:27
2	B 182.528†	260.4	250.6	0.4943	mg/L	0.4943	mg/L	12:23:27
2	B 249.677†	849.8	822.1	0.4803	mg/L	0.4803	mg/L	12:22:56
2	Ba 233.527†	37022.9	36054.7	0.4968	mg/L	0.4968	mg/L	12:23:17
2	Be 313.107†	85177.5	83340.7	0.0497	mg/L	0.0497	mg/L	12:23:17
2	Ca 315.887†	551776.8	536384.5	5.039	mg/L	5.039	mg/L	12:23:15
2	Cd 228.802†	7244.8	6981.9	0.2452	mg/L	0.2452	mg/L	12:23:27
2	Co 228.616†	20287.5	19792.0	0.4935	mg/L	0.4935	mg/L	12:23:17
2	Cr 267.716†	47204.0	45491.8	0.4984	mg/L	0.4984	mg/L	12:23:17
2	Cu 324.752†	92356.8	88572.6	0.4958	mg/L	0.4958	mg/L	12:23:17
2	Fe 234.349†	2833.1	2760.6	2.373	mg/L	2.373	mg/L	12:22:56
2	Fe 238.204†	303034.8	294508.0	2.478	mg/L	2.478	mg/L	12:23:17
2	K 766.490†	45641.2	44211.8	23.98	mg/L	23.98	mg/L	12:22:46
2	Li 670.784†	15930.4	15665.8	0.4845	mg/L	0.4845	mg/L	12:22:46
2	Mg 279.077†	58789.3	57030.6	4.994	mg/L	4.994	mg/L	12:23:17
2	Mn 257.610†	292508.8	283261.2	0.4981	mg/L	0.4981	mg/L	12:23:17
2	Mo 202.031†	9593.3	9301.2	0.4946	mg/L	0.4946	mg/L	12:23:27
2	Na 589.592†	151004.4	146683.0	24.09	mg/L	24.09	mg/L	12:22:46
2	Ni 231.604†	14501.0	14119.3	0.4974	mg/L	0.4974	mg/L	12:23:17
2	P 214.914†	8763.6	8178.9	4.887	mg/L	4.887	mg/L	12:23:27
2	Pb 220.353†	6056.0	5830.6	0.4976	mg/L	0.4976	mg/L	12:23:27
2	Sb 206.836†	633.4	579.1	0.4860	mg/L	0.4860	mg/L	12:23:27
2	Se 196.026†	1056.8	1027.6	0.9960	mg/L	0.9960	mg/L	12:23:27
2	Sn 189.927†	2291.9	2225.8	0.5075	mg/L	0.5075	mg/L	12:23:27
2	Sr 407.771†	46584.7	45167.1	0.0478	mg/L	0.0478	mg/L	12:22:46
2	Ti 337.279†	362147.4	352603.7	0.4969	mg/L	0.4969	mg/L	12:23:17
2	Tl 190.801†	746.5	723.9	0.4962	mg/L	0.4962	mg/L	12:23:27
2	V 292.402†	81478.8	79911.4	0.5042	mg/L	0.5042	mg/L	12:23:17
2	Zn 213.857†	48262.5	46128.3	0.4912	mg/L	0.4912	mg/L	12:23:17

Mean Data: ICV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2532352.8	1.02	mg/L	0.009				0.84%

Ag	328.068†	29704.1	0.2515 mg/L	0.00532	0.2515 mg/L	0.00532	2.12%
	QC value within limits for Ag	328.068	Recovery =	100.59%			
Al	237.313†	19503.3	2.515 mg/L	0.0517	2.515 mg/L	0.0517	2.06%
	QC value within limits for Al	237.313	Recovery =	100.61%			
As	188.979†	395.4	0.4951 mg/L	0.01141	0.4951 mg/L	0.01141	2.30%
	QC value within limits for As	188.979	Recovery =	99.02%			
B	182.528†	252.2	0.4975 mg/L	0.00448	0.4975 mg/L	0.00448	0.90%
	QC value within limits for B	182.528	Recovery =	99.50%			
B	249.677†	835.3	0.4879 mg/L	0.01081	0.4879 mg/L	0.01081	2.21%
	QC value within limits for B	249.677	Recovery =	97.59%			
Ba	233.527†	36466.0	0.5025 mg/L	0.00805	0.5025 mg/L	0.00805	1.60%
	QC value within limits for Ba	233.527	Recovery =	100.49%			
Be	313.107†	84372.6	0.0503 mg/L	0.00087	0.0503 mg/L	0.00087	1.74%
	QC value within limits for Be	313.107	Recovery =	100.57%			
Ca	315.887†	535324.2	5.029 mg/L	0.0141	5.029 mg/L	0.0141	0.28%
	QC value within limits for Ca	315.887	Recovery =	100.59%			
Cd	228.802†	6994.8	0.2456 mg/L	0.00060	0.2456 mg/L	0.00060	0.24%
	QC value within limits for Cd	228.802	Recovery =	98.23%			
Co	228.616†	20092.7	0.5010 mg/L	0.01066	0.5010 mg/L	0.01066	2.13%
	QC value within limits for Co	228.616	Recovery =	100.21%			
Cr	267.716†	46062.1	0.5047 mg/L	0.00888	0.5047 mg/L	0.00888	1.76%
	QC value within limits for Cr	267.716	Recovery =	100.93%			
Cu	324.752†	90027.7	0.5040 mg/L	0.01160	0.5040 mg/L	0.01160	2.30%
	QC value within limits for Cu	324.752	Recovery =	100.80%			
Fe	234.349†	2796.9	2.404 mg/L	0.0439	2.404 mg/L	0.0439	1.82%
	QC value within limits for Fe	234.349	Recovery =	96.17%			
Fe	238.204†	298376.9	2.511 mg/L	0.0463	2.511 mg/L	0.0463	1.84%
	QC value within limits for Fe	238.204	Recovery =	100.43%			
K	766.490†	44783.3	24.28 mg/L	0.435	24.28 mg/L	0.435	1.79%
	QC value within limits for K	766.490	Recovery =	97.14%			
Li	670.784†	15867.2	0.4907 mg/L	0.00880	0.4907 mg/L	0.00880	1.79%
	QC value within limits for Li	670.784	Recovery =	98.14%			
Mg	279.077†	57823.9	5.064 mg/L	0.0990	5.064 mg/L	0.0990	1.95%
	QC value within limits for Mg	279.077	Recovery =	101.27%			
Mn	257.610†	287055.0	0.5048 mg/L	0.00949	0.5048 mg/L	0.00949	1.88%
	QC value within limits for Mn	257.610	Recovery =	100.96%			
Mo	202.031†	9319.8	0.4955 mg/L	0.00138	0.4955 mg/L	0.00138	0.28%
	QC value within limits for Mo	202.031	Recovery =	99.11%			
Na	589.592†	148454.7	24.38 mg/L	0.410	24.38 mg/L	0.410	1.68%
	QC value within limits for Na	589.592	Recovery =	97.54%			
Ni	231.604†	14331.0	0.5049 mg/L	0.01061	0.5049 mg/L	0.01061	2.10%
	QC value within limits for Ni	231.604	Recovery =	100.97%			
P	214.914†	8189.4	4.893 mg/L	0.0088	4.893 mg/L	0.0088	0.18%
	QC value within limits for P	214.914	Recovery =	97.86%			
Pb	220.353†	5834.8	0.4980 mg/L	0.00047	0.4980 mg/L	0.00047	0.09%
	QC value within limits for Pb	220.353	Recovery =	99.59%			
Sb	206.836†	586.8	0.4924 mg/L	0.00909	0.4924 mg/L	0.00909	1.85%
	QC value within limits for Sb	206.836	Recovery =	98.49%			
Se	196.026†	1025.0	0.9935 mg/L	0.00357	0.9935 mg/L	0.00357	0.36%
	QC value within limits for Se	196.026	Recovery =	99.35%			
Sn	189.927†	2220.3	0.5064 mg/L	0.00161	0.5064 mg/L	0.00161	0.32%
	QC value within limits for Sn	189.927	Recovery =	101.27%			
Sr	407.771†	45700.1	0.0484 mg/L	0.00079	0.0484 mg/L	0.00079	1.63%
	QC value within limits for Sr	407.771	Recovery =	96.79%			
Ti	337.279†	357799.9	0.5042 mg/L	0.01040	0.5042 mg/L	0.01040	2.06%
	QC value within limits for Ti	337.279	Recovery =	100.85%			
Tl	190.801†	722.7	0.4953 mg/L	0.00128	0.4953 mg/L	0.00128	0.26%
	QC value within limits for Tl	190.801	Recovery =	99.06%			
V	292.402†	80896.0	0.5104 mg/L	0.00877	0.5104 mg/L	0.00877	1.72%
	QC value within limits for V	292.402	Recovery =	102.08%			
Zn	213.857†	46795.7	0.4983 mg/L	0.01007	0.4983 mg/L	0.01007	2.02%
	QC value within limits for Zn	213.857	Recovery =	99.67%			
All analyte(s) passed QC.							

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Sequence No.: 6                               Autosampler Location: 5
Sample ID: SCV1                               Date Collected: 10/6/2012 12:25:06 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:47 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 371.029	2518983.9	2518983.9	1.02	mg/L			12:27:16
1	Ag 328.068†	32002.2	30084.6	0.2547	mg/L	0.2547	mg/L	12:27:18
1	Al 237.313†	19273.1	19079.4	2.461	mg/L	2.461	mg/L	12:27:18
1	As 188.979†	396.0	386.4	0.4840	mg/L	0.4840	mg/L	12:27:28
1	B 182.528†	258.1	251.2	0.4955	mg/L	0.4955	mg/L	12:27:28
1	B 249.677†	875.1	856.4	0.5002	mg/L	0.5002	mg/L	12:26:59
1	Ba 233.527†	37581.6	37009.7	0.5100	mg/L	0.5100	mg/L	12:27:18
1	Be 313.107†	86540.9	85614.5	0.0510	mg/L	0.0510	mg/L	12:27:18
1	Ca 315.887†	533323.0	524283.6	4.925	mg/L	4.925	mg/L	12:27:16
1	Cd 228.802†	7201.0	7018.2	0.2465	mg/L	0.2465	mg/L	12:27:28
1	Co 228.616†	20632.8	20353.9	0.5077	mg/L	0.5077	mg/L	12:27:18
1	Cr 267.716†	48095.3	46885.5	0.5137	mg/L	0.5137	mg/L	12:27:18
1	Cu 324.752†	94304.4	91499.7	0.5123	mg/L	0.5123	mg/L	12:27:18
1	Fe 234.349†	2919.0	2876.1	2.472	mg/L	2.472	mg/L	12:26:59
1	Fe 238.204†	306470.9	301206.9	2.535	mg/L	2.535	mg/L	12:27:18
1	K 766.490†	46157.7	45219.7	24.52	mg/L	24.52	mg/L	12:26:49
1	Li 670.784†	16270.9	16175.2	0.5002	mg/L	0.5002	mg/L	12:26:49
1	Mg 279.077†	59027.4	57908.8	5.071	mg/L	5.071	mg/L	12:27:18
1	Mn 257.610†	297663.2	291534.5	0.5127	mg/L	0.5127	mg/L	12:27:18
1	Mo 202.031†	9422.5	9238.4	0.4912	mg/L	0.4912	mg/L	12:27:28
1	Na 589.592†	152025.3	149341.2	24.53	mg/L	24.53	mg/L	12:26:49
1	Ni 231.604†	14819.3	14591.2	0.5141	mg/L	0.5141	mg/L	12:27:18
1	P 214.914†	8592.4	8106.5	4.844	mg/L	4.844	mg/L	12:27:28
1	Pb 220.353†	5966.7	5809.1	0.4957	mg/L	0.4957	mg/L	12:27:28
1	Sb 206.836†	613.5	566.5	0.4753	mg/L	0.4753	mg/L	12:27:28
1	Se 196.026†	1044.4	1026.9	0.9954	mg/L	0.9954	mg/L	12:27:28
1	Sn 189.927†	2305.1	2263.8	0.5164	mg/L	0.5164	mg/L	12:27:28
1	Sr 407.771†	46354.2	45450.8	0.0481	mg/L	0.0481	mg/L	12:26:49
1	Ti 337.279†	336676.0	331524.6	0.4671	mg/L	0.4671	mg/L	12:27:18
1	Tl 190.801†	745.5	731.1	0.5011	mg/L	0.5011	mg/L	12:27:28
1	V 292.402†	82115.0	81429.6	0.5138	mg/L	0.5138	mg/L	12:27:18
1	Zn 213.857†	49149.2	47529.0	0.5062	mg/L	0.5062	mg/L	12:27:18
2	Y 371.029	2483530.1	2483530.1	1.00	mg/L			12:27:31
2	Ag 328.068†	31641.8	30174.5	0.2555	mg/L	0.2555	mg/L	12:27:33
2	Al 237.313†	19005.3	19082.9	2.461	mg/L	2.461	mg/L	12:27:33
2	As 188.979†	396.4	392.3	0.4913	mg/L	0.4913	mg/L	12:27:43
2	B 182.528†	258.1	254.8	0.5026	mg/L	0.5026	mg/L	12:27:43
2	B 249.677†	883.9	877.4	0.5124	mg/L	0.5124	mg/L	12:27:12
2	Ba 233.527†	37120.8	37077.7	0.5109	mg/L	0.5109	mg/L	12:27:33
2	Be 313.107†	85153.2	85445.4	0.0509	mg/L	0.0509	mg/L	12:27:33
2	Ca 315.887†	523288.1	521761.7	4.902	mg/L	4.902	mg/L	12:27:31
2	Cd 228.802†	7248.6	7166.8	0.2517	mg/L	0.2517	mg/L	12:27:43
2	Co 228.616†	20361.7	20373.1	0.5082	mg/L	0.5082	mg/L	12:27:33
2	Cr 267.716†	47505.2	46972.0	0.5147	mg/L	0.5147	mg/L	12:27:33
2	Cu 324.752†	92970.6	91493.2	0.5122	mg/L	0.5122	mg/L	12:27:33
2	Fe 234.349†	2971.6	2969.5	2.552	mg/L	2.552	mg/L	12:27:12
2	Fe 238.204†	302586.7	301635.1	2.538	mg/L	2.538	mg/L	12:27:33
2	K 766.490†	46516.8	46225.9	25.06	mg/L	25.06	mg/L	12:27:02
2	Li 670.784†	16528.9	16661.0	0.5152	mg/L	0.5152	mg/L	12:27:02
2	Mg 279.077†	58232.3	57944.4	5.074	mg/L	5.074	mg/L	12:27:33
2	Mn 257.610†	293887.0	291946.8	0.5134	mg/L	0.5134	mg/L	12:27:33
2	Mo 202.031†	9549.9	9497.7	0.5050	mg/L	0.5050	mg/L	12:27:43
2	Na 589.592†	153860.6	153305.8	25.18	mg/L	25.18	mg/L	12:27:02
2	Ni 231.604†	14594.9	14575.4	0.5135	mg/L	0.5135	mg/L	12:27:33
2	P 214.914†	8665.1	8299.7	4.959	mg/L	4.959	mg/L	12:27:43
2	Pb 220.353†	6024.3	5950.4	0.5079	mg/L	0.5079	mg/L	12:27:43
2	Sb 206.836†	619.7	581.2	0.4877	mg/L	0.4877	mg/L	12:27:43
2	Se 196.026†	1055.3	1052.5	1.020	mg/L	1.020	mg/L	12:27:43
2	Sn 189.927†	2318.5	2309.6	0.5270	mg/L	0.5270	mg/L	12:27:43
2	Sr 407.771†	46863.0	46608.9	0.0494	mg/L	0.0494	mg/L	12:27:02
2	Ti 337.279†	333666.5	333249.1	0.4695	mg/L	0.4695	mg/L	12:27:33
2	Tl 190.801†	761.5	757.5	0.5195	mg/L	0.5195	mg/L	12:27:43
2	V 292.402†	81075.0	81545.1	0.5146	mg/L	0.5146	mg/L	12:27:33
2	Zn 213.857†	48593.4	47664.6	0.5076	mg/L	0.5076	mg/L	12:27:33

Mean Data: SCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2501257.0	1.01	mg/L	0.010				1.00%

Ag	328.068†	30129.5	0.2551 mg/L	0.00054	0.2551 mg/L	0.00054	0.21%
	QC value within limits for Ag	328.068	Recovery =	102.04%			
Al	237.313†	19081.1	2.461 mg/L	0.0003	2.461 mg/L	0.0003	0.01%
	QC value within limits for Al	237.313	Recovery =	98.44%			
As	188.979†	389.4	0.4877 mg/L	0.00521	0.4877 mg/L	0.00521	1.07%
	QC value within limits for As	188.979	Recovery =	97.53%			
B	182.528†	253.0	0.4991 mg/L	0.00502	0.4991 mg/L	0.00502	1.01%
	QC value within limits for B	182.528	Recovery =	99.81%			
B	249.677†	866.9	0.5063 mg/L	0.00866	0.5063 mg/L	0.00866	1.71%
	QC value within limits for B	249.677	Recovery =	101.26%			
Ba	233.527†	37043.7	0.5104 mg/L	0.00066	0.5104 mg/L	0.00066	0.13%
	QC value within limits for Ba	233.527	Recovery =	102.09%			
Be	313.107†	85530.0	0.0510 mg/L	0.00007	0.0510 mg/L	0.00007	0.14%
	QC value within limits for Be	313.107	Recovery =	101.95%			
Ca	315.887†	523022.7	4.913 mg/L	0.0168	4.913 mg/L	0.0168	0.34%
	QC value within limits for Ca	315.887	Recovery =	98.27%			
Cd	228.802†	7092.5	0.2491 mg/L	0.00370	0.2491 mg/L	0.00370	1.49%
	QC value within limits for Cd	228.802	Recovery =	99.63%			
Co	228.616†	20363.5	0.5079 mg/L	0.00034	0.5079 mg/L	0.00034	0.07%
	QC value within limits for Co	228.616	Recovery =	101.58%			
Cr	267.716†	46928.7	0.5142 mg/L	0.00069	0.5142 mg/L	0.00069	0.13%
	QC value within limits for Cr	267.716	Recovery =	102.84%			
Cu	324.752†	91496.4	0.5123 mg/L	0.00002	0.5123 mg/L	0.00002	0.00%
	QC value within limits for Cu	324.752	Recovery =	102.45%			
Fe	234.349†	2922.8	2.512 mg/L	0.0566	2.512 mg/L	0.0566	2.25%
	QC value within limits for Fe	234.349	Recovery =	100.49%			
Fe	238.204†	301421.0	2.537 mg/L	0.0026	2.537 mg/L	0.0026	0.10%
	QC value within limits for Fe	238.204	Recovery =	101.46%			
K	766.490†	45722.8	24.79 mg/L	0.383	24.79 mg/L	0.383	1.54%
	QC value within limits for K	766.490	Recovery =	99.16%			
Li	670.784†	16418.1	0.5077 mg/L	0.01061	0.5077 mg/L	0.01061	2.09%
	QC value within limits for Li	670.784	Recovery =	101.55%			
Mg	279.077†	57926.6	5.073 mg/L	0.0022	5.073 mg/L	0.0022	0.04%
	QC value within limits for Mg	279.077	Recovery =	101.46%			
Mn	257.610†	291740.6	0.5131 mg/L	0.00052	0.5131 mg/L	0.00052	0.10%
	QC value within limits for Mn	257.610	Recovery =	102.62%			
Mo	202.031†	9368.0	0.4981 mg/L	0.00976	0.4981 mg/L	0.00976	1.96%
	QC value within limits for Mo	202.031	Recovery =	99.62%			
Na	589.592†	151323.5	24.85 mg/L	0.459	24.85 mg/L	0.459	1.85%
	QC value within limits for Na	589.592	Recovery =	99.42%			
Ni	231.604†	14583.3	0.5138 mg/L	0.00038	0.5138 mg/L	0.00038	0.07%
	QC value within limits for Ni	231.604	Recovery =	102.76%			
P	214.914†	8203.1	4.901 mg/L	0.0813	4.901 mg/L	0.0813	1.66%
	QC value within limits for P	214.914	Recovery =	98.02%			
Pb	220.353†	5879.7	0.5018 mg/L	0.00862	0.5018 mg/L	0.00862	1.72%
	QC value within limits for Pb	220.353	Recovery =	100.37%			
Sb	206.836†	573.9	0.4815 mg/L	0.00876	0.4815 mg/L	0.00876	1.82%
	QC value within limits for Sb	206.836	Recovery =	96.30%			
Se	196.026†	1039.7	1.008 mg/L	0.0175	1.008 mg/L	0.0175	1.74%
	QC value within limits for Se	196.026	Recovery =	100.78%			
Sn	189.927†	2286.7	0.5217 mg/L	0.00749	0.5217 mg/L	0.00749	1.44%
	QC value within limits for Sn	189.927	Recovery =	104.34%			
Sr	407.771†	46029.8	0.0487 mg/L	0.00086	0.0487 mg/L	0.00086	1.76%
	QC value within limits for Sr	407.771	Recovery =	97.49%			
Ti	337.279†	332386.9	0.4683 mg/L	0.00173	0.4683 mg/L	0.00173	0.37%
	QC value within limits for Ti	337.279	Recovery =	93.66%			
Tl	190.801†	744.3	0.5103 mg/L	0.01301	0.5103 mg/L	0.01301	2.55%
	QC value within limits for Tl	190.801	Recovery =	102.06%			
V	292.402†	81487.4	0.5142 mg/L	0.00057	0.5142 mg/L	0.00057	0.11%
	QC value within limits for V	292.402	Recovery =	102.84%			
Zn	213.857†	47596.8	0.5069 mg/L	0.00103	0.5069 mg/L	0.00103	0.20%
	QC value within limits for Zn	213.857	Recovery =	101.38%			
All analyte(s) passed QC.							

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Sequence No.: 7                               Autosampler Location: 1
Sample ID: ICB1                               Date Collected: 10/6/2012 12:29:23 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:47 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: ICB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2505975.9	2505975.9	1.01	mg/L			12:31:46
1	Ag 328.068†	1347.6	-52.2	-0.0020	mg/L	-0.0020	mg/L	12:31:49
1	Al 237.313†	-119.3	9.6	-0.0066	mg/L	-0.0066	mg/L	12:31:59
1	As 188.979†	-1.1	-4.1	-0.0035	mg/L	-0.0035	mg/L	12:31:59
1	B 182.528†	3.7	1.1	0.0074	mg/L	0.0074	mg/L	12:31:59
1	B 249.677†	14.9	10.5	0.0088	mg/L	0.0088	mg/L	12:31:22
1	Ba 233.527†	-42.9	12.0	-0.0017	mg/L	-0.0017	mg/L	12:31:59
1	Be 313.107†	-480.2	41.2	-0.0001	mg/L	-0.0001	mg/L	12:31:49
1	Ca 315.887†	205.8	51.6	-0.0157	mg/L	-0.0157	mg/L	12:31:49
1	Cd 228.802†	66.7	3.1	0.0001	mg/L	0.0001	mg/L	12:31:59
1	Co 228.616†	-71.1	-5.4	-0.0029	mg/L	-0.0029	mg/L	12:31:59
1	Cr 267.716†	440.7	27.2	-0.0029	mg/L	-0.0029	mg/L	12:31:49
1	Cu 324.752†	1213.2	-34.1	-0.0035	mg/L	-0.0035	mg/L	12:31:49
1	Fe 234.349†	-7.0	-1.2	0.0175	mg/L	0.0175	mg/L	12:31:22
1	Fe 238.204†	181.6	22.8	-0.0115	mg/L	-0.0115	mg/L	12:31:59
1	K 766.490†	225.9	54.6	0.2266	mg/L	0.2266	mg/L	12:31:12
1	Li 670.784†	-127.1	49.9	0.0021	mg/L	0.0021	mg/L	12:31:12
1	Mg 279.077†	152.7	16.0	-0.0364	mg/L	-0.0364	mg/L	12:31:49
1	Mn 257.610†	500.2	-673.8	-0.0041	mg/L	-0.0041	mg/L	12:31:59
1	Mo 202.031†	29.6	2.1	-0.0001	mg/L	-0.0001	mg/L	12:31:59
1	Na 589.592†	200.3	47.4	0.1090	mg/L	0.1090	mg/L	12:31:12
1	Ni 231.604†	-16.4	2.6	-0.0037	mg/L	-0.0037	mg/L	12:31:59
1	P 214.914†	358.7	11.8	0.0349	mg/L	0.0349	mg/L	12:31:59
1	Pb 220.353†	58.9	0.1	-0.0039	mg/L	-0.0039	mg/L	12:31:59
1	Sb 206.836†	38.4	1.2	-0.0002	mg/L	-0.0002	mg/L	12:31:59
1	Se 196.026†	1.2	1.1	-0.0005	mg/L	-0.0005	mg/L	12:31:59
1	Sn 189.927†	12.0	9.0	-0.0006	mg/L	-0.0006	mg/L	12:31:59
1	Sr 407.771†	135.1	2.6	0.0005	mg/L	0.0005	mg/L	12:31:12
1	Ti 337.279†	-378.8	84.7	-0.0019	mg/L	-0.0019	mg/L	12:31:49
1	Tl 190.801†	2.2	0.2	-0.0043	mg/L	-0.0043	mg/L	12:31:59
1	V 292.402†	-539.4	149.9	-0.0012	mg/L	-0.0012	mg/L	12:31:49
1	Zn 213.857†	806.0	-4.4	-0.0011	mg/L	-0.0011	mg/L	12:31:59
2	Y 371.029	2478194.0	2478194.0	1.00	mg/L			12:32:01
2	Ag 328.068†	1413.8	29.0	-0.0013	mg/L	-0.0013	mg/L	12:32:03
2	Al 237.313†	-136.3	-8.8	-0.0089	mg/L	-0.0089	mg/L	12:32:14
2	As 188.979†	4.9	1.9	0.0039	mg/L	0.0039	mg/L	12:32:14
2	B 182.528†	7.0	4.4	0.0139	mg/L	0.0139	mg/L	12:32:14
2	B 249.677†	17.4	13.2	0.0103	mg/L	0.0103	mg/L	12:31:43
2	Ba 233.527†	-54.6	-0.1	-0.0019	mg/L	-0.0019	mg/L	12:32:14
2	Be 313.107†	-518.5	-2.4	-0.0002	mg/L	-0.0002	mg/L	12:32:03
2	Ca 315.887†	127.2	-24.6	-0.0165	mg/L	-0.0165	mg/L	12:32:03
2	Cd 228.802†	65.7	2.8	0.0001	mg/L	0.0001	mg/L	12:32:14
2	Co 228.616†	-47.7	17.2	-0.0023	mg/L	-0.0023	mg/L	12:32:14
2	Cr 267.716†	454.7	46.1	-0.0027	mg/L	-0.0027	mg/L	12:32:03
2	Cu 324.752†	1273.0	39.1	-0.0031	mg/L	-0.0031	mg/L	12:32:03
2	Fe 234.349†	-5.9	-0.2	0.0183	mg/L	0.0183	mg/L	12:31:43
2	Fe 238.204†	166.6	9.8	-0.0116	mg/L	-0.0116	mg/L	12:32:14
2	K 766.490†	220.1	51.3	0.2248	mg/L	0.2248	mg/L	12:31:33
2	Li 670.784†	-161.3	14.3	0.0010	mg/L	0.0010	mg/L	12:31:33
2	Mg 279.077†	158.7	23.7	-0.0357	mg/L	-0.0357	mg/L	12:32:03
2	Mn 257.610†	507.3	-661.2	-0.0040	mg/L	-0.0040	mg/L	12:32:14
2	Mo 202.031†	30.3	3.1	-0.0001	mg/L	-0.0001	mg/L	12:32:14
2	Na 589.592†	199.3	48.6	0.1092	mg/L	0.1092	mg/L	12:31:33
2	Ni 231.604†	-24.0	-5.2	-0.0040	mg/L	-0.0040	mg/L	12:32:14
2	P 214.914†	322.8	-20.1	0.0159	mg/L	0.0159	mg/L	12:32:14
2	Pb 220.353†	42.7	-15.5	-0.0052	mg/L	-0.0052	mg/L	12:32:14
2	Sb 206.836†	34.4	-2.4	-0.0032	mg/L	-0.0032	mg/L	12:32:14
2	Se 196.026†	4.6	4.5	0.0029	mg/L	0.0029	mg/L	12:32:14
2	Sn 189.927†	8.8	5.9	-0.0013	mg/L	-0.0013	mg/L	12:32:14
2	Sr 407.771†	127.1	-3.9	0.0005	mg/L	0.0005	mg/L	12:31:33
2	Ti 337.279†	-319.2	140.1	-0.0019	mg/L	-0.0019	mg/L	12:32:03
2	Tl 190.801†	7.6	5.6	-0.0005	mg/L	-0.0005	mg/L	12:32:14
2	V 292.402†	-644.3	39.1	-0.0019	mg/L	-0.0019	mg/L	12:32:03
2	Zn 213.857†	813.9	12.3	-0.0009	mg/L	-0.0009	mg/L	12:32:14

Mean Data: ICB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2492085.0	1.01 mg/L	0.008			0.79%

Ag	328.068†	-11.6	-0.0016 mg/L	0.00049	-0.0016 mg/L	0.00049	30.10%
	QC value within limits for Ag 328.068 Recovery = Not calculated						
Al	237.313†	0.4	-0.0077 mg/L	0.00168	-0.0077 mg/L	0.00168	21.66%
	QC value within limits for Al 237.313 Recovery = Not calculated						
As	188.979†	-1.1	0.0002 mg/L	0.00527	0.0002 mg/L	0.00527	>999.9%
	QC value within limits for As 188.979 Recovery = Not calculated						
B	182.528†	2.7	0.0107 mg/L	0.00459	0.0107 mg/L	0.00459	43.06%
	QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B	249.677†	11.9	0.0096 mg/L	0.00111	0.0096 mg/L	0.00111	11.61%
	QC value within limits for B 249.677 Recovery = Not calculated						
Ba	233.527†	5.9	-0.0018 mg/L	0.00012	-0.0018 mg/L	0.00012	6.48%
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Be	313.107†	19.4	-0.0002 mg/L	0.00002	-0.0002 mg/L	0.00002	12.17%
	QC value within limits for Be 313.107 Recovery = Not calculated						
Ca	315.887†	13.5	-0.0161 mg/L	0.00051	-0.0161 mg/L	0.00051	3.18%
	QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd	228.802†	2.9	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	41.57%
	QC value within limits for Cd 228.802 Recovery = Not calculated						
Co	228.616†	5.9	-0.0026 mg/L	0.00040	-0.0026 mg/L	0.00040	15.55%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr	267.716†	36.6	-0.0028 mg/L	0.00015	-0.0028 mg/L	0.00015	5.25%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu	324.752†	2.5	-0.0033 mg/L	0.00029	-0.0033 mg/L	0.00029	8.81%
	QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe	234.349†	-0.7	0.0179 mg/L	0.00059	0.0179 mg/L	0.00059	3.29%
	QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated						
Fe	238.204†	16.3	-0.0116 mg/L	0.00008	-0.0116 mg/L	0.00008	0.68%
	QC value within limits for Fe 238.204 Recovery = Not calculated						
K	766.490†	52.9	0.2257 mg/L	0.00124	0.2257 mg/L	0.00124	0.55%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li	670.784†	32.1	0.0016 mg/L	0.00078	0.0016 mg/L	0.00078	49.45%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	19.8	-0.0361 mg/L	0.00048	-0.0361 mg/L	0.00048	1.33%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn	257.610†	-667.5	-0.0041 mg/L	0.00002	-0.0041 mg/L	0.00002	0.39%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	2.6	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	38.01%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na	589.592†	48.0	0.1091 mg/L	0.00013	0.1091 mg/L	0.00013	0.12%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	-1.3	-0.0038 mg/L	0.00019	-0.0038 mg/L	0.00019	5.06%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-4.1	0.0254 mg/L	0.01342	0.0254 mg/L	0.01342	52.80%
	QC value greater than the upper limit for P 214.914 Recovery = Not calculated						
Pb	220.353†	-7.7	-0.0045 mg/L	0.00095	-0.0045 mg/L	0.00095	20.94%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-0.6	-0.0017 mg/L	0.00215	-0.0017 mg/L	0.00215	125.90%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	2.8	0.0012 mg/L	0.00234	0.0012 mg/L	0.00234	194.80%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	7.4	-0.0010 mg/L	0.00049	-0.0010 mg/L	0.00049	51.21%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	-0.7	0.0005 mg/L	0.00000	0.0005 mg/L	0.00000	1.07%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	112.4	-0.0019 mg/L	0.00006	-0.0019 mg/L	0.00006	2.92%
	QC value less than the lower limit for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	2.9	-0.0024 mg/L	0.00270	-0.0024 mg/L	0.00270	111.42%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	94.5	-0.0016 mg/L	0.00049	-0.0016 mg/L	0.00049	31.21%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	3.9	-0.0010 mg/L	0.00013	-0.0010 mg/L	0.00013	12.43%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

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Sequence No.: 8                               Autosampler Location: 6
Sample ID: CRL1                               Date Collected: 10/6/2012 12:33:51 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:48 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Y 371.029	2576421.8	2576421.8	1.04	mg/L			12:35:58
1	Ag 328.068†	4474.8	2918.0	0.0233	mg/L	0.0233	mg/L	12:36:00
1	Al 237.313†	1929.8	1982.8	0.2487	mg/L	0.2487	mg/L	12:36:11
1	As 188.979†	42.1	37.5	0.0484	mg/L	0.0484	mg/L	12:36:11
1	B 182.528†	28.0	24.3	0.0528	mg/L	0.0528	mg/L	12:36:11
1	B 249.677†	96.7	88.8	0.0542	mg/L	0.0542	mg/L	12:35:42
1	Ba 233.527†	3767.0	3676.0	0.0489	mg/L	0.0489	mg/L	12:36:11
1	Be 313.107†	8138.4	8340.2	0.0048	mg/L	0.0048	mg/L	12:36:00
1	Ca 315.887†	56116.2	53799.1	0.4908	mg/L	0.4908	mg/L	12:36:00
1	Cd 228.802†	793.6	700.2	0.0246	mg/L	0.0246	mg/L	12:36:11
1	Co 228.616†	2068.6	2053.7	0.0488	mg/L	0.0488	mg/L	12:36:11
1	Cr 267.716†	5122.6	4516.6	0.0466	mg/L	0.0466	mg/L	12:36:00
1	Cu 324.752†	10689.5	9043.8	0.0476	mg/L	0.0476	mg/L	12:36:00
1	Fe 234.349†	285.0	279.7	0.2571	mg/L	0.2571	mg/L	12:35:42
1	Fe 238.204†	31693.5	30313.9	0.2446	mg/L	0.2446	mg/L	12:36:00
1	K 766.490†	4821.7	4466.9	2.600	mg/L	2.600	mg/L	12:35:32
1	Li 670.784†	1502.8	1620.2	0.0506	mg/L	0.0506	mg/L	12:35:32
1	Mg 279.077†	6204.5	5830.1	0.4766	mg/L	0.4766	mg/L	12:36:00
1	Mn 257.610†	30856.7	28497.8	0.0475	mg/L	0.0475	mg/L	12:36:00
1	Mo 202.031†	984.5	919.4	0.0487	mg/L	0.0487	mg/L	12:36:11
1	Na 589.592†	15993.0	15225.3	2.592	mg/L	2.592	mg/L	12:35:32
1	Ni 231.604†	1495.8	1456.9	0.0479	mg/L	0.0479	mg/L	12:36:11
1	P 214.914†	1179.6	791.4	0.4980	mg/L	0.4980	mg/L	12:36:11
1	Pb 220.353†	663.3	579.6	0.0460	mg/L	0.0460	mg/L	12:36:11
1	Sb 206.836†	101.6	60.9	0.0501	mg/L	0.0501	mg/L	12:36:11
1	Se 196.026†	111.7	107.3	0.1026	mg/L	0.1026	mg/L	12:36:11
1	Sn 189.927†	228.5	216.8	0.0471	mg/L	0.0471	mg/L	12:36:11
1	Sr 407.771†	4882.4	4563.0	0.0052	mg/L	0.0052	mg/L	12:35:32
1	Ti 337.279†	36100.3	35166.4	0.0477	mg/L	0.0477	mg/L	12:36:00
1	Tl 190.801†	82.7	77.5	0.0492	mg/L	0.0492	mg/L	12:36:11
1	V 292.402†	7523.9	7916.7	0.0480	mg/L	0.0480	mg/L	12:36:00
1	Zn 213.857†	5654.0	4634.7	0.0484	mg/L	0.0484	mg/L	12:36:11
2	Y 371.029	2606184.6	2606184.6	1.05	mg/L			12:36:13
2	Ag 328.068†	4506.7	2899.2	0.0232	mg/L	0.0232	mg/L	12:36:15
2	Al 237.313†	1916.4	1949.0	0.2443	mg/L	0.2443	mg/L	12:36:25
2	As 188.979†	43.0	37.9	0.0489	mg/L	0.0489	mg/L	12:36:25
2	B 182.528†	27.8	23.8	0.0518	mg/L	0.0518	mg/L	12:36:25
2	B 249.677†	94.1	85.3	0.0522	mg/L	0.0522	mg/L	12:35:54
2	Ba 233.527†	3708.4	3579.0	0.0476	mg/L	0.0476	mg/L	12:36:25
2	Be 313.107†	8210.0	8318.9	0.0048	mg/L	0.0048	mg/L	12:36:15
2	Ca 315.887†	56182.2	53245.7	0.4856	mg/L	0.4856	mg/L	12:36:15
2	Cd 228.802†	793.9	691.7	0.0243	mg/L	0.0243	mg/L	12:36:25
2	Co 228.616†	2062.6	2025.3	0.0480	mg/L	0.0480	mg/L	12:36:25
2	Cr 267.716†	5230.6	4563.0	0.0471	mg/L	0.0471	mg/L	12:36:15
2	Cu 324.752†	10678.0	8915.5	0.0469	mg/L	0.0469	mg/L	12:36:15
2	Fe 234.349†	293.4	284.6	0.2613	mg/L	0.2613	mg/L	12:35:54
2	Fe 238.204†	31666.8	29940.5	0.2414	mg/L	0.2414	mg/L	12:36:15
2	K 766.490†	4834.7	4426.4	2.578	mg/L	2.578	mg/L	12:35:44
2	Li 670.784†	1506.7	1607.5	0.0502	mg/L	0.0502	mg/L	12:35:44
2	Mg 279.077†	6177.4	5736.3	0.4683	mg/L	0.4683	mg/L	12:36:15
2	Mn 257.610†	30843.5	28146.5	0.0469	mg/L	0.0469	mg/L	12:36:15
2	Mo 202.031†	975.2	899.7	0.0476	mg/L	0.0476	mg/L	12:36:25
2	Na 589.592†	15984.9	15042.0	2.562	mg/L	2.562	mg/L	12:35:44
2	Ni 231.604†	1472.2	1418.1	0.0465	mg/L	0.0465	mg/L	12:36:25
2	P 214.914†	1181.2	779.9	0.4912	mg/L	0.4912	mg/L	12:36:25
2	Pb 220.353†	678.8	587.0	0.0466	mg/L	0.0466	mg/L	12:36:25
2	Sb 206.836†	103.5	61.5	0.0506	mg/L	0.0506	mg/L	12:36:25
2	Se 196.026†	114.6	108.9	0.1042	mg/L	0.1042	mg/L	12:36:25
2	Sn 189.927†	230.2	215.9	0.0469	mg/L	0.0469	mg/L	12:36:25
2	Sr 407.771†	4957.7	4581.0	0.0053	mg/L	0.0053	mg/L	12:35:44
2	Ti 337.279†	35983.8	34659.4	0.0470	mg/L	0.0470	mg/L	12:36:15
2	Tl 190.801†	81.6	75.6	0.0478	mg/L	0.0478	mg/L	12:36:25
2	V 292.402†	7642.2	7946.5	0.0482	mg/L	0.0482	mg/L	12:36:15
2	Zn 213.857†	5619.3	4539.7	0.0474	mg/L	0.0474	mg/L	12:36:25

Mean Data: CRL1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2591303.2	1.05	mg/L	0.008				0.81%

Ag	328.068†	2908.6	0.0233 mg/L	0.00011	0.0233 mg/L	0.00011	0.49%
	QC value within limits for Ag 328.068 Recovery = 93.00%						
Al	237.313†	1965.9	0.2465 mg/L	0.00309	0.2465 mg/L	0.00309	1.25%
	QC value within limits for Al 237.313 Recovery = 98.61%						
As	188.979†	37.7	0.0487 mg/L	0.00039	0.0487 mg/L	0.00039	0.81%
	QC value within limits for As 188.979 Recovery = 97.31%						
B	182.528†	24.0	0.0523 mg/L	0.00071	0.0523 mg/L	0.00071	1.36%
	QC value within limits for B 182.528 Recovery = 104.53%						
B	249.677†	87.1	0.0532 mg/L	0.00143	0.0532 mg/L	0.00143	2.69%
	QC value within limits for B 249.677 Recovery = 106.43%						
Ba	233.527†	3627.5	0.0483 mg/L	0.00095	0.0483 mg/L	0.00095	1.97%
	QC value within limits for Ba 233.527 Recovery = 96.53%						
Be	313.107†	8329.5	0.0048 mg/L	0.00001	0.0048 mg/L	0.00001	0.19%
	QC value within limits for Be 313.107 Recovery = 96.34%						
Ca	315.887†	53522.4	0.4882 mg/L	0.00368	0.4882 mg/L	0.00368	0.75%
	QC value within limits for Ca 315.887 Recovery = 97.64%						
Cd	228.802†	696.0	0.0244 mg/L	0.00021	0.0244 mg/L	0.00021	0.87%
	QC value within limits for Cd 228.802 Recovery = 97.64%						
Co	228.616†	2039.5	0.0484 mg/L	0.00050	0.0484 mg/L	0.00050	1.04%
	QC value within limits for Co 228.616 Recovery = 96.81%						
Cr	267.716†	4539.8	0.0468 mg/L	0.00036	0.0468 mg/L	0.00036	0.77%
	QC value within limits for Cr 267.716 Recovery = 93.70%						
Cu	324.752†	8979.7	0.0473 mg/L	0.00051	0.0473 mg/L	0.00051	1.08%
	QC value within limits for Cu 324.752 Recovery = 94.56%						
Fe	234.349†	282.2	0.2592 mg/L	0.00299	0.2592 mg/L	0.00299	1.15%
	QC value within limits for Fe 234.349 Recovery = 103.69%						
Fe	238.204†	30127.2	0.2430 mg/L	0.00223	0.2430 mg/L	0.00223	0.92%
	QC value within limits for Fe 238.204 Recovery = 97.19%						
K	766.490†	4446.6	2.589 mg/L	0.0154	2.589 mg/L	0.0154	0.60%
	QC value within limits for K 766.490 Recovery = 103.56%						
Li	670.784†	1613.8	0.0504 mg/L	0.00028	0.0504 mg/L	0.00028	0.55%
	QC value within limits for Li 670.784 Recovery = 100.87%						
Mg	279.077†	5783.2	0.4724 mg/L	0.00585	0.4724 mg/L	0.00585	1.24%
	QC value within limits for Mg 279.077 Recovery = 94.48%						
Mn	257.610†	28322.2	0.0472 mg/L	0.00044	0.0472 mg/L	0.00044	0.93%
	QC value within limits for Mn 257.610 Recovery = 94.42%						
Mo	202.031†	909.6	0.0481 mg/L	0.00074	0.0481 mg/L	0.00074	1.54%
	QC value within limits for Mo 202.031 Recovery = 96.29%						
Na	589.592†	15133.6	2.577 mg/L	0.0212	2.577 mg/L	0.0212	0.82%
	QC value within limits for Na 589.592 Recovery = 103.07%						
Ni	231.604†	1437.5	0.0472 mg/L	0.00097	0.0472 mg/L	0.00097	2.06%
	QC value within limits for Ni 231.604 Recovery = 94.47%						
P	214.914†	785.6	0.4946 mg/L	0.00480	0.4946 mg/L	0.00480	0.97%
	QC value within limits for P 214.914 Recovery = 98.92%						
Pb	220.353†	583.3	0.0463 mg/L	0.00046	0.0463 mg/L	0.00046	0.98%
	QC value within limits for Pb 220.353 Recovery = 92.57%						
Sb	206.836†	61.2	0.0503 mg/L	0.00037	0.0503 mg/L	0.00037	0.74%
	QC value within limits for Sb 206.836 Recovery = 100.66%						
Se	196.026†	108.1	0.1034 mg/L	0.00111	0.1034 mg/L	0.00111	1.07%
	QC value within limits for Se 196.026 Recovery = 103.42%						
Sn	189.927†	216.4	0.0470 mg/L	0.00014	0.0470 mg/L	0.00014	0.30%
	QC value within limits for Sn 189.927 Recovery = 93.97%						
Sr	407.771†	4572.0	0.0053 mg/L	0.00001	0.0053 mg/L	0.00001	0.25%
	QC value within limits for Sr 407.771 Recovery = 105.04%						
Ti	337.279†	34912.9	0.0473 mg/L	0.00051	0.0473 mg/L	0.00051	1.07%
	QC value within limits for Ti 337.279 Recovery = 94.69%						
Tl	190.801†	76.5	0.0485 mg/L	0.00095	0.0485 mg/L	0.00095	1.96%
	QC value within limits for Tl 190.801 Recovery = 97.00%						
V	292.402†	7931.6	0.0481 mg/L	0.00013	0.0481 mg/L	0.00013	0.27%
	QC value within limits for V 292.402 Recovery = 96.18%						
Zn	213.857†	4587.2	0.0479 mg/L	0.00072	0.0479 mg/L	0.00072	1.50%
	QC value within limits for Zn 213.857 Recovery = 95.75%						
All analyte(s) passed QC.							

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Sequence No.: 9                               Autosampler Location: 7
Sample ID: CRL2                               Date Collected: 10/6/2012 12:38:06 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:48 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CRL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2504801.2	2504801.2	1.01	mg/L			12:40:31
1	Ag 328.068†	2622.2	1208.9	0.0088	mg/L	0.0088	mg/L	12:40:33
1	Al 237.313†	689.1	808.9	0.0969	mg/L	0.0969	mg/L	12:40:43
1	As 188.979†	16.6	13.5	0.0184	mg/L	0.0184	mg/L	12:40:43
1	B 182.528†	9.0	6.3	0.0176	mg/L	0.0176	mg/L	12:40:43
1	B 249.677†	41.6	37.0	0.0241	mg/L	0.0241	mg/L	12:40:07
1	Ba 233.527†	1527.5	1564.9	0.0197	mg/L	0.0197	mg/L	12:40:43
1	Be 313.107†	3083.0	3564.6	0.0020	mg/L	0.0020	mg/L	12:40:33
1	Ca 315.887†	23382.8	22971.6	0.2003	mg/L	0.2003	mg/L	12:40:33
1	Cd 228.802†	375.4	308.4	0.0108	mg/L	0.0108	mg/L	12:40:43
1	Co 228.616†	824.1	879.9	0.0193	mg/L	0.0193	mg/L	12:40:43
1	Cr 267.716†	2358.3	1923.8	0.0180	mg/L	0.0180	mg/L	12:40:33
1	Cu 324.752†	5058.8	3769.5	0.0179	mg/L	0.0179	mg/L	12:40:33
1	Fe 234.349†	108.0	112.5	0.1145	mg/L	0.1145	mg/L	12:40:07
1	Fe 238.204†	13088.4	12786.4	0.0964	mg/L	0.0964	mg/L	12:40:33
1	K 766.490†	2144.0	1951.5	1.247	mg/L	1.247	mg/L	12:39:57
1	Li 670.784†	532.6	702.2	0.0223	mg/L	0.0223	mg/L	12:39:57
1	Mg 279.077†	2672.0	2507.5	0.1834	mg/L	0.1834	mg/L	12:40:33
1	Mn 257.610†	13072.4	11759.1	0.0179	mg/L	0.0179	mg/L	12:40:33
1	Mo 202.031†	420.0	388.2	0.0204	mg/L	0.0204	mg/L	12:40:43
1	Na 589.592†	6733.4	6508.1	1.166	mg/L	1.166	mg/L	12:39:57
1	Ni 231.604†	583.3	595.6	0.0174	mg/L	0.0174	mg/L	12:40:43
1	P 214.914†	678.5	328.3	0.2229	mg/L	0.2229	mg/L	12:40:43
1	Pb 220.353†	319.3	257.6	0.0183	mg/L	0.0183	mg/L	12:40:43
1	Sb 206.836†	53.3	15.9	0.0122	mg/L	0.0122	mg/L	12:40:43
1	Se 196.026†	44.6	44.0	0.0412	mg/L	0.0412	mg/L	12:40:43
1	Sn 189.927†	90.4	86.6	0.0172	mg/L	0.0172	mg/L	12:40:43
1	Sr 407.771†	2046.4	1892.7	0.0024	mg/L	0.0024	mg/L	12:39:57
1	Ti 337.279†	14670.3	14966.7	0.0191	mg/L	0.0191	mg/L	12:40:33
1	Tl 190.801†	34.5	32.1	0.0178	mg/L	0.0178	mg/L	12:40:43
1	V 292.402†	2757.7	3410.2	0.0194	mg/L	0.0194	mg/L	12:40:33
1	Zn 213.857†	2808.6	1976.3	0.0200	mg/L	0.0200	mg/L	12:40:43
2	Y 371.029	2493460.9	2493460.9	1.01	mg/L			12:40:45
2	Ag 328.068†	2627.4	1225.8	0.0089	mg/L	0.0089	mg/L	12:40:48
2	Al 237.313†	701.7	824.6	0.0989	mg/L	0.0989	mg/L	12:40:58
2	As 188.979†	14.1	11.0	0.0153	mg/L	0.0153	mg/L	12:40:58
2	B 182.528†	12.9	10.2	0.0252	mg/L	0.0252	mg/L	12:40:58
2	B 249.677†	43.1	38.7	0.0251	mg/L	0.0251	mg/L	12:40:27
2	Ba 233.527†	1510.6	1555.0	0.0196	mg/L	0.0196	mg/L	12:40:58
2	Be 313.107†	3080.7	3576.2	0.0020	mg/L	0.0020	mg/L	12:40:48
2	Ca 315.887†	23084.8	22780.7	0.1985	mg/L	0.1985	mg/L	12:40:48
2	Cd 228.802†	365.6	300.4	0.0105	mg/L	0.0105	mg/L	12:40:58
2	Co 228.616†	817.2	876.7	0.0192	mg/L	0.0192	mg/L	12:40:58
2	Cr 267.716†	2344.5	1920.6	0.0180	mg/L	0.0180	mg/L	12:40:48
2	Cu 324.752†	5060.4	3793.8	0.0181	mg/L	0.0181	mg/L	12:40:48
2	Fe 234.349†	107.9	112.9	0.1148	mg/L	0.1148	mg/L	12:40:27
2	Fe 238.204†	13090.4	12847.4	0.0969	mg/L	0.0969	mg/L	12:40:48
2	K 766.490†	2077.3	1894.9	1.216	mg/L	1.216	mg/L	12:40:17
2	Li 670.784†	491.7	663.9	0.0211	mg/L	0.0211	mg/L	12:40:17
2	Mg 279.077†	2606.5	2454.4	0.1787	mg/L	0.1787	mg/L	12:40:48
2	Mn 257.610†	12989.3	11735.4	0.0179	mg/L	0.0179	mg/L	12:40:48
2	Mo 202.031†	417.1	387.3	0.0204	mg/L	0.0204	mg/L	12:40:58
2	Na 589.592†	6672.1	6477.5	1.161	mg/L	1.161	mg/L	12:40:17
2	Ni 231.604†	607.6	622.4	0.0183	mg/L	0.0183	mg/L	12:40:58
2	P 214.914†	685.7	338.5	0.2289	mg/L	0.2289	mg/L	12:40:58
2	Pb 220.353†	340.8	280.4	0.0202	mg/L	0.0202	mg/L	12:40:58
2	Sb 206.836†	59.9	22.7	0.0179	mg/L	0.0179	mg/L	12:40:58
2	Se 196.026†	42.9	42.6	0.0398	mg/L	0.0398	mg/L	12:40:58
2	Sn 189.927†	85.5	82.1	0.0162	mg/L	0.0162	mg/L	12:40:58
2	Sr 407.771†	2090.0	1945.3	0.0025	mg/L	0.0025	mg/L	12:40:17
2	Ti 337.279†	14565.2	14928.2	0.0191	mg/L	0.0191	mg/L	12:40:48
2	Tl 190.801†	35.8	33.5	0.0188	mg/L	0.0188	mg/L	12:40:58
2	V 292.402†	2666.6	3332.0	0.0190	mg/L	0.0190	mg/L	12:40:48
2	Zn 213.857†	2781.0	1961.5	0.0199	mg/L	0.0199	mg/L	12:40:58

Mean Data: CRL2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2499131.1	1.01 mg/L	0.003			0.32%

Ag	328.068†	1217.4	0.0088 mg/L	0.00010	0.0088 mg/L	0.00010	1.15%
	QC value within limits for Ag 328.068 Recovery = 88.46%						
Al	237.313†	816.8	0.0979 mg/L	0.00143	0.0979 mg/L	0.00143	1.46%
	QC value within limits for Al 237.313 Recovery = 97.87%						
As	188.979†	12.2	0.0169 mg/L	0.00219	0.0169 mg/L	0.00219	12.96%
	QC value within limits for As 188.979 Recovery = 84.38%						
B	182.528†	8.2	0.0214 mg/L	0.00538	0.0214 mg/L	0.00538	25.11%
	QC value within limits for B 182.528 Recovery = 107.12%						
B	249.677†	37.8	0.0246 mg/L	0.00068	0.0246 mg/L	0.00068	2.78%
	QC value greater than the upper limit for B 249.677 Recovery = 123.09%						
Ba	233.527†	1560.0	0.0197 mg/L	0.00010	0.0197 mg/L	0.00010	0.49%
	QC value within limits for Ba 233.527 Recovery = 98.35%						
Be	313.107†	3570.4	0.0020 mg/L	0.00000	0.0020 mg/L	0.00000	0.25%
	QC value within limits for Be 313.107 Recovery = 98.59%						
Ca	315.887†	22876.1	0.1994 mg/L	0.00127	0.1994 mg/L	0.00127	0.64%
	QC value within limits for Ca 315.887 Recovery = 99.69%						
Cd	228.802†	304.4	0.0107 mg/L	0.00019	0.0107 mg/L	0.00019	1.80%
	QC value within limits for Cd 228.802 Recovery = 106.80%						
Co	228.616†	878.3	0.0193 mg/L	0.00006	0.0193 mg/L	0.00006	0.29%
	QC value within limits for Co 228.616 Recovery = 96.45%						
Cr	267.716†	1922.2	0.0180 mg/L	0.00002	0.0180 mg/L	0.00002	0.14%
	QC value within limits for Cr 267.716 Recovery = 89.94%						
Cu	324.752†	3781.6	0.0180 mg/L	0.00010	0.0180 mg/L	0.00010	0.54%
	QC value within limits for Cu 324.752 Recovery = 89.93%						
Fe	234.349†	112.7	0.1146 mg/L	0.00025	0.1146 mg/L	0.00025	0.22%
	QC value within limits for Fe 234.349 Recovery = 114.64%						
Fe	238.204†	12816.9	0.0966 mg/L	0.00036	0.0966 mg/L	0.00036	0.38%
	QC value within limits for Fe 238.204 Recovery = 96.64%						
K	766.490†	1923.2	1.232 mg/L	0.0215	1.232 mg/L	0.0215	1.75%
	QC value greater than the upper limit for K 766.490 Recovery = 123.16%						
Li	670.784†	683.1	0.0217 mg/L	0.00084	0.0217 mg/L	0.00084	3.85%
	QC value within limits for Li 670.784 Recovery = 108.41%						
Mg	279.077†	2480.9	0.1811 mg/L	0.00331	0.1811 mg/L	0.00331	1.83%
	QC value within limits for Mg 279.077 Recovery = 90.54%						
Mn	257.610†	11747.2	0.0179 mg/L	0.00003	0.0179 mg/L	0.00003	0.17%
	QC value within limits for Mn 257.610 Recovery = 89.48%						
Mo	202.031†	387.7	0.0204 mg/L	0.00004	0.0204 mg/L	0.00004	0.18%
	QC value within limits for Mo 202.031 Recovery = 101.94%						
Na	589.592†	6492.8	1.163 mg/L	0.0035	1.163 mg/L	0.0035	0.30%
	QC value within limits for Na 589.592 Recovery = 116.33%						
Ni	231.604†	609.0	0.0178 mg/L	0.00067	0.0178 mg/L	0.00067	3.76%
	QC value within limits for Ni 231.604 Recovery = 89.17%						
P	214.914†	333.4	0.2259 mg/L	0.00431	0.2259 mg/L	0.00431	1.91%
	QC value within limits for P 214.914 Recovery = 112.95%						
Pb	220.353†	269.0	0.0193 mg/L	0.00139	0.0193 mg/L	0.00139	7.23%
	QC value within limits for Pb 220.353 Recovery = 96.31%						
Sb	206.836†	19.3	0.0150 mg/L	0.00407	0.0150 mg/L	0.00407	27.05%
	QC value less than the lower limit for Sb 206.836 Recovery = 75.20%						
Se	196.026†	43.3	0.0405 mg/L	0.00099	0.0405 mg/L	0.00099	2.45%
	QC value within limits for Se 196.026 Recovery = 101.35%						
Sn	189.927†	84.3	0.0167 mg/L	0.00071	0.0167 mg/L	0.00071	4.26%
	QC value within limits for Sn 189.927 Recovery = 83.52%						
Sr	407.771†	1919.0	0.0025 mg/L	0.00004	0.0025 mg/L	0.00004	1.58%
	QC value greater than the upper limit for Sr 407.771 Recovery = 123.44%						
Ti	337.279†	14947.5	0.0191 mg/L	0.00004	0.0191 mg/L	0.00004	0.20%
	QC value within limits for Ti 337.279 Recovery = 95.48%						
Tl	190.801†	32.8	0.0183 mg/L	0.00071	0.0183 mg/L	0.00071	3.87%
	QC value within limits for Tl 190.801 Recovery = 91.33%						
V	292.402†	3371.1	0.0192 mg/L	0.00035	0.0192 mg/L	0.00035	1.80%
	QC value within limits for V 292.402 Recovery = 95.98%						
Zn	213.857†	1968.9	0.0199 mg/L	0.00012	0.0199 mg/L	0.00012	0.58%
	QC value within limits for Zn 213.857 Recovery = 99.70%						
QC Failed. Continue with analysis.							

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Sequence No.: 10                               Autosampler Location: 8
Sample ID: CRL3                               Date Collected: 10/6/2012 12:42:38 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:49 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CRL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2493945.6	2493945.6	1.01	mg/L			12:45:03
1	Ag 328.068†	1905.9	508.8	0.0028	mg/L	0.0028	mg/L	12:45:06
1	Al 237.313†	318.0	443.3	0.0495	mg/L	0.0495	mg/L	12:45:16
1	As 188.979†	5.8	2.8	0.0051	mg/L	0.0051	mg/L	12:45:16
1	B 182.528†	4.9	2.2	0.0097	mg/L	0.0097	mg/L	12:45:16
1	B 249.677†	25.0	20.7	0.0147	mg/L	0.0147	mg/L	12:44:39
1	Ba 233.527†	721.1	770.6	0.0088	mg/L	0.0088	mg/L	12:45:16
1	Be 313.107†	1246.8	1754.1	0.0009	mg/L	0.0009	mg/L	12:45:06
1	Ca 315.887†	11507.3	11277.4	0.0900	mg/L	0.0900	mg/L	12:45:06
1	Cd 228.802†	219.3	155.0	0.0054	mg/L	0.0054	mg/L	12:45:16
1	Co 228.616†	368.5	430.9	0.0081	mg/L	0.0081	mg/L	12:45:16
1	Cr 267.716†	1353.8	936.3	0.0071	mg/L	0.0071	mg/L	12:45:06
1	Cu 324.752†	3105.7	1851.4	0.0071	mg/L	0.0071	mg/L	12:45:06
1	Fe 234.349†	44.4	49.8	0.0610	mg/L	0.0610	mg/L	12:44:39
1	Fe 238.204†	6464.2	6263.6	0.0412	mg/L	0.0412	mg/L	12:45:06
1	K 766.490†	1147.8	971.3	0.7196	mg/L	0.7196	mg/L	12:44:29
1	Li 670.784†	154.3	328.7	0.0107	mg/L	0.0107	mg/L	12:44:29
1	Mg 279.077†	1328.6	1184.6	0.0667	mg/L	0.0667	mg/L	12:45:06
1	Mn 257.610†	6700.1	5486.4	0.0068	mg/L	0.0068	mg/L	12:45:06
1	Mo 202.031†	231.0	202.4	0.0105	mg/L	0.0105	mg/L	12:45:16
1	Na 589.592†	3411.0	3237.3	0.6308	mg/L	0.6308	mg/L	12:44:29
1	Ni 231.604†	288.5	305.3	0.0071	mg/L	0.0071	mg/L	12:45:16
1	P 214.914†	531.0	184.7	0.1376	mg/L	0.1376	mg/L	12:45:16
1	Pb 220.353†	187.7	128.3	0.0072	mg/L	0.0072	mg/L	12:45:16
1	Sb 206.836†	45.1	8.0	0.0055	mg/L	0.0055	mg/L	12:45:16
1	Se 196.026†	24.2	23.9	0.0217	mg/L	0.0217	mg/L	12:45:16
1	Sn 189.927†	61.8	58.5	0.0107	mg/L	0.0107	mg/L	12:45:16
1	Sr 407.771†	1082.7	944.4	0.0014	mg/L	0.0014	mg/L	12:44:29
1	Ti 337.279†	6974.2	7386.0	0.0084	mg/L	0.0084	mg/L	12:45:06
1	Tl 190.801†	15.9	13.8	0.0051	mg/L	0.0051	mg/L	12:45:16
1	V 292.402†	961.3	1637.8	0.0082	mg/L	0.0082	mg/L	12:45:06
1	Zn 213.857†	1807.3	993.9	0.0095	mg/L	0.0095	mg/L	12:45:16
2	Y 371.029	2511126.9	2511126.9	1.01	mg/L			12:45:18
2	Ag 328.068†	1923.1	512.8	0.0028	mg/L	0.0028	mg/L	12:45:20
2	Al 237.313†	289.8	413.3	0.0457	mg/L	0.0457	mg/L	12:45:31
2	As 188.979†	5.1	2.1	0.0042	mg/L	0.0042	mg/L	12:45:31
2	B 182.528†	4.5	1.8	0.0089	mg/L	0.0089	mg/L	12:45:31
2	B 249.677†	20.2	15.7	0.0118	mg/L	0.0118	mg/L	12:45:00
2	Ba 233.527†	718.9	763.6	0.0087	mg/L	0.0087	mg/L	12:45:31
2	Be 313.107†	1288.5	1786.8	0.0009	mg/L	0.0009	mg/L	12:45:20
2	Ca 315.887†	11819.2	11506.8	0.0922	mg/L	0.0922	mg/L	12:45:20
2	Cd 228.802†	213.0	147.3	0.0052	mg/L	0.0052	mg/L	12:45:31
2	Co 228.616†	375.8	435.5	0.0082	mg/L	0.0082	mg/L	12:45:31
2	Cr 267.716†	1351.9	925.2	0.0070	mg/L	0.0070	mg/L	12:45:20
2	Cu 324.752†	3059.1	1784.3	0.0067	mg/L	0.0067	mg/L	12:45:20
2	Fe 234.349†	52.3	57.4	0.0675	mg/L	0.0675	mg/L	12:45:00
2	Fe 238.204†	6556.9	6311.1	0.0416	mg/L	0.0416	mg/L	12:45:20
2	K 766.490†	1167.9	983.3	0.7261	mg/L	0.7261	mg/L	12:44:50
2	Li 670.784†	187.6	360.5	0.0117	mg/L	0.0117	mg/L	12:44:50
2	Mg 279.077†	1391.1	1237.3	0.0713	mg/L	0.0713	mg/L	12:45:20
2	Mn 257.610†	6755.1	5495.1	0.0068	mg/L	0.0068	mg/L	12:45:20
2	Mo 202.031†	221.2	191.0	0.0099	mg/L	0.0099	mg/L	12:45:31
2	Na 589.592†	3430.0	3232.8	0.6301	mg/L	0.6301	mg/L	12:44:50
2	Ni 231.604†	280.9	295.9	0.0067	mg/L	0.0067	mg/L	12:45:31
2	P 214.914†	510.5	160.9	0.1235	mg/L	0.1235	mg/L	12:45:31
2	Pb 220.353†	180.1	119.6	0.0064	mg/L	0.0064	mg/L	12:45:31
2	Sb 206.836†	40.9	3.5	0.0018	mg/L	0.0018	mg/L	12:45:31
2	Se 196.026†	26.8	26.3	0.0241	mg/L	0.0241	mg/L	12:45:31
2	Sn 189.927†	52.2	48.6	0.0085	mg/L	0.0085	mg/L	12:45:31
2	Sr 407.771†	1126.0	979.7	0.0015	mg/L	0.0015	mg/L	12:44:50
2	Ti 337.279†	6969.1	7333.6	0.0083	mg/L	0.0083	mg/L	12:45:20
2	Tl 190.801†	17.8	15.6	0.0063	mg/L	0.0063	mg/L	12:45:31
2	V 292.402†	960.2	1630.2	0.0082	mg/L	0.0082	mg/L	12:45:20
2	Zn 213.857†	1814.9	989.1	0.0095	mg/L	0.0095	mg/L	12:45:31

Mean Data: CRL3

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2502536.2	1.01 mg/L	0.005			0.49%

Ag	328.068†	510.8	0.0028 mg/L	0.00002	0.0028 mg/L	0.00002	0.87%
	QC value less than the lower limit for Ag 328.068					Recovery = 56.57%	
Al	237.313†	428.3	0.0476 mg/L	0.00274	0.0476 mg/L	0.00274	5.75%
	QC value within limits for Al 237.313					Recovery = 95.22%	
As	188.979†	2.4	0.0046 mg/L	0.00059	0.0046 mg/L	0.00059	12.77%
	QC value less than the lower limit for As 188.979					Recovery = 46.42%	
B	182.528†	2.0	0.0093 mg/L	0.00057	0.0093 mg/L	0.00057	6.09%
	QC value within limits for B 182.528					Recovery = 92.79%	
B	249.677†	18.2	0.0132 mg/L	0.00203	0.0132 mg/L	0.00203	15.39%
	QC value greater than the upper limit for B 249.677					Recovery = 132.14%	
Ba	233.527†	767.1	0.0087 mg/L	0.00007	0.0087 mg/L	0.00007	0.79%
	QC value within limits for Ba 233.527					Recovery = 87.04%	
Be	313.107†	1770.5	0.0009 mg/L	0.00001	0.0009 mg/L	0.00001	1.54%
	QC value within limits for Be 313.107					Recovery = 89.56%	
Ca	315.887†	11392.1	0.0911 mg/L	0.00153	0.0911 mg/L	0.00153	1.68%
	QC value within limits for Ca 315.887					Recovery = 91.13%	
Cd	228.802†	151.2	0.0053 mg/L	0.00019	0.0053 mg/L	0.00019	3.60%
	QC value within limits for Cd 228.802					Recovery = 106.09%	
Co	228.616†	433.2	0.0081 mg/L	0.00008	0.0081 mg/L	0.00008	1.02%
	QC value within limits for Co 228.616					Recovery = 81.31%	
Cr	267.716†	930.7	0.0071 mg/L	0.00009	0.0071 mg/L	0.00009	1.23%
	QC value less than the lower limit for Cr 267.716					Recovery = 70.57%	
Cu	324.752†	1817.8	0.0069 mg/L	0.00027	0.0069 mg/L	0.00027	3.86%
	QC value less than the lower limit for Cu 324.752					Recovery = 69.20%	
Fe	234.349†	53.6	0.0642 mg/L	0.00459	0.0642 mg/L	0.00459	7.14%
	QC value greater than the upper limit for Fe 234.349					Recovery = 128.42%	
Fe	238.204†	6287.4	0.0414 mg/L	0.00028	0.0414 mg/L	0.00028	0.69%
	QC value within limits for Fe 238.204					Recovery = 82.88%	
K	766.490†	977.3	0.7229 mg/L	0.00458	0.7229 mg/L	0.00458	0.63%
	QC value greater than the upper limit for K 766.490					Recovery = 144.57%	
Li	670.784†	344.6	0.0112 mg/L	0.00069	0.0112 mg/L	0.00069	6.19%
	QC value within limits for Li 670.784					Recovery = 112.27%	
Mg	279.077†	1210.9	0.0690 mg/L	0.00328	0.0690 mg/L	0.00328	4.75%
	QC value less than the lower limit for Mg 279.077					Recovery = 69.03%	
Mn	257.610†	5490.7	0.0068 mg/L	0.00001	0.0068 mg/L	0.00001	0.16%
	QC value less than the lower limit for Mn 257.610					Recovery = 68.32%	
Mo	202.031†	196.7	0.0102 mg/L	0.00043	0.0102 mg/L	0.00043	4.18%
	QC value within limits for Mo 202.031					Recovery = 102.26%	
Na	589.592†	3235.0	0.6304 mg/L	0.00052	0.6304 mg/L	0.00052	0.08%
	QC value greater than the upper limit for Na 589.592					Recovery = 126.09%	
Ni	231.604†	300.6	0.0069 mg/L	0.00024	0.0069 mg/L	0.00024	3.43%
	QC value less than the lower limit for Ni 231.604					Recovery = 68.89%	
P	214.914†	172.8	0.1305 mg/L	0.00999	0.1305 mg/L	0.00999	7.66%
	QC value greater than the upper limit for P 214.914					Recovery = 130.52%	
Pb	220.353†	123.9	0.0068 mg/L	0.00053	0.0068 mg/L	0.00053	7.87%
	QC value less than the lower limit for Pb 220.353					Recovery = 67.77%	
Sb	206.836†	5.7	0.0037 mg/L	0.00264	0.0037 mg/L	0.00264	72.26%
	QC value less than the lower limit for Sb 206.836					Recovery = 36.51%	
Se	196.026†	25.1	0.0229 mg/L	0.00165	0.0229 mg/L	0.00165	7.19%
	QC value within limits for Se 196.026					Recovery = 114.45%	
Sn	189.927†	53.5	0.0096 mg/L	0.00157	0.0096 mg/L	0.00157	16.35%
	QC value within limits for Sn 189.927					Recovery = 95.97%	
Sr	407.771†	962.1	0.0015 mg/L	0.00003	0.0015 mg/L	0.00003	1.79%
	QC value greater than the upper limit for Sr 407.771					Recovery = 146.49%	
Ti	337.279†	7359.8	0.0084 mg/L	0.00005	0.0084 mg/L	0.00005	0.63%
	QC value within limits for Ti 337.279					Recovery = 83.59%	
Tl	190.801†	14.7	0.0057 mg/L	0.00086	0.0057 mg/L	0.00086	15.02%
	QC value less than the lower limit for Tl 190.801					Recovery = 57.21%	
V	292.402†	1634.0	0.0082 mg/L	0.00004	0.0082 mg/L	0.00004	0.47%
	QC value within limits for V 292.402					Recovery = 81.92%	
Zn	213.857†	991.5	0.0095 mg/L	0.00003	0.0095 mg/L	0.00003	0.36%
	QC value within limits for Zn 213.857					Recovery = 95.11%	
QC Failed. Continue with analysis.							

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Sequence No.: 11                               Autosampler Location: 160
Sample ID: IFA                                Date Collected: 10/6/2012 12:47:11 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:50 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: IFA

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2329600.1	2329600.1	0.940	mg/L			12:49:24
1	Ag 328.068†	494.1	-858.9	-0.0018	mg/L	-0.0018	mg/L	12:49:26
1	Al 237.313†	1779402.0	1892121.5	244.3	mg/L	244.3	mg/L	12:49:24
1	As 188.979†	-26.0	-30.6	0.0019	mg/L	0.0019	mg/L	12:49:36
1	B 182.528†	15.6	14.0	0.0326	mg/L	0.0326	mg/L	12:49:36
1	B 249.677†	-9.2	-13.9	-0.0055	mg/L	-0.0055	mg/L	12:49:02
1	Ba 233.527†	184.2	250.3	0.0015	mg/L	0.0015	mg/L	12:49:36
1	Be 313.107†	72.7	593.2	0.0002	mg/L	0.0002	mg/L	12:49:26
1	Ca 315.887†	23295447.6	24769319.8	233.3	mg/L	233.3	mg/L	12:49:21
1	Cd 228.802†	89.1	31.9	0.0013	mg/L	0.0013	mg/L	12:49:36
1	Co 228.616†	590.7	693.0	-0.0047	mg/L	-0.0047	mg/L	12:49:36
1	Cr 267.716†	794.6	436.6	0.0016	mg/L	0.0016	mg/L	12:49:36
1	Cu 324.752†	49.6	-1180.5	-0.0022	mg/L	-0.0022	mg/L	12:49:36
1	Fe 234.349†	100733.6	107113.3	91.63	mg/L	91.63	mg/L	12:48:52
1	Fe 238.204†	9050301.0	9622803.9	81.32	mg/L	81.32	mg/L	12:49:21
1	K 766.490†	165.4	7.2	0.2011	mg/L	0.2011	mg/L	12:49:02
1	Li 670.784†	-79.4	91.0	0.0034	mg/L	0.0034	mg/L	12:49:02
1	Mg 279.077†	2516905.5	2676028.3	236.0	mg/L	236.0	mg/L	12:49:24
1	Mn 257.610†	1682.2	620.4	-0.0018	mg/L	-0.0018	mg/L	12:49:26
1	Mo 202.031†	278.2	268.7	-0.0145	mg/L	-0.0145	mg/L	12:49:36
1	Na 589.592†	246.0	110.9	0.1194	mg/L	0.1194	mg/L	12:49:02
1	Ni 231.604†	-6.8	11.6	-0.0033	mg/L	-0.0033	mg/L	12:49:36
1	P 214.914†	-112.2	-462.0	-0.0305	mg/L	-0.0305	mg/L	12:49:36
1	Pb 220.353†	837.5	832.3	0.0008	mg/L	0.0008	mg/L	12:49:36
1	Sb 206.836†	86.6	55.3	0.0046	mg/L	0.0046	mg/L	12:49:36
1	Se 196.026†	-38.8	-41.3	-0.0024	mg/L	-0.0024	mg/L	12:49:36
1	Sn 189.927†	-588.2	-628.2	0.1237	mg/L	0.1237	mg/L	12:49:36
1	Sr 407.771†	24169.6	25568.0	0.0273	mg/L	0.0273	mg/L	12:48:52
1	Ti 337.279†	6568676.8	6984770.3	9.882	mg/L	9.882	mg/L	12:49:24
1	Tl 190.801†	65.4	67.6	-0.0233	mg/L	-0.0233	mg/L	12:49:36
1	V 292.402†	2955.3	3825.4	-0.0036	mg/L	-0.0036	mg/L	12:49:36
1	Zn 213.857†	1599.1	899.1	0.0086	mg/L	0.0086	mg/L	12:49:36
2	Y 371.029	2304777.9	2304777.9	0.930	mg/L			12:49:44
2	Ag 328.068†	548.7	-794.5	-0.0012	mg/L	-0.0012	mg/L	12:49:46
2	Al 237.313†	1764957.8	1896974.5	244.9	mg/L	244.9	mg/L	12:49:44
2	As 188.979†	-21.1	-25.6	0.0080	mg/L	0.0080	mg/L	12:49:56
2	B 182.528†	22.3	21.4	0.0470	mg/L	0.0470	mg/L	12:49:56
2	B 249.677†	-7.9	-12.6	-0.0047	mg/L	-0.0047	mg/L	12:49:14
2	Ba 233.527†	186.7	255.1	0.0016	mg/L	0.0016	mg/L	12:49:56
2	Be 313.107†	9.0	525.6	0.0002	mg/L	0.0002	mg/L	12:49:46
2	Ca 315.887†	23260622.3	24998656.6	235.5	mg/L	235.5	mg/L	12:49:41
2	Cd 228.802†	92.7	36.8	0.0014	mg/L	0.0014	mg/L	12:49:56
2	Co 228.616†	594.2	703.5	-0.0045	mg/L	-0.0045	mg/L	12:49:56
2	Cr 267.716†	773.6	423.0	0.0015	mg/L	0.0015	mg/L	12:49:56
2	Cu 324.752†	60.6	-1168.1	-0.0021	mg/L	-0.0021	mg/L	12:49:56
2	Fe 234.349†	99237.8	106659.2	91.24	mg/L	91.24	mg/L	12:49:04
2	Fe 238.204†	9045138.5	9720893.8	82.15	mg/L	82.15	mg/L	12:49:41
2	K 766.490†	203.7	50.2	0.2242	mg/L	0.2242	mg/L	12:49:14
2	Li 670.784†	-70.8	99.3	0.0037	mg/L	0.0037	mg/L	12:49:14
2	Mg 279.077†	2486821.1	2672517.7	235.7	mg/L	235.7	mg/L	12:49:44
2	Mn 257.610†	1570.9	520.1	-0.0020	mg/L	-0.0020	mg/L	12:49:46
2	Mo 202.031†	299.8	295.1	-0.0129	mg/L	-0.0129	mg/L	12:49:56
2	Na 589.592†	257.2	125.8	0.1219	mg/L	0.1219	mg/L	12:49:14
2	Ni 231.604†	-30.5	-13.9	-0.0042	mg/L	-0.0042	mg/L	12:49:56
2	P 214.914†	-105.7	-456.3	-0.0280	mg/L	-0.0280	mg/L	12:49:56
2	Pb 220.353†	796.1	797.4	-0.0024	mg/L	-0.0024	mg/L	12:49:56
2	Sb 206.836†	83.4	52.8	0.0027	mg/L	0.0027	mg/L	12:49:56
2	Se 196.026†	-40.3	-43.4	-0.0047	mg/L	-0.0047	mg/L	12:49:56
2	Sn 189.927†	-578.9	-625.0	0.1233	mg/L	0.1233	mg/L	12:49:56
2	Sr 407.771†	23810.9	25459.3	0.0272	mg/L	0.0272	mg/L	12:49:04
2	Ti 337.279†	6515103.0	7002413.3	9.907	mg/L	9.907	mg/L	12:49:44
2	Tl 190.801†	62.1	64.8	-0.0251	mg/L	-0.0251	mg/L	12:49:56
2	V 292.402†	2984.0	3890.1	-0.0031	mg/L	-0.0031	mg/L	12:49:56
2	Zn 213.857†	1586.8	904.2	0.0087	mg/L	0.0087	mg/L	12:49:56

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2317189.0	0.935 mg/L	0.0071			0.76%

Ag	328.068†	-826.7	-0.0015 mg/L	0.00037	-0.0015 mg/L	0.00037	24.46%
	QC value within limits for Ag 328.068 Recovery = Not calculated						
Al	237.313†	1894548.0	244.6 mg/L	0.44	244.6 mg/L	0.44	0.18%
	QC value within limits for Al 237.313 Recovery = 97.83%						
As	188.979†	-28.1	0.0049 mg/L	0.00429	0.0049 mg/L	0.00429	86.77%
	QC value within limits for As 188.979 Recovery = Not calculated						
B	182.528†	17.7	0.0398 mg/L	0.01019	0.0398 mg/L	0.01019	25.59%
	QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B	249.677†	-13.3	-0.0051 mg/L	0.00054	-0.0051 mg/L	0.00054	10.64%
	QC value within limits for B 249.677 Recovery = Not calculated						
Ba	233.527†	252.7	0.0016 mg/L	0.00005	0.0016 mg/L	0.00005	2.97%
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Be	313.107†	559.4	0.0002 mg/L	0.00003	0.0002 mg/L	0.00003	16.64%
	QC value within limits for Be 313.107 Recovery = Not calculated						
Ca	315.887†	24883988.2	234.4 mg/L	1.53	234.4 mg/L	1.53	0.65%
	QC value within limits for Ca 315.887 Recovery = 93.76%						
Cd	228.802†	34.3	0.0013 mg/L	0.00010	0.0013 mg/L	0.00010	7.69%
	QC value greater than the upper limit for Cd 228.802 Recovery = Not calculated						
Co	228.616†	698.3	-0.0046 mg/L	0.00015	-0.0046 mg/L	0.00015	3.31%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr	267.716†	429.8	0.0015 mg/L	0.00010	0.0015 mg/L	0.00010	6.75%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu	324.752†	-1174.3	-0.0021 mg/L	0.00006	-0.0021 mg/L	0.00006	2.96%
	QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe	234.349†	106886.3	91.43 mg/L	0.277	91.43 mg/L	0.277	0.30%
	QC value within limits for Fe 234.349 Recovery = 91.43%						
Fe	238.204†	9671848.8	81.73 mg/L	0.586	81.73 mg/L	0.586	0.72%
	QC value within limits for Fe 238.204 Recovery = 81.73%						
K	766.490†	28.7	0.2126 mg/L	0.01638	0.2126 mg/L	0.01638	7.70%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li	670.784†	95.2	0.0035 mg/L	0.00018	0.0035 mg/L	0.00018	5.13%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	2674273.0	235.8 mg/L	0.22	235.8 mg/L	0.22	0.09%
	QC value within limits for Mg 279.077 Recovery = 94.33%						
Mn	257.610†	570.2	-0.0019 mg/L	0.00013	-0.0019 mg/L	0.00013	6.72%
	QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	281.9	-0.0137 mg/L	0.00108	-0.0137 mg/L	0.00108	7.91%
	QC value less than the lower limit for Mo 202.031 Recovery = Not calculated						
Na	589.592†	118.4	0.1206 mg/L	0.00172	0.1206 mg/L	0.00172	1.43%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	-1.2	-0.0038 mg/L	0.00064	-0.0038 mg/L	0.00064	16.77%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-459.1	-0.0293 mg/L	0.00174	-0.0293 mg/L	0.00174	5.96%
	QC value less than the lower limit for P 214.914 Recovery = Not calculated						
Pb	220.353†	814.9	-0.0008 mg/L	0.00225	-0.0008 mg/L	0.00225	286.91%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	54.0	0.0037 mg/L	0.00134	0.0037 mg/L	0.00134	36.54%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	-42.4	-0.0036 mg/L	0.00156	-0.0036 mg/L	0.00156	43.94%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	-626.6	0.1235 mg/L	0.00029	0.1235 mg/L	0.00029	0.23%
	QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	25513.6	0.0272 mg/L	0.00008	0.0272 mg/L	0.00008	0.30%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	6993591.8	9.894 mg/L	0.0177	9.894 mg/L	0.0177	0.18%
	QC value within limits for Ti 337.279 Recovery = 98.94%						
Tl	190.801†	66.2	-0.0242 mg/L	0.00125	-0.0242 mg/L	0.00125	5.14%
	QC value less than the lower limit for Tl 190.801 Recovery = Not calculated						
V	292.402†	3857.8	-0.0034 mg/L	0.00033	-0.0034 mg/L	0.00033	9.81%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	901.7	0.0086 mg/L	0.00004	0.0086 mg/L	0.00004	0.48%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

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Sequence No.: 12                               Autosampler Location: 159
Sample ID: IFB                                 Date Collected: 10/6/2012 1:15:33 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:50 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2317529.1	2317529.1	0.936	mg/L			13:17:47
1	Ag 328.068†	55792.6	58247.6	0.5015	mg/L	0.5015	mg/L	13:17:50
1	Al 237.313†	1836166.2	1962646.3	253.4	mg/L	253.4	mg/L	13:17:47
1	As 188.979†	-24.9	-29.6	0.0050	mg/L	0.0050	mg/L	13:18:00
1	B 182.528†	13.3	11.6	0.0279	mg/L	0.0279	mg/L	13:18:00
1	B 249.677†	-5.9	-10.4	-0.0040	mg/L	-0.0040	mg/L	13:17:25
1	Ba 233.527†	15919.6	17069.5	0.2342	mg/L	0.2342	mg/L	13:17:50
1	Be 313.107†	375661.2	402027.6	0.2400	mg/L	0.2400	mg/L	13:17:47
1	Ca 315.887†	24102352.2	25760763.1	242.7	mg/L	242.7	mg/L	13:17:44
1	Cd 228.802†	12480.3	13276.3	0.4705	mg/L	0.4705	mg/L	13:17:50
1	Co 228.616†	8001.8	8617.3	0.2136	mg/L	0.2136	mg/L	13:18:00
1	Cr 267.716†	20464.0	21463.8	0.2332	mg/L	0.2332	mg/L	13:17:50
1	Cu 324.752†	41532.7	43157.5	0.2397	mg/L	0.2397	mg/L	13:17:50
1	Fe 234.349†	105756.1	113039.3	96.69	mg/L	96.69	mg/L	13:17:15
1	Fe 238.204†	9333818.7	9975952.9	84.30	mg/L	84.30	mg/L	13:17:44
1	K 766.490†	166.0	8.7	0.2019	mg/L	0.2019	mg/L	13:17:25
1	Li 670.784†	-110.2	57.7	0.0024	mg/L	0.0024	mg/L	13:17:25
1	Mg 279.077†	2575467.4	2752558.9	242.7	mg/L	242.7	mg/L	13:17:47
1	Mn 257.610†	122046.5	129276.7	0.2258	mg/L	0.2258	mg/L	13:17:50
1	Mo 202.031†	304.2	298.0	-0.0147	mg/L	-0.0147	mg/L	13:18:00
1	Na 589.592†	270.5	138.6	0.1239	mg/L	0.1239	mg/L	13:17:25
1	Ni 231.604†	11157.1	11943.6	0.4195	mg/L	0.4195	mg/L	13:17:50
1	P 214.914†	-82.4	-430.8	-0.0043	mg/L	-0.0043	mg/L	13:18:00
1	Pb 220.353†	5661.1	5992.5	0.4429	mg/L	0.4429	mg/L	13:18:00
1	Sb 206.836†	74.4	42.7	-0.0080	mg/L	-0.0080	mg/L	13:18:00
1	Se 196.026†	-42.2	-45.1	-0.0040	mg/L	-0.0040	mg/L	13:18:00
1	Sn 189.927†	-595.0	-638.8	0.1361	mg/L	0.1361	mg/L	13:18:00
1	Sr 407.771†	25116.2	26713.6	0.0285	mg/L	0.0285	mg/L	13:17:15
1	Ti 337.279†	223.5	698.0	-0.0011	mg/L	-0.0011	mg/L	13:17:50
1	Tl 190.801†	48.7	50.1	-0.0258	mg/L	-0.0258	mg/L	13:18:00
1	V 292.402†	38039.1	41339.8	0.2400	mg/L	0.2400	mg/L	13:17:50
1	Zn 213.857†	42565.0	44692.8	0.4767	mg/L	0.4767	mg/L	13:17:50
2	Y 371.029	2310054.9	2310054.9	0.933	mg/L			13:18:07
2	Ag 328.068†	54984.1	57573.6	0.4959	mg/L	0.4959	mg/L	13:18:10
2	Al 237.313†	1844015.2	1977412.4	255.3	mg/L	255.3	mg/L	13:18:07
2	As 188.979†	-27.9	-32.9	0.0011	mg/L	0.0011	mg/L	13:18:20
2	B 182.528†	11.7	9.9	0.0246	mg/L	0.0246	mg/L	13:18:20
2	B 249.677†	-9.2	-14.0	-0.0061	mg/L	-0.0061	mg/L	13:17:38
2	Ba 233.527†	15696.3	16885.1	0.2316	mg/L	0.2316	mg/L	13:18:10
2	Be 313.107†	378098.0	405939.6	0.2423	mg/L	0.2423	mg/L	13:18:07
2	Ca 315.887†	24083436.2	25823830.4	243.2	mg/L	243.2	mg/L	13:18:04
2	Cd 228.802†	12283.0	13107.9	0.4645	mg/L	0.4645	mg/L	13:18:10
2	Co 228.616†	7849.9	8482.1	0.2102	mg/L	0.2102	mg/L	13:18:20
2	Cr 267.716†	20137.8	21184.9	0.2301	mg/L	0.2301	mg/L	13:18:10
2	Cu 324.752†	40981.9	42710.5	0.2372	mg/L	0.2372	mg/L	13:18:10
2	Fe 234.349†	106143.3	113820.1	97.36	mg/L	97.36	mg/L	13:17:28
2	Fe 238.204†	9325754.7	9999584.3	84.50	mg/L	84.50	mg/L	13:18:04
2	K 766.490†	150.8	-7.1	0.1934	mg/L	0.1934	mg/L	13:17:38
2	Li 670.784†	-106.7	61.1	0.0025	mg/L	0.0025	mg/L	13:17:38
2	Mg 279.077†	2587428.1	2774290.5	244.6	mg/L	244.6	mg/L	13:18:07
2	Mn 257.610†	120691.3	128245.6	0.2239	mg/L	0.2239	mg/L	13:18:10
2	Mo 202.031†	298.1	292.5	-0.0152	mg/L	-0.0152	mg/L	13:18:20
2	Na 589.592†	244.7	111.7	0.1196	mg/L	0.1196	mg/L	13:17:38
2	Ni 231.604†	10988.1	11801.0	0.4144	mg/L	0.4144	mg/L	13:18:10
2	P 214.914†	-42.8	-388.6	0.0225	mg/L	0.0225	mg/L	13:18:20
2	Pb 220.353†	5525.1	5866.2	0.4314	mg/L	0.4314	mg/L	13:18:20
2	Sb 206.836†	82.5	51.6	-0.0008	mg/L	-0.0008	mg/L	13:18:20
2	Se 196.026†	-36.0	-38.6	0.0026	mg/L	0.0026	mg/L	13:18:20
2	Sn 189.927†	-581.7	-626.6	0.1409	mg/L	0.1409	mg/L	13:18:20
2	Sr 407.771†	25331.4	27031.2	0.0288	mg/L	0.0288	mg/L	13:17:28
2	Ti 337.279†	-191.0	254.3	-0.0017	mg/L	-0.0017	mg/L	13:18:10
2	Tl 190.801†	57.8	60.0	-0.0193	mg/L	-0.0193	mg/L	13:18:20
2	V 292.402†	37546.8	40943.4	0.2374	mg/L	0.2374	mg/L	13:18:10
2	Zn 213.857†	41887.2	44113.3	0.4705	mg/L	0.4705	mg/L	13:18:10

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2313792.0	0.934 mg/L	0.0021			0.23%

Ag	328.068†	57910.6	0.4987 mg/L	0.00402	0.4987 mg/L	0.00402	0.81%
	QC value within limits for Ag	328.068	Recovery = 99.74%				
Al	237.313†	1970029.4	254.3 mg/L	1.35	254.3 mg/L	1.35	0.53%
	QC value within limits for Al	237.313	Recovery = 101.73%				
As	188.979†	-31.2	0.0031 mg/L	0.00276	0.0031 mg/L	0.00276	90.15%
	QC value within limits for As	188.979	Recovery = Not calculated				
B	182.528†	10.7	0.0263 mg/L	0.00232	0.0263 mg/L	0.00232	8.83%
	QC value within limits for B	182.528	Recovery = Not calculated				
B	249.677†	-12.2	-0.0050 mg/L	0.00147	-0.0050 mg/L	0.00147	29.23%
	QC value within limits for B	249.677	Recovery = Not calculated				
Ba	233.527†	16977.3	0.2329 mg/L	0.00180	0.2329 mg/L	0.00180	0.77%
	QC value within limits for Ba	233.527	Recovery = 93.16%				
Be	313.107†	403983.6	0.2412 mg/L	0.00165	0.2412 mg/L	0.00165	0.69%
	QC value within limits for Be	313.107	Recovery = 96.46%				
Ca	315.887†	25792296.8	243.0 mg/L	0.42	243.0 mg/L	0.42	0.17%
	QC value within limits for Ca	315.887	Recovery = 97.18%				
Cd	228.802†	13192.1	0.4675 mg/L	0.00420	0.4675 mg/L	0.00420	0.90%
	QC value within limits for Cd	228.802	Recovery = 93.50%				
Co	228.616†	8549.7	0.2119 mg/L	0.00240	0.2119 mg/L	0.00240	1.13%
	QC value within limits for Co	228.616	Recovery = 84.78%				
Cr	267.716†	21324.3	0.2316 mg/L	0.00217	0.2316 mg/L	0.00217	0.94%
	QC value within limits for Cr	267.716	Recovery = 92.66%				
Cu	324.752†	42934.0	0.2384 mg/L	0.00178	0.2384 mg/L	0.00178	0.75%
	QC value within limits for Cu	324.752	Recovery = 95.37%				
Fe	234.349†	113429.7	97.03 mg/L	0.473	97.03 mg/L	0.473	0.49%
	QC value within limits for Fe	234.349	Recovery = 97.03%				
Fe	238.204†	9987768.6	84.40 mg/L	0.141	84.40 mg/L	0.141	0.17%
	QC value within limits for Fe	238.204	Recovery = 84.40%				
K	766.490†	0.8	0.1977 mg/L	0.00600	0.1977 mg/L	0.00600	3.03%
	QC value within limits for K	766.490	Recovery = Not calculated				
Li	670.784†	59.4	0.0024 mg/L	0.00007	0.0024 mg/L	0.00007	3.08%
	QC value within limits for Li	670.784	Recovery = Not calculated				
Mg	279.077†	2763424.7	243.7 mg/L	1.36	243.7 mg/L	1.36	0.56%
	QC value within limits for Mg	279.077	Recovery = 97.47%				
Mn	257.610†	128761.1	0.2248 mg/L	0.00129	0.2248 mg/L	0.00129	0.57%
	QC value within limits for Mn	257.610	Recovery = 89.94%				
Mo	202.031†	295.2	-0.0149 mg/L	0.00035	-0.0149 mg/L	0.00035	2.36%
	QC value within limits for Mo	202.031	Recovery = Not calculated				
Na	589.592†	125.2	0.1218 mg/L	0.00310	0.1218 mg/L	0.00310	2.55%
	QC value within limits for Na	589.592	Recovery = Not calculated				
Ni	231.604†	11872.3	0.4170 mg/L	0.00357	0.4170 mg/L	0.00357	0.86%
	QC value within limits for Ni	231.604	Recovery = 83.39%				
P	214.914†	-409.7	0.0091 mg/L	0.01892	0.0091 mg/L	0.01892	207.59%
	QC value within limits for P	214.914	Recovery = Not calculated				
Pb	220.353†	5929.4	0.4371 mg/L	0.00807	0.4371 mg/L	0.00807	1.85%
	QC value within limits for Pb	220.353	Recovery = 87.43%				
Sb	206.836†	47.2	-0.0044 mg/L	0.00509	-0.0044 mg/L	0.00509	116.86%
	QC value within limits for Sb	206.836	Recovery = Not calculated				
Se	196.026†	-41.9	-0.0007 mg/L	0.00465	-0.0007 mg/L	0.00465	668.42%
	QC value within limits for Se	196.026	Recovery = Not calculated				
Sn	189.927†	-632.7	0.1385 mg/L	0.00333	0.1385 mg/L	0.00333	2.41%
	QC value greater than the upper limit for Sn	189.927	Recovery = Not calculated				
Sr	407.771†	26872.4	0.0286 mg/L	0.00024	0.0286 mg/L	0.00024	0.82%
	QC value within limits for Sr	407.771	Recovery = Not calculated				
Ti	337.279†	476.2	-0.0014 mg/L	0.00044	-0.0014 mg/L	0.00044	32.13%
	QC value within limits for Ti	337.279	Recovery = Not calculated				
Tl	190.801†	55.0	-0.0226 mg/L	0.00465	-0.0226 mg/L	0.00465	20.62%
	QC value within limits for Tl	190.801	Recovery = Not calculated				
V	292.402†	41141.6	0.2387 mg/L	0.00186	0.2387 mg/L	0.00186	0.78%
	QC value within limits for V	292.402	Recovery = 95.49%				
Zn	213.857†	44403.1	0.4736 mg/L	0.00438	0.4736 mg/L	0.00438	0.93%
	QC value within limits for Zn	213.857	Recovery = 94.71%				
QC Failed. Continue with analysis.							

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Sequence No.: 13                               Autosampler Location: 0
Sample ID: WASH                               Date Collected: 10/6/2012 12:55:57 PM
Analyst:                                       Data Type: Reprocessed on 10/6/2012 1:22:51 PM
Logged In Analyst (Original) : ICP3
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Y 371.029	2460414.7	2460414.7	0.993	mg/L			12:58:12
1	Ag 328.068†	1342.9	-32.2	-0.0018	mg/L	-0.0018	mg/L	12:58:14
1	Al 237.313†	576.5	707.9	0.0836	mg/L	0.0836	mg/L	12:58:25
1	As 188.979†	0.2	-2.7	-0.0018	mg/L	-0.0018	mg/L	12:58:25
1	B 182.528†	-0.0	-2.6	0.0002	mg/L	0.0002	mg/L	12:58:25
1	B 249.677†	0.5	-3.6	0.0005	mg/L	0.0005	mg/L	12:57:48
1	Ba 233.527†	-19.1	35.1	-0.0014	mg/L	-0.0014	mg/L	12:58:25
1	Be 313.107†	-377.0	136.3	-0.0001	mg/L	-0.0001	mg/L	12:58:14
1	Ca 315.887†	10469.4	10388.3	0.0816	mg/L	0.0816	mg/L	12:58:14
1	Cd 228.802†	75.6	13.3	0.0004	mg/L	0.0004	mg/L	12:58:25
1	Co 228.616†	-50.6	13.9	-0.0024	mg/L	-0.0024	mg/L	12:58:25
1	Cr 267.716†	424.4	18.9	-0.0030	mg/L	-0.0030	mg/L	12:58:14
1	Cu 324.752†	1225.3	0.3	-0.0033	mg/L	-0.0033	mg/L	12:58:14
1	Fe 234.349†	52.8	58.9	0.0689	mg/L	0.0689	mg/L	12:57:48
1	Fe 238.204†	5012.7	4889.8	0.0296	mg/L	0.0296	mg/L	12:58:14
1	K 766.490†	209.9	42.6	0.2201	mg/L	0.2201	mg/L	12:57:38
1	Li 670.784†	-153.1	21.3	0.0012	mg/L	0.0012	mg/L	12:57:38
1	Mg 279.077†	1234.4	1107.8	0.0599	mg/L	0.0599	mg/L	12:58:14
1	Mn 257.610†	912.5	-249.6	-0.0033	mg/L	-0.0033	mg/L	12:58:25
1	Mo 202.031†	31.1	4.2	0.0000	mg/L	0.0000	mg/L	12:58:25
1	Na 589.592†	221.2	72.1	0.1131	mg/L	0.1131	mg/L	12:57:38
1	Ni 231.604†	-18.4	0.3	-0.0038	mg/L	-0.0038	mg/L	12:58:25
1	P 214.914†	359.3	19.1	0.0393	mg/L	0.0393	mg/L	12:58:25
1	Pb 220.353†	88.5	31.0	-0.0012	mg/L	-0.0012	mg/L	12:58:25
1	Sb 206.836†	38.9	2.4	0.0008	mg/L	0.0008	mg/L	12:58:25
1	Se 196.026†	3.5	3.5	0.0019	mg/L	0.0019	mg/L	12:58:25
1	Sn 189.927†	0.1	-2.8	-0.0031	mg/L	-0.0031	mg/L	12:58:25
1	Sr 407.771†	184.7	55.0	0.0005	mg/L	0.0005	mg/L	12:57:38
1	Ti 337.279†	1085.9	1552.4	0.0001	mg/L	0.0001	mg/L	12:58:14
1	Tl 190.801†	3.9	1.9	-0.0031	mg/L	-0.0031	mg/L	12:58:25
1	V 292.402†	-532.4	147.1	-0.0013	mg/L	-0.0013	mg/L	12:58:14
1	Zn 213.857†	842.8	47.4	-0.0006	mg/L	-0.0006	mg/L	12:58:25
2	Y 371.029	2492235.4	2492235.4	1.01	mg/L			12:58:27
2	Ag 328.068†	1373.6	-19.0	-0.0017	mg/L	-0.0017	mg/L	12:58:29
2	Al 237.313†	411.7	536.7	0.0615	mg/L	0.0615	mg/L	12:58:39
2	As 188.979†	0.9	-2.1	-0.0010	mg/L	-0.0010	mg/L	12:58:39
2	B 182.528†	-4.0	-6.6	-0.0076	mg/L	-0.0076	mg/L	12:58:39
2	B 249.677†	-4.4	-8.5	-0.0023	mg/L	-0.0023	mg/L	12:58:09
2	Ba 233.527†	-38.8	15.8	-0.0017	mg/L	-0.0017	mg/L	12:58:39
2	Be 313.107†	-397.1	121.2	-0.0001	mg/L	-0.0001	mg/L	12:58:29
2	Ca 315.887†	8562.4	8358.4	0.0625	mg/L	0.0625	mg/L	12:58:29
2	Cd 228.802†	70.1	6.8	0.0002	mg/L	0.0002	mg/L	12:58:39
2	Co 228.616†	-46.1	19.1	-0.0023	mg/L	-0.0023	mg/L	12:58:39
2	Cr 267.716†	452.3	41.2	-0.0028	mg/L	-0.0028	mg/L	12:58:29
2	Cu 324.752†	1227.7	-13.0	-0.0034	mg/L	-0.0034	mg/L	12:58:29
2	Fe 234.349†	51.7	57.1	0.0674	mg/L	0.0674	mg/L	12:58:09
2	Fe 238.204†	4052.6	3871.2	0.0210	mg/L	0.0210	mg/L	12:58:29
2	K 766.490†	189.4	19.6	0.2077	mg/L	0.2077	mg/L	12:57:58
2	Li 670.784†	-159.8	16.6	0.0011	mg/L	0.0011	mg/L	12:57:58
2	Mg 279.077†	1028.8	887.6	0.0405	mg/L	0.0405	mg/L	12:58:29
2	Mn 257.610†	962.1	-212.0	-0.0033	mg/L	-0.0033	mg/L	12:58:39
2	Mo 202.031†	39.4	12.1	0.0004	mg/L	0.0004	mg/L	12:58:39
2	Na 589.592†	206.2	54.4	0.1102	mg/L	0.1102	mg/L	12:57:58
2	Ni 231.604†	-17.0	1.9	-0.0037	mg/L	-0.0037	mg/L	12:58:39
2	P 214.914†	327.2	-17.5	0.0176	mg/L	0.0176	mg/L	12:58:39
2	Pb 220.353†	58.1	-0.4	-0.0039	mg/L	-0.0039	mg/L	12:58:39
2	Sb 206.836†	37.2	0.2	-0.0010	mg/L	-0.0010	mg/L	12:58:39
2	Se 196.026†	3.2	3.1	0.0015	mg/L	0.0015	mg/L	12:58:39
2	Sn 189.927†	-0.8	-3.6	-0.0033	mg/L	-0.0033	mg/L	12:58:39
2	Sr 407.771†	189.3	57.2	0.0005	mg/L	0.0005	mg/L	12:57:58
2	Ti 337.279†	558.1	1013.9	-0.0006	mg/L	-0.0006	mg/L	12:58:29
2	Tl 190.801†	6.4	4.3	-0.0015	mg/L	-0.0015	mg/L	12:58:39
2	V 292.402†	-559.4	127.1	-0.0014	mg/L	-0.0014	mg/L	12:58:29
2	Zn 213.857†	830.4	24.1	-0.0008	mg/L	-0.0008	mg/L	12:58:39

Mean Data: WASH

Analyte	Mean Intensity	Corrected Intensity	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2476325.0		1.000 mg/L	0.0091				0.91%

1	Fe 238.204†	296969.7	291903.8	2.456 mg/L	2.456 mg/L	15:30:40
1	Mg 279.077†	57661.1	56572.9	4.953 mg/L	4.953 mg/L	15:30:40
1	Mn 257.610†	291794.0	285802.1	0.5026 mg/L	0.5026 mg/L	15:30:40
1	Mo 202.031†	9429.3	9246.3	0.4916 mg/L	0.4916 mg/L	15:30:50
1	Ni 231.604†	14180.8	13965.2	0.4919 mg/L	0.4919 mg/L	15:30:40
1	P 214.914†	8505.0	8021.7	4.794 mg/L	4.794 mg/L	15:30:50
1	Pb 220.353†	5857.6	5702.6	0.4866 mg/L	0.4866 mg/L	15:30:50
1	Sb 206.836†	611.9	565.0	0.4740 mg/L	0.4740 mg/L	15:30:50
1	Se 196.026†	1008.6	991.8	0.9614 mg/L	0.9614 mg/L	15:30:50
1	Sn 189.927†	2265.5	2225.2	0.5079 mg/L	0.5079 mg/L	15:30:50
1	Ti 337.279†	354099.4	348704.9	0.4914 mg/L	0.4914 mg/L	15:30:40
1	Tl 190.801†	734.5	720.3	0.4936 mg/L	0.4936 mg/L	15:30:50
1	V 292.402†	80095.6	79454.6	0.5012 mg/L	0.5012 mg/L	15:30:40
1	Zn 213.857†	48178.7	46581.1	0.4961 mg/L	0.4961 mg/L	15:30:40
2	B 249.677†	873.8	852.6	0.4980 mg/L	0.4980 mg/L	15:30:34
2	Fe 234.349†	3051.6	2997.8	2.577 mg/L	2.577 mg/L	15:30:34
2	K 766.490†	45739.7	44678.1	24.23 mg/L	24.23 mg/L	15:30:24
2	Li 670.784†	16315.9	16172.9	0.5002 mg/L	0.5002 mg/L	15:30:24
2	Na 589.592†	152429.4	149303.3	24.52 mg/L	24.52 mg/L	15:30:24
2	Sr 407.771†	47247.4	46194.1	0.0489 mg/L	0.0489 mg/L	15:30:24
2	Y 371.029	2526322.0	2526322.0	1.02 mg/L		15:30:53
2	Ag 328.068†	30692.6	28709.2	0.2430 mg/L	0.2430 mg/L	15:30:55
2	Al 237.313†	19526.9	19273.2	2.486 mg/L	2.486 mg/L	15:30:55
2	As 188.979†	379.6	369.2	0.4626 mg/L	0.4626 mg/L	15:31:05
2	B 182.528†	248.9	241.4	0.4764 mg/L	0.4764 mg/L	15:31:05
2	Ba 233.527†	36078.1	35428.3	0.4881 mg/L	0.4881 mg/L	15:30:55
2	Be 313.107†	85684.7	84527.9	0.0504 mg/L	0.0504 mg/L	15:30:55
2	Ca 315.887†	530701.2	520189.7	4.887 mg/L	4.887 mg/L	15:30:53
2	Cd 228.802†	7333.6	7127.6	0.2504 mg/L	0.2504 mg/L	15:31:05
2	Co 228.616†	20344.1	20011.8	0.4990 mg/L	0.4990 mg/L	15:30:55
2	Cr 267.716†	46041.1	44734.0	0.4900 mg/L	0.4900 mg/L	15:30:55
2	Cu 324.752†	91410.5	88392.8	0.4948 mg/L	0.4948 mg/L	15:30:55
2	Fe 238.204†	299629.2	293623.5	2.471 mg/L	2.471 mg/L	15:30:55
2	Mg 279.077†	58278.3	57005.7	4.992 mg/L	4.992 mg/L	15:30:55
2	Mn 257.610†	294220.7	287309.0	0.5052 mg/L	0.5052 mg/L	15:30:55
2	Mo 202.031†	9435.9	9224.6	0.4904 mg/L	0.4904 mg/L	15:31:05
2	Ni 231.604†	14275.1	14015.3	0.4937 mg/L	0.4937 mg/L	15:30:55
2	P 214.914†	8514.5	8005.6	4.784 mg/L	4.784 mg/L	15:31:05
2	Pb 220.353†	5845.7	5673.5	0.4841 mg/L	0.4841 mg/L	15:31:05
2	Sb 206.836†	613.1	564.3	0.4735 mg/L	0.4735 mg/L	15:31:05
2	Se 196.026†	1018.7	998.8	0.9681 mg/L	0.9681 mg/L	15:31:05
2	Sn 189.927†	2259.6	2212.6	0.5051 mg/L	0.5051 mg/L	15:31:05
2	Ti 337.279†	357500.6	350981.0	0.4946 mg/L	0.4946 mg/L	15:30:55
2	Tl 190.801†	735.1	718.8	0.4925 mg/L	0.4925 mg/L	15:31:05
2	V 292.402†	80786.1	79892.2	0.5039 mg/L	0.5039 mg/L	15:30:55
2	Zn 213.857†	48544.4	46795.6	0.4984 mg/L	0.4984 mg/L	15:30:55

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2522482.0	1.02 mg/L		0.002				0.22%
Ag 328.068†	28675.5	0.2427 mg/L		0.00041	0.2427 mg/L		0.00041	0.17%
QC value within limits for Ag 328.068 Recovery = 97.09%								
Al 237.313†	19256.4	2.483 mg/L		0.0031	2.483 mg/L		0.0031	0.12%
QC value within limits for Al 237.313 Recovery = 99.33%								
As 188.979†	369.4	0.4628 mg/L		0.00034	0.4628 mg/L		0.00034	0.07%
QC value within limits for As 188.979 Recovery = 92.56%								
B 182.528†	239.1	0.4720 mg/L		0.00619	0.4720 mg/L		0.00619	1.31%
QC value within limits for B 182.528 Recovery = 94.40%								
B 249.677†	842.8	0.4923 mg/L		0.00798	0.4923 mg/L		0.00798	1.62%
QC value within limits for B 249.677 Recovery = 98.47%								
Ba 233.527†	35339.8	0.4869 mg/L		0.00173	0.4869 mg/L		0.00173	0.36%
QC value within limits for Ba 233.527 Recovery = 97.37%								
Be 313.107†	84306.6	0.0502 mg/L		0.00019	0.0502 mg/L		0.00019	0.37%
QC value within limits for Be 313.107 Recovery = 100.48%								
Ca 315.887†	523888.0	4.922 mg/L		0.0493	4.922 mg/L		0.0493	1.00%
QC value within limits for Ca 315.887 Recovery = 98.43%								
Cd 228.802†	7144.5	0.2510 mg/L		0.00085	0.2510 mg/L		0.00085	0.34%
QC value within limits for Cd 228.802 Recovery = 100.41%								
Co 228.616†	19971.5	0.4980 mg/L		0.00143	0.4980 mg/L		0.00143	0.29%
QC value within limits for Co 228.616 Recovery = 99.60%								
Cr 267.716†	44570.6	0.4882 mg/L		0.00254	0.4882 mg/L		0.00254	0.52%

QC value within limits for Cr 267.716	Recovery = 97.65%				
Cu 324.752†	88128.9	0.4933 mg/L	0.00210	0.4933 mg/L	0.00210 0.43%
QC value within limits for Cu 324.752	Recovery = 98.66%				
Fe 234.349†	2980.6	2.562 mg/L	0.0209	2.562 mg/L	0.0209 0.82%
QC value within limits for Fe 234.349	Recovery = 102.48%				
Fe 238.204†	292763.6	2.463 mg/L	0.0103	2.463 mg/L	0.0103 0.42%
QC value within limits for Fe 238.204	Recovery = 98.53%				
K 766.490†	44660.5	24.22 mg/L	0.013	24.22 mg/L	0.013 0.06%
QC value within limits for K 766.490	Recovery = 96.87%				
Li 670.784†	16206.1	0.5012 mg/L	0.00145	0.5012 mg/L	0.00145 0.29%
QC value within limits for Li 670.784	Recovery = 100.24%				
Mg 279.077†	56789.3	4.972 mg/L	0.0270	4.972 mg/L	0.0270 0.54%
QC value within limits for Mg 279.077	Recovery = 99.45%				
Mn 257.610†	286555.6	0.5039 mg/L	0.00188	0.5039 mg/L	0.00188 0.37%
QC value within limits for Mn 257.610	Recovery = 100.78%				
Mo 202.031†	9235.5	0.4910 mg/L	0.00083	0.4910 mg/L	0.00083 0.17%
QC value within limits for Mo 202.031	Recovery = 98.20%				
Na 589.592†	149384.1	24.54 mg/L	0.019	24.54 mg/L	0.019 0.08%
QC value within limits for Na 589.592	Recovery = 98.15%				
Ni 231.604†	13990.2	0.4928 mg/L	0.00125	0.4928 mg/L	0.00125 0.25%
QC value within limits for Ni 231.604	Recovery = 98.56%				
P 214.914†	8013.6	4.789 mg/L	0.0068	4.789 mg/L	0.0068 0.14%
QC value within limits for P 214.914	Recovery = 95.78%				
Pb 220.353†	5688.0	0.4853 mg/L	0.00178	0.4853 mg/L	0.00178 0.37%
QC value within limits for Pb 220.353	Recovery = 97.06%				
Sb 206.836†	564.7	0.4737 mg/L	0.00038	0.4737 mg/L	0.00038 0.08%
QC value within limits for Sb 206.836	Recovery = 94.75%				
Se 196.026†	995.3	0.9648 mg/L	0.00477	0.9648 mg/L	0.00477 0.49%
QC value within limits for Se 196.026	Recovery = 96.48%				
Sn 189.927†	2218.9	0.5065 mg/L	0.00195	0.5065 mg/L	0.00195 0.38%
QC value within limits for Sn 189.927	Recovery = 101.30%				
Sr 407.771†	46219.3	0.0489 mg/L	0.00004	0.0489 mg/L	0.00004 0.08%
QC value within limits for Sr 407.771	Recovery = 97.88%				
Ti 337.279†	349842.9	0.4930 mg/L	0.00228	0.4930 mg/L	0.00228 0.46%
QC value within limits for Ti 337.279	Recovery = 98.60%				
Tl 190.801†	719.5	0.4930 mg/L	0.00079	0.4930 mg/L	0.00079 0.16%
QC value within limits for Tl 190.801	Recovery = 98.61%				
V 292.402†	79673.4	0.5026 mg/L	0.00194	0.5026 mg/L	0.00194 0.39%
QC value within limits for V 292.402	Recovery = 100.52%				
Zn 213.857†	46688.4	0.4973 mg/L	0.00162	0.4973 mg/L	0.00162 0.33%
QC value within limits for Zn 213.857	Recovery = 99.45%				

All analyte(s) passed QC.

Sequence No.: 2	Autosampler Location: 1
Sample ID: CCB1	Date Collected: 10/6/2012 3:32:43 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1.9	-2.3	0.0013 mg/L	0.0013 mg/L	15:34:42
1	Fe 234.349†	-12.3	-6.8	0.0126 mg/L	0.0126 mg/L	15:34:42
1	K 766.490†	176.4	12.1	0.2037 mg/L	0.2037 mg/L	15:34:32
1	Li 670.784†	-156.0	15.5	0.0011 mg/L	0.0011 mg/L	15:34:32
1	Na 589.592†	85.1	-63.3	0.0909 mg/L	0.0909 mg/L	15:34:32
1	Sr 407.771†	136.5	9.0	0.0005 mg/L	0.0005 mg/L	15:34:32
1	Y 371.029	2416278.6	2416278.6	0.975 mg/L		15:35:06
1	Ag 328.068†	1319.1	-32.0	-0.0018 mg/L	-0.0018 mg/L	15:35:09
1	Al 237.313†	-98.9	26.1	-0.0044 mg/L	-0.0044 mg/L	15:35:19
1	As 188.979†	-1.3	-4.3	-0.0037 mg/L	-0.0037 mg/L	15:35:19
1	B 182.528†	1.4	-1.2	0.0030 mg/L	0.0030 mg/L	15:35:19
1	Ba 233.527†	-46.0	7.3	-0.0018 mg/L	-0.0018 mg/L	15:35:19
1	Be 313.107†	-459.1	45.2	-0.0001 mg/L	-0.0001 mg/L	15:35:09
1	Ca 315.887†	178.8	31.5	-0.0159 mg/L	-0.0159 mg/L	15:35:09
1	Cd 228.802†	66.3	5.1	0.0002 mg/L	0.0002 mg/L	15:35:19
1	Co 228.616†	-58.0	5.5	-0.0026 mg/L	-0.0026 mg/L	15:35:19
1	Cr 267.716†	381.8	-16.9	-0.0034 mg/L	-0.0034 mg/L	15:35:09
1	Cu 324.752†	1166.6	-37.4	-0.0035 mg/L	-0.0035 mg/L	15:35:09
1	Fe 238.204†	165.5	13.0	-0.0116 mg/L	-0.0116 mg/L	15:35:19

1	Mg	279.077†	170.3	39.7	-0.0343	mg/L	-0.0343	mg/L	15:35:09
1	Mn	257.610†	377.1	-781.6	-0.0043	mg/L	-0.0043	mg/L	15:35:19
1	Mo	202.031†	21.5	-5.1	-0.0005	mg/L	-0.0005	mg/L	15:35:19
1	Ni	231.604†	-15.5	2.9	-0.0037	mg/L	-0.0037	mg/L	15:35:19
1	P	214.914†	346.3	12.3	0.0352	mg/L	0.0352	mg/L	15:35:19
1	Pb	220.353†	107.1	51.7	0.0006	mg/L	0.0006	mg/L	15:35:19
1	Sb	206.836†	36.6	0.7	-0.0005	mg/L	-0.0005	mg/L	15:35:19
1	Se	196.026†	-1.3	-1.4	-0.0028	mg/L	-0.0028	mg/L	15:35:19
1	Sn	189.927†	-5.0	-8.0	-0.0045	mg/L	-0.0045	mg/L	15:35:19
1	Ti	337.279†	-380.4	69.2	-0.0020	mg/L	-0.0020	mg/L	15:35:09
1	Tl	190.801†	-0.6	-2.7	-0.0063	mg/L	-0.0063	mg/L	15:35:19
1	V	292.402†	-598.9	69.1	-0.0017	mg/L	-0.0017	mg/L	15:35:09
1	Zn	213.857†	812.6	31.9	-0.0007	mg/L	-0.0007	mg/L	15:35:19
2	B	249.677†	-2.1	-6.2	-0.0010	mg/L	-0.0010	mg/L	15:35:03
2	Fe	234.349†	-10.7	-5.0	0.0142	mg/L	0.0142	mg/L	15:35:03
2	K	766.490†	153.1	-14.4	0.1895	mg/L	0.1895	mg/L	15:34:53
2	Li	670.784†	-151.9	22.3	0.0013	mg/L	0.0013	mg/L	15:34:53
2	Na	589.592†	45.9	-104.3	0.0842	mg/L	0.0842	mg/L	15:34:53
2	Sr	407.771†	140.6	10.8	0.0005	mg/L	0.0005	mg/L	15:34:53
2	Y	371.029	2456614.0	2456614.0	0.992	mg/L			15:35:21
2	Ag	328.068†	1318.9	-54.4	-0.0020	mg/L	-0.0020	mg/L	15:35:23
2	Al	237.313†	-136.7	-10.4	-0.0091	mg/L	-0.0091	mg/L	15:35:34
2	As	188.979†	-2.3	-5.3	-0.0050	mg/L	-0.0050	mg/L	15:35:34
2	B	182.528†	-0.7	-3.3	-0.0012	mg/L	-0.0012	mg/L	15:35:34
2	Ba	233.527†	-57.4	-3.4	-0.0020	mg/L	-0.0020	mg/L	15:35:34
2	Be	313.107†	-437.4	74.8	-0.0001	mg/L	-0.0001	mg/L	15:35:23
2	Ca	315.887†	109.6	-41.2	-0.0166	mg/L	-0.0166	mg/L	15:35:23
2	Cd	228.802†	66.2	3.9	0.0001	mg/L	0.0001	mg/L	15:35:34
2	Co	228.616†	-61.1	3.2	-0.0027	mg/L	-0.0027	mg/L	15:35:34
2	Cr	267.716†	392.6	-12.5	-0.0033	mg/L	-0.0033	mg/L	15:35:23
2	Cu	324.752†	1244.1	21.2	-0.0032	mg/L	-0.0032	mg/L	15:35:23
2	Fe	238.204†	212.1	57.2	-0.0112	mg/L	-0.0112	mg/L	15:35:34
2	Mg	279.077†	148.3	14.7	-0.0365	mg/L	-0.0365	mg/L	15:35:23
2	Mn	257.610†	440.8	-723.8	-0.0042	mg/L	-0.0042	mg/L	15:35:34
2	Mo	202.031†	23.3	-3.6	-0.0004	mg/L	-0.0004	mg/L	15:35:34
2	Ni	231.604†	-15.8	2.9	-0.0037	mg/L	-0.0037	mg/L	15:35:34
2	P	214.914†	361.7	22.0	0.0409	mg/L	0.0409	mg/L	15:35:34
2	Pb	220.353†	64.9	7.3	-0.0033	mg/L	-0.0033	mg/L	15:35:34
2	Sb	206.836†	37.3	0.8	-0.0005	mg/L	-0.0005	mg/L	15:35:34
2	Se	196.026†	-1.9	-1.9	-0.0034	mg/L	-0.0034	mg/L	15:35:34
2	Sn	189.927†	0.7	-2.2	-0.0032	mg/L	-0.0032	mg/L	15:35:34
2	Ti	337.279†	-236.6	220.5	-0.0017	mg/L	-0.0017	mg/L	15:35:23
2	Tl	190.801†	7.8	5.8	-0.0004	mg/L	-0.0004	mg/L	15:35:34
2	V	292.402†	-632.9	45.0	-0.0019	mg/L	-0.0019	mg/L	15:35:23
2	Zn	213.857†	812.1	17.7	-0.0009	mg/L	-0.0009	mg/L	15:35:34

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2436446.3	0.984 mg/L	0.0115			1.17%
Ag 328.068†	-43.2	-0.0019 mg/L	0.00013	-0.0019 mg/L	0.00013	7.11%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	7.9	-0.0068 mg/L	0.00333	-0.0068 mg/L	0.00333	49.13%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-4.8	-0.0043 mg/L	0.00088	-0.0043 mg/L	0.00088	20.35%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-2.3	0.0009 mg/L	0.00298	0.0009 mg/L	0.00298	329.48%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-4.3	0.0002 mg/L	0.00164	0.0002 mg/L	0.00164	>999.9%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	1.9	-0.0019 mg/L	0.00010	-0.0019 mg/L	0.00010	5.57%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	60.0	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	9.84%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-4.9	-0.0163 mg/L	0.00049	-0.0163 mg/L	0.00049	2.98%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	4.5	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	16.81%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	4.3	-0.0026 mg/L	0.00004	-0.0026 mg/L	0.00004	1.52%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-14.7	-0.0034 mg/L	0.00003	-0.0034 mg/L	0.00003	1.03%
QC value within limits for Cr 267.716 Recovery = Not calculated						

1	Mn 257.610†	1901.8	741.0	-0.0016	mg/L	-0.0016	mg/L	15:39:46
1	Mo 202.031†	30.8	3.8	0.0000	mg/L	0.0000	mg/L	15:39:46
1	Ni 231.604†	-16.6	2.1	-0.0037	mg/L	-0.0037	mg/L	15:39:46
1	P 214.914†	416.1	75.0	0.0725	mg/L	0.0725	mg/L	15:39:46
1	Pb 220.353†	78.6	20.8	-0.0021	mg/L	-0.0021	mg/L	15:39:46
1	Sb 206.836†	42.4	5.8	0.0037	mg/L	0.0037	mg/L	15:39:46
1	Se 196.026†	5.2	5.2	0.0035	mg/L	0.0035	mg/L	15:39:46
1	Sn 189.927†	81.7	79.1	0.0153	mg/L	0.0153	mg/L	15:39:46
1	Ti 337.279†	305.2	765.5	-0.0010	mg/L	-0.0010	mg/L	15:39:36
1	Tl 190.801†	2.9	0.9	-0.0038	mg/L	-0.0038	mg/L	15:39:46
1	V 292.402†	-637.0	43.6	-0.0019	mg/L	-0.0019	mg/L	15:39:36
1	Zn 213.857†	1014.4	217.3	0.0013	mg/L	0.0013	mg/L	15:39:46
2	B 249.677†	-3.3	-7.5	-0.0017	mg/L	-0.0017	mg/L	15:39:30
2	Fe 234.349†	14.2	19.9	0.0355	mg/L	0.0355	mg/L	15:39:30
2	K 766.490†	213.1	42.4	0.2200	mg/L	0.2200	mg/L	15:39:20
2	Li 670.784†	-180.9	-3.7	0.0005	mg/L	0.0005	mg/L	15:39:20
2	Na 589.592†	183.3	30.9	0.1063	mg/L	0.1063	mg/L	15:39:20
2	Sr 407.771†	210.3	77.4	0.0005	mg/L	0.0005	mg/L	15:39:20
2	Y 371.029	2500565.8	2500565.8	1.01	mg/L			15:39:48
2	Ag 328.068†	1271.2	-124.9	-0.0026	mg/L	-0.0026	mg/L	15:39:50
2	Al 237.313†	-3.1	124.4	0.0083	mg/L	0.0083	mg/L	15:40:01
2	As 188.979†	5.1	2.0	0.0042	mg/L	0.0042	mg/L	15:40:01
2	B 182.528†	-2.9	-5.5	-0.0055	mg/L	-0.0055	mg/L	15:40:01
2	Ba 233.527†	-9.0	45.5	-0.0013	mg/L	-0.0013	mg/L	15:40:01
2	Be 313.107†	-471.1	49.2	-0.0001	mg/L	-0.0001	mg/L	15:39:50
2	Ca 315.887†	7333.8	7112.9	0.0508	mg/L	0.0508	mg/L	15:39:50
2	Cd 228.802†	76.8	13.3	0.0004	mg/L	0.0004	mg/L	15:40:01
2	Co 228.616†	-65.7	-0.2	-0.0027	mg/L	-0.0027	mg/L	15:40:01
2	Cr 267.716†	423.5	11.1	-0.0031	mg/L	-0.0031	mg/L	15:40:01
2	Cu 324.752†	1532.8	285.2	-0.0017	mg/L	-0.0017	mg/L	15:39:50
2	Fe 238.204†	2521.5	2341.1	0.0081	mg/L	0.0081	mg/L	15:40:01
2	Mg 279.077†	231.5	94.4	-0.0295	mg/L	-0.0295	mg/L	15:39:50
2	Mn 257.610†	1902.8	716.7	-0.0016	mg/L	-0.0016	mg/L	15:40:01
2	Mo 202.031†	28.5	1.1	-0.0002	mg/L	-0.0002	mg/L	15:40:01
2	Ni 231.604†	-10.2	8.7	-0.0035	mg/L	-0.0035	mg/L	15:40:01
2	P 214.914†	396.4	49.9	0.0576	mg/L	0.0576	mg/L	15:40:01
2	Pb 220.353†	71.4	12.6	-0.0028	mg/L	-0.0028	mg/L	15:40:01
2	Sb 206.836†	34.9	-2.2	-0.0030	mg/L	-0.0030	mg/L	15:40:01
2	Se 196.026†	6.4	6.3	0.0046	mg/L	0.0046	mg/L	15:40:01
2	Sn 189.927†	92.5	88.8	0.0175	mg/L	0.0175	mg/L	15:40:01
2	Ti 337.279†	367.2	822.9	-0.0009	mg/L	-0.0009	mg/L	15:39:50
2	Tl 190.801†	1.2	-0.8	-0.0050	mg/L	-0.0050	mg/L	15:40:01
2	V 292.402†	-574.1	114.4	-0.0015	mg/L	-0.0015	mg/L	15:39:50
2	Zn 213.857†	1026.4	215.5	0.0012	mg/L	0.0012	mg/L	15:40:01

Mean Data: CJ20523-BLK1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2483954.8	1.00	mg/L	0.009				0.95%
Ag 328.068†	-106.7	-0.0024	mg/L	0.00022	-0.0024	mg/L	0.00022	9.03%
Al 237.313†	140.3	0.0103	mg/L	0.00289	0.0103	mg/L	0.00289	28.02%
As 188.979†	-0.5	0.0010	mg/L	0.00444	0.0010	mg/L	0.00444	435.16%
B 182.528†	-4.3	-0.0030	mg/L	0.00340	-0.0030	mg/L	0.00340	111.37%
B 249.677†	-7.4	-0.0017	mg/L	0.00003	-0.0017	mg/L	0.00003	1.88%
Ba 233.527†	42.5	-0.0013	mg/L	0.00006	-0.0013	mg/L	0.00006	4.50%
Be 313.107†	54.2	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	3.25%
Ca 315.887†	7083.6	0.0505	mg/L	0.00039	0.0505	mg/L	0.00039	0.78%
Cd 228.802†	9.5	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	57.40%
Co 228.616†	-2.0	-0.0028	mg/L	0.00006	-0.0028	mg/L	0.00006	2.25%
Cr 267.716†	16.6	-0.0030	mg/L	0.00009	-0.0030	mg/L	0.00009	2.84%
Cu 324.752†	318.4	-0.0015	mg/L	0.00026	-0.0015	mg/L	0.00026	17.29%
Fe 234.349†	18.5	0.0343	mg/L	0.00160	0.0343	mg/L	0.00160	4.66%
Fe 238.204†	2364.7	0.0083	mg/L	0.00028	0.0083	mg/L	0.00028	3.41%
K 766.490†	38.4	0.2179	mg/L	0.00302	0.2179	mg/L	0.00302	1.38%
Li 670.784†	-21.9	-0.0001	mg/L	0.00080	-0.0001	mg/L	0.00080	834.98%
Mg 279.077†	75.1	-0.0312	mg/L	0.00241	-0.0312	mg/L	0.00241	7.72%
Mn 257.610†	728.8	-0.0016	mg/L	0.00003	-0.0016	mg/L	0.00003	1.91%
Mo 202.031†	2.4	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	87.58%
Na 589.592†	44.4	0.1086	mg/L	0.00312	0.1086	mg/L	0.00312	2.88%
Ni 231.604†	5.4	-0.0036	mg/L	0.00017	-0.0036	mg/L	0.00017	4.61%
P 214.914†	62.5	0.0650	mg/L	0.01053	0.0650	mg/L	0.01053	16.19%
Pb 220.353†	16.7	-0.0025	mg/L	0.00050	-0.0025	mg/L	0.00050	20.44%

2	Mo 202.031†	5917.5	5649.7	0.2789 mg/L	0.2789 mg/L	15:43:59
2	Ni 231.604†	9397.1	9033.7	0.3168 mg/L	0.3168 mg/L	15:43:59
2	P 214.914†	4442.9	3919.5	2.512 mg/L	2.512 mg/L	15:43:59
2	Pb 220.353†	4515.9	4274.0	0.3493 mg/L	0.3493 mg/L	15:43:59
2	Sb 206.836†	887.9	815.0	0.6547 mg/L	0.6547 mg/L	15:43:59
2	Se 196.026†	556.4	533.8	0.5458 mg/L	0.5458 mg/L	15:43:59
2	Sn 189.927†	3016.9	2891.4	0.8546 mg/L	0.8546 mg/L	15:43:59
2	Ti 337.279†	966788.4	927925.2	1.311 mg/L	1.311 mg/L	15:43:48
2	Tl 190.801†	1408.8	1349.5	0.8937 mg/L	0.8937 mg/L	15:43:59
2	V 292.402†	72158.2	69906.3	0.4269 mg/L	0.4269 mg/L	15:43:48
2	Zn 213.857†	121211.6	115480.4	1.238 mg/L	1.238 mg/L	15:43:48

Mean Data: CJ20523-BS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2573338.1	1.04	mg/L	0.005			0.48%
Ag 328.068†	21658.6	0.1882	mg/L	0.00049	0.1882 mg/L	0.00049	0.26%
Al 237.313†	386934.3	49.95	mg/L	0.013	49.95 mg/L	0.013	0.03%
As 188.979†	572.8	0.7449	mg/L	0.01538	0.7449 mg/L	0.01538	2.06%
B 182.528†	188.3	0.3729	mg/L	0.00898	0.3729 mg/L	0.00898	2.41%
B 249.677†	714.1	0.4169	mg/L	0.00269	0.4169 mg/L	0.00269	0.64%
Ba 233.527†	68758.9	0.9494	mg/L	0.00133	0.9494 mg/L	0.00133	0.14%
Be 313.107†	827429.1	0.4941	mg/L	0.00143	0.4941 mg/L	0.00143	0.29%
Ca 315.887†	3469049.9	32.67	mg/L	0.285	32.67 mg/L	0.285	0.87%
Cd 228.802†	12867.9	0.4527	mg/L	0.00307	0.4527 mg/L	0.00307	0.68%
Co 228.616†	24081.4	0.5995	mg/L	0.00490	0.5995 mg/L	0.00490	0.82%
Cr 267.716†	48981.1	0.5366	mg/L	0.00120	0.5366 mg/L	0.00120	0.22%
Cu 324.752†	94860.8	0.5319	mg/L	0.00047	0.5319 mg/L	0.00047	0.09%
Fe 234.349†	81347.2	69.72	mg/L	0.120	69.72 mg/L	0.120	0.17%
Fe 238.204†	7419521.9	62.70	mg/L	0.525	62.70 mg/L	0.525	0.84%
K 766.490†	27949.6	15.23	mg/L	0.142	15.23 mg/L	0.142	0.93%
Li 670.784†	1334.2	0.0418	mg/L	0.00001	0.0418 mg/L	0.00001	0.03%
Mg 279.077†	151994.6	13.37	mg/L	0.024	13.37 mg/L	0.024	0.18%
Mn 257.610†	910828.9	1.608	mg/L	0.0026	1.608 mg/L	0.0026	0.16%
Mo 202.031†	5683.3	0.2807	mg/L	0.00250	0.2807 mg/L	0.00250	0.89%
Na 589.592†	10196.1	1.769	mg/L	0.0150	1.769 mg/L	0.0150	0.85%
Ni 231.604†	9067.0	0.3180	mg/L	0.00168	0.3180 mg/L	0.00168	0.53%
P 214.914†	3947.1	2.529	mg/L	0.0235	2.529 mg/L	0.0235	0.93%
Pb 220.353†	4318.8	0.3532	mg/L	0.00546	0.3532 mg/L	0.00546	1.55%
Sb 206.836†	817.3	0.6567	mg/L	0.00272	0.6567 mg/L	0.00272	0.41%
Se 196.026†	536.0	0.5480	mg/L	0.00311	0.5480 mg/L	0.00311	0.57%
Sn 189.927†	2908.6	0.8588	mg/L	0.00587	0.8588 mg/L	0.00587	0.68%
Sr 407.771†	587866.1	0.6172	mg/L	0.00150	0.6172 mg/L	0.00150	0.24%
Ti 337.279†	928032.3	1.311	mg/L	0.0002	1.311 mg/L	0.0002	0.02%
Tl 190.801†	1359.9	0.9009	mg/L	0.01012	0.9009 mg/L	0.01012	1.12%
V 292.402†	69859.7	0.4266	mg/L	0.00041	0.4266 mg/L	0.00041	0.10%
Zn 213.857†	115535.8	1.238	mg/L	0.0008	1.238 mg/L	0.0008	0.07%

Sequence No.: 5

Sample ID: CJ20523-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 11

Date Collected: 10/6/2012 3:45:36 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20523-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	824.6	806.7	0.4707 mg/L	0.4707 mg/L	15:47:17
1	Fe 234.349†	90940.6	89437.3	76.65 mg/L	76.65 mg/L	15:47:15
1	K 766.490†	32749.7	32037.5	17.43 mg/L	17.43 mg/L	15:47:17
1	Li 670.784†	1421.5	1573.4	0.0492 mg/L	0.0492 mg/L	15:47:17
1	Na 589.592†	11502.6	11161.2	1.927 mg/L	1.927 mg/L	15:47:17
1	Sr 407.771†	661202.5	650099.4	0.6824 mg/L	0.6824 mg/L	15:47:15
1	Y 371.029	2518803.5	2518803.5	1.02 mg/L		15:47:31
1	Ag 328.068†	25551.5	23743.3	0.2065 mg/L	0.2065 mg/L	15:47:31
1	Al 237.313†	449347.0	442017.9	57.06 mg/L	57.06 mg/L	15:47:31
1	As 188.979†	653.0	639.2	0.8305 mg/L	0.8305 mg/L	15:47:41
1	B 182.528†	218.0	211.7	0.4185 mg/L	0.4185 mg/L	15:47:41
1	Ba 233.527†	78582.6	77333.0	1.068 mg/L	1.068 mg/L	15:47:31
1	Be 313.107†	944798.5	929636.2	0.5552 mg/L	0.5552 mg/L	15:47:31

1	Ca	315.887†	3992835.7	3926426.0	36.97	mg/L	36.97	mg/L	15:47:27
1	Cd	228.802†	14906.9	14596.7	0.5136	mg/L	0.5136	mg/L	15:47:41
1	Co	228.616†	27755.4	27359.6	0.6814	mg/L	0.6814	mg/L	15:47:41
1	Cr	267.716†	57069.6	55714.2	0.6108	mg/L	0.6108	mg/L	15:47:31
1	Cu	324.752†	112508.7	109408.5	0.6140	mg/L	0.6140	mg/L	15:47:31
1	Fe	238.204†	8626375.6	8483071.1	71.69	mg/L	71.69	mg/L	15:47:27
1	Mg	279.077†	175313.9	172269.8	15.16	mg/L	15.16	mg/L	15:47:31
1	Mn	257.610†	1055922.3	1037231.9	1.831	mg/L	1.831	mg/L	15:47:31
1	Mo	202.031†	6579.9	6443.6	0.3190	mg/L	0.3190	mg/L	15:47:41
1	Ni	231.604†	10478.5	10323.4	0.3626	mg/L	0.3626	mg/L	15:47:41
1	P	214.914†	4563.4	4145.0	2.661	mg/L	2.661	mg/L	15:47:41
1	Pb	220.353†	4822.9	4684.7	0.3825	mg/L	0.3825	mg/L	15:47:41
1	Sb	206.836†	990.8	937.6	0.7549	mg/L	0.7549	mg/L	15:47:41
1	Se	196.026†	622.4	612.0	0.6247	mg/L	0.6247	mg/L	15:47:41
1	Sn	189.927†	3194.1	3138.3	0.9310	mg/L	0.9310	mg/L	15:47:41
1	Ti	337.279†	1115832.8	1097775.6	1.551	mg/L	1.551	mg/L	15:47:31
1	Tl	190.801†	1541.0	1513.4	1.003	mg/L	1.003	mg/L	15:47:41
1	V	292.402†	80030.7	79385.8	0.4856	mg/L	0.4856	mg/L	15:47:31
1	Zn	213.857†	133771.3	130750.3	1.402	mg/L	1.402	mg/L	15:47:31
2	B	249.677†	793.1	774.7	0.4520	mg/L	0.4520	mg/L	15:47:22
2	Fe	234.349†	91718.5	90079.3	77.20	mg/L	77.20	mg/L	15:47:20
2	K	766.490†	32156.4	31411.0	17.09	mg/L	17.09	mg/L	15:47:22
2	Li	670.784†	1419.3	1569.3	0.0491	mg/L	0.0491	mg/L	15:47:22
2	Na	589.592†	11259.5	10906.9	1.885	mg/L	1.885	mg/L	15:47:22
2	Sr	407.771†	666856.3	654765.1	0.6873	mg/L	0.6873	mg/L	15:47:20
2	Y	371.029	2522243.2	2522243.2	1.02	mg/L	1.02	mg/L	15:47:47
2	Ag	328.068†	25686.9	23842.0	0.2074	mg/L	0.2074	mg/L	15:47:47
2	Al	237.313†	450495.9	442543.7	57.13	mg/L	57.13	mg/L	15:47:47
2	As	188.979†	651.1	636.5	0.8273	mg/L	0.8273	mg/L	15:47:58
2	B	182.528†	221.4	214.7	0.4244	mg/L	0.4244	mg/L	15:47:58
2	Ba	233.527†	78749.4	77391.4	1.069	mg/L	1.069	mg/L	15:47:47
2	Be	313.107†	945836.4	929388.4	0.5550	mg/L	0.5550	mg/L	15:47:47
2	Ca	315.887†	4022881.4	3950578.0	37.20	mg/L	37.20	mg/L	15:47:44
2	Cd	228.802†	15004.4	14672.4	0.5163	mg/L	0.5163	mg/L	15:47:58
2	Co	228.616†	28001.8	27564.5	0.6865	mg/L	0.6865	mg/L	15:47:58
2	Cr	267.716†	56995.9	55565.3	0.6091	mg/L	0.6091	mg/L	15:47:47
2	Cu	324.752†	112494.5	109243.7	0.6130	mg/L	0.6130	mg/L	15:47:47
2	Fe	238.204†	8676069.2	8520304.6	72.00	mg/L	72.00	mg/L	15:47:44
2	Mg	279.077†	175510.0	172227.3	15.16	mg/L	15.16	mg/L	15:47:47
2	Mn	257.610†	1057363.9	1037231.5	1.831	mg/L	1.831	mg/L	15:47:47
2	Mo	202.031†	6612.0	6466.3	0.3201	mg/L	0.3201	mg/L	15:47:58
2	Ni	231.604†	10533.8	10363.7	0.3640	mg/L	0.3640	mg/L	15:47:58
2	P	214.914†	4593.0	4167.9	2.676	mg/L	2.676	mg/L	15:47:58
2	Pb	220.353†	4906.8	4760.6	0.3891	mg/L	0.3891	mg/L	15:47:58
2	Sb	206.836†	1000.1	945.3	0.7612	mg/L	0.7612	mg/L	15:47:58
2	Se	196.026†	631.3	619.9	0.6326	mg/L	0.6326	mg/L	15:47:58
2	Sn	189.927†	3219.6	3159.0	0.9373	mg/L	0.9373	mg/L	15:47:58
2	Ti	337.279†	1117539.6	1097955.3	1.552	mg/L	1.552	mg/L	15:47:47
2	Tl	190.801†	1557.6	1527.7	1.013	mg/L	1.013	mg/L	15:47:58
2	V	292.402†	80030.7	79278.5	0.4848	mg/L	0.4848	mg/L	15:47:47
2	Zn	213.857†	133976.3	130772.2	1.402	mg/L	1.402	mg/L	15:47:47

Mean Data: CJ20523-BSD1

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	2520523.3	1.02	mg/L	0.001				
Ag 328.068†	23792.6	0.2069	mg/L	0.00062	0.2069	mg/L	0.00062	0.30%
Al 237.313†	442280.8	57.10	mg/L	0.048	57.10	mg/L	0.048	0.08%
As 188.979†	637.8	0.8289	mg/L	0.00225	0.8289	mg/L	0.00225	0.27%
B 182.528†	213.2	0.4215	mg/L	0.00415	0.4215	mg/L	0.00415	0.99%
B 249.677†	790.7	0.4613	mg/L	0.01317	0.4613	mg/L	0.01317	2.86%
Ba 233.527†	77362.2	1.068	mg/L	0.0006	1.068	mg/L	0.0006	0.05%
Be 313.107†	929512.3	0.5551	mg/L	0.00010	0.5551	mg/L	0.00010	0.02%
Ca 315.887†	3938502.0	37.09	mg/L	0.161	37.09	mg/L	0.161	0.43%
Cd 228.802†	14634.6	0.5149	mg/L	0.00191	0.5149	mg/L	0.00191	0.37%
Co 228.616†	27462.1	0.6839	mg/L	0.00364	0.6839	mg/L	0.00364	0.53%
Cr 267.716†	55639.8	0.6100	mg/L	0.00116	0.6100	mg/L	0.00116	0.19%
Cu 324.752†	109326.1	0.6135	mg/L	0.00066	0.6135	mg/L	0.00066	0.11%
Fe 234.349†	89758.3	76.92	mg/L	0.389	76.92	mg/L	0.389	0.51%
Fe 238.204†	8501687.9	71.84	mg/L	0.223	71.84	mg/L	0.223	0.31%
K 766.490†	31724.2	17.26	mg/L	0.238	17.26	mg/L	0.238	1.38%
Li 670.784†	1571.4	0.0491	mg/L	0.00009	0.0491	mg/L	0.00009	0.18%

Mg 279.077†	172248.5	15.16 mg/L	0.0003	15.16 mg/L	0.0003	0.02%
Mn 257.610†	1037231.7	1.831 mg/L	0.0000	1.831 mg/L	0.0000	0.00%
Mo 202.031†	6454.9	0.3195 mg/L	0.00074	0.3195 mg/L	0.00074	0.23%
Na 589.592†	11034.0	1.906 mg/L	0.0294	1.906 mg/L	0.0294	1.54%
Ni 231.604†	10343.6	0.3633 mg/L	0.00101	0.3633 mg/L	0.00101	0.28%
P 214.914†	4156.4	2.669 mg/L	0.0106	2.669 mg/L	0.0106	0.40%
Pb 220.353†	4722.7	0.3858 mg/L	0.00462	0.3858 mg/L	0.00462	1.20%
Sb 206.836†	941.5	0.7580 mg/L	0.00444	0.7580 mg/L	0.00444	0.59%
Se 196.026†	616.0	0.6286 mg/L	0.00559	0.6286 mg/L	0.00559	0.89%
Sn 189.927†	3148.6	0.9341 mg/L	0.00445	0.9341 mg/L	0.00445	0.48%
Sr 407.771†	652432.3	0.6849 mg/L	0.00346	0.6849 mg/L	0.00346	0.51%
Ti 337.279†	1097865.4	1.551 mg/L	0.0002	1.551 mg/L	0.0002	0.01%
Tl 190.801†	1520.5	1.008 mg/L	0.0068	1.008 mg/L	0.0068	0.68%
V 292.402†	79332.1	0.4852 mg/L	0.00055	0.4852 mg/L	0.00055	0.11%
Zn 213.857†	130761.3	1.402 mg/L	0.0002	1.402 mg/L	0.0002	0.01%

Sequence No.: 6
Sample ID: 1210010-01 @20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 10/6/2012 3:49:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210010-01 @20

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	11.9	7.2	0.0068 mg/L	0.0068 mg/L	15:51:27
1	Fe 234.349†	16108.0	15391.4	13.20 mg/L	13.20 mg/L	15:51:17
1	K 766.490†	1411.7	1179.7	0.8317 mg/L	0.8317 mg/L	15:51:17
1	Li 670.784†	-102.3	77.8	0.0030 mg/L	0.0030 mg/L	15:51:17
1	Na 589.592†	28550.0	27119.1	4.537 mg/L	4.537 mg/L	15:51:17
1	Sr 407.771†	88353.2	84260.0	0.0888 mg/L	0.0888 mg/L	15:51:17
1	Y 371.029	2593304.4	2593304.4	1.05 mg/L	1.05 mg/L	15:51:45
1	Ag 328.068†	1507.5	55.7	0.0000 mg/L	0.0000 mg/L	15:51:47
1	Al 237.313†	80953.7	77450.8	9.992 mg/L	9.992 mg/L	15:51:47
1	As 188.979†	1.9	-1.2	0.0057 mg/L	0.0057 mg/L	15:51:57
1	B 182.528†	-4.3	-6.8	-0.0079 mg/L	-0.0079 mg/L	15:51:57
1	Ba 233.527†	37823.0	36181.2	0.4988 mg/L	0.4988 mg/L	15:51:47
1	Be 313.107†	-35.1	482.3	0.0001 mg/L	0.0001 mg/L	15:51:47
1	Ca 315.887†	997148.2	952278.7	8.954 mg/L	8.954 mg/L	15:51:45
1	Cd 228.802†	92.1	25.2	0.0009 mg/L	0.0009 mg/L	15:51:57
1	Co 228.616†	6.4	71.0	-0.0012 mg/L	-0.0012 mg/L	15:51:57
1	Cr 267.716†	18442.2	17206.8	0.1863 mg/L	0.1863 mg/L	15:51:47
1	Cu 324.752†	4413239.0	4214091.3	23.73 mg/L	23.73 mg/L	15:51:45
1	Fe 238.204†	1557963.4	1487938.9	12.56 mg/L	12.56 mg/L	15:51:45
1	Mg 279.077†	17805.7	16872.3	1.451 mg/L	1.451 mg/L	15:51:47
1	Mn 257.610†	52441.9	48921.9	0.0836 mg/L	0.0836 mg/L	15:51:47
1	Mo 202.031†	57.1	27.4	-0.0194 mg/L	-0.0194 mg/L	15:51:57
1	Ni 231.604†	800.0	782.9	0.0240 mg/L	0.0240 mg/L	15:51:57
1	P 214.914†	38907.5	36820.0	21.52 mg/L	21.52 mg/L	15:51:47
1	Pb 220.353†	1525.8	1399.3	0.0867 mg/L	0.0867 mg/L	15:51:57
1	Sb 206.836†	41.6	2.9	-0.0046 mg/L	-0.0046 mg/L	15:51:57
1	Se 196.026†	0.5	0.5	0.0046 mg/L	0.0046 mg/L	15:51:57
1	Sn 189.927†	166.8	156.4	0.0713 mg/L	0.0713 mg/L	15:51:57
1	Ti 337.279†	82960.5	79699.2	0.1107 mg/L	0.1107 mg/L	15:51:47
1	Tl 190.801†	11.2	8.7	-0.0060 mg/L	-0.0060 mg/L	15:51:57
1	V 292.402†	1227.1	1855.2	0.0080 mg/L	0.0080 mg/L	15:51:47
1	Zn 213.857†	924832.7	882556.9	9.444 mg/L	9.444 mg/L	15:51:45
2	B 249.677†	11.4	6.7	0.0065 mg/L	0.0065 mg/L	15:51:40
2	Fe 234.349†	16058.8	15229.0	13.06 mg/L	13.06 mg/L	15:51:30
2	K 766.490†	1444.8	1200.9	0.8431 mg/L	0.8431 mg/L	15:51:30
2	Li 670.784†	-117.0	64.5	0.0026 mg/L	0.0026 mg/L	15:51:30
2	Na 589.592†	28486.4	26853.6	4.494 mg/L	4.494 mg/L	15:51:30
2	Sr 407.771†	87976.4	83267.8	0.0878 mg/L	0.0878 mg/L	15:51:30
2	Y 371.029	2612966.0	2612966.0	1.05 mg/L	1.05 mg/L	15:52:00
2	Ag 328.068†	1515.6	52.5	-0.0001 mg/L	-0.0001 mg/L	15:52:03
2	Al 237.313†	79594.5	75580.4	9.751 mg/L	9.751 mg/L	15:52:03
2	As 188.979†	8.6	5.1	0.0135 mg/L	0.0135 mg/L	15:52:13
2	B 182.528†	-2.2	-4.7	-0.0039 mg/L	-0.0039 mg/L	15:52:13
2	Ba 233.527†	37175.5	35295.6	0.4865 mg/L	0.4865 mg/L	15:52:03
2	Be 313.107†	-100.4	420.6	0.0001 mg/L	0.0001 mg/L	15:52:03
2	Ca 315.887†	1004262.9	951856.5	8.950 mg/L	8.950 mg/L	15:52:00

2	Cd	228.802†	97.8	29.9	0.0010 mg/L	0.0010 mg/L	15:52:13
2	Co	228.616†	7.4	71.9	-0.0011 mg/L	-0.0011 mg/L	15:52:13
2	Cr	267.716†	18177.8	16823.6	0.1821 mg/L	0.1821 mg/L	15:52:03
2	Cu	324.752†	4446624.1	4214020.5	23.73 mg/L	23.73 mg/L	15:52:00
2	Fe	238.204†	1568133.3	1486382.2	12.55 mg/L	12.55 mg/L	15:52:00
2	Mg	279.077†	17579.8	16530.1	1.420 mg/L	1.420 mg/L	15:52:03
2	Mn	257.610†	51710.4	47851.5	0.0817 mg/L	0.0817 mg/L	15:52:03
2	Mo	202.031†	48.4	18.8	-0.0198 mg/L	-0.0198 mg/L	15:52:13
2	Ni	231.604†	783.2	761.2	0.0232 mg/L	0.0232 mg/L	15:52:13
2	P	214.914†	38196.7	35866.5	20.95 mg/L	20.95 mg/L	15:52:03
2	Pb	220.353†	1546.3	1407.7	0.0875 mg/L	0.0875 mg/L	15:52:13
2	Sb	206.836†	40.6	1.7	-0.0055 mg/L	-0.0055 mg/L	15:52:13
2	Se	196.026†	-4.4	-4.2	0.0000 mg/L	0.0000 mg/L	15:52:13
2	Sn	189.927†	144.8	134.4	0.0659 mg/L	0.0659 mg/L	15:52:13
2	Ti	337.279†	81647.6	77858.4	0.1081 mg/L	0.1081 mg/L	15:52:03
2	Tl	190.801†	11.0	8.4	-0.0062 mg/L	-0.0062 mg/L	15:52:13
2	V	292.402†	1128.6	1753.0	0.0074 mg/L	0.0074 mg/L	15:52:03
2	Zn	213.857†	930876.5	881639.2	9.434 mg/L	9.434 mg/L	15:52:00

Mean Data: 1210010-01 @20

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2603135.2	1.05	mg/L	0.006				0.53%
Ag 328.068†	54.1	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	54.44%
Al 237.313†	76515.6	9.872	mg/L	0.1708	9.872	mg/L	0.1708	1.73%
As 188.979†	2.0	0.0096	mg/L	0.00554	0.0096	mg/L	0.00554	57.90%
B 182.528†	-5.8	-0.0059	mg/L	0.00281	-0.0059	mg/L	0.00281	47.70%
B 249.677†	6.9	0.0067	mg/L	0.00021	0.0067	mg/L	0.00021	3.22%
Ba 233.527†	35738.4	0.4926	mg/L	0.00867	0.4926	mg/L	0.00867	1.76%
Be 313.107†	451.5	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	21.00%
Ca 315.887†	952067.6	8.952	mg/L	0.0028	8.952	mg/L	0.0028	0.03%
Cd 228.802†	27.5	0.0009	mg/L	0.00009	0.0009	mg/L	0.00009	10.05%
Co 228.616†	71.4	-0.0012	mg/L	0.00002	-0.0012	mg/L	0.00002	1.65%
Cr 267.716†	17015.2	0.1842	mg/L	0.00298	0.1842	mg/L	0.00298	1.62%
Cu 324.752†	4214055.9	23.73	mg/L	0.000	23.73	mg/L	0.000	0.00%
Fe 234.349†	15310.2	13.13	mg/L	0.098	13.13	mg/L	0.098	0.75%
Fe 238.204†	1487160.5	12.56	mg/L	0.009	12.56	mg/L	0.009	0.07%
K 766.490†	1190.3	0.8374	mg/L	0.00806	0.8374	mg/L	0.00806	0.96%
Li 670.784†	71.2	0.0028	mg/L	0.00029	0.0028	mg/L	0.00029	10.40%
Mg 279.077†	16701.2	1.435	mg/L	0.0213	1.435	mg/L	0.0213	1.49%
Mn 257.610†	48386.7	0.0827	mg/L	0.00134	0.0827	mg/L	0.00134	1.62%
Mo 202.031†	23.1	-0.0196	mg/L	0.00029	-0.0196	mg/L	0.00029	1.50%
Na 589.592†	26986.3	4.516	mg/L	0.0307	4.516	mg/L	0.0307	0.68%
Ni 231.604†	772.1	0.0236	mg/L	0.00054	0.0236	mg/L	0.00054	2.31%
P 214.914†	36343.3	21.23	mg/L	0.401	21.23	mg/L	0.401	1.89%
Pb 220.353†	1403.5	0.0871	mg/L	0.00057	0.0871	mg/L	0.00057	0.66%
Sb 206.836†	2.3	-0.0050	mg/L	0.00068	-0.0050	mg/L	0.00068	13.44%
Se 196.026†	-1.9	0.0023	mg/L	0.00324	0.0023	mg/L	0.00324	142.93%
Sn 189.927†	145.4	0.0686	mg/L	0.00382	0.0686	mg/L	0.00382	5.57%
Sr 407.771†	83763.9	0.0883	mg/L	0.00074	0.0883	mg/L	0.00074	0.83%
Ti 337.279†	78778.8	0.1094	mg/L	0.00184	0.1094	mg/L	0.00184	1.68%
Tl 190.801†	8.6	-0.0061	mg/L	0.00009	-0.0061	mg/L	0.00009	1.43%
V 292.402†	1804.1	0.0077	mg/L	0.00045	0.0077	mg/L	0.00045	5.88%
Zn 213.857†	882098.0	9.439	mg/L	0.0070	9.439	mg/L	0.0070	0.07%

Sequence No.: 7

Sample ID: 1210010-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 13

Date Collected: 10/6/2012 3:53:50 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210010-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	151.6	156.5	0.0937	mg/L	0.0937	mg/L	15:55:34
1	Fe 234.349†	263985.5	279829.6	239.7	mg/L	239.7	mg/L	15:55:32
1	K 766.490†	23728.7	24983.6	13.64	mg/L	13.64	mg/L	15:55:34
1	Li 670.784†	1375.5	1633.5	0.0510	mg/L	0.0510	mg/L	15:55:34
1	Na 589.592†	511315.5	541842.3	88.73	mg/L	88.73	mg/L	15:55:32
1	Sr 407.771†	1532960.7	1624802.8	1.705	mg/L	1.705	mg/L	15:55:32

1	Y 371.029	2336804.7	2336804.7	0.943	mg/L			15:55:49
1	Ag 328.068†	4532.3	3420.0	0.0461	mg/L	0.0461	mg/L	15:55:52
1	Al 237.313†	1421255.8	1506654.4	194.5	mg/L	194.5	mg/L	15:55:49
1	As 188.979†	114.3	118.2	0.2494	mg/L	0.2494	mg/L	15:56:02
1	B 182.528†	-27.2	-31.5	-0.0561	mg/L	-0.0561	mg/L	15:56:02
1	Ba 233.527†	634358.7	672472.8	9.304	mg/L	9.304	mg/L	15:55:49
1	Be 313.107†	5334.4	6170.3	0.0039	mg/L	0.0039	mg/L	15:55:52
1	Ca 315.887†	17120780.5	18147824.1	170.9	mg/L	170.9	mg/L	15:55:46
1	Cd 228.802†	462.6	427.6	0.0144	mg/L	0.0144	mg/L	15:56:02
1	Co 228.616†	1098.0	1228.7	0.0239	mg/L	0.0239	mg/L	15:56:02
1	Cr 267.716†	303645.7	321455.2	3.537	mg/L	3.537	mg/L	15:55:52
1	Cu 324.752†	Saturated3	Saturated3					15:56:02
Saturated in preshot (code 3)								
1	Fe 238.204†	21895256.1	23208749.0	196.1	mg/L	196.1	mg/L	15:55:46
1	Mg 279.077†	284438.2	301368.7	26.55	mg/L	26.55	mg/L	15:55:52
1	Mn 257.610†	854280.0	904366.0	1.596	mg/L	1.596	mg/L	15:55:49
1	Mo 202.031†	791.4	811.7	-0.0316	mg/L	-0.0316	mg/L	15:56:02
1	Ni 231.604†	13042.2	13843.5	0.4869	mg/L	0.4869	mg/L	15:56:02
1	P 214.914†	660228.5	699497.5	416.7	mg/L	416.7	mg/L	15:55:49
1	Pb 220.353†	24001.9	25383.8	2.030	mg/L	2.030	mg/L	15:56:02
1	Sb 206.836†	94.4	63.3	-0.0541	mg/L	-0.0541	mg/L	15:56:02
1	Se 196.026†	-66.2	-70.3	0.0325	mg/L	0.0325	mg/L	15:56:02
1	Sn 189.927†	4076.1	4317.8	1.675	mg/L	1.675	mg/L	15:56:02
1	Ti 337.279†	1447514.1	1534819.8	2.170	mg/L	2.170	mg/L	15:55:49
1	Tl 190.801†	72.5	74.8	-0.0918	mg/L	-0.0918	mg/L	15:56:02
1	V 292.402†	31522.9	34097.3	0.1859	mg/L	0.1859	mg/L	15:55:52
1	Zn 213.857†	7906522.9	8380089.4	90.09	mg/L	90.09	mg/L	15:55:49
2	B 249.677†	145.2	150.5	0.0902	mg/L	0.0902	mg/L	15:55:39
2	Fe 234.349†	267131.7	284525.1	243.8	mg/L	243.8	mg/L	15:55:37
2	K 766.490†	23228.4	24571.6	13.41	mg/L	13.41	mg/L	15:55:39
2	Li 670.784†	1316.6	1577.7	0.0493	mg/L	0.0493	mg/L	15:55:39
2	Na 589.592†	517038.4	550541.9	90.16	mg/L	90.16	mg/L	15:55:37
2	Sr 407.771†	1549813.1	1650559.8	1.732	mg/L	1.732	mg/L	15:55:37
2	Y 371.029	2325630.3	2325630.3	0.939	mg/L			15:56:10
2	Ag 328.068†	4523.3	3433.5	0.0465	mg/L	0.0465	mg/L	15:56:12
2	Al 237.313†	1407450.2	1499188.9	193.6	mg/L	193.6	mg/L	15:56:10
2	As 188.979†	110.0	114.2	0.2462	mg/L	0.2462	mg/L	15:56:23
2	B 182.528†	-25.6	-29.9	-0.0531	mg/L	-0.0531	mg/L	15:56:23
2	Ba 233.527†	628560.7	669528.3	9.263	mg/L	9.263	mg/L	15:56:10
2	Be 313.107†	5250.9	6108.5	0.0038	mg/L	0.0038	mg/L	15:56:12
2	Ca 315.887†	17133538.0	18248611.1	171.9	mg/L	171.9	mg/L	15:56:07
2	Cd 228.802†	459.8	426.9	0.0144	mg/L	0.0144	mg/L	15:56:23
2	Co 228.616†	1107.4	1244.4	0.0243	mg/L	0.0243	mg/L	15:56:23
2	Cr 267.716†	302524.9	321807.9	3.541	mg/L	3.541	mg/L	15:56:12
2	Cu 324.752†	Saturated3	Saturated3					15:56:23
Saturated in preshot (code 3)								
2	Fe 238.204†	21896493.6	23321583.3	197.1	mg/L	197.1	mg/L	15:56:07
2	Mg 279.077†	283558.0	301879.9	26.59	mg/L	26.59	mg/L	15:56:12
2	Mn 257.610†	845907.2	899799.2	1.588	mg/L	1.588	mg/L	15:56:10
2	Mo 202.031†	770.9	794.0	-0.0338	mg/L	-0.0338	mg/L	15:56:23
2	Ni 231.604†	12989.4	13853.7	0.4872	mg/L	0.4872	mg/L	15:56:23
2	P 214.914†	650756.7	692771.9	412.7	mg/L	412.7	mg/L	15:56:10
2	Pb 220.353†	23753.5	25241.5	2.018	mg/L	2.018	mg/L	15:56:23
2	Sb 206.836†	88.3	57.2	-0.0611	mg/L	-0.0611	mg/L	15:56:23
2	Se 196.026†	-69.7	-74.3	0.0303	mg/L	0.0303	mg/L	15:56:23
2	Sn 189.927†	4051.6	4312.4	1.685	mg/L	1.685	mg/L	15:56:23
2	Ti 337.279†	1438504.2	1532595.8	2.167	mg/L	2.167	mg/L	15:56:10
2	Tl 190.801†	67.9	70.3	-0.0972	mg/L	-0.0972	mg/L	15:56:23
2	V 292.402†	31446.2	34176.2	0.1856	mg/L	0.1856	mg/L	15:56:12
2	Zn 213.857†	7865597.9	8376769.8	90.06	mg/L	90.06	mg/L	15:56:10

Mean Data: 1210010-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2331217.5	0.941 mg/L	0.0032			0.34%
Ag 328.068†	3426.8	0.0463 mg/L	0.00030	0.0463 mg/L	0.00030	0.65%
Al 237.313†	1502921.6	194.0 mg/L	0.68	194.0 mg/L	0.68	0.35%
As 188.979†	116.2	0.2478 mg/L	0.00228	0.2478 mg/L	0.00228	0.92%
B 182.528†	-30.7	-0.0546 mg/L	0.00212	-0.0546 mg/L	0.00212	3.88%
B 249.677†	153.5	0.0920 mg/L	0.00248	0.0920 mg/L	0.00248	2.69%
Ba 233.527†	671000.5	9.284 mg/L	0.0288	9.284 mg/L	0.0288	0.31%
Be 313.107†	6139.4	0.0039 mg/L	0.00003	0.0039 mg/L	0.00003	0.67%

Ca	315.887†	18198217.6	171.4 mg/L	0.67	171.4 mg/L	0.67	0.39%
Cd	228.802†	427.2	0.0144 mg/L	0.00000	0.0144 mg/L	0.00000	0.02%
Co	228.616†	1236.6	0.0241 mg/L	0.00028	0.0241 mg/L	0.00028	1.17%
Cr	267.716†	321631.6	3.539 mg/L	0.0027	3.539 mg/L	0.0027	0.08%
Cu	324.752†	Saturated3					
Fe	234.349†	282177.3	241.7 mg/L	2.85	241.7 mg/L	2.85	1.18%
Fe	238.204†	23265166.2	196.6 mg/L	0.67	196.6 mg/L	0.67	0.34%
K	766.490†	24777.6	13.52 mg/L	0.157	13.52 mg/L	0.157	1.16%
Li	670.784†	1605.6	0.0502 mg/L	0.00122	0.0502 mg/L	0.00122	2.43%
Mg	279.077†	301624.3	26.57 mg/L	0.032	26.57 mg/L	0.032	0.12%
Mn	257.610†	902082.6	1.592 mg/L	0.0057	1.592 mg/L	0.0057	0.36%
Mo	202.031†	802.8	-0.0327 mg/L	0.00155	-0.0327 mg/L	0.00155	4.76%
Na	589.592†	546192.1	89.44 mg/L	1.006	89.44 mg/L	1.006	1.12%
Ni	231.604†	13848.6	0.4870 mg/L	0.00025	0.4870 mg/L	0.00025	0.05%
P	214.914†	696134.7	414.7 mg/L	2.82	414.7 mg/L	2.82	0.68%
Pb	220.353†	25312.7	2.024 mg/L	0.0085	2.024 mg/L	0.0085	0.42%
Sb	206.836†	60.3	-0.0576 mg/L	0.00489	-0.0576 mg/L	0.00489	8.49%
Se	196.026†	-72.3	0.0314 mg/L	0.00155	0.0314 mg/L	0.00155	4.94%
Sn	189.927†	4315.1	1.680 mg/L	0.0075	1.680 mg/L	0.0075	0.44%
Sr	407.771†	1637681.3	1.718 mg/L	0.0191	1.718 mg/L	0.0191	1.11%
Ti	337.279†	1533707.8	2.168 mg/L	0.0022	2.168 mg/L	0.0022	0.10%
Tl	190.801†	72.6	-0.0945 mg/L	0.00383	-0.0945 mg/L	0.00383	4.06%
V	292.402†	34136.7	0.1857 mg/L	0.00018	0.1857 mg/L	0.00018	0.09%
Zn	213.857†	8378429.6	90.07 mg/L	0.025	90.07 mg/L	0.025	0.03%

Sequence No.: 8
Sample ID: 1210152-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 10/6/2012 3:59:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210152-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-10.2	-13.5	-0.0053 mg/L	-0.0053 mg/L	16:01:24
1	Fe 234.349†	141003.4	129621.5	111.1 mg/L	111.1 mg/L	16:01:14
1	K 766.490†	24176.6	22055.3	12.06 mg/L	12.06 mg/L	16:01:14
1	Li 670.784†	2492.9	2467.1	0.0768 mg/L	0.0768 mg/L	16:01:24
1	Na 589.592†	5347.6	4765.1	0.8807 mg/L	0.8807 mg/L	16:01:24
1	Sr 407.771†	105406.1	96762.4	0.1020 mg/L	0.1020 mg/L	16:01:14
1	Y 371.029	2694629.7	2694629.7	1.09 mg/L		16:01:44
1	Ag 328.068†	186.5	-1212.8	-0.0033 mg/L	-0.0033 mg/L	16:01:47
1	Al 237.313†	480377.8	441709.0	57.02 mg/L	57.02 mg/L	16:01:44
1	As 188.979†	28.2	22.9	0.0766 mg/L	0.0766 mg/L	16:01:57
1	B 182.528†	6.4	3.3	0.0117 mg/L	0.0117 mg/L	16:01:57
1	Ba 233.527†	22592.3	20822.1	0.2861 mg/L	0.2861 mg/L	16:01:47
1	Be 313.107†	7701.7	7595.6	0.0044 mg/L	0.0044 mg/L	16:01:47
1	Ca 315.887†	2365559.2	2174360.1	20.47 mg/L	20.47 mg/L	16:01:44
1	Cd 228.802†	119.0	46.6	0.0015 mg/L	0.0015 mg/L	16:01:57
1	Co 228.616†	1832.5	1749.4	0.0303 mg/L	0.0303 mg/L	16:01:57
1	Cr 267.716†	9278.4	8120.7	0.0862 mg/L	0.0862 mg/L	16:01:47
1	Cu 324.752†	23210.5	20102.8	0.1142 mg/L	0.1142 mg/L	16:01:47
1	Fe 238.204†	12270084.2	11278970.7	95.32 mg/L	95.32 mg/L	16:01:42
1	Mg 279.077†	225247.5	206921.1	18.22 mg/L	18.22 mg/L	16:01:47
1	Mn 257.610†	1230032.2	1129524.1	1.994 mg/L	1.994 mg/L	16:01:44
1	Mo 202.031†	203.8	160.2	-0.0263 mg/L	-0.0263 mg/L	16:01:57
1	Ni 231.604†	1784.6	1659.2	0.0550 mg/L	0.0550 mg/L	16:01:57
1	P 214.914†	9406.0	8303.6	5.228 mg/L	5.228 mg/L	16:01:57
1	Pb 220.353†	1549.7	1366.4	0.0980 mg/L	0.0980 mg/L	16:01:57
1	Sb 206.836†	56.5	15.1	-0.0376 mg/L	-0.0376 mg/L	16:01:57
1	Se 196.026†	-36.7	-33.8	0.0130 mg/L	0.0130 mg/L	16:01:57
1	Sn 189.927†	-140.7	-132.2	0.2923 mg/L	0.2923 mg/L	16:01:57
1	Ti 337.279†	4259539.8	3915989.9	5.539 mg/L	5.539 mg/L	16:01:42
1	Tl 190.801†	9.2	6.5	-0.0713 mg/L	-0.0713 mg/L	16:01:57
1	V 292.402†	27966.5	26391.0	0.1382 mg/L	0.1382 mg/L	16:01:47
1	Zn 213.857†	26647.8	23694.5	0.2531 mg/L	0.2531 mg/L	16:01:47
2	B 249.677†	-6.4	-10.1	-0.0033 mg/L	-0.0033 mg/L	16:01:37
2	Fe 234.349†	138746.6	127410.0	109.2 mg/L	109.2 mg/L	16:01:27
2	K 766.490†	23994.7	21864.5	11.96 mg/L	11.96 mg/L	16:01:27
2	Li 670.784†	2459.5	2433.9	0.0758 mg/L	0.0758 mg/L	16:01:37
2	Na 589.592†	5302.1	4718.0	0.8730 mg/L	0.8730 mg/L	16:01:37

2	Sr 407.771†	103966.3	95336.2	0.1005	mg/L	0.1005	mg/L	16:01:27
2	Y 371.029	2697526.2	2697526.2	1.09	mg/L			16:02:03
2	Ag 328.068†	240.6	-1163.3	-0.0030	mg/L	-0.0030	mg/L	16:02:05
2	Al 237.313†	481433.7	442204.5	57.08	mg/L	57.08	mg/L	16:02:03
2	As 188.979†	34.1	28.3	0.0826	mg/L	0.0826	mg/L	16:02:15
2	B 182.528†	12.0	8.4	0.0217	mg/L	0.0217	mg/L	16:02:15
2	Ba 233.527†	22755.4	20949.6	0.2879	mg/L	0.2879	mg/L	16:02:05
2	Be 313.107†	7680.1	7568.1	0.0044	mg/L	0.0044	mg/L	16:02:05
2	Ca 315.887†	2368010.7	2174276.3	20.47	mg/L	20.47	mg/L	16:02:03
2	Cd 228.802†	120.1	47.4	0.0015	mg/L	0.0015	mg/L	16:02:15
2	Co 228.616†	1841.7	1756.0	0.0305	mg/L	0.0305	mg/L	16:02:15
2	Cr 267.716†	9393.7	8217.4	0.0873	mg/L	0.0873	mg/L	16:02:05
2	Cu 324.752†	22386.5	19323.2	0.1098	mg/L	0.1098	mg/L	16:02:05
2	Fe 238.204†	12241128.6	11240271.3	94.99	mg/L	94.99	mg/L	16:02:00
2	Mg 279.077†	226718.4	208049.5	18.32	mg/L	18.32	mg/L	16:02:05
2	Mn 257.610†	1233724.5	1131700.5	1.998	mg/L	1.998	mg/L	16:02:03
2	Mo 202.031†	196.8	153.6	-0.0261	mg/L	-0.0261	mg/L	16:02:15
2	Ni 231.604†	1794.7	1666.8	0.0553	mg/L	0.0553	mg/L	16:02:15
2	P 214.914†	9352.0	8244.7	5.188	mg/L	5.188	mg/L	16:02:15
2	Pb 220.353†	1540.3	1356.2	0.0971	mg/L	0.0971	mg/L	16:02:15
2	Sb 206.836†	60.8	19.1	-0.0334	mg/L	-0.0334	mg/L	16:02:15
2	Se 196.026†	-35.3	-32.5	0.0135	mg/L	0.0135	mg/L	16:02:15
2	Sn 189.927†	-150.6	-141.2	0.2847	mg/L	0.2847	mg/L	16:02:15
2	Ti 337.279†	4252063.3	3904920.4	5.524	mg/L	5.524	mg/L	16:02:00
2	Tl 190.801†	12.4	9.4	-0.0681	mg/L	-0.0681	mg/L	16:02:15
2	V 292.402†	27845.4	26252.1	0.1377	mg/L	0.1377	mg/L	16:02:05
2	Zn 213.857†	26676.3	23694.4	0.2532	mg/L	0.2532	mg/L	16:02:05

Mean Data: 1210152-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2696078.0	1.09	mg/L	0.001				0.08%
Ag 328.068†	-1188.1	-0.0031	mg/L	0.00019	-0.0031	mg/L	0.00019	6.23%
Al 237.313†	441956.8	57.05	mg/L	0.045	57.05	mg/L	0.045	0.08%
As 188.979†	25.6	0.0796	mg/L	0.00423	0.0796	mg/L	0.00423	5.31%
B 182.528†	5.8	0.0167	mg/L	0.00702	0.0167	mg/L	0.00702	42.00%
B 249.677†	-11.8	-0.0043	mg/L	0.00141	-0.0043	mg/L	0.00141	32.43%
Ba 233.527†	20885.8	0.2870	mg/L	0.00125	0.2870	mg/L	0.00125	0.43%
Be 313.107†	7581.9	0.0044	mg/L	0.00001	0.0044	mg/L	0.00001	0.26%
Ca 315.887†	2174318.2	20.47	mg/L	0.001	20.47	mg/L	0.001	0.00%
Cd 228.802†	47.0	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.01%
Co 228.616†	1752.7	0.0304	mg/L	0.00014	0.0304	mg/L	0.00014	0.46%
Cr 267.716†	8169.1	0.0868	mg/L	0.00075	0.0868	mg/L	0.00075	0.87%
Cu 324.752†	19713.0	0.1120	mg/L	0.00311	0.1120	mg/L	0.00311	2.78%
Fe 234.349†	128515.7	110.2	mg/L	1.34	110.2	mg/L	1.34	1.22%
Fe 238.204†	11259621.0	95.15	mg/L	0.231	95.15	mg/L	0.231	0.24%
K 766.490†	21959.9	12.01	mg/L	0.073	12.01	mg/L	0.073	0.60%
Li 670.784†	2450.5	0.0763	mg/L	0.00072	0.0763	mg/L	0.00072	0.95%
Mg 279.077†	207485.3	18.27	mg/L	0.070	18.27	mg/L	0.070	0.39%
Mn 257.610†	1130612.3	1.996	mg/L	0.0027	1.996	mg/L	0.0027	0.14%
Mo 202.031†	156.9	-0.0262	mg/L	0.00017	-0.0262	mg/L	0.00017	0.65%
Na 589.592†	4741.6	0.8769	mg/L	0.00545	0.8769	mg/L	0.00545	0.62%
Ni 231.604†	1663.0	0.0552	mg/L	0.00019	0.0552	mg/L	0.00019	0.34%
P 214.914†	8274.2	5.208	mg/L	0.0279	5.208	mg/L	0.0279	0.54%
Pb 220.353†	1361.3	0.0975	mg/L	0.00063	0.0975	mg/L	0.00063	0.65%
Sb 206.836†	17.1	-0.0355	mg/L	0.00296	-0.0355	mg/L	0.00296	8.32%
Se 196.026†	-33.1	0.0133	mg/L	0.00035	0.0133	mg/L	0.00035	2.66%
Sn 189.927†	-136.7	0.2885	mg/L	0.00536	0.2885	mg/L	0.00536	1.86%
Sr 407.771†	96049.3	0.1012	mg/L	0.00106	0.1012	mg/L	0.00106	1.05%
Ti 337.279†	3910455.1	5.531	mg/L	0.0111	5.531	mg/L	0.0111	0.20%
Tl 190.801†	7.9	-0.0697	mg/L	0.00223	-0.0697	mg/L	0.00223	3.19%
V 292.402†	26321.5	0.1379	mg/L	0.00035	0.1379	mg/L	0.00035	0.25%
Zn 213.857†	23694.5	0.2531	mg/L	0.00000	0.2531	mg/L	0.00000	0.00%

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Sequence No.: 9
Sample ID: CJ20523-DUP2
Analyst:
Initial Sample Wt:
Dilution:

=====
Autosampler Location: 15
Date Collected: 10/6/2012 4:03:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	-3.3	-7.1	-0.0016	mg/L	-0.0016	mg/L	16:05:44
1	Fe 234.349†	109793.0	99654.3	85.42	mg/L	85.42	mg/L	16:05:34
1	K 766.490†	20739.6	18654.6	10.23	mg/L	10.23	mg/L	16:05:34
1	Li 670.784†	2048.1	2034.3	0.0634	mg/L	0.0634	mg/L	16:05:44
1	Na 589.592†	4737.7	4149.4	0.7800	mg/L	0.7800	mg/L	16:05:44
1	Sr 407.771†	92722.4	84024.2	0.0886	mg/L	0.0886	mg/L	16:05:34
1	Y 371.029	2729170.8	2729170.8	1.10	mg/L			16:06:04
1	Ag 328.068†	417.6	-1005.2	-0.0035	mg/L	-0.0035	mg/L	16:06:06
1	Al 237.313†	431608.8	391857.3	50.58	mg/L	50.58	mg/L	16:06:04
1	As 188.979†	22.1	17.1	0.0586	mg/L	0.0586	mg/L	16:06:17
1	B 182.528†	2.9	0.0	0.0054	mg/L	0.0054	mg/L	16:06:17
1	Ba 233.527†	20830.2	18960.0	0.2604	mg/L	0.2604	mg/L	16:06:06
1	Be 313.107†	7553.2	7371.2	0.0042	mg/L	0.0042	mg/L	16:06:06
1	Ca 315.887†	2148021.3	1949400.6	18.35	mg/L	18.35	mg/L	16:06:04
1	Cd 228.802†	105.8	33.2	0.0010	mg/L	0.0010	mg/L	16:06:17
1	Co 228.616†	1633.4	1547.3	0.0263	mg/L	0.0263	mg/L	16:06:17
1	Cr 267.716†	9008.4	7767.7	0.0823	mg/L	0.0823	mg/L	16:06:06
1	Cu 324.752†	18385.2	15453.2	0.0876	mg/L	0.0876	mg/L	16:06:06
1	Fe 238.204†	10466944.7	9499682.7	80.28	mg/L	80.28	mg/L	16:06:01
1	Mg 279.077†	189627.7	171971.9	15.14	mg/L	15.14	mg/L	16:06:04
1	Mn 257.610†	1198009.2	1086149.6	1.918	mg/L	1.918	mg/L	16:06:04
1	Mo 202.031†	148.7	107.8	-0.0211	mg/L	-0.0211	mg/L	16:06:06
1	Ni 231.604†	1573.4	1446.8	0.0475	mg/L	0.0475	mg/L	16:06:17
1	P 214.914†	8252.1	7146.9	4.479	mg/L	4.479	mg/L	16:06:06
1	Pb 220.353†	1346.9	1164.3	0.0824	mg/L	0.0824	mg/L	16:06:17
1	Sb 206.836†	70.0	26.7	-0.0165	mg/L	-0.0165	mg/L	16:06:17
1	Se 196.026†	-20.2	-18.4	0.0170	mg/L	0.0170	mg/L	16:06:17
1	Sn 189.927†	-138.0	-128.1	0.2181	mg/L	0.2181	mg/L	16:06:17
1	Ti 337.279†	3898393.4	3538656.0	5.005	mg/L	5.005	mg/L	16:06:04
1	Tl 190.801†	9.5	6.6	-0.0558	mg/L	-0.0558	mg/L	16:06:17
1	V 292.402†	21539.3	20232.2	0.1048	mg/L	0.1048	mg/L	16:06:06
1	Zn 213.857†	24248.4	21206.8	0.2265	mg/L	0.2265	mg/L	16:06:06
2	B 249.677†	-2.4	-6.3	-0.0011	mg/L	-0.0011	mg/L	16:05:57
2	Fe 234.349†	111463.8	102404.3	87.78	mg/L	87.78	mg/L	16:05:47
2	K 766.490†	21059.1	19177.7	10.51	mg/L	10.51	mg/L	16:05:47
2	Li 670.784†	2060.7	2068.5	0.0645	mg/L	0.0645	mg/L	16:05:57
2	Na 589.592†	4683.4	4151.9	0.7804	mg/L	0.7804	mg/L	16:05:57
2	Sr 407.771†	94056.8	86276.3	0.0910	mg/L	0.0910	mg/L	16:05:47
2	Y 371.029	2696292.8	2696292.8	1.09	mg/L			16:06:22
2	Ag 328.068†	407.4	-1009.9	-0.0033	mg/L	-0.0033	mg/L	16:06:24
2	Al 237.313†	426062.2	391538.5	50.54	mg/L	50.54	mg/L	16:06:22
2	As 188.979†	29.3	23.9	0.0681	mg/L	0.0681	mg/L	16:06:35
2	B 182.528†	6.2	3.1	0.0113	mg/L	0.0113	mg/L	16:06:35
2	Ba 233.527†	20673.0	19046.1	0.2616	mg/L	0.2616	mg/L	16:06:24
2	Be 313.107†	7421.3	7333.6	0.0042	mg/L	0.0042	mg/L	16:06:24
2	Ca 315.887†	2116359.5	1944086.4	18.30	mg/L	18.30	mg/L	16:06:22
2	Cd 228.802†	107.4	35.9	0.0011	mg/L	0.0011	mg/L	16:06:35
2	Co 228.616†	1647.3	1578.2	0.0271	mg/L	0.0271	mg/L	16:06:35
2	Cr 267.716†	8824.3	7698.3	0.0816	mg/L	0.0816	mg/L	16:06:24
2	Cu 324.752†	17969.1	15274.5	0.0866	mg/L	0.0866	mg/L	16:06:24
2	Fe 238.204†	10340935.4	9499760.8	80.28	mg/L	80.28	mg/L	16:06:19
2	Mg 279.077†	186726.8	171405.5	15.09	mg/L	15.09	mg/L	16:06:22
2	Mn 257.610†	1184091.7	1086622.5	1.918	mg/L	1.918	mg/L	16:06:22
2	Mo 202.031†	134.6	96.6	-0.0225	mg/L	-0.0225	mg/L	16:06:24
2	Ni 231.604†	1554.4	1446.8	0.0475	mg/L	0.0475	mg/L	16:06:35
2	P 214.914†	8189.2	7180.4	4.505	mg/L	4.505	mg/L	16:06:24
2	Pb 220.353†	1396.3	1224.6	0.0876	mg/L	0.0876	mg/L	16:06:35
2	Sb 206.836†	49.3	8.5	-0.0329	mg/L	-0.0329	mg/L	16:06:35
2	Se 196.026†	-28.0	-25.8	0.0109	mg/L	0.0109	mg/L	16:06:35
2	Sn 189.927†	-125.5	-118.2	0.2272	mg/L	0.2272	mg/L	16:06:35
2	Ti 337.279†	3855225.6	3542143.1	5.010	mg/L	5.010	mg/L	16:06:22
2	Tl 190.801†	21.0	17.3	-0.0496	mg/L	-0.0496	mg/L	16:06:35
2	V 292.402†	21338.0	20285.6	0.1047	mg/L	0.1047	mg/L	16:06:24
2	Zn 213.857†	23949.3	21200.3	0.2264	mg/L	0.2264	mg/L	16:06:24

Mean Data: CJ20523-DUP2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2712731.8	1.10 mg/L	0.009			0.86%

Ag 328.068†	-1007.6	-0.0034 mg/L	0.00010	-0.0034 mg/L	0.00010	2.92%
Al 237.313†	391697.9	50.56 mg/L	0.029	50.56 mg/L	0.029	0.06%
As 188.979†	20.5	0.0634 mg/L	0.00675	0.0634 mg/L	0.00675	10.66%
B 182.528†	1.5	0.0083 mg/L	0.00420	0.0083 mg/L	0.00420	50.48%
B 249.677†	-6.7	-0.0014 mg/L	0.00033	-0.0014 mg/L	0.00033	24.15%
Ba 233.527†	19003.1	0.2610 mg/L	0.00084	0.2610 mg/L	0.00084	0.32%
Be 313.107†	7352.4	0.0042 mg/L	0.00002	0.0042 mg/L	0.00002	0.38%
Ca 315.887†	1946743.5	18.32 mg/L	0.035	18.32 mg/L	0.035	0.19%
Cd 228.802†	34.6	0.0011 mg/L	0.00004	0.0011 mg/L	0.00004	3.70%
Co 228.616†	1562.8	0.0267 mg/L	0.00054	0.0267 mg/L	0.00054	2.03%
Cr 267.716†	7733.0	0.0820 mg/L	0.00054	0.0820 mg/L	0.00054	0.66%
Cu 324.752†	15363.9	0.0871 mg/L	0.00071	0.0871 mg/L	0.00071	0.81%
Fe 234.349†	101029.3	86.60 mg/L	1.667	86.60 mg/L	1.667	1.92%
Fe 238.204†	9499721.8	80.28 mg/L	0.000	80.28 mg/L	0.000	0.00%
K 766.490†	18916.1	10.37 mg/L	0.199	10.37 mg/L	0.199	1.92%
Li 670.784†	2051.4	0.0639 mg/L	0.00075	0.0639 mg/L	0.00075	1.17%
Mg 279.077†	171688.7	15.11 mg/L	0.035	15.11 mg/L	0.035	0.23%
Mn 257.610†	1086386.0	1.918 mg/L	0.0006	1.918 mg/L	0.0006	0.03%
Mo 202.031†	102.2	-0.0218 mg/L	0.00094	-0.0218 mg/L	0.00094	4.33%
Na 589.592†	4150.6	0.7802 mg/L	0.00029	0.7802 mg/L	0.00029	0.04%
Ni 231.604†	1446.8	0.0475 mg/L	0.00000	0.0475 mg/L	0.00000	0.01%
P 214.914†	7163.7	4.492 mg/L	0.0181	4.492 mg/L	0.0181	0.40%
Pb 220.353†	1194.5	0.0850 mg/L	0.00369	0.0850 mg/L	0.00369	4.34%
Sb 206.836†	17.6	-0.0247 mg/L	0.01160	-0.0247 mg/L	0.01160	46.97%
Se 196.026†	-22.1	0.0140 mg/L	0.00434	0.0140 mg/L	0.00434	31.09%
Sn 189.927†	-123.1	0.2227 mg/L	0.00646	0.2227 mg/L	0.00646	2.90%
Sr 407.771†	85150.3	0.0898 mg/L	0.00167	0.0898 mg/L	0.00167	1.86%
Ti 337.279†	3540399.6	5.008 mg/L	0.0035	5.008 mg/L	0.0035	0.07%
Tl 190.801†	11.9	-0.0527 mg/L	0.00433	-0.0527 mg/L	0.00433	8.21%
V 292.402†	20258.9	0.1048 mg/L	0.00009	0.1048 mg/L	0.00009	0.08%
Zn 213.857†	21203.6	0.2265 mg/L	0.00005	0.2265 mg/L	0.00005	0.02%

Sequence No.: 10
Sample ID: CJ20523-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 10/6/2012 4:08:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	722.4	641.3	0.3751 mg/L	0.3751 mg/L	16:09:59
1	Fe 234.349†	138551.3	123803.1	106.1 mg/L	106.1 mg/L	16:09:57
1	K 766.490†	65684.8	58521.5	31.67 mg/L	31.67 mg/L	16:09:57
1	Li 670.784†	17450.7	15767.9	0.4876 mg/L	0.4876 mg/L	16:09:59
1	Na 589.592†	143937.0	128459.0	21.11 mg/L	21.11 mg/L	16:09:57
1	Sr 407.771†	149297.5	133268.3	0.1403 mg/L	0.1403 mg/L	16:09:57
1	Y 371.029	2772211.1	2772211.1	1.12 mg/L		16:10:11
1	Ag 328.068†	26370.0	22177.8	0.1954 mg/L	0.1954 mg/L	16:10:14
1	Al 237.313†	545638.2	487662.2	62.95 mg/L	62.95 mg/L	16:10:11
1	As 188.979†	352.4	311.9	0.4345 mg/L	0.4345 mg/L	16:10:24
1	B 182.528†	214.4	188.9	0.3740 mg/L	0.3740 mg/L	16:10:24
1	Ba 233.527†	54981.3	49180.9	0.6784 mg/L	0.6784 mg/L	16:10:14
1	Be 313.107†	83286.8	74933.7	0.0446 mg/L	0.0446 mg/L	16:10:14
1	Ca 315.887†	2875302.5	2568967.7	24.19 mg/L	24.19 mg/L	16:10:11
1	Cd 228.802†	6390.9	5647.5	0.1983 mg/L	0.1983 mg/L	16:10:24
1	Co 228.616†	19147.9	17173.8	0.4184 mg/L	0.4184 mg/L	16:10:14
1	Cr 267.716†	49881.0	44161.0	0.4836 mg/L	0.4836 mg/L	16:10:14
1	Cu 324.752†	97103.7	85530.1	0.4824 mg/L	0.4824 mg/L	16:10:14
1	Fe 238.204†	12241887.8	10938126.1	92.44 mg/L	92.44 mg/L	16:10:09
1	Mg 279.077†	284115.7	253726.1	22.35 mg/L	22.35 mg/L	16:10:11
1	Mn 257.610†	1614689.7	1441577.6	2.546 mg/L	2.546 mg/L	16:10:11
1	Mo 202.031†	8197.6	7297.6	0.3555 mg/L	0.3555 mg/L	16:10:24
1	Ni 231.604†	13902.1	12440.5	0.4377 mg/L	0.4377 mg/L	16:10:14
1	P 214.914†	16800.9	14669.1	8.994 mg/L	8.994 mg/L	16:10:24
1	Pb 220.353†	6640.4	5875.1	0.4847 mg/L	0.4847 mg/L	16:10:24
1	Sb 206.836†	440.9	357.2	0.2530 mg/L	0.2530 mg/L	16:10:24
1	Se 196.026†	825.1	737.2	0.7586 mg/L	0.7586 mg/L	16:10:24
1	Sn 189.927†	1872.2	1670.0	0.6851 mg/L	0.6851 mg/L	16:10:24
1	Ti 337.279†	4149086.7	3707721.0	5.245 mg/L	5.245 mg/L	16:10:09
1	Tl 190.801†	635.3	565.6	0.3203 mg/L	0.3203 mg/L	16:10:24

1	V 292.402†	95546.2	86054.8	0.5183	mg/L	0.5183	mg/L	16:10:14
1	Zn 213.857†	69722.8	61497.1	0.6568	mg/L	0.6568	mg/L	16:10:14
2	B 249.677†	732.4	660.0	0.3860	mg/L	0.3860	mg/L	16:10:04
2	Fe 234.349†	136250.8	123551.9	105.9	mg/L	105.9	mg/L	16:10:02
2	K 766.490†	64607.4	58414.4	31.62	mg/L	31.62	mg/L	16:10:02
2	Li 670.784†	17361.1	15917.8	0.4923	mg/L	0.4923	mg/L	16:10:04
2	Na 589.592†	141904.9	128522.5	21.12	mg/L	21.12	mg/L	16:10:02
2	Sr 407.771†	147134.9	133284.4	0.1403	mg/L	0.1403	mg/L	16:10:02
2	Y 371.029	2731723.6	2731723.6	1.10	mg/L			16:10:30
2	Ag 328.068†	26396.9	22551.3	0.1986	mg/L	0.1986	mg/L	16:10:32
2	Al 237.313†	536538.1	486636.5	62.82	mg/L	62.82	mg/L	16:10:30
2	As 188.979†	348.3	312.8	0.4355	mg/L	0.4355	mg/L	16:10:42
2	B 182.528†	217.3	194.4	0.3848	mg/L	0.3848	mg/L	16:10:42
2	Ba 233.527†	55056.5	49977.2	0.6894	mg/L	0.6894	mg/L	16:10:32
2	Be 313.107†	83648.6	76364.7	0.0455	mg/L	0.0455	mg/L	16:10:32
2	Ca 315.887†	2826804.4	2563069.3	24.13	mg/L	24.13	mg/L	16:10:30
2	Cd 228.802†	6408.6	5748.2	0.2019	mg/L	0.2019	mg/L	16:10:42
2	Co 228.616†	19252.2	17522.0	0.4269	mg/L	0.4269	mg/L	16:10:32
2	Cr 267.716†	50064.4	44987.8	0.4927	mg/L	0.4927	mg/L	16:10:32
2	Cu 324.752†	97569.4	87238.4	0.4921	mg/L	0.4921	mg/L	16:10:32
2	Fe 238.204†	12323327.1	11174090.4	94.43	mg/L	94.43	mg/L	16:10:27
2	Mg 279.077†	279046.6	252892.2	22.27	mg/L	22.27	mg/L	16:10:30
2	Mn 257.610†	1588614.2	1439316.8	2.542	mg/L	2.542	mg/L	16:10:30
2	Mo 202.031†	8200.8	7409.0	0.3615	mg/L	0.3615	mg/L	16:10:42
2	Ni 231.604†	14018.7	12730.3	0.4480	mg/L	0.4480	mg/L	16:10:32
2	P 214.914†	16840.8	14927.8	9.147	mg/L	9.147	mg/L	16:10:42
2	Pb 220.353†	6647.1	5969.2	0.4928	mg/L	0.4928	mg/L	16:10:42
2	Sb 206.836†	437.7	360.0	0.2556	mg/L	0.2556	mg/L	16:10:42
2	Se 196.026†	826.7	749.6	0.7705	mg/L	0.7705	mg/L	16:10:42
2	Sn 189.927†	1884.9	1706.2	0.6927	mg/L	0.6927	mg/L	16:10:42
2	Ti 337.279†	4171500.7	3782991.2	5.351	mg/L	5.351	mg/L	16:10:27
2	Tl 190.801†	628.2	567.6	0.3216	mg/L	0.3216	mg/L	16:10:42
2	V 292.402†	96026.0	87755.2	0.5290	mg/L	0.5290	mg/L	16:10:32
2	Zn 213.857†	69982.0	62655.4	0.6692	mg/L	0.6692	mg/L	16:10:32

Mean Data: CJ20523-MS2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2751967.4	1.11	mg/L	0.012				1.04%
Ag 328.068†	22364.5	0.1970	mg/L	0.00224	0.1970	mg/L	0.00224	1.14%
Al 237.313†	487149.3	62.89	mg/L	0.094	62.89	mg/L	0.094	0.15%
As 188.979†	312.4	0.4350	mg/L	0.00073	0.4350	mg/L	0.00073	0.17%
B 182.528†	191.7	0.3794	mg/L	0.00758	0.3794	mg/L	0.00758	2.00%
B 249.677†	650.6	0.3805	mg/L	0.00769	0.3805	mg/L	0.00769	2.02%
Ba 233.527†	49579.1	0.6839	mg/L	0.00779	0.6839	mg/L	0.00779	1.14%
Be 313.107†	75649.2	0.0451	mg/L	0.00061	0.0451	mg/L	0.00061	1.34%
Ca 315.887†	2566018.5	24.16	mg/L	0.039	24.16	mg/L	0.039	0.16%
Cd 228.802†	5697.9	0.2001	mg/L	0.00252	0.2001	mg/L	0.00252	1.26%
Co 228.616†	17347.9	0.4227	mg/L	0.00604	0.4227	mg/L	0.00604	1.43%
Cr 267.716†	44574.4	0.4882	mg/L	0.00644	0.4882	mg/L	0.00644	1.32%
Cu 324.752†	86384.3	0.4873	mg/L	0.00686	0.4873	mg/L	0.00686	1.41%
Fe 234.349†	123677.5	106.0	mg/L	0.15	106.0	mg/L	0.15	0.14%
Fe 238.204†	11056108.3	93.43	mg/L	1.410	93.43	mg/L	1.410	1.51%
K 766.490†	58468.0	31.65	mg/L	0.041	31.65	mg/L	0.041	0.13%
Li 670.784†	15842.8	0.4900	mg/L	0.00327	0.4900	mg/L	0.00327	0.67%
Mg 279.077†	253309.1	22.31	mg/L	0.052	22.31	mg/L	0.052	0.23%
Mn 257.610†	1440447.2	2.544	mg/L	0.0028	2.544	mg/L	0.0028	0.11%
Mo 202.031†	7353.3	0.3585	mg/L	0.00424	0.3585	mg/L	0.00424	1.18%
Na 589.592†	128490.7	21.12	mg/L	0.007	21.12	mg/L	0.007	0.03%
Ni 231.604†	12585.4	0.4428	mg/L	0.00727	0.4428	mg/L	0.00727	1.64%
P 214.914†	14798.4	9.070	mg/L	0.1083	9.070	mg/L	0.1083	1.19%
Pb 220.353†	5922.2	0.4887	mg/L	0.00575	0.4887	mg/L	0.00575	1.18%
Sb 206.836†	358.6	0.2543	mg/L	0.00180	0.2543	mg/L	0.00180	0.71%
Se 196.026†	743.4	0.7645	mg/L	0.00845	0.7645	mg/L	0.00845	1.11%
Sn 189.927†	1688.1	0.6889	mg/L	0.00536	0.6889	mg/L	0.00536	0.78%
Sr 407.771†	133276.3	0.1403	mg/L	0.00001	0.1403	mg/L	0.00001	0.01%
Ti 337.279†	3745356.1	5.298	mg/L	0.0753	5.298	mg/L	0.0753	1.42%
Tl 190.801†	566.6	0.3209	mg/L	0.00093	0.3209	mg/L	0.00093	0.29%
V 292.402†	86905.0	0.5236	mg/L	0.00757	0.5236	mg/L	0.00757	1.45%
Zn 213.857†	62076.3	0.6630	mg/L	0.00875	0.6630	mg/L	0.00875	1.32%

Sequence No.: 11
Sample ID: CJ20523-SD2 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 10/6/2012 4:12:20PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Conc. Units	Sample	Analysis Time
1	B 249.677†	4.7	0.2	0.0027 mg/L		0.0027 mg/L		16:14:11
1	Fe 234.349†	32935.8	30786.3	26.40 mg/L		26.40 mg/L		16:14:01
1	K 766.490†	5874.3	5321.1	3.059 mg/L		3.059 mg/L		16:14:01
1	Li 670.784†	485.3	629.0	0.0200 mg/L		0.0200 mg/L		16:14:01
1	Na 589.592†	1264.2	1030.9	0.2699 mg/L		0.2699 mg/L		16:14:01
1	Sr 407.771†	24497.5	22763.5	0.0243 mg/L		0.0243 mg/L		16:14:01
1	Y 371.029	2650444.8	2650444.8	1.07 mg/L				16:14:28
1	Ag 328.068†	1005.3	-444.7	-0.0033 mg/L		-0.0033 mg/L		16:14:30
1	Al 237.313†	113280.4	105995.1	13.68 mg/L		13.68 mg/L		16:14:30
1	As 188.979†	0.1	-2.9	0.0091 mg/L		0.0091 mg/L		16:14:41
1	B 182.528†	5.0	2.0	0.0093 mg/L		0.0093 mg/L		16:14:41
1	Ba 233.527†	5397.2	5098.5	0.0686 mg/L		0.0686 mg/L		16:14:30
1	Be 313.107†	1491.0	1909.3	0.0010 mg/L		0.0010 mg/L		16:14:30
1	Ca 315.887†	555058.7	518585.2	4.869 mg/L		4.869 mg/L		16:14:28
1	Cd 228.802†	81.0	12.9	0.0004 mg/L		0.0004 mg/L		16:14:41
1	Co 228.616†	380.1	420.1	0.0052 mg/L		0.0052 mg/L		16:14:41
1	Cr 267.716†	2518.9	1945.7	0.0182 mg/L		0.0182 mg/L		16:14:30
1	Cu 324.752†	5605.7	4005.6	0.0203 mg/L		0.0203 mg/L		16:14:30
1	Fe 238.204†	3126638.5	2921882.0	24.68 mg/L		24.68 mg/L		16:14:28
1	Mg 279.077†	54890.3	51163.5	4.476 mg/L		4.476 mg/L		16:14:30
1	Mn 257.610†	295969.0	275433.3	0.4841 mg/L		0.4841 mg/L		16:14:28
1	Mo 202.031†	69.4	37.7	-0.0065 mg/L		-0.0065 mg/L		16:14:41
1	Ni 231.604†	406.4	398.6	0.0103 mg/L		0.0103 mg/L		16:14:41
1	P 214.914†	2428.9	1927.3	1.236 mg/L		1.236 mg/L		16:14:41
1	Pb 220.353†	414.2	329.0	0.0206 mg/L		0.0206 mg/L		16:14:41
1	Sb 206.836†	36.7	-2.5	-0.0150 mg/L		-0.0150 mg/L		16:14:41
1	Se 196.026†	-6.7	-6.4	0.0036 mg/L		0.0036 mg/L		16:14:41
1	Sn 189.927†	-43.7	-43.7	0.0646 mg/L		0.0646 mg/L		16:14:41
1	Ti 337.279†	1007044.9	941605.4	1.330 mg/L		1.330 mg/L		16:14:28
1	Tl 190.801†	6.1	3.7	-0.0188 mg/L		-0.0188 mg/L		16:14:41
1	V 292.402†	6197.9	6475.4	0.0325 mg/L		0.0325 mg/L		16:14:30
1	Zn 213.857†	8640.0	7273.5	0.0770 mg/L		0.0770 mg/L		16:14:30
2	B 249.677†	0.2	-3.9	0.0003 mg/L		0.0003 mg/L		16:14:24
2	Fe 234.349†	32180.5	30522.9	26.18 mg/L		26.18 mg/L		16:14:14
2	K 766.490†	5718.5	5254.2	3.023 mg/L		3.023 mg/L		16:14:14
2	Li 670.784†	397.8	552.7	0.0177 mg/L		0.0177 mg/L		16:14:14
2	Na 589.592†	1306.4	1088.3	0.2793 mg/L		0.2793 mg/L		16:14:14
2	Sr 407.771†	24004.4	22632.7	0.0242 mg/L		0.0242 mg/L		16:14:14
2	Y 371.029	2612019.4	2612019.4	1.05 mg/L				16:14:43
2	Ag 328.068†	1038.7	-399.2	-0.0029 mg/L		-0.0029 mg/L		16:14:45
2	Al 237.313†	112337.3	106658.2	13.76 mg/L		13.76 mg/L		16:14:45
2	As 188.979†	7.1	3.7	0.0172 mg/L		0.0172 mg/L		16:14:56
2	B 182.528†	3.5	0.6	0.0066 mg/L		0.0066 mg/L		16:14:56
2	Ba 233.527†	5321.3	5100.6	0.0687 mg/L		0.0687 mg/L		16:14:45
2	Be 313.107†	1475.0	1914.6	0.0010 mg/L		0.0010 mg/L		16:14:45
2	Ca 315.887†	540403.9	512319.1	4.810 mg/L		4.810 mg/L		16:14:43
2	Cd 228.802†	73.9	7.3	0.0002 mg/L		0.0002 mg/L		16:14:56
2	Co 228.616†	397.6	442.0	0.0058 mg/L		0.0058 mg/L		16:14:56
2	Cr 267.716†	2479.6	1943.0	0.0182 mg/L		0.0182 mg/L		16:14:45
2	Cu 324.752†	5574.9	4053.5	0.0205 mg/L		0.0205 mg/L		16:14:45
2	Fe 238.204†	3047136.5	2889475.5	24.41 mg/L		24.41 mg/L		16:14:43
2	Mg 279.077†	54350.1	51405.9	4.498 mg/L		4.498 mg/L		16:14:45
2	Mn 257.610†	288223.8	272157.5	0.4783 mg/L		0.4783 mg/L		16:14:43
2	Mo 202.031†	93.6	61.6	-0.0051 mg/L		-0.0051 mg/L		16:14:56
2	Ni 231.604†	411.5	409.0	0.0107 mg/L		0.0107 mg/L		16:14:56
2	P 214.914†	2417.3	1949.6	1.249 mg/L		1.249 mg/L		16:14:56
2	Pb 220.353†	386.0	307.9	0.0188 mg/L		0.0188 mg/L		16:14:56
2	Sb 206.836†	38.8	0.0	-0.0128 mg/L		-0.0128 mg/L		16:14:56
2	Se 196.026†	-5.9	-5.7	0.0042 mg/L		0.0042 mg/L		16:14:56
2	Sn 189.927†	-48.0	-48.4	0.0629 mg/L		0.0629 mg/L		16:14:56
2	Ti 337.279†	979561.1	929387.5	1.313 mg/L		1.313 mg/L		16:14:43
2	Tl 190.801†	5.9	3.6	-0.0187 mg/L		-0.0187 mg/L		16:14:56
2	V 292.402†	6201.4	6563.9	0.0331 mg/L		0.0331 mg/L		16:14:45

Mean Data: CJ20523-SD2 @5

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	2631232.1	1.06	mg/L	0.011				1.03%
Ag 328.068†	-421.9	-0.0031	mg/L	0.00026	-0.0031	mg/L	0.00026	8.49%
Al 237.313†	106326.6	13.72	mg/L	0.061	13.72	mg/L	0.061	0.44%
As 188.979†	0.4	0.0131	mg/L	0.00573	0.0131	mg/L	0.00573	43.63%
B 182.528†	1.3	0.0080	mg/L	0.00192	0.0080	mg/L	0.00192	24.15%
B 249.677†	-1.9	0.0015	mg/L	0.00171	0.0015	mg/L	0.00171	112.32%
Ba 233.527†	5099.5	0.0686	mg/L	0.00002	0.0686	mg/L	0.00002	0.03%
Be 313.107†	1911.9	0.0010	mg/L	0.00000	0.0010	mg/L	0.00000	0.23%
Ca 315.887†	515452.2	4.840	mg/L	0.0417	4.840	mg/L	0.0417	0.86%
Cd 228.802†	10.1	0.0003	mg/L	0.00017	0.0003	mg/L	0.00017	52.84%
Co 228.616†	431.0	0.0055	mg/L	0.00041	0.0055	mg/L	0.00041	7.52%
Cr 267.716†	1944.4	0.0182	mg/L	0.00002	0.0182	mg/L	0.00002	0.11%
Cu 324.752†	4029.5	0.0204	mg/L	0.00018	0.0204	mg/L	0.00018	0.89%
Fe 234.349†	30654.6	26.29	mg/L	0.160	26.29	mg/L	0.160	0.61%
Fe 238.204†	2905678.8	24.55	mg/L	0.194	24.55	mg/L	0.194	0.79%
K 766.490†	5287.7	3.041	mg/L	0.0254	3.041	mg/L	0.0254	0.84%
Li 670.784†	590.8	0.0188	mg/L	0.00167	0.0188	mg/L	0.00167	8.85%
Mg 279.077†	51284.7	4.487	mg/L	0.0151	4.487	mg/L	0.0151	0.34%
Mn 257.610†	273795.4	0.4812	mg/L	0.00410	0.4812	mg/L	0.00410	0.85%
Mo 202.031†	49.7	-0.0058	mg/L	0.00095	-0.0058	mg/L	0.00095	16.44%
Na 589.592†	1059.6	0.2746	mg/L	0.00664	0.2746	mg/L	0.00664	2.42%
Ni 231.604†	403.8	0.0105	mg/L	0.00026	0.0105	mg/L	0.00026	2.50%
P 214.914†	1938.4	1.243	mg/L	0.0090	1.243	mg/L	0.0090	0.73%
Pb 220.353†	318.4	0.0197	mg/L	0.00130	0.0197	mg/L	0.00130	6.61%
Sb 206.836†	-1.3	-0.0139	mg/L	0.00159	-0.0139	mg/L	0.00159	11.45%
Se 196.026†	-6.0	0.0039	mg/L	0.00042	0.0039	mg/L	0.00042	10.76%
Sn 189.927†	-46.0	0.0638	mg/L	0.00122	0.0638	mg/L	0.00122	1.92%
Sr 407.771†	22698.1	0.0243	mg/L	0.00010	0.0243	mg/L	0.00010	0.40%
Ti 337.279†	935496.5	1.322	mg/L	0.0122	1.322	mg/L	0.0122	0.92%
Tl 190.801†	3.7	-0.0188	mg/L	0.00006	-0.0188	mg/L	0.00006	0.34%
V 292.402†	6519.7	0.0328	mg/L	0.00044	0.0328	mg/L	0.00044	1.34%
Zn 213.857†	7292.9	0.0772	mg/L	0.00029	0.0772	mg/L	0.00029	0.38%

Sequence No.: 12

Sample ID: CJ20523-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 18

Date Collected: 10/6/2012 4:16:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20523-PDS2

Repl#	Analyte	Net		Calib.	Sample	Analysis
		Intensity	Corrected Intensity			
1	B 249.677†	824.6	734.7	0.4294	0.4294	16:18:17
1	Fe 234.349†	134453.1	120492.1	103.3	103.3	16:18:15
1	K 766.490†	68081.8	60840.8	32.92	32.92	16:18:15
1	Li 670.784†	18736.3	16965.4	0.5246	0.5246	16:18:17
1	Na 589.592†	153686.7	137571.4	22.60	22.60	16:18:15
1	Sr 407.771†	144763.5	129594.7	0.1364	0.1364	16:18:15
1	Y 371.029	2764140.6	2764140.6	1.12		16:18:30
1	Ag 328.068†	29206.4	24788.3	0.2174	0.2174	16:18:32
1	Al 237.313†	502485.4	450415.5	58.15	58.15	16:18:30
1	As 188.979†	387.1	343.9	0.4731	0.4731	16:18:42
1	B 182.528†	239.5	212.0	0.4190	0.4190	16:18:42
1	Ba 233.527†	58111.3	52129.2	0.7191	0.7191	16:18:32
1	Be 313.107†	90709.1	81802.2	0.0487	0.0487	16:18:32
1	Ca 315.887†	2894555.4	2593721.7	24.42	24.42	16:18:30
1	Cd 228.802†	6942.7	6158.7	0.2162	0.2162	16:18:42
1	Co 228.616†	20981.9	18867.2	0.4596	0.4596	16:18:32
1	Cr 267.716†	54140.2	48107.9	0.5271	0.5271	16:18:32
1	Cu 324.752†	103995.4	91959.2	0.5192	0.5192	16:18:32
1	Fe 238.204†	12383724.5	11097165.7	93.78	93.78	16:18:27
1	Mg 279.077†	278788.0	249693.1	21.99	21.99	16:18:30
1	Mn 257.610†	1507467.6	1349705.9	2.384	2.384	16:18:30
1	Mo 202.031†	9264.6	8275.1	0.4084	0.4084	16:18:42
1	Ni 231.604†	15245.1	13680.3	0.4817	0.4817	16:18:32

1	P 214.914†	16860.1	14766.0	9.044 mg/L	9.044 mg/L	16:18:42
1	Pb 220.353†	6887.1	6113.5	0.5065 mg/L	0.5065 mg/L	16:18:42
1	Sb 206.836†	595.1	496.5	0.3717 mg/L	0.3717 mg/L	16:18:42
1	Se 196.026†	919.8	824.2	0.8417 mg/L	0.8417 mg/L	16:18:42
1	Sn 189.927†	2116.2	1893.5	0.7274 mg/L	0.7274 mg/L	16:18:42
1	Ti 337.279†	4675989.8	4190714.4	5.928 mg/L	5.928 mg/L	16:18:27
1	Tl 190.801†	693.7	619.6	0.3583 mg/L	0.3583 mg/L	16:18:42
1	V 292.402†	108757.6	98143.1	0.5946 mg/L	0.5946 mg/L	16:18:32
1	Zn 213.857†	71271.0	63066.3	0.6734 mg/L	0.6734 mg/L	16:18:32
2	B 249.677†	838.1	760.8	0.4446 mg/L	0.4446 mg/L	16:18:22
2	Fe 234.349†	135696.4	123869.2	106.2 mg/L	106.2 mg/L	16:18:20
2	K 766.490†	68290.0	62166.3	33.63 mg/L	33.63 mg/L	16:18:20
2	Li 670.784†	18824.3	17358.3	0.5368 mg/L	0.5368 mg/L	16:18:22
2	Na 589.592†	154648.3	141012.1	23.17 mg/L	23.17 mg/L	16:18:20
2	Sr 407.771†	145880.0	133028.1	0.1400 mg/L	0.1400 mg/L	16:18:20
2	Y 371.029	2713640.1	2713640.1	1.10 mg/L		16:18:48
2	Ag 328.068†	28706.5	24819.0	0.2179 mg/L	0.2179 mg/L	16:18:50
2	Al 237.313†	493912.7	450970.2	58.22 mg/L	58.22 mg/L	16:18:48
2	As 188.979†	390.4	353.4	0.4861 mg/L	0.4861 mg/L	16:19:00
2	B 182.528†	236.4	213.2	0.4213 mg/L	0.4213 mg/L	16:19:00
2	Ba 233.527†	57462.0	52505.7	0.7244 mg/L	0.7244 mg/L	16:18:50
2	Be 313.107†	89237.4	81971.6	0.0489 mg/L	0.0489 mg/L	16:18:50
2	Ca 315.887†	2839684.9	2591907.7	24.40 mg/L	24.40 mg/L	16:18:48
2	Cd 228.802†	6919.4	6253.2	0.2195 mg/L	0.2195 mg/L	16:19:00
2	Co 228.616†	20618.0	18884.9	0.4599 mg/L	0.4599 mg/L	16:18:50
2	Cr 267.716†	53414.7	48348.5	0.5298 mg/L	0.5298 mg/L	16:18:50
2	Cu 324.752†	102345.9	92187.9	0.5205 mg/L	0.5205 mg/L	16:18:50
2	Fe 238.204†	12291575.4	11219572.1	94.82 mg/L	94.82 mg/L	16:18:45
2	Mg 279.077†	273459.2	249478.2	21.97 mg/L	21.97 mg/L	16:18:48
2	Mn 257.610†	1482115.7	1351704.4	2.387 mg/L	2.387 mg/L	16:18:48
2	Mo 202.031†	9288.5	8451.4	0.4169 mg/L	0.4169 mg/L	16:19:00
2	Ni 231.604†	14949.7	13664.8	0.4812 mg/L	0.4812 mg/L	16:18:50
2	P 214.914†	16812.4	15003.6	9.192 mg/L	9.192 mg/L	16:19:00
2	Pb 220.353†	6922.1	6260.4	0.5192 mg/L	0.5192 mg/L	16:19:00
2	Sb 206.836†	599.2	510.2	0.3819 mg/L	0.3819 mg/L	16:19:00
2	Se 196.026†	919.7	839.4	0.8577 mg/L	0.8577 mg/L	16:19:00
2	Sn 189.927†	2110.5	1923.6	0.7426 mg/L	0.7426 mg/L	16:19:00
2	Ti 337.279†	4632215.9	4228737.9	5.982 mg/L	5.982 mg/L	16:18:45
2	Tl 190.801†	687.9	625.9	0.3610 mg/L	0.3610 mg/L	16:19:00
2	V 292.402†	106974.9	98329.6	0.5953 mg/L	0.5953 mg/L	16:18:50
2	Zn 213.857†	69940.8	63040.7	0.6731 mg/L	0.6731 mg/L	16:18:50

Mean Data: CJ20523-PDS2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2738890.3	1.11	mg/L	0.014				1.30%
Ag 328.068†	24803.7	0.2177	mg/L	0.00034	0.2177	mg/L	0.00034	0.16%
Al 237.313†	450692.8	58.18	mg/L	0.051	58.18	mg/L	0.051	0.09%
As 188.979†	348.7	0.4796	mg/L	0.00924	0.4796	mg/L	0.00924	1.93%
B 182.528†	212.6	0.4202	mg/L	0.00167	0.4202	mg/L	0.00167	0.40%
B 249.677†	747.8	0.4370	mg/L	0.01074	0.4370	mg/L	0.01074	2.46%
Ba 233.527†	52317.4	0.7217	mg/L	0.00368	0.7217	mg/L	0.00368	0.51%
Be 313.107†	81886.9	0.0488	mg/L	0.00007	0.0488	mg/L	0.00007	0.15%
Ca 315.887†	2592814.7	24.41	mg/L	0.012	24.41	mg/L	0.012	0.05%
Cd 228.802†	6205.9	0.2179	mg/L	0.00233	0.2179	mg/L	0.00233	1.07%
Co 228.616†	18876.1	0.4598	mg/L	0.00024	0.4598	mg/L	0.00024	0.05%
Cr 267.716†	48228.2	0.5285	mg/L	0.00188	0.5285	mg/L	0.00188	0.36%
Cu 324.752†	92073.6	0.5198	mg/L	0.00094	0.5198	mg/L	0.00094	0.18%
Fe 234.349†	122180.6	104.7	mg/L	2.05	104.7	mg/L	2.05	1.95%
Fe 238.204†	11158368.9	94.30	mg/L	0.732	94.30	mg/L	0.732	0.78%
K 766.490†	61503.5	33.28	mg/L	0.504	33.28	mg/L	0.504	1.51%
Li 670.784†	17161.8	0.5307	mg/L	0.00858	0.5307	mg/L	0.00858	1.62%
Mg 279.077†	249585.6	21.98	mg/L	0.013	21.98	mg/L	0.013	0.06%
Mn 257.610†	1350705.2	2.385	mg/L	0.0025	2.385	mg/L	0.0025	0.10%
Mo 202.031†	8363.3	0.4127	mg/L	0.00601	0.4127	mg/L	0.00601	1.46%
Na 589.592†	139291.7	22.89	mg/L	0.398	22.89	mg/L	0.398	1.74%
Ni 231.604†	13672.5	0.4814	mg/L	0.00038	0.4814	mg/L	0.00038	0.08%
P 214.914†	14884.8	9.118	mg/L	0.1047	9.118	mg/L	0.1047	1.15%
Pb 220.353†	6186.9	0.5128	mg/L	0.00895	0.5128	mg/L	0.00895	1.74%
Sb 206.836†	503.3	0.3768	mg/L	0.00726	0.3768	mg/L	0.00726	1.93%
Se 196.026†	831.8	0.8497	mg/L	0.01132	0.8497	mg/L	0.01132	1.33%
Sn 189.927†	1908.5	0.7350	mg/L	0.01079	0.7350	mg/L	0.01079	1.47%

Sr 407.771†	131311.4	0.1382 mg/L	0.00255	0.1382 mg/L	0.00255	1.84%
Ti 337.279†	4209726.1	5.955 mg/L	0.0380	5.955 mg/L	0.0380	0.64%
Tl 190.801†	622.8	0.3596 mg/L	0.00190	0.3596 mg/L	0.00190	0.53%
V 292.402†	98236.4	0.5949 mg/L	0.00047	0.5949 mg/L	0.00047	0.08%
Zn 213.857†	63053.5	0.6732 mg/L	0.00019	0.6732 mg/L	0.00019	0.03%

Sequence No.: 13
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/6/2012 4:20:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	861.4	962.9	0.5620	mg/L	0.5620	mg/L	16:22:32
1	Fe 234.349†	3029.0	3406.3	2.925	mg/L	2.925	mg/L	16:22:32
1	K 766.490†	45785.9	51233.6	27.75	mg/L	27.75	mg/L	16:22:22
1	Li 670.784†	16305.7	18481.3	0.5715	mg/L	0.5715	mg/L	16:22:22
1	Na 589.592†	152174.7	170690.9	28.02	mg/L	28.02	mg/L	16:22:22
1	Sr 407.771†	47150.2	52803.0	0.0558	mg/L	0.0558	mg/L	16:22:22
1	Y 371.029	2206359.3	2206359.3	0.891	mg/L			16:22:49
1	Ag 328.068†	32048.6	34595.7	0.2931	mg/L	0.2931	mg/L	16:22:51
1	Al 237.313†	20302.4	22920.4	2.957	mg/L	2.957	mg/L	16:22:51
1	As 188.979†	382.9	426.9	0.5345	mg/L	0.5345	mg/L	16:23:01
1	B 182.528†	246.8	274.4	0.5409	mg/L	0.5409	mg/L	16:23:01
1	Ba 233.527†	37652.0	42325.0	0.5835	mg/L	0.5835	mg/L	16:22:51
1	Be 313.107†	89666.3	101181.3	0.0603	mg/L	0.0603	mg/L	16:22:51
1	Ca 315.887†	552464.9	620082.1	5.828	mg/L	5.828	mg/L	16:22:49
1	Cd 228.802†	7372.5	8214.0	0.2886	mg/L	0.2886	mg/L	16:23:01
1	Co 228.616†	21221.4	23889.4	0.5962	mg/L	0.5962	mg/L	16:22:51
1	Cr 267.716†	48066.1	53553.9	0.5873	mg/L	0.5873	mg/L	16:22:51
1	Cu 324.752†	96324.0	106906.5	0.5991	mg/L	0.5991	mg/L	16:22:51
1	Fe 238.204†	313288.4	351561.8	2.960	mg/L	2.960	mg/L	16:22:51
1	Mg 279.077†	60703.3	68014.7	5.963	mg/L	5.963	mg/L	16:22:51
1	Mn 257.610†	308260.0	344905.0	0.6071	mg/L	0.6071	mg/L	16:22:51
1	Mo 202.031†	9527.1	10668.7	0.5672	mg/L	0.5672	mg/L	16:23:01
1	Ni 231.604†	14934.5	16785.3	0.5920	mg/L	0.5920	mg/L	16:22:51
1	P 214.914†	8535.8	9240.1	5.517	mg/L	5.517	mg/L	16:23:01
1	Pb 220.353†	5903.4	6569.4	0.5610	mg/L	0.5610	mg/L	16:23:01
1	Sb 206.836†	619.6	658.9	0.5530	mg/L	0.5530	mg/L	16:23:01
1	Se 196.026†	1031.5	1157.9	1.123	mg/L	1.123	mg/L	16:23:01
1	Sn 189.927†	2301.8	2581.3	0.5895	mg/L	0.5895	mg/L	16:23:01
1	Ti 337.279†	375222.7	421709.1	0.5947	mg/L	0.5947	mg/L	16:22:51
1	Tl 190.801†	740.6	829.4	0.5688	mg/L	0.5688	mg/L	16:23:01
1	V 292.402†	84780.8	95863.6	0.6050	mg/L	0.6050	mg/L	16:22:51
1	Zn 213.857†	50884.0	56324.7	0.6001	mg/L	0.6001	mg/L	16:22:51
2	B 249.677†	862.5	830.7	0.4853	mg/L	0.4853	mg/L	16:22:45
2	Fe 234.349†	3020.4	2929.6	2.518	mg/L	2.518	mg/L	16:22:45
2	K 766.490†	45473.2	43851.2	23.78	mg/L	23.78	mg/L	16:22:35
2	Li 670.784†	16091.9	15753.1	0.4872	mg/L	0.4872	mg/L	16:22:35
2	Na 589.592†	151132.0	146151.2	24.01	mg/L	24.01	mg/L	16:22:35
2	Sr 407.771†	46722.3	45098.1	0.0478	mg/L	0.0478	mg/L	16:22:35
2	Y 371.029	2558784.7	2558784.7	1.03	mg/L			16:23:04
2	Ag 328.068†	31000.5	28625.5	0.2423	mg/L	0.2423	mg/L	16:23:06
2	Al 237.313†	19829.8	19323.5	2.492	mg/L	2.492	mg/L	16:23:06
2	As 188.979†	394.2	378.6	0.4742	mg/L	0.4742	mg/L	16:23:16
2	B 182.528†	246.9	236.4	0.4667	mg/L	0.4667	mg/L	16:23:16
2	Ba 233.527†	36203.1	35100.4	0.4836	mg/L	0.4836	mg/L	16:23:06
2	Be 313.107†	86351.1	84107.2	0.0501	mg/L	0.0501	mg/L	16:23:06
2	Ca 315.887†	540735.3	523301.6	4.916	mg/L	4.916	mg/L	16:23:04
2	Cd 228.802†	7441.9	7141.2	0.2509	mg/L	0.2509	mg/L	16:23:16
2	Co 228.616†	20517.2	19926.4	0.4969	mg/L	0.4969	mg/L	16:23:06
2	Cr 267.716†	46261.8	44374.9	0.4861	mg/L	0.4861	mg/L	16:23:06
2	Cu 324.752†	92926.5	88723.4	0.4967	mg/L	0.4967	mg/L	16:23:06
2	Fe 238.204†	301189.3	291406.6	2.452	mg/L	2.452	mg/L	16:23:06
2	Mg 279.077†	58561.8	56555.3	4.952	mg/L	4.952	mg/L	16:23:06
2	Mn 257.610†	296461.7	285818.6	0.5026	mg/L	0.5026	mg/L	16:23:06
2	Mo 202.031†	9584.3	9250.9	0.4918	mg/L	0.4918	mg/L	16:23:16
2	Ni 231.604†	14383.4	13942.5	0.4911	mg/L	0.4911	mg/L	16:23:06
2	P 214.914†	8657.1	8037.8	4.803	mg/L	4.803	mg/L	16:23:16

2	Pb 220.353†	5915.8	5668.6	0.4836 mg/L	0.4836 mg/L	16:23:16
2	Sb 206.836†	610.6	554.3	0.4650 mg/L	0.4650 mg/L	16:23:16
2	Se 196.026†	1043.1	1009.6	0.9787 mg/L	0.9787 mg/L	16:23:16
2	Sn 189.927†	2330.1	2252.7	0.5140 mg/L	0.5140 mg/L	16:23:16
2	Ti 337.279†	360824.9	349752.0	0.4929 mg/L	0.4929 mg/L	16:23:06
2	Tl 190.801†	747.8	721.9	0.4947 mg/L	0.4947 mg/L	16:23:16
2	V 292.402†	81596.3	79671.6	0.5026 mg/L	0.5026 mg/L	16:23:06
2	Zn 213.857†	49126.7	46755.5	0.4980 mg/L	0.4980 mg/L	16:23:06

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2382572.0	0.962 mg/L		0.1006			10.46%
Ag 328.068†	31610.6	0.2677 mg/L		0.03595	0.2677 mg/L	0.03595	13.43%
QC value within limits for Ag 328.068			Recovery =	107.09%			
Al 237.313†	21122.0	2.725 mg/L		0.3291	2.725 mg/L	0.3291	12.08%
QC value within limits for Al 237.313			Recovery =	108.99%			
As 188.979†	402.8	0.5044 mg/L		0.04262	0.5044 mg/L	0.04262	8.45%
QC value within limits for As 188.979			Recovery =	100.87%			
B 182.528†	255.4	0.5038 mg/L		0.05245	0.5038 mg/L	0.05245	10.41%
QC value within limits for B 182.528			Recovery =	100.76%			
B 249.677†	896.8	0.5237 mg/L		0.05424	0.5237 mg/L	0.05424	10.36%
QC value within limits for B 249.677			Recovery =	104.73%			
Ba 233.527†	38712.7	0.5335 mg/L		0.07066	0.5335 mg/L	0.07066	13.24%
QC value within limits for Ba 233.527			Recovery =	106.70%			
Be 313.107†	92644.2	0.0552 mg/L		0.00722	0.0552 mg/L	0.00722	13.07%
QC value greater than the upper limit for Be 313.107			Recovery =	110.45%			
Ca 315.887†	571691.9	5.372 mg/L		0.6451	5.372 mg/L	0.6451	12.01%
QC value within limits for Ca 315.887			Recovery =	107.44%			
Cd 228.802†	7677.6	0.2697 mg/L		0.02668	0.2697 mg/L	0.02668	9.89%
QC value within limits for Cd 228.802			Recovery =	107.89%			
Co 228.616†	21907.9	0.5466 mg/L		0.07025	0.5466 mg/L	0.07025	12.85%
QC value within limits for Co 228.616			Recovery =	109.31%			
Cr 267.716†	48964.4	0.5367 mg/L		0.07154	0.5367 mg/L	0.07154	13.33%
QC value within limits for Cr 267.716			Recovery =	107.33%			
Cu 324.752†	97815.0	0.5479 mg/L		0.07246	0.5479 mg/L	0.07246	13.22%
QC value within limits for Cu 324.752			Recovery =	109.58%			
Fe 234.349†	3168.0	2.722 mg/L		0.2874	2.722 mg/L	0.2874	10.56%
QC value within limits for Fe 234.349			Recovery =	108.86%			
Fe 238.204†	321484.2	2.706 mg/L		0.3596	2.706 mg/L	0.3596	13.29%
QC value within limits for Fe 238.204			Recovery =	108.25%			
K 766.490†	47542.4	25.77 mg/L		2.808	25.77 mg/L	2.808	10.90%
QC value within limits for K 766.490			Recovery =	103.07%			
Li 670.784†	17117.2	0.5293 mg/L		0.05959	0.5293 mg/L	0.05959	11.26%
QC value within limits for Li 670.784			Recovery =	105.86%			
Mg 279.077†	62285.0	5.457 mg/L		0.7149	5.457 mg/L	0.7149	13.10%
QC value within limits for Mg 279.077			Recovery =	109.15%			
Mn 257.610†	315361.8	0.5548 mg/L		0.07389	0.5548 mg/L	0.07389	13.32%
QC value greater than the upper limit for Mn 257.610			Recovery =	110.97%			
Mo 202.031†	9959.8	0.5295 mg/L		0.05331	0.5295 mg/L	0.05331	10.07%
QC value within limits for Mo 202.031			Recovery =	105.91%			
Na 589.592†	158421.0	26.01 mg/L		2.838	26.01 mg/L	2.838	10.91%
QC value within limits for Na 589.592			Recovery =	104.06%			
Ni 231.604†	15363.9	0.5415 mg/L		0.07132	0.5415 mg/L	0.07132	13.17%
QC value within limits for Ni 231.604			Recovery =	108.30%			
P 214.914†	8639.0	5.160 mg/L		0.5048	5.160 mg/L	0.5048	9.78%
QC value within limits for P 214.914			Recovery =	103.20%			
Pb 220.353†	6119.0	0.5223 mg/L		0.05473	0.5223 mg/L	0.05473	10.48%
QC value within limits for Pb 220.353			Recovery =	104.47%			
Sb 206.836†	606.6	0.5090 mg/L		0.06219	0.5090 mg/L	0.06219	12.22%
QC value within limits for Sb 206.836			Recovery =	101.80%			
Se 196.026†	1083.8	1.051 mg/L		0.1018	1.051 mg/L	0.1018	9.69%
QC value within limits for Se 196.026			Recovery =	105.06%			
Sn 189.927†	2417.0	0.5518 mg/L		0.05337	0.5518 mg/L	0.05337	9.67%
QC value greater than the upper limit for Sn 189.927			Recovery =	110.35%			
Sr 407.771†	48950.6	0.0518 mg/L		0.00572	0.0518 mg/L	0.00572	11.03%
QC value within limits for Sr 407.771			Recovery =	103.61%			
Ti 337.279†	385730.6	0.5438 mg/L		0.07200	0.5438 mg/L	0.07200	13.24%
QC value within limits for Ti 337.279			Recovery =	108.75%			
Tl 190.801†	775.7	0.5318 mg/L		0.05240	0.5318 mg/L	0.05240	9.85%
QC value within limits for Tl 190.801			Recovery =	106.35%			
V 292.402†	87767.6	0.5538 mg/L		0.07243	0.5538 mg/L	0.07243	13.08%

QC value greater than the upper limit for V 292.402 Recovery = 110.76%
 Zn 213.857† 51540.1 0.5491 mg/L 0.07223 0.5491 mg/L 0.07223 13.15%
 QC value within limits for Zn 213.857 Recovery = 109.81%
 QC Failed. Continue with analysis.

Sequence No.: 14 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/6/2012 4:24:54 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	2.3	-1.9	0.0015	mg/L	0.0015	mg/L	16:26:54
1	Fe 234.349†	-4.3	1.6	0.0199	mg/L	0.0199	mg/L	16:26:54
1	K 766.490†	178.5	4.9	0.1999	mg/L	0.1999	mg/L	16:26:44
1	Li 670.784†	-176.3	3.9	0.0007	mg/L	0.0007	mg/L	16:26:44
1	Na 589.592†	-46.6	-196.0	0.0692	mg/L	0.0692	mg/L	16:26:44
1	Sr 407.771†	146.6	11.7	0.0005	mg/L	0.0005	mg/L	16:26:44
1	Y 371.029	2546199.6	2546199.6	1.03	mg/L			16:27:18
1	Ag 328.068†	1238.0	-179.9	-0.0031	mg/L	-0.0031	mg/L	16:27:21
1	Al 237.313†	-132.8	-1.7	-0.0080	mg/L	-0.0080	mg/L	16:27:31
1	As 188.979†	0.6	-2.4	-0.0014	mg/L	-0.0014	mg/L	16:27:31
1	B 182.528†	-0.6	-3.2	-0.0009	mg/L	-0.0009	mg/L	16:27:31
1	Ba 233.527†	-38.8	16.7	-0.0017	mg/L	-0.0017	mg/L	16:27:31
1	Be 313.107†	-480.3	48.6	-0.0001	mg/L	-0.0001	mg/L	16:27:21
1	Ca 315.887†	482.8	318.0	-0.0132	mg/L	-0.0132	mg/L	16:27:21
1	Cd 228.802†	61.3	-3.2	-0.0001	mg/L	-0.0001	mg/L	16:27:31
1	Co 228.616†	-52.6	13.7	-0.0024	mg/L	-0.0024	mg/L	16:27:31
1	Cr 267.716†	402.9	-16.5	-0.0034	mg/L	-0.0034	mg/L	16:27:21
1	Cu 324.752†	1900.4	615.6	0.0001	mg/L	0.0001	mg/L	16:27:21
1	Fe 238.204†	562.1	390.1	-0.0084	mg/L	-0.0084	mg/L	16:27:31
1	Mg 279.077†	172.6	33.0	-0.0349	mg/L	-0.0349	mg/L	16:27:21
1	Mn 257.610†	449.3	-731.2	-0.0042	mg/L	-0.0042	mg/L	16:27:31
1	Mo 202.031†	16.8	-10.7	-0.0008	mg/L	-0.0008	mg/L	16:27:31
1	Ni 231.604†	-23.2	-3.8	-0.0039	mg/L	-0.0039	mg/L	16:27:31
1	P 214.914†	352.0	-0.3	0.0276	mg/L	0.0276	mg/L	16:27:31
1	Pb 220.353†	62.0	2.2	-0.0037	mg/L	-0.0037	mg/L	16:27:31
1	Sb 206.836†	39.7	1.8	0.0003	mg/L	0.0003	mg/L	16:27:31
1	Se 196.026†	4.2	4.0	0.0024	mg/L	0.0024	mg/L	16:27:31
1	Sn 189.927†	1.7	-1.2	-0.0029	mg/L	-0.0029	mg/L	16:27:31
1	Ti 337.279†	-191.0	273.3	-0.0017	mg/L	-0.0017	mg/L	16:27:21
1	Tl 190.801†	3.7	1.6	-0.0034	mg/L	-0.0034	mg/L	16:27:31
1	V 292.402†	-573.7	125.0	-0.0014	mg/L	-0.0014	mg/L	16:27:21
1	Zn 213.857†	948.1	121.2	0.0002	mg/L	0.0002	mg/L	16:27:31
2	B 249.677†	3.1	-1.1	0.0020	mg/L	0.0020	mg/L	16:27:15
2	Fe 234.349†	-4.3	1.6	0.0199	mg/L	0.0199	mg/L	16:27:15
2	K 766.490†	199.0	25.0	0.2106	mg/L	0.2106	mg/L	16:27:05
2	Li 670.784†	-173.4	6.8	0.0008	mg/L	0.0008	mg/L	16:27:05
2	Na 589.592†	-32.4	-182.1	0.0715	mg/L	0.0715	mg/L	16:27:05
2	Sr 407.771†	132.0	-2.5	0.0005	mg/L	0.0005	mg/L	16:27:05
2	Y 371.029	2545501.5	2545501.5	1.03	mg/L			16:27:33
2	Ag 328.068†	1220.3	-196.8	-0.0032	mg/L	-0.0032	mg/L	16:27:35
2	Al 237.313†	-91.8	38.2	-0.0029	mg/L	-0.0029	mg/L	16:27:46
2	As 188.979†	1.1	-1.9	-0.0008	mg/L	-0.0008	mg/L	16:27:46
2	B 182.528†	2.1	-0.6	0.0042	mg/L	0.0042	mg/L	16:27:46
2	Ba 233.527†	-44.3	11.3	-0.0017	mg/L	-0.0017	mg/L	16:27:46
2	Be 313.107†	-479.5	49.2	-0.0001	mg/L	-0.0001	mg/L	16:27:35
2	Ca 315.887†	346.9	185.8	-0.0145	mg/L	-0.0145	mg/L	16:27:35
2	Cd 228.802†	69.4	4.7	0.0001	mg/L	0.0001	mg/L	16:27:46
2	Co 228.616†	-53.6	12.7	-0.0024	mg/L	-0.0024	mg/L	16:27:46
2	Cr 267.716†	409.6	-9.8	-0.0033	mg/L	-0.0033	mg/L	16:27:35
2	Cu 324.752†	1776.2	495.1	-0.0005	mg/L	-0.0005	mg/L	16:27:35
2	Fe 238.204†	512.3	341.8	-0.0088	mg/L	-0.0088	mg/L	16:27:46
2	Mg 279.077†	166.8	27.4	-0.0354	mg/L	-0.0354	mg/L	16:27:35
2	Mn 257.610†	458.0	-722.6	-0.0042	mg/L	-0.0042	mg/L	16:27:46
2	Mo 202.031†	27.1	-0.7	-0.0003	mg/L	-0.0003	mg/L	16:27:46
2	Ni 231.604†	-18.1	1.1	-0.0037	mg/L	-0.0037	mg/L	16:27:46
2	P 214.914†	354.5	2.2	0.0291	mg/L	0.0291	mg/L	16:27:46
2	Pb 220.353†	61.2	1.4	-0.0038	mg/L	-0.0038	mg/L	16:27:46

2	Sb 206.836†	34.1	-3.6	-0.0042 mg/L	-0.0042 mg/L	16:27:46
2	Se 196.026†	2.6	2.5	0.0009 mg/L	0.0009 mg/L	16:27:46
2	Sn 189.927†	4.8	1.8	-0.0022 mg/L	-0.0022 mg/L	16:27:46
2	Ti 337.279†	89.2	546.0	-0.0013 mg/L	-0.0013 mg/L	16:27:35
2	Tl 190.801†	3.8	1.7	-0.0033 mg/L	-0.0033 mg/L	16:27:46
2	V 292.402†	-561.3	136.8	-0.0013 mg/L	-0.0013 mg/L	16:27:35
2	Zn 213.857†	943.8	117.3	0.0002 mg/L	0.0002 mg/L	16:27:46

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2545850.5	1.03 mg/L	0.000			0.02%
Ag 328.068†	-188.3	-0.0031 mg/L	0.00010	-0.0031 mg/L	0.00010	3.25%
QC value	less than the lower limit for Ag 328.068			Recovery = Not calculated		
Al 237.313†	18.3	-0.0054 mg/L	0.00364	-0.0054 mg/L	0.00364	67.00%
QC value	within limits for Al 237.313			Recovery = Not calculated		
As 188.979†	-2.2	-0.0011 mg/L	0.00045	-0.0011 mg/L	0.00045	40.87%
QC value	within limits for As 188.979			Recovery = Not calculated		
B 182.528†	-1.9	0.0016 mg/L	0.00361	0.0016 mg/L	0.00361	222.13%
QC value	within limits for B 182.528			Recovery = Not calculated		
B 249.677†	-1.5	0.0018 mg/L	0.00033	0.0018 mg/L	0.00033	18.77%
QC value	within limits for B 249.677			Recovery = Not calculated		
Ba 233.527†	14.0	-0.0017 mg/L	0.00005	-0.0017 mg/L	0.00005	3.09%
QC value	within limits for Ba 233.527			Recovery = Not calculated		
Be 313.107†	48.9	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	0.21%
QC value	within limits for Be 313.107			Recovery = Not calculated		
Ca 315.887†	251.9	-0.0139 mg/L	0.00088	-0.0139 mg/L	0.00088	6.36%
QC value	within limits for Ca 315.887			Recovery = Not calculated		
Cd 228.802†	0.8	0.0000 mg/L	0.00020	0.0000 mg/L	0.00020	>999.9%
QC value	within limits for Cd 228.802			Recovery = Not calculated		
Co 228.616†	13.2	-0.0024 mg/L	0.00002	-0.0024 mg/L	0.00002	0.73%
QC value	less than the lower limit for Co 228.616			Recovery = Not calculated		
Cr 267.716†	-13.1	-0.0034 mg/L	0.00005	-0.0034 mg/L	0.00005	1.57%
QC value	within limits for Cr 267.716			Recovery = Not calculated		
Cu 324.752†	555.3	-0.0002 mg/L	0.00048	-0.0002 mg/L	0.00048	243.50%
QC value	within limits for Cu 324.752			Recovery = Not calculated		
Fe 234.349†	1.6	0.0199 mg/L	0.00000	0.0199 mg/L	0.00000	0.01%
QC value	greater than the upper limit for Fe 234.349			Recovery = Not calculated		
Fe 238.204†	365.9	-0.0086 mg/L	0.00029	-0.0086 mg/L	0.00029	3.35%
QC value	within limits for Fe 238.204			Recovery = Not calculated		
K 766.490†	14.9	0.2052 mg/L	0.00762	0.2052 mg/L	0.00762	3.71%
QC value	greater than the upper limit for K 766.490			Recovery = Not calculated		
Li 670.784†	5.3	0.0007 mg/L	0.00006	0.0007 mg/L	0.00006	8.30%
QC value	within limits for Li 670.784			Recovery = Not calculated		
Mg 279.077†	30.2	-0.0351 mg/L	0.00035	-0.0351 mg/L	0.00035	0.99%
QC value	less than the lower limit for Mg 279.077			Recovery = Not calculated		
Mn 257.610†	-726.9	-0.0042 mg/L	0.00001	-0.0042 mg/L	0.00001	0.26%
QC value	less than the lower limit for Mn 257.610			Recovery = Not calculated		
Mo 202.031†	-5.7	-0.0005 mg/L	0.00038	-0.0005 mg/L	0.00038	69.13%
QC value	within limits for Mo 202.031			Recovery = Not calculated		
Na 589.592†	-189.1	0.0704 mg/L	0.00160	0.0704 mg/L	0.00160	2.27%
QC value	within limits for Na 589.592			Recovery = Not calculated		
Ni 231.604†	-1.3	-0.0038 mg/L	0.00012	-0.0038 mg/L	0.00012	3.25%
QC value	less than the lower limit for Ni 231.604			Recovery = Not calculated		
P 214.914†	0.9	0.0284 mg/L	0.00107	0.0284 mg/L	0.00107	3.77%
QC value	greater than the upper limit for P 214.914			Recovery = Not calculated		
Pb 220.353†	1.8	-0.0037 mg/L	0.00005	-0.0037 mg/L	0.00005	1.28%
QC value	within limits for Pb 220.353			Recovery = Not calculated		
Sb 206.836†	-0.9	-0.0019 mg/L	0.00319	-0.0019 mg/L	0.00319	164.32%
QC value	within limits for Sb 206.836			Recovery = Not calculated		
Se 196.026†	3.2	0.0016 mg/L	0.00108	0.0016 mg/L	0.00108	65.68%
QC value	within limits for Se 196.026			Recovery = Not calculated		
Sn 189.927†	0.3	-0.0026 mg/L	0.00049	-0.0026 mg/L	0.00049	19.18%
QC value	within limits for Sn 189.927			Recovery = Not calculated		
Sr 407.771†	4.6	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	2.29%
QC value	within limits for Sr 407.771			Recovery = Not calculated		
Ti 337.279†	409.6	-0.0015 mg/L	0.00027	-0.0015 mg/L	0.00027	18.48%
QC value	less than the lower limit for Ti 337.279			Recovery = Not calculated		
Tl 190.801†	1.6	-0.0033 mg/L	0.00005	-0.0033 mg/L	0.00005	1.45%
QC value	within limits for Tl 190.801			Recovery = Not calculated		
V 292.402†	130.9	-0.0013 mg/L	0.00006	-0.0013 mg/L	0.00006	4.11%
QC value	less than the lower limit for V 292.402			Recovery = Not calculated		

Zn 213.857† 119.2 0.0002 mg/L 0.00003 0.0002 mg/L 0.00003 14.45%

QC value within limits for Zn 213.857 Recovery= Not calculated

QC Failed. Continue with analysis.

User canceled analysis.

=====
Analysis Begun

Start Time: 10/6/2012 4:29:01 PM

Plasma On Time: 10/6/2012 11:46:03 AM

Logged In Analyst: ICP3

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\100612NA.sif

Batch ID:

Results Data Set: 100612NADREP

Results Library: C:\pe\ICP3\Results\Results.mdb

=====
Sequence No.: 13

Autosampler Location: 3

Sample ID: CCV1

Date Collected: 10/6/2012 4:29:01 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

=====
Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	891.7	869.4	0.5078	mg/L	0.5078	mg/L	16:30:51
1	Fe 234.349†	3159.1	3100.7	2.665	mg/L	2.665	mg/L	16:30:51
1	K 766.490†	47281.1	46153.0	25.02	mg/L	25.02	mg/L	16:30:41
1	Li 670.784†	16676.2	16513.3	0.5107	mg/L	0.5107	mg/L	16:30:41
1	Na 589.592†	156422.6	153097.9	25.14	mg/L	25.14	mg/L	16:30:41
1	Sr 407.771†	49147.1	48018.9	0.0508	mg/L	0.0508	mg/L	16:30:41
1	Y 371.029	2528309.2	2528309.2	1.02	mg/L			16:31:07
1	Ag 328.068†	31354.6	29334.1	0.2483	mg/L	0.2483	mg/L	16:31:10
1	Al 237.313†	19905.7	19629.3	2.532	mg/L	2.532	mg/L	16:31:10
1	As 188.979†	386.9	376.0	0.4711	mg/L	0.4711	mg/L	16:31:20
1	B 182.528†	255.0	247.2	0.4878	mg/L	0.4878	mg/L	16:31:20
1	Ba 233.527†	36878.6	36184.7	0.4986	mg/L	0.4986	mg/L	16:31:10
1	Be 313.107†	87756.1	86491.2	0.0515	mg/L	0.0515	mg/L	16:31:10
1	Ca 315.887†	542567.2	531405.9	4.992	mg/L	4.992	mg/L	16:31:07
1	Cd 228.802†	7512.3	7297.0	0.2564	mg/L	0.2564	mg/L	16:31:20
1	Co 228.616†	20902.9	20543.6	0.5124	mg/L	0.5124	mg/L	16:31:10
1	Cr 267.716†	46842.2	45483.4	0.4983	mg/L	0.4983	mg/L	16:31:10
1	Cu 324.752†	93897.5	90758.9	0.5081	mg/L	0.5081	mg/L	16:31:10
1	Fe 238.204†	306054.5	299687.5	2.522	mg/L	2.522	mg/L	16:31:10
1	Mg 279.077†	59515.1	58172.5	5.094	mg/L	5.094	mg/L	16:31:10
1	Mn 257.610†	301481.4	294195.6	0.5174	mg/L	0.5174	mg/L	16:31:10
1	Mo 202.031†	9660.4	9437.3	0.5017	mg/L	0.5017	mg/L	16:31:20
1	Ni 231.604†	14637.9	14359.6	0.5059	mg/L	0.5059	mg/L	16:31:10
1	P 214.914†	8752.4	8232.1	4.919	mg/L	4.919	mg/L	16:31:20
1	Pb 220.353†	6020.9	5840.6	0.4984	mg/L	0.4984	mg/L	16:31:20
1	Sb 206.836†	627.2	577.6	0.4846	mg/L	0.4846	mg/L	16:31:20
1	Se 196.026†	1054.6	1033.1	1.002	mg/L	1.002	mg/L	16:31:20
1	Sn 189.927†	2338.7	2288.4	0.5225	mg/L	0.5225	mg/L	16:31:20
1	Ti 337.279†	364728.5	357786.7	0.5042	mg/L	0.5042	mg/L	16:31:10
1	Tl 190.801†	747.8	730.6	0.5006	mg/L	0.5006	mg/L	16:31:20
1	V 292.402†	82720.8	81725.3	0.5155	mg/L	0.5155	mg/L	16:31:10
1	Zn 213.857†	49862.4	48049.5	0.5118	mg/L	0.5118	mg/L	16:31:10
2	B 249.677†	884.2	852.9	0.4982	mg/L	0.4982	mg/L	16:31:04
2	Fe 234.349†	3094.9	3006.0	2.584	mg/L	2.584	mg/L	16:31:04
2	K 766.490†	46953.5	45348.3	24.59	mg/L	24.59	mg/L	16:30:53
2	Li 670.784†	16744.5	16407.7	0.5074	mg/L	0.5074	mg/L	16:30:53
2	Na 589.592†	156221.1	151291.2	24.85	mg/L	24.85	mg/L	16:30:53
2	Sr 407.771†	48882.4	47255.9	0.0500	mg/L	0.0500	mg/L	16:30:53
2	Y 371.029	2555176.8	2555176.8	1.03	mg/L			16:31:22
2	Ag 328.068†	31319.1	28976.8	0.2453	mg/L	0.2453	mg/L	16:31:25
2	Al 237.313†	19983.4	19499.5	2.515	mg/L	2.515	mg/L	16:31:25
2	As 188.979†	397.0	381.9	0.4783	mg/L	0.4783	mg/L	16:31:35
2	B 182.528†	254.8	244.4	0.4823	mg/L	0.4823	mg/L	16:31:35
2	Ba 233.527†	37143.9	36061.9	0.4969	mg/L	0.4969	mg/L	16:31:25
2	Be 313.107†	88060.2	85882.0	0.0512	mg/L	0.0512	mg/L	16:31:25

2	Ca	315.887†	552443.7	535391.0	5.030 mg/L	5.030 mg/L	16:31:22
2	Cd	228.802†	7543.9	7250.2	0.2547 mg/L	0.2547 mg/L	16:31:35
2	Co	228.616†	20881.3	20307.3	0.5064 mg/L	0.5064 mg/L	16:31:25
2	Cr	267.716†	47033.4	45186.1	0.4950 mg/L	0.4950 mg/L	16:31:25
2	Cu	324.752†	93814.5	89711.2	0.5022 mg/L	0.5022 mg/L	16:31:25
2	Fe	238.204†	307783.7	298210.9	2.509 mg/L	2.509 mg/L	16:31:25
2	Mg	279.077†	59915.3	57947.3	5.075 mg/L	5.075 mg/L	16:31:25
2	Mn	257.610†	303009.2	292571.0	0.5145 mg/L	0.5145 mg/L	16:31:25
2	Mo	202.031†	9697.3	9373.5	0.4984 mg/L	0.4984 mg/L	16:31:35
2	Ni	231.604†	14761.8	14329.0	0.5048 mg/L	0.5048 mg/L	16:31:25
2	P	214.914†	8784.1	8172.7	4.884 mg/L	4.884 mg/L	16:31:35
2	Pb	220.353†	6009.7	5767.7	0.4922 mg/L	0.4922 mg/L	16:31:35
2	Sb	206.836†	627.5	571.5	0.4795 mg/L	0.4795 mg/L	16:31:35
2	Se	196.026†	1056.9	1024.5	0.9931 mg/L	0.9931 mg/L	16:31:35
2	Sn	189.927†	2360.0	2285.0	0.5215 mg/L	0.5215 mg/L	16:31:35
2	Ti	337.279†	365018.8	354310.9	0.4993 mg/L	0.4993 mg/L	16:31:25
2	Tl	190.801†	749.1	724.2	0.4962 mg/L	0.4962 mg/L	16:31:35
2	V	292.402†	82859.5	81007.6	0.5110 mg/L	0.5110 mg/L	16:31:25
2	Zn	213.857†	50100.7	47766.8	0.5088 mg/L	0.5088 mg/L	16:31:25

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2541743.0	1.03 mg/L	0.008			0.75%
Ag 328.068†	29155.4	0.2468 mg/L	0.00215	0.2468 mg/L	0.00215	0.87%
	QC value within limits for Ag 328.068 Recovery = 98.73%					
Al 237.313†	19564.4	2.523 mg/L	0.0119	2.523 mg/L	0.0119	0.47%
	QC value within limits for Al 237.313 Recovery = 100.93%					
As 188.979†	379.0	0.4747 mg/L	0.00514	0.4747 mg/L	0.00514	1.08%
	QC value within limits for As 188.979 Recovery = 94.94%					
B 182.528†	245.8	0.4850 mg/L	0.00388	0.4850 mg/L	0.00388	0.80%
	QC value within limits for B 182.528 Recovery = 97.01%					
B 249.677†	861.2	0.5030 mg/L	0.00678	0.5030 mg/L	0.00678	1.35%
	QC value within limits for B 249.677 Recovery = 100.60%					
Ba 233.527†	36123.3	0.4977 mg/L	0.00120	0.4977 mg/L	0.00120	0.24%
	QC value within limits for Ba 233.527 Recovery = 99.54%					
Be 313.107†	86186.6	0.0514 mg/L	0.00026	0.0514 mg/L	0.00026	0.50%
	QC value within limits for Be 313.107 Recovery = 102.73%					
Ca 315.887†	533398.4	5.011 mg/L	0.0265	5.011 mg/L	0.0265	0.53%
	QC value within limits for Ca 315.887 Recovery = 100.22%					
Cd 228.802†	7273.6	0.2556 mg/L	0.00119	0.2556 mg/L	0.00119	0.47%
	QC value within limits for Cd 228.802 Recovery = 102.22%					
Co 228.616†	20425.5	0.5094 mg/L	0.00419	0.5094 mg/L	0.00419	0.82%
	QC value within limits for Co 228.616 Recovery = 101.88%					
Cr 267.716†	45334.7	0.4967 mg/L	0.00232	0.4967 mg/L	0.00232	0.47%
	QC value within limits for Cr 267.716 Recovery = 99.33%					
Cu 324.752†	90235.1	0.5052 mg/L	0.00417	0.5052 mg/L	0.00417	0.83%
	QC value within limits for Cu 324.752 Recovery = 101.04%					
Fe 234.349†	3053.4	2.624 mg/L	0.0574	2.624 mg/L	0.0574	2.19%
	QC value within limits for Fe 234.349 Recovery = 104.97%					
Fe 238.204†	298949.2	2.516 mg/L	0.0088	2.516 mg/L	0.0088	0.35%
	QC value within limits for Fe 238.204 Recovery = 100.63%					
K 766.490†	45750.6	24.80 mg/L	0.306	24.80 mg/L	0.306	1.23%
	QC value within limits for K 766.490 Recovery = 99.22%					
Li 670.784†	16460.5	0.5090 mg/L	0.00231	0.5090 mg/L	0.00231	0.45%
	QC value within limits for Li 670.784 Recovery = 101.81%					
Mg 279.077†	58059.9	5.085 mg/L	0.0140	5.085 mg/L	0.0140	0.28%
	QC value within limits for Mg 279.077 Recovery = 101.69%					
Mn 257.610†	293383.3	0.5160 mg/L	0.00203	0.5160 mg/L	0.00203	0.39%
	QC value within limits for Mn 257.610 Recovery = 103.20%					
Mo 202.031†	9405.4	0.5000 mg/L	0.00238	0.5000 mg/L	0.00238	0.48%
	QC value within limits for Mo 202.031 Recovery = 100.01%					
Na 589.592†	152194.6	25.00 mg/L	0.209	25.00 mg/L	0.209	0.84%
	QC value within limits for Na 589.592 Recovery = 99.99%					
Ni 231.604†	14344.3	0.5053 mg/L	0.00077	0.5053 mg/L	0.00077	0.15%
	QC value within limits for Ni 231.604 Recovery = 101.07%					
P 214.914†	8202.4	4.901 mg/L	0.0250	4.901 mg/L	0.0250	0.51%
	QC value within limits for P 214.914 Recovery = 98.02%					
Pb 220.353†	5804.2	0.4953 mg/L	0.00444	0.4953 mg/L	0.00444	0.90%
	QC value within limits for Pb 220.353 Recovery = 99.06%					
Sb 206.836†	574.6	0.4821 mg/L	0.00361	0.4821 mg/L	0.00361	0.75%
	QC value within limits for Sb 206.836 Recovery = 96.41%					

Se 196.026† 1028.8 0.9973 mg/L 0.00595 0.9973 mg/L 0.00595 0.60%
 QC value within limits for Se 196.026 Recovery = 99.73%
 Sn 189.927† 2286.7 0.5220 mg/L 0.00071 0.5220 mg/L 0.00071 0.14%
 QC value within limits for Sn 189.927 Recovery = 104.40%
 Sr 407.771† 47637.4 0.0504 mg/L 0.00057 0.0504 mg/L 0.00057 1.12%
 QC value within limits for Sr 407.771 Recovery = 100.86%
 Ti 337.279† 356048.8 0.5018 mg/L 0.00348 0.5018 mg/L 0.00348 0.69%
 QC value within limits for Ti 337.279 Recovery = 100.35%
 Tl 190.801† 727.4 0.4984 mg/L 0.00312 0.4984 mg/L 0.00312 0.63%
 QC value within limits for Tl 190.801 Recovery = 99.68%
 V 292.402† 81366.5 0.5133 mg/L 0.00320 0.5133 mg/L 0.00320 0.62%
 QC value within limits for V 292.402 Recovery = 102.66%
 Zn 213.857† 47908.1 0.5103 mg/L 0.00214 0.5103 mg/L 0.00214 0.42%
 QC value within limits for Zn 213.857 Recovery = 102.06%
 All analyte(s) passed QC.

Sequence No.: 14 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/6/2012 4:33:13 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	7.7	3.3	0.0045 mg/L	0.0045 mg/L	16:35:12
1	Fe 234.349†	-4.9	1.1	0.0194 mg/L	0.0194 mg/L	16:35:12
1	K 766.490†	149.9	-24.3	0.1841 mg/L	0.1841 mg/L	16:35:02
1	Li 670.784†	-197.5	-14.9	0.0001 mg/L	0.0001 mg/L	16:35:02
1	Na 589.592†	9.4	-141.5	0.0781 mg/L	0.0781 mg/L	16:35:02
1	Sr 407.771†	131.7	-4.0	0.0005 mg/L	0.0005 mg/L	16:35:02
1	Y 371.029	2570419.3	2570419.3	1.04 mg/L		16:35:36
1	Ag 328.068†	1307.9	-123.8	-0.0026 mg/L	-0.0026 mg/L	16:35:39
1	Al 237.313†	-125.3	6.7	-0.0069 mg/L	-0.0069 mg/L	16:35:49
1	As 188.979†	-0.5	-3.5	-0.0027 mg/L	-0.0027 mg/L	16:35:49
1	B 182.528†	-1.0	-3.6	-0.0017 mg/L	-0.0017 mg/L	16:35:49
1	Ba 233.527†	-57.2	-0.7	-0.0019 mg/L	-0.0019 mg/L	16:35:49
1	Be 313.107†	-449.7	82.5	-0.0001 mg/L	-0.0001 mg/L	16:35:39
1	Ca 315.887†	346.8	182.5	-0.0145 mg/L	-0.0145 mg/L	16:35:39
1	Cd 228.802†	68.6	3.3	0.0001 mg/L	0.0001 mg/L	16:35:49
1	Co 228.616†	-52.1	14.6	-0.0024 mg/L	-0.0024 mg/L	16:35:49
1	Cr 267.716†	386.8	-35.6	-0.0036 mg/L	-0.0036 mg/L	16:35:39
1	Cu 324.752†	1733.7	437.4	-0.0009 mg/L	-0.0009 mg/L	16:35:39
1	Fe 238.204†	274.5	107.8	-0.0108 mg/L	-0.0108 mg/L	16:35:49
1	Mg 279.077†	152.4	12.0	-0.0368 mg/L	-0.0368 mg/L	16:35:39
1	Mn 257.610†	387.0	-795.3	-0.0043 mg/L	-0.0043 mg/L	16:35:49
1	Mo 202.031†	21.0	-6.9	-0.0006 mg/L	-0.0006 mg/L	16:35:49
1	Ni 231.604†	-25.8	-6.1	-0.0040 mg/L	-0.0040 mg/L	16:35:49
1	P 214.914†	365.3	9.3	0.0334 mg/L	0.0334 mg/L	16:35:49
1	Pb 220.353†	87.4	26.1	-0.0016 mg/L	-0.0016 mg/L	16:35:49
1	Sb 206.836†	37.6	-0.6	-0.0017 mg/L	-0.0017 mg/L	16:35:49
1	Se 196.026†	4.2	4.0	0.0024 mg/L	0.0024 mg/L	16:35:49
1	Sn 189.927†	20.8	17.2	0.0012 mg/L	0.0012 mg/L	16:35:49
1	Ti 337.279†	-233.2	234.4	-0.0017 mg/L	-0.0017 mg/L	16:35:39
1	Tl 190.801†	4.3	2.1	-0.0030 mg/L	-0.0030 mg/L	16:35:49
1	V 292.402†	-594.5	110.2	-0.0015 mg/L	-0.0015 mg/L	16:35:39
1	Zn 213.857†	935.9	100.7	0.0000 mg/L	0.0000 mg/L	16:35:49
2	B 249.677†	6.6	2.2	0.0039 mg/L	0.0039 mg/L	16:35:33
2	Fe 234.349†	-9.7	-3.6	0.0154 mg/L	0.0154 mg/L	16:35:33
2	K 766.490†	190.0	15.2	0.2054 mg/L	0.2054 mg/L	16:35:23
2	Li 670.784†	-170.3	10.5	0.0009 mg/L	0.0009 mg/L	16:35:23
2	Na 589.592†	-22.7	-172.6	0.0731 mg/L	0.0731 mg/L	16:35:23
2	Sr 407.771†	147.5	11.8	0.0005 mg/L	0.0005 mg/L	16:35:23
2	Y 371.029	2558599.7	2558599.7	1.03 mg/L		16:35:51
2	Ag 328.068†	1331.0	-95.7	-0.0023 mg/L	-0.0023 mg/L	16:35:53
2	Al 237.313†	-137.0	-5.1	-0.0085 mg/L	-0.0085 mg/L	16:36:04
2	As 188.979†	6.4	3.2	0.0056 mg/L	0.0056 mg/L	16:36:04
2	B 182.528†	7.5	4.7	0.0144 mg/L	0.0144 mg/L	16:36:04
2	Ba 233.527†	-42.5	13.3	-0.0017 mg/L	-0.0017 mg/L	16:36:04
2	Be 313.107†	-442.4	87.5	-0.0001 mg/L	-0.0001 mg/L	16:35:53
2	Ca 315.887†	323.9	161.8	-0.0147 mg/L	-0.0147 mg/L	16:35:53

2	Cd	228.802†	68.6	3.6	0.0001 mg/L	0.0001 mg/L	16:36:04
2	Co	228.616†	-53.6	13.0	-0.0024 mg/L	-0.0024 mg/L	16:36:04
2	Cr	267.716†	419.1	-2.6	-0.0032 mg/L	-0.0032 mg/L	16:35:53
2	Cu	324.752†	1721.3	433.1	-0.0009 mg/L	-0.0009 mg/L	16:35:53
2	Fe	238.204†	272.9	107.5	-0.0108 mg/L	-0.0108 mg/L	16:36:04
2	Mg	279.077†	128.6	-10.4	-0.0387 mg/L	-0.0387 mg/L	16:35:53
2	Mn	257.610†	378.1	-802.1	-0.0043 mg/L	-0.0043 mg/L	16:36:04
2	Mo	202.031†	9.8	-17.6	-0.0012 mg/L	-0.0012 mg/L	16:36:04
2	Ni	231.604†	-19.4	-0.0	-0.0038 mg/L	-0.0038 mg/L	16:36:04
2	P	214.914†	378.2	23.5	0.0418 mg/L	0.0418 mg/L	16:36:04
2	Pb	220.353†	64.8	4.6	-0.0035 mg/L	-0.0035 mg/L	16:36:04
2	Sb	206.836†	36.0	-2.0	-0.0028 mg/L	-0.0028 mg/L	16:36:04
2	Se	196.026†	4.3	4.1	0.0024 mg/L	0.0024 mg/L	16:36:04
2	Sn	189.927†	9.4	6.2	-0.0012 mg/L	-0.0012 mg/L	16:36:04
2	Ti	337.279†	-10.7	448.7	-0.0014 mg/L	-0.0014 mg/L	16:35:53
2	Tl	190.801†	5.1	2.9	-0.0024 mg/L	-0.0024 mg/L	16:36:04
2	V	292.402†	-722.4	-16.3	-0.0023 mg/L	-0.0023 mg/L	16:35:53
2	Zn	213.857†	949.5	118.1	0.0002 mg/L	0.0002 mg/L	16:36:04

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2564509.5	1.04 mg/L	0.003			0.33%
Ag 328.068†	-109.7	-0.0025 mg/L	0.00017	-0.0025 mg/L	0.00017	6.89%
QC value within limits for Ag 328.068						Recovery = Not calculated
Al 237.313†	0.8	-0.0077 mg/L	0.00108	-0.0077 mg/L	0.00108	14.02%
QC value within limits for Al 237.313						Recovery = Not calculated
As 188.979†	-0.2	0.0014 mg/L	0.00591	0.0014 mg/L	0.00591	412.55%
QC value within limits for As 188.979						Recovery = Not calculated
B 182.528†	0.5	0.0064 mg/L	0.01142	0.0064 mg/L	0.01142	179.70%
QC value within limits for B 182.528						Recovery = Not calculated
B 249.677†	2.8	0.0042 mg/L	0.00043	0.0042 mg/L	0.00043	10.24%
QC value within limits for B 249.677						Recovery = Not calculated
Ba 233.527†	6.3	-0.0018 mg/L	0.00014	-0.0018 mg/L	0.00014	7.57%
QC value within limits for Ba 233.527						Recovery = Not calculated
Be 313.107†	85.0	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	1.91%
QC value within limits for Be 313.107						Recovery = Not calculated
Ca 315.887†	172.2	-0.0146 mg/L	0.00014	-0.0146 mg/L	0.00014	0.96%
QC value within limits for Ca 315.887						Recovery = Not calculated
Cd 228.802†	3.5	0.0001 mg/L	0.00002	0.0001 mg/L	0.00002	21.43%
QC value within limits for Cd 228.802						Recovery = Not calculated
Co 228.616†	13.8	-0.0024 mg/L	0.00003	-0.0024 mg/L	0.00003	1.24%
QC value less than the lower limit for Co 228.616						Recovery = Not calculated
Cr 267.716†	-19.1	-0.0034 mg/L	0.00026	-0.0034 mg/L	0.00026	7.49%
QC value within limits for Cr 267.716						Recovery = Not calculated
Cu 324.752†	435.3	-0.0009 mg/L	0.00002	-0.0009 mg/L	0.00002	1.93%
QC value within limits for Cu 324.752						Recovery = Not calculated
Fe 234.349†	-1.3	0.0174 mg/L	0.00285	0.0174 mg/L	0.00285	16.40%
QC value greater than the upper limit for Fe 234.349						Recovery = Not calculated
Fe 238.204†	107.6	-0.0108 mg/L	0.00000	-0.0108 mg/L	0.00000	0.02%
QC value within limits for Fe 238.204						Recovery = Not calculated
K 766.490†	-4.5	0.1948 mg/L	0.01504	0.1948 mg/L	0.01504	7.72%
QC value greater than the upper limit for K 766.490						Recovery = Not calculated
Li 670.784†	-2.2	0.0005 mg/L	0.00056	0.0005 mg/L	0.00056	107.81%
QC value within limits for Li 670.784						Recovery = Not calculated
Mg 279.077†	0.8	-0.0377 mg/L	0.00140	-0.0377 mg/L	0.00140	3.70%
QC value less than the lower limit for Mg 279.077						Recovery = Not calculated
Mn 257.610†	-798.7	-0.0043 mg/L	0.00001	-0.0043 mg/L	0.00001	0.20%
QC value less than the lower limit for Mn 257.610						Recovery = Not calculated
Mo 202.031†	-12.3	-0.0009 mg/L	0.00040	-0.0009 mg/L	0.00040	45.12%
QC value within limits for Mo 202.031						Recovery = Not calculated
Na 589.592†	-157.0	0.0756 mg/L	0.00359	0.0756 mg/L	0.00359	4.75%
QC value within limits for Na 589.592						Recovery = Not calculated
Ni 231.604†	-3.0	-0.0039 mg/L	0.00015	-0.0039 mg/L	0.00015	3.87%
QC value less than the lower limit for Ni 231.604						Recovery = Not calculated
P 214.914†	16.4	0.0376 mg/L	0.00595	0.0376 mg/L	0.00595	15.83%
QC value greater than the upper limit for P 214.914						Recovery = Not calculated
Pb 220.353†	15.4	-0.0026 mg/L	0.00131	-0.0026 mg/L	0.00131	51.20%
QC value within limits for Pb 220.353						Recovery = Not calculated
Sb 206.836†	-1.3	-0.0023 mg/L	0.00084	-0.0023 mg/L	0.00084	37.54%
QC value within limits for Sb 206.836						Recovery = Not calculated
Se 196.026†	4.0	0.0024 mg/L	0.00006	0.0024 mg/L	0.00006	2.46%

QC value within limits for Se 196.026 Recovery = Not calculated
 Sn 189.927† 11.7 0.0000 mg/L 0.00176 0.0000 mg/L 0.00176 >999.9%
 QC value within limits for Sn 189.927 Recovery = Not calculated
 Sr 407.771† 3.9 0.0005 mg/L 0.00001 0.0005 mg/L 0.00001 2.56%
 QC value within limits for Sr 407.771 Recovery = Not calculated
 Ti 337.279† 341.6 -0.0016 mg/L 0.00021 -0.0016 mg/L 0.00021 13.64%
 QC value less than the lower limit for Ti 337.279 Recovery = Not calculated
 Tl 190.801† 2.5 -0.0027 mg/L 0.00041 -0.0027 mg/L 0.00041 15.31%
 QC value within limits for Tl 190.801 Recovery = Not calculated
 V 292.402† 46.9 -0.0019 mg/L 0.00056 -0.0019 mg/L 0.00056 29.91%
 QC value less than the lower limit for V 292.402 Recovery = Not calculated
 Zn 213.857† 109.4 0.0001 mg/L 0.00013 0.0001 mg/L 0.00013 130.10%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

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Sequence No.: 15	Autosampler Location: 19
Sample ID: 1210155-01	Date Collected: 10/6/2012 4:37:41 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210155-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	103.5	92.4	0.0563 mg/L		0.0563 mg/L	16:39:24
1	Fe 234.349†	179587.7	167491.3	143.5 mg/L		143.5 mg/L	16:39:22
1	K 766.490†	31102.4	28837.8	15.71 mg/L		15.71 mg/L	16:39:24
1	Li 670.784†	3117.8	3083.1	0.0958 mg/L		0.0958 mg/L	16:39:24
1	Na 589.592†	6829.9	6219.1	1.119 mg/L		1.119 mg/L	16:39:24
1	Sr 407.771†	230360.8	214706.2	0.2257 mg/L		0.2257 mg/L	16:39:22
1	Y 371.029	2655989.7	2655989.7	1.07 mg/L			16:39:38
1	Ag 328.068†	-25.4	-1407.9	-0.0024 mg/L		-0.0024 mg/L	16:39:40
1	Al 237.313†	683037.3	637135.8	82.25 mg/L		82.25 mg/L	16:39:38
1	As 188.979†	39.1	33.5	0.1033 mg/L		0.1033 mg/L	16:39:50
1	B 182.528†	27.6	23.1	0.0504 mg/L		0.0504 mg/L	16:39:50
1	Ba 233.527†	38886.1	36320.0	0.5006 mg/L		0.5006 mg/L	16:39:40
1	Be 313.107†	19956.7	19127.7	0.0113 mg/L		0.0113 mg/L	16:39:40
1	Ca 315.887†	5320085.1	4961419.7	46.72 mg/L		46.72 mg/L	16:39:38
1	Cd 228.802†	168.9	94.7	0.0031 mg/L		0.0031 mg/L	16:39:50
1	Co 228.616†	2086.8	2011.0	0.0405 mg/L		0.0405 mg/L	16:39:50
1	Cr 267.716†	11866.2	10658.2	0.1142 mg/L		0.1142 mg/L	16:39:40
1	Cu 324.752†	40351.9	36399.4	0.2046 mg/L		0.2046 mg/L	16:39:40
1	Fe 238.204†	15249914.7	14222086.1	120.2 mg/L		120.2 mg/L	16:39:34
1	Mg 279.077†	253410.4	236198.5	20.80 mg/L		20.80 mg/L	16:39:38
1	Mn 257.610†	1799647.0	1677202.9	2.963 mg/L		2.963 mg/L	16:39:38
1	Mo 202.031†	332.0	282.5	-0.0300 mg/L		-0.0300 mg/L	16:39:50
1	Ni 231.604†	2285.3	2150.1	0.0724 mg/L		0.0724 mg/L	16:39:50
1	P 214.914†	11928.1	10781.6	6.777 mg/L		6.777 mg/L	16:39:50
1	Pb 220.353†	8012.9	7414.8	0.6123 mg/L		0.6123 mg/L	16:39:50
1	Sb 206.836†	69.6	28.1	-0.0410 mg/L		-0.0410 mg/L	16:39:50
1	Se 196.026†	-44.0	-41.1	0.0198 mg/L		0.0198 mg/L	16:39:50
1	Sn 189.927†	-221.3	-209.2	0.3697 mg/L		0.3697 mg/L	16:39:50
1	Ti 337.279†	2821301.3	2631636.6	3.722 mg/L		3.722 mg/L	16:39:38
1	Tl 190.801†	12.4	9.6	-0.0851 mg/L		-0.0851 mg/L	16:39:50
1	V 292.402†	39942.1	37933.6	0.2061 mg/L		0.2061 mg/L	16:39:40
1	Zn 213.857†	78466.9	72377.9	0.7763 mg/L		0.7763 mg/L	16:39:40
2	B 249.677†	109.6	98.2	0.0597 mg/L		0.0597 mg/L	16:39:28
2	Fe 234.349†	180067.8	168283.1	144.2 mg/L		144.2 mg/L	16:39:26
2	K 766.490†	30707.3	28528.0	15.54 mg/L		15.54 mg/L	16:39:28
2	Li 670.784†	3141.3	3111.1	0.0967 mg/L		0.0967 mg/L	16:39:28
2	Na 589.592†	6810.1	6213.6	1.118 mg/L		1.118 mg/L	16:39:28
2	Sr 407.771†	230750.8	215510.8	0.2265 mg/L		0.2265 mg/L	16:39:26
2	Y 371.029	2650558.4	2650558.4	1.07 mg/L			16:39:57
2	Ag 328.068†	-60.7	-1440.9	-0.0026 mg/L		-0.0026 mg/L	16:40:00
2	Al 237.313†	679460.4	635098.4	81.99 mg/L		81.99 mg/L	16:39:57
2	As 188.979†	41.7	36.0	0.1067 mg/L		0.1067 mg/L	16:40:10
2	B 182.528†	37.2	32.2	0.0681 mg/L		0.0681 mg/L	16:40:10
2	Ba 233.527†	38726.3	36245.0	0.4995 mg/L		0.4995 mg/L	16:40:00
2	Be 313.107†	19803.8	19022.9	0.0112 mg/L		0.0112 mg/L	16:40:00
2	Ca 315.887†	5283110.7	4937033.1	46.49 mg/L		46.49 mg/L	16:39:57
2	Cd 228.802†	173.4	99.3	0.0033 mg/L		0.0033 mg/L	16:40:10

2	Co	228.616†	2062.5	1992.3	0.0400	mg/L	0.0400	mg/L	16:40:10
2	Cr	267.716†	11857.9	10673.1	0.1144	mg/L	0.1144	mg/L	16:40:00
2	Cu	324.752†	40123.0	36262.6	0.2038	mg/L	0.2038	mg/L	16:40:00
2	Fe	238.204†	15107092.6	14117758.3	119.3	mg/L	119.3	mg/L	16:39:54
2	Mg	279.077†	252058.6	235419.5	20.73	mg/L	20.73	mg/L	16:39:57
2	Mn	257.610†	1789504.0	1671163.2	2.952	mg/L	2.952	mg/L	16:39:57
2	Mo	202.031†	338.4	289.2	-0.0298	mg/L	-0.0298	mg/L	16:40:10
2	Ni	231.604†	2275.9	2145.7	0.0723	mg/L	0.0723	mg/L	16:40:10
2	P	214.914†	11916.2	10793.3	6.785	mg/L	6.785	mg/L	16:40:10
2	Pb	220.353†	8056.0	7470.4	0.6172	mg/L	0.6172	mg/L	16:40:10
2	Sb	206.836†	82.4	40.2	-0.0311	mg/L	-0.0311	mg/L	16:40:10
2	Se	196.026†	-39.6	-37.1	0.0240	mg/L	0.0240	mg/L	16:40:10
2	Sn	189.927†	-233.8	-221.4	0.3689	mg/L	0.3689	mg/L	16:40:10
2	Ti	337.279†	2810637.9	2627063.0	3.715	mg/L	3.715	mg/L	16:39:57
2	Tl	190.801†	18.6	15.4	-0.0815	mg/L	-0.0815	mg/L	16:40:10
2	V	292.402†	39920.1	37989.3	0.2063	mg/L	0.2063	mg/L	16:40:00
2	Zn	213.857†	78218.2	72295.5	0.7754	mg/L	0.7754	mg/L	16:40:00

Mean Data: 1210155-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2653274.1	1.07 mg/L	0.002			0.14%
Ag 328.068†	-1424.4	-0.0025 mg/L	0.00016	-0.0025 mg/L	0.00016	6.41%
Al 237.313†	636117.1	82.12 mg/L	0.186	82.12 mg/L	0.186	0.23%
As 188.979†	34.7	0.1050 mg/L	0.00236	0.1050 mg/L	0.00236	2.25%
B 182.528†	27.6	0.0592 mg/L	0.01252	0.0592 mg/L	0.01252	21.13%
B 249.677†	95.3	0.0580 mg/L	0.00241	0.0580 mg/L	0.00241	4.16%
Ba 233.527†	36282.5	0.5001 mg/L	0.00073	0.5001 mg/L	0.00073	0.15%
Be 313.107†	19075.3	0.0112 mg/L	0.00004	0.0112 mg/L	0.00004	0.39%
Ca 315.887†	4949226.4	46.61 mg/L	0.162	46.61 mg/L	0.162	0.35%
Cd 228.802†	97.0	0.0032 mg/L	0.00010	0.0032 mg/L	0.00010	3.26%
Co 228.616†	2001.7	0.0402 mg/L	0.00032	0.0402 mg/L	0.00032	0.80%
Cr 267.716†	10665.7	0.1143 mg/L	0.00012	0.1143 mg/L	0.00012	0.10%
Cu 324.752†	36331.0	0.2042 mg/L	0.00055	0.2042 mg/L	0.00055	0.27%
Fe 234.349†	167887.2	143.9 mg/L	0.48	143.9 mg/L	0.48	0.33%
Fe 238.204†	14169922.2	119.8 mg/L	0.62	119.8 mg/L	0.62	0.52%
K 766.490†	28682.9	15.62 mg/L	0.118	15.62 mg/L	0.118	0.75%
Li 670.784†	3097.1	0.0963 mg/L	0.00061	0.0963 mg/L	0.00061	0.63%
Mg 279.077†	235809.0	20.77 mg/L	0.049	20.77 mg/L	0.049	0.23%
Mn 257.610†	1674183.0	2.957 mg/L	0.0076	2.957 mg/L	0.0076	0.26%
Mo 202.031†	285.8	-0.0299 mg/L	0.00010	-0.0299 mg/L	0.00010	0.34%
Na 589.592†	6216.3	1.118 mg/L	0.0006	1.118 mg/L	0.0006	0.06%
Ni 231.604†	2147.9	0.0724 mg/L	0.00011	0.0724 mg/L	0.00011	0.15%
P 214.914†	10787.4	6.781 mg/L	0.0060	6.781 mg/L	0.0060	0.09%
Pb 220.353†	7442.6	0.6148 mg/L	0.00344	0.6148 mg/L	0.00344	0.56%
Sb 206.836†	34.2	-0.0361 mg/L	0.00701	-0.0361 mg/L	0.00701	19.43%
Se 196.026†	-39.1	0.0219 mg/L	0.00294	0.0219 mg/L	0.00294	13.42%
Sn 189.927†	-215.3	0.3693 mg/L	0.00054	0.3693 mg/L	0.00054	0.15%
Sr 407.771†	215108.5	0.2261 mg/L	0.00060	0.2261 mg/L	0.00060	0.26%
Ti 337.279†	2629349.8	3.719 mg/L	0.0046	3.719 mg/L	0.0046	0.12%
Tl 190.801†	12.5	-0.0833 mg/L	0.00260	-0.0833 mg/L	0.00260	3.12%
V 292.402†	37961.4	0.2062 mg/L	0.00016	0.2062 mg/L	0.00016	0.08%
Zn 213.857†	72336.7	0.7758 mg/L	0.00063	0.7758 mg/L	0.00063	0.08%

Sequence No.: 16

Sample ID: 1210140-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 20

Date Collected: 10/6/2012 4:41:49 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210140-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	56.9	49.0	0.0310 mg/L	0.0310 mg/L	16:43:40
1	Fe 234.349†	147691.3	138054.4	118.3 mg/L	118.3 mg/L	16:43:30
1	K 766.490†	29859.5	27741.3	15.12 mg/L	15.12 mg/L	16:43:30
1	Li 670.784†	3799.6	3727.0	0.1157 mg/L	0.1157 mg/L	16:43:40
1	Na 589.592†	5439.4	4933.7	0.9083 mg/L	0.9083 mg/L	16:43:40
1	Sr 407.771†	147792.1	138011.9	0.1452 mg/L	0.1452 mg/L	16:43:30
1	Y 371.029	2650024.4	2650024.4	1.07 mg/L		16:44:00

1	Ag	328.068†	213.8	-1184.4	-0.0025	mg/L	-0.0025	mg/L	16:44:03
1	Al	237.313†	707084.7	661047.0	85.34	mg/L	85.34	mg/L	16:44:00
1	As	188.979†	30.7	25.7	0.0831	mg/L	0.0831	mg/L	16:44:13
1	B	182.528†	22.0	17.9	0.0403	mg/L	0.0403	mg/L	16:44:13
1	Ba	233.527†	33714.2	31567.4	0.4348	mg/L	0.4348	mg/L	16:44:03
1	Be	313.107†	8368.4	8337.9	0.0048	mg/L	0.0048	mg/L	16:44:03
1	Ca	315.887†	3837527.0	3586825.5	33.77	mg/L	33.77	mg/L	16:43:58
1	Cd	228.802†	154.2	81.3	0.0027	mg/L	0.0027	mg/L	16:44:13
1	Co	228.616†	1837.4	1782.3	0.0331	mg/L	0.0331	mg/L	16:44:13
1	Cr	267.716†	9439.9	8415.2	0.0895	mg/L	0.0895	mg/L	16:44:03
1	Cu	324.752†	36987.3	33339.2	0.1880	mg/L	0.1880	mg/L	16:44:03
1	Fe	238.204†	13634319.5	12743986.6	107.7	mg/L	107.7	mg/L	16:43:58
1	Mg	279.077†	239666.8	223884.2	19.72	mg/L	19.72	mg/L	16:44:03
1	Mn	257.610†	1646843.0	1538153.4	2.717	mg/L	2.717	mg/L	16:44:00
1	Mo	202.031†	270.8	226.0	-0.0251	mg/L	-0.0251	mg/L	16:44:13
1	Ni	231.604†	2041.7	1927.2	0.0645	mg/L	0.0645	mg/L	16:44:13
1	P	214.914†	16721.2	15286.8	9.398	mg/L	9.398	mg/L	16:44:03
1	Pb	220.353†	7797.1	7229.9	0.5957	mg/L	0.5957	mg/L	16:44:13
1	Sb	206.836†	62.4	21.5	-0.0354	mg/L	-0.0354	mg/L	16:44:13
1	Se	196.026†	-40.3	-37.8	0.0123	mg/L	0.0123	mg/L	16:44:13
1	Sn	189.927†	-157.3	-149.9	0.3094	mg/L	0.3094	mg/L	16:44:13
1	Ti	337.279†	3421918.1	3198962.3	4.525	mg/L	4.525	mg/L	16:44:00
1	Tl	190.801†	10.7	8.0	-0.0729	mg/L	-0.0729	mg/L	16:44:13
1	V	292.402†	33355.5	31860.8	0.1720	mg/L	0.1720	mg/L	16:44:03
1	Zn	213.857†	69288.1	63963.1	0.6859	mg/L	0.6859	mg/L	16:44:03
2	B	249.677†	46.0	39.0	0.0252	mg/L	0.0252	mg/L	16:43:53
2	Fe	234.349†	147319.4	138186.9	118.4	mg/L	118.4	mg/L	16:43:43
2	K	766.490†	29780.7	27764.7	15.13	mg/L	15.13	mg/L	16:43:43
2	Li	670.784†	3875.1	3810.2	0.1183	mg/L	0.1183	mg/L	16:43:53
2	Na	589.592†	5423.8	4936.8	0.9088	mg/L	0.9088	mg/L	16:43:53
2	Sr	407.771†	147957.1	138648.4	0.1459	mg/L	0.1459	mg/L	16:43:43
2	Y	371.029	2640816.2	2640816.2	1.07	mg/L	1.07	mg/L	16:44:19
2	Ag	328.068†	200.1	-1196.6	-0.0025	mg/L	-0.0025	mg/L	16:44:21
2	Al	237.313†	705702.5	662055.2	85.47	mg/L	85.47	mg/L	16:44:19
2	As	188.979†	38.8	33.4	0.0927	mg/L	0.0927	mg/L	16:44:31
2	B	182.528†	18.9	15.1	0.0348	mg/L	0.0348	mg/L	16:44:31
2	Ba	233.527†	34407.5	32327.6	0.4453	mg/L	0.4453	mg/L	16:44:21
2	Be	313.107†	8530.0	8516.7	0.0049	mg/L	0.0049	mg/L	16:44:21
2	Ca	315.887†	3857508.8	3618075.2	34.07	mg/L	34.07	mg/L	16:44:16
2	Cd	228.802†	153.8	81.4	0.0026	mg/L	0.0026	mg/L	16:44:31
2	Co	228.616†	1844.1	1794.6	0.0334	mg/L	0.0334	mg/L	16:44:31
2	Cr	267.716†	9594.4	8590.9	0.0914	mg/L	0.0914	mg/L	16:44:21
2	Cu	324.752†	37626.0	34058.8	0.1920	mg/L	0.1920	mg/L	16:44:21
2	Fe	238.204†	13706769.1	12856379.7	108.6	mg/L	108.6	mg/L	16:44:16
2	Mg	279.077†	244082.3	228807.0	20.15	mg/L	20.15	mg/L	16:44:21
2	Mn	257.610†	1642666.0	1539603.0	2.719	mg/L	2.719	mg/L	16:44:19
2	Mo	202.031†	291.0	245.8	-0.0241	mg/L	-0.0241	mg/L	16:44:31
2	Ni	231.604†	2045.2	1937.1	0.0649	mg/L	0.0649	mg/L	16:44:31
2	P	214.914†	17045.6	15645.6	9.611	mg/L	9.611	mg/L	16:44:21
2	Pb	220.353†	7771.4	7231.2	0.5957	mg/L	0.5957	mg/L	16:44:31
2	Sb	206.836†	68.6	27.5	-0.0304	mg/L	-0.0304	mg/L	16:44:31
2	Se	196.026†	-44.1	-41.4	0.0088	mg/L	0.0088	mg/L	16:44:31
2	Sn	189.927†	-166.2	-158.7	0.3077	mg/L	0.3077	mg/L	16:44:31
2	Ti	337.279†	3417673.4	3206133.9	4.535	mg/L	4.535	mg/L	16:44:19
2	Tl	190.801†	18.8	15.7	-0.0677	mg/L	-0.0677	mg/L	16:44:31
2	V	292.402†	34079.0	32648.1	0.1769	mg/L	0.1769	mg/L	16:44:21
2	Zn	213.857†	70629.4	65447.1	0.7018	mg/L	0.7018	mg/L	16:44:21

Mean Data: 1210140-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2645420.3	1.07	mg/L	0.003				0.25%
Ag 328.068†	-1190.5	-0.0025	mg/L	0.00007	-0.0025	mg/L	0.00007	2.66%
Al 237.313†	661551.1	85.40	mg/L	0.092	85.40	mg/L	0.092	0.11%
As 188.979†	29.5	0.0879	mg/L	0.00682	0.0879	mg/L	0.00682	7.76%
B 182.528†	16.5	0.0375	mg/L	0.00392	0.0375	mg/L	0.00392	10.45%
B 249.677†	44.0	0.0281	mg/L	0.00411	0.0281	mg/L	0.00411	14.61%
Ba 233.527†	31947.5	0.4401	mg/L	0.00744	0.4401	mg/L	0.00744	1.69%
Be 313.107†	8427.3	0.0049	mg/L	0.00008	0.0049	mg/L	0.00008	1.55%
Ca 315.887†	3602450.4	33.92	mg/L	0.208	33.92	mg/L	0.208	0.61%
Cd 228.802†	81.3	0.0027	mg/L	0.00003	0.0027	mg/L	0.00003	1.03%
Co 228.616†	1788.5	0.0333	mg/L	0.00020	0.0333	mg/L	0.00020	0.61%

Cr 267.716†	8503.0	0.0904 mg/L	0.00137	0.0904 mg/L	0.00137	1.51%
Cu 324.752†	33699.0	0.1900 mg/L	0.00287	0.1900 mg/L	0.00287	1.51%
Fe 234.349†	138120.6	118.4 mg/L	0.08	118.4 mg/L	0.08	0.07%
Fe 238.204†	12800183.2	108.2 mg/L	0.67	108.2 mg/L	0.67	0.62%
K 766.490†	27753.0	15.12 mg/L	0.009	15.12 mg/L	0.009	0.06%
Li 670.784†	3768.6	0.1170 mg/L	0.00182	0.1170 mg/L	0.00182	1.55%
Mg 279.077†	226345.6	19.93 mg/L	0.307	19.93 mg/L	0.307	1.54%
Mn 257.610†	1538878.2	2.718 mg/L	0.0018	2.718 mg/L	0.0018	0.07%
Mo 202.031†	235.9	-0.0246 mg/L	0.00072	-0.0246 mg/L	0.00072	2.93%
Na 589.592†	4935.2	0.9086 mg/L	0.00036	0.9086 mg/L	0.00036	0.04%
Ni 231.604†	1932.1	0.0647 mg/L	0.00025	0.0647 mg/L	0.00025	0.39%
P 214.914†	15466.2	9.505 mg/L	0.1511	9.505 mg/L	0.1511	1.59%
Pb 220.353†	7230.6	0.5957 mg/L	0.00004	0.5957 mg/L	0.00004	0.01%
Sb 206.836†	24.5	-0.0329 mg/L	0.00354	-0.0329 mg/L	0.00354	10.77%
Se 196.026†	-39.6	0.0105 mg/L	0.00246	0.0105 mg/L	0.00246	23.36%
Sn 189.927†	-154.3	0.3085 mg/L	0.00118	0.3085 mg/L	0.00118	0.38%
Sr 407.771†	138330.1	0.1456 mg/L	0.00047	0.1456 mg/L	0.00047	0.32%
Ti 337.279†	3202548.1	4.530 mg/L	0.0072	4.530 mg/L	0.0072	0.16%
Tl 190.801†	11.8	-0.0703 mg/L	0.00370	-0.0703 mg/L	0.00370	5.27%
V 292.402†	32254.5	0.1744 mg/L	0.00348	0.1744 mg/L	0.00348	2.00%
Zn 213.857†	64705.1	0.6939 mg/L	0.01127	0.6939 mg/L	0.01127	1.62%

Sequence No.: 17
Sample ID: 1210140-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 10/6/2012 4:46:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210140-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	47.0	41.3	0.0266	mg/L	0.0266	mg/L	16:48:04
1	Fe 234.349†	133105.3	128732.7	110.3	mg/L	110.3	mg/L	16:47:54
1	K 766.490†	30551.2	29377.5	16.00	mg/L	16.00	mg/L	16:47:54
1	Li 670.784†	3290.5	3357.7	0.1043	mg/L	0.1043	mg/L	16:48:04
1	Na 589.592†	5259.4	4935.8	0.9086	mg/L	0.9086	mg/L	16:48:04
1	Sr 407.771†	133147.5	128636.9	0.1354	mg/L	0.1354	mg/L	16:47:54
1	Y 371.029	2561253.8	2561253.8	1.03	mg/L			16:48:24
1	Ag 328.068†	411.7	-986.1	-0.0014	mg/L	-0.0014	mg/L	16:48:27
1	Al 237.313†	561932.9	543576.6	70.17	mg/L	70.17	mg/L	16:48:24
1	As 188.979†	32.3	28.2	0.0829	mg/L	0.0829	mg/L	16:48:37
1	B 182.528†	14.7	11.6	0.0280	mg/L	0.0280	mg/L	16:48:37
1	Ba 233.527†	32335.4	31326.2	0.4315	mg/L	0.4315	mg/L	16:48:27
1	Be 313.107†	6381.4	6687.4	0.0038	mg/L	0.0038	mg/L	16:48:27
1	Ca 315.887†	3503758.8	3388357.2	31.90	mg/L	31.90	mg/L	16:48:22
1	Cd 228.802†	142.6	75.1	0.0025	mg/L	0.0025	mg/L	16:48:37
1	Co 228.616†	1821.4	1826.4	0.0356	mg/L	0.0356	mg/L	16:48:37
1	Cr 267.716†	9270.1	8556.8	0.0910	mg/L	0.0910	mg/L	16:48:27
1	Cu 324.752†	36304.1	33876.7	0.1905	mg/L	0.1905	mg/L	16:48:27
1	Fe 238.204†	11931811.0	11539179.0	97.52	mg/L	97.52	mg/L	16:48:22
1	Mg 279.077†	211462.2	204371.6	18.00	mg/L	18.00	mg/L	16:48:27
1	Mn 257.610†	1485884.1	1435840.4	2.536	mg/L	2.536	mg/L	16:48:24
1	Mo 202.031†	264.6	228.7	-0.0225	mg/L	-0.0225	mg/L	16:48:37
1	Ni 231.604†	1999.5	1952.5	0.0654	mg/L	0.0654	mg/L	16:48:37
1	P 214.914†	15197.5	14354.9	8.824	mg/L	8.824	mg/L	16:48:37
1	Pb 220.353†	7309.4	7010.8	0.5811	mg/L	0.5811	mg/L	16:48:37
1	Sb 206.836†	72.2	33.0	-0.0222	mg/L	-0.0222	mg/L	16:48:37
1	Se 196.026†	-30.4	-29.5	0.0169	mg/L	0.0169	mg/L	16:48:37
1	Sn 189.927†	-175.6	-172.7	0.2809	mg/L	0.2809	mg/L	16:48:37
1	Ti 337.279†	2808759.5	2716829.6	3.842	mg/L	3.842	mg/L	16:48:24
1	Tl 190.801†	17.0	14.4	-0.0629	mg/L	-0.0629	mg/L	16:48:37
1	V 292.402†	30447.8	30129.3	0.1632	mg/L	0.1632	mg/L	16:48:27
1	Zn 213.857†	55502.8	52876.0	0.5667	mg/L	0.5667	mg/L	16:48:27
2	B 249.677†	53.7	47.2	0.0300	mg/L	0.0300	mg/L	16:48:17
2	Fe 234.349†	132786.1	126988.9	108.8	mg/L	108.8	mg/L	16:48:07
2	K 766.490†	30564.8	29060.3	15.83	mg/L	15.83	mg/L	16:48:07
2	Li 670.784†	3330.4	3360.3	0.1044	mg/L	0.1044	mg/L	16:48:17
2	Na 589.592†	5245.6	4865.8	0.8972	mg/L	0.8972	mg/L	16:48:17
2	Sr 407.771†	132945.2	127004.3	0.1337	mg/L	0.1337	mg/L	16:48:07
2	Y 371.029	2590201.8	2590201.8	1.05	mg/L			16:48:43
2	Ag 328.068†	415.3	-987.1	-0.0015	mg/L	-0.0015	mg/L	16:48:45

2	Al	237.313†	569119.1	544375.2	70.27	mg/L	70.27	mg/L	16:48:43
2	As	188.979†	32.7	28.3	0.0823	mg/L	0.0823	mg/L	16:48:55
2	B	182.528†	16.2	12.9	0.0305	mg/L	0.0305	mg/L	16:48:55
2	Ba	233.527†	32268.1	30912.3	0.4258	mg/L	0.4258	mg/L	16:48:45
2	Be	313.107†	6410.8	6646.5	0.0038	mg/L	0.0038	mg/L	16:48:45
2	Ca	315.887†	3490770.3	3338066.4	31.43	mg/L	31.43	mg/L	16:48:40
2	Cd	228.802†	140.3	71.3	0.0023	mg/L	0.0023	mg/L	16:48:55
2	Co	228.616†	1823.9	1809.1	0.0352	mg/L	0.0352	mg/L	16:48:55
2	Cr	267.716†	9233.9	8422.0	0.0896	mg/L	0.0896	mg/L	16:48:45
2	Cu	324.752†	36111.1	33299.8	0.1872	mg/L	0.1872	mg/L	16:48:45
2	Fe	238.204†	11888659.3	11368949.7	96.08	mg/L	96.08	mg/L	16:48:40
2	Mg	279.077†	210480.8	201147.5	17.71	mg/L	17.71	mg/L	16:48:45
2	Mn	257.610†	1505252.4	1438302.4	2.540	mg/L	2.540	mg/L	16:48:43
2	Mo	202.031†	308.8	268.2	-0.0199	mg/L	-0.0199	mg/L	16:48:55
2	Ni	231.604†	1985.9	1917.9	0.0642	mg/L	0.0642	mg/L	16:48:55
2	P	214.914†	15156.0	14151.0	8.700	mg/L	8.700	mg/L	16:48:55
2	Pb	220.353†	7257.4	6882.2	0.5699	mg/L	0.5699	mg/L	16:48:55
2	Sb	206.836†	59.1	19.7	-0.0327	mg/L	-0.0327	mg/L	16:48:55
2	Se	196.026†	-33.9	-32.5	0.0133	mg/L	0.0133	mg/L	16:48:55
2	Sn	189.927†	-190.8	-185.3	0.2736	mg/L	0.2736	mg/L	16:48:55
2	Ti	337.279†	2838183.5	2714609.6	3.839	mg/L	3.839	mg/L	16:48:43
2	Tl	190.801†	12.3	9.8	-0.0653	mg/L	-0.0653	mg/L	16:48:55
2	V	292.402†	30376.8	29732.4	0.1610	mg/L	0.1610	mg/L	16:48:45
2	Zn	213.857†	55151.9	51940.5	0.5566	mg/L	0.5566	mg/L	16:48:45

Mean Data: 1210140-02

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2575727.8	1.04	mg/L	0.008				0.79%
Ag 328.068†	-986.6	-0.0014	mg/L	0.00009	-0.0014	mg/L	0.00009	6.09%
Al 237.313†	543975.9	70.22	mg/L	0.073	70.22	mg/L	0.073	0.10%
As 188.979†	28.3	0.0826	mg/L	0.00040	0.0826	mg/L	0.00040	0.49%
B 182.528†	12.2	0.0292	mg/L	0.00180	0.0292	mg/L	0.00180	6.15%
B 249.677†	44.3	0.0283	mg/L	0.00243	0.0283	mg/L	0.00243	8.59%
Ba 233.527†	31119.3	0.4286	mg/L	0.00405	0.4286	mg/L	0.00405	0.94%
Be 313.107†	6666.9	0.0038	mg/L	0.00002	0.0038	mg/L	0.00002	0.45%
Ca 315.887†	3363211.8	31.67	mg/L	0.335	31.67	mg/L	0.335	1.06%
Cd 228.802†	73.2	0.0024	mg/L	0.00009	0.0024	mg/L	0.00009	3.97%
Co 228.616†	1817.7	0.0354	mg/L	0.00030	0.0354	mg/L	0.00030	0.86%
Cr 267.716†	8489.4	0.0903	mg/L	0.00105	0.0903	mg/L	0.00105	1.16%
Cu 324.752†	33588.3	0.1888	mg/L	0.00230	0.1888	mg/L	0.00230	1.22%
Fe 234.349†	127860.8	109.6	mg/L	1.06	109.6	mg/L	1.06	0.96%
Fe 238.204†	11454064.3	96.80	mg/L	1.017	96.80	mg/L	1.017	1.05%
K 766.490†	29218.9	15.91	mg/L	0.121	15.91	mg/L	0.121	0.76%
Li 670.784†	3359.0	0.1043	mg/L	0.00006	0.1043	mg/L	0.00006	0.05%
Mg 279.077†	202759.6	17.85	mg/L	0.201	17.85	mg/L	0.201	1.13%
Mn 257.610†	1437071.4	2.538	mg/L	0.0031	2.538	mg/L	0.0031	0.12%
Mo 202.031†	248.5	-0.0212	mg/L	0.00182	-0.0212	mg/L	0.00182	8.57%
Na 589.592†	4900.8	0.9029	mg/L	0.00809	0.9029	mg/L	0.00809	0.90%
Ni 231.604†	1935.2	0.0648	mg/L	0.00086	0.0648	mg/L	0.00086	1.33%
P 214.914†	14252.9	8.762	mg/L	0.0882	8.762	mg/L	0.0882	1.01%
Pb 220.353†	6946.5	0.5755	mg/L	0.00786	0.5755	mg/L	0.00786	1.37%
Sb 206.836†	26.4	-0.0275	mg/L	0.00744	-0.0275	mg/L	0.00744	27.10%
Se 196.026†	-31.0	0.0151	mg/L	0.00254	0.0151	mg/L	0.00254	16.81%
Sn 189.927†	-179.0	0.2772	mg/L	0.00511	0.2772	mg/L	0.00511	1.84%
Sr 407.771†	127820.6	0.1345	mg/L	0.00121	0.1345	mg/L	0.00121	0.90%
Ti 337.279†	2715719.6	3.841	mg/L	0.0022	3.841	mg/L	0.0022	0.06%
Tl 190.801†	12.1	-0.0641	mg/L	0.00169	-0.0641	mg/L	0.00169	2.63%
V 292.402†	29930.8	0.1621	mg/L	0.00155	0.1621	mg/L	0.00155	0.96%
Zn 213.857†	52408.3	0.5617	mg/L	0.00710	0.5617	mg/L	0.00710	1.26%

Sequence No.: 18

Sample ID: 1210140-03

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 22

Date Collected: 10/6/2012 4:50:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210140-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
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1	B 249.677†	29.1	24.1	0.0165 mg/L	0.0165 mg/L	16:52:20
1	Fe 234.349†	403746.3	392253.2	336.2 mg/L	336.2 mg/L	16:52:17
1	K 766.490†	33589.0	32463.6	17.66 mg/L	17.66 mg/L	16:52:20
1	Li 670.784†	4681.2	4723.4	0.1465 mg/L	0.1465 mg/L	16:52:20
1	Na 589.592†	5987.1	5666.0	1.028 mg/L	1.028 mg/L	16:52:20
1	Sr 407.771†	143063.4	138857.9	0.1461 mg/L	0.1461 mg/L	16:52:17
1	Y 371.029	2549620.4	2549620.4	1.03 mg/L	1.03 mg/L	16:52:33
1	Ag 328.068†	-1119.9	-2472.2	0.0034 mg/L	0.0034 mg/L	16:52:35
1	Al 237.313†	737891.7	717003.7	92.56 mg/L	92.56 mg/L	16:52:33
1	As 188.979†	63.6	58.7	0.2156 mg/L	0.2156 mg/L	16:52:46
1	B 182.528†	27.3	23.8	0.0519 mg/L	0.0519 mg/L	16:52:46
1	Ba 233.527†	37794.3	36772.3	0.5068 mg/L	0.5068 mg/L	16:52:35
1	Be 313.107†	7644.0	7942.1	0.0046 mg/L	0.0046 mg/L	16:52:35
1	Ca 315.887†	3712385.0	3606502.7	33.96 mg/L	33.96 mg/L	16:52:33
1	Cd 228.802†	182.2	114.2	0.0037 mg/L	0.0037 mg/L	16:52:46
1	Co 228.616†	2772.5	2758.4	0.0575 mg/L	0.0575 mg/L	16:52:46
1	Cr 267.716†	13092.6	12311.3	0.1324 mg/L	0.1324 mg/L	16:52:35
1	Cu 324.752†	50031.9	47373.8	0.2671 mg/L	0.2671 mg/L	16:52:35
1	Fe 238.204†	29499013.7	28658711.0	242.2 mg/L	242.2 mg/L	16:52:30
1	Mg 279.077†	284770.5	276525.2	24.36 mg/L	24.36 mg/L	16:52:33
1	Mn 257.610†	1959347.4	1902376.1	3.361 mg/L	3.361 mg/L	16:52:33
1	Mo 202.031†	257.3	222.9	-0.0931 mg/L	-0.0931 mg/L	16:52:35
1	Ni 231.604†	3074.7	3005.9	0.1028 mg/L	0.1028 mg/L	16:52:46
1	P 214.914†	18532.8	17662.3	11.32 mg/L	11.32 mg/L	16:52:35
1	Pb 220.353†	8688.5	8383.0	0.6931 mg/L	0.6931 mg/L	16:52:46
1	Sb 206.836†	96.8	57.3	-0.1019 mg/L	-0.1019 mg/L	16:52:46
1	Se 196.026†	-86.0	-83.6	0.0606 mg/L	0.0606 mg/L	16:52:46
1	Sn 189.927†	-142.0	-140.8	0.9484 mg/L	0.9484 mg/L	16:52:46
1	Ti 337.279†	3365284.0	3269898.2	4.625 mg/L	4.625 mg/L	16:52:33
1	Tl 190.801†	-6.4	-8.2	-0.2083 mg/L	-0.2083 mg/L	16:52:46
1	V 292.402†	48395.4	47700.2	0.2302 mg/L	0.2302 mg/L	16:52:35
1	Zn 213.857†	68078.3	65338.3	0.7003 mg/L	0.7003 mg/L	16:52:35
2	B 249.677†	37.2	31.9	0.0210 mg/L	0.0210 mg/L	16:52:24
2	Fe 234.349†	409006.4	396772.5	340.1 mg/L	340.1 mg/L	16:52:22
2	K 766.490†	33263.5	32099.4	17.46 mg/L	17.46 mg/L	16:52:24
2	Li 670.784†	4609.3	4646.8	0.1441 mg/L	0.1441 mg/L	16:52:24
2	Na 589.592†	5945.9	5617.4	1.020 mg/L	1.020 mg/L	16:52:24
2	Sr 407.771†	144900.3	140433.2	0.1478 mg/L	0.1478 mg/L	16:52:22
2	Y 371.029	2553417.8	2553417.8	1.03 mg/L	1.03 mg/L	16:52:53
2	Ag 328.068†	-1134.1	-2484.4	0.0036 mg/L	0.0036 mg/L	16:52:55
2	Al 237.313†	752208.1	729825.6	94.21 mg/L	94.21 mg/L	16:52:53
2	As 188.979†	71.3	66.2	0.2265 mg/L	0.2265 mg/L	16:53:05
2	B 182.528†	21.4	18.1	0.0408 mg/L	0.0408 mg/L	16:53:05
2	Ba 233.527†	38331.0	37238.3	0.5132 mg/L	0.5132 mg/L	16:52:55
2	Be 313.107†	7679.6	7965.6	0.0046 mg/L	0.0046 mg/L	16:52:55
2	Ca 315.887†	3784495.0	3671091.1	34.57 mg/L	34.57 mg/L	16:52:53
2	Cd 228.802†	184.6	116.2	0.0037 mg/L	0.0037 mg/L	16:53:05
2	Co 228.616†	2757.2	2739.6	0.0568 mg/L	0.0568 mg/L	16:53:05
2	Cr 267.716†	13171.8	12369.3	0.1330 mg/L	0.1330 mg/L	16:52:55
2	Cu 324.752†	50464.3	47720.9	0.2691 mg/L	0.2691 mg/L	16:52:55
2	Fe 238.204†	30055764.2	29156179.9	246.4 mg/L	246.4 mg/L	16:52:49
2	Mg 279.077†	290842.7	282004.2	24.84 mg/L	24.84 mg/L	16:52:53
2	Mn 257.610†	1997325.7	1936386.9	3.421 mg/L	3.421 mg/L	16:52:53
2	Mo 202.031†	350.7	313.1	-0.0895 mg/L	-0.0895 mg/L	16:52:55
2	Ni 231.604†	3047.9	2975.5	0.1017 mg/L	0.1017 mg/L	16:53:05
2	P 214.914†	18688.8	17786.8	11.41 mg/L	11.41 mg/L	16:52:55
2	Pb 220.353†	8596.5	8281.1	0.6839 mg/L	0.6839 mg/L	16:53:05
2	Sb 206.836†	96.9	57.2	-0.1037 mg/L	-0.1037 mg/L	16:53:05
2	Se 196.026†	-88.5	-85.9	0.0600 mg/L	0.0600 mg/L	16:53:05
2	Sn 189.927†	-141.3	-139.9	0.9599 mg/L	0.9599 mg/L	16:53:05
2	Ti 337.279†	3428545.3	3326404.3	4.705 mg/L	4.705 mg/L	16:52:53
2	Tl 190.801†	-7.5	-9.3	-0.2113 mg/L	-0.2113 mg/L	16:53:05
2	V 292.402†	48877.9	48098.3	0.2319 mg/L	0.2319 mg/L	16:52:55
2	Zn 213.857†	68803.4	65943.3	0.7068 mg/L	0.7068 mg/L	16:52:55

Mean Data: 1210140-03

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2551519.1	1.03 mg/L	0.001			0.11%
Ag 328.068†	-2478.3	0.0035 mg/L	0.00014	0.0035 mg/L	0.00014	3.95%
Al 237.313†	723414.6	93.39 mg/L	1.170	93.39 mg/L	1.170	1.25%
As 188.979†	62.5	0.2211 mg/L	0.00768	0.2211 mg/L	0.00768	3.47%

2	Fe 234.349†	185826.7	178922.0	153.4 mg/L	153.4 mg/L	16:56:32
2	K 766.490†	30282.9	28988.0	15.79 mg/L	15.79 mg/L	16:56:34
2	Li 670.784†	4381.4	4394.0	0.1363 mg/L	0.1363 mg/L	16:56:34
2	Na 589.592†	5884.6	5515.1	1.003 mg/L	1.003 mg/L	16:56:34
2	Sr 407.771†	152452.3	146651.9	0.1543 mg/L	0.1543 mg/L	16:56:32
2	Y 371.029	2572678.7	2572678.7	1.04 mg/L		16:57:03
2	Ag 328.068†	136.1	-1253.1	-0.0003 mg/L	-0.0003 mg/L	16:57:05
2	Al 237.313†	746067.1	718449.8	92.75 mg/L	92.75 mg/L	16:57:03
2	As 188.979†	61.3	56.0	0.1355 mg/L	0.1355 mg/L	16:57:15
2	B 182.528†	18.5	15.2	0.0350 mg/L	0.0350 mg/L	16:57:15
2	Ba 233.527†	38497.5	37120.2	0.5116 mg/L	0.5116 mg/L	16:57:05
2	Be 313.107†	8778.6	8968.0	0.0052 mg/L	0.0052 mg/L	16:57:05
2	Ca 315.887†	3711070.1	3572911.2	33.64 mg/L	33.64 mg/L	16:57:03
2	Cd 228.802†	161.5	92.6	0.0029 mg/L	0.0029 mg/L	16:57:15
2	Co 228.616†	2244.5	2225.9	0.0458 mg/L	0.0458 mg/L	16:57:15
2	Cr 267.716†	12692.7	11812.3	0.1269 mg/L	0.1269 mg/L	16:57:05
2	Cu 324.752†	50590.2	47475.6	0.2669 mg/L	0.2669 mg/L	16:57:05
2	Fe 238.204†	16079916.9	15481780.5	130.8 mg/L	130.8 mg/L	16:57:00
2	Mg 279.077†	245509.3	236244.4	20.81 mg/L	20.81 mg/L	16:57:03
2	Mn 257.610†	1858323.4	1788047.9	3.159 mg/L	3.159 mg/L	16:57:03
2	Mo 202.031†	289.5	251.6	-0.0347 mg/L	-0.0347 mg/L	16:57:15
2	Ni 231.604†	2980.9	2888.8	0.0986 mg/L	0.0986 mg/L	16:57:15
2	P 214.914†	21914.2	20756.5	12.73 mg/L	12.73 mg/L	16:57:05
2	Pb 220.353†	12039.2	11533.4	0.9649 mg/L	0.9649 mg/L	16:57:15
2	Sb 206.836†	77.2	37.5	-0.0374 mg/L	-0.0374 mg/L	16:57:15
2	Se 196.026†	-41.8	-40.3	0.0247 mg/L	0.0247 mg/L	16:57:15
2	Sn 189.927†	-107.4	-106.2	0.4216 mg/L	0.4216 mg/L	16:57:15
2	Ti 337.279†	2736758.6	2635443.2	3.727 mg/L	3.727 mg/L	16:57:03
2	Tl 190.801†	9.0	6.7	-0.0928 mg/L	-0.0928 mg/L	16:57:15
2	V 292.402†	46667.7	45615.3	0.2524 mg/L	0.2524 mg/L	16:57:05
2	Zn 213.857†	72667.9	69164.3	0.7415 mg/L	0.7415 mg/L	16:57:05

Mean Data: 1210140-04

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2571866.4	1.04 mg/L	0.000			0.04%
Ag 328.068†	-1207.7	0.0001 mg/L	0.00058	0.0001 mg/L	0.00058	681.05%
Al 237.313†	717260.4	92.59 mg/L	0.217	92.59 mg/L	0.217	0.23%
As 188.979†	52.6	0.1314 mg/L	0.00579	0.1314 mg/L	0.00579	4.40%
B 182.528†	16.3	0.0371 mg/L	0.00295	0.0371 mg/L	0.00295	7.95%
B 249.677†	41.9	0.0269 mg/L	0.00701	0.0269 mg/L	0.00701	26.10%
Ba 233.527†	37501.5	0.5169 mg/L	0.00746	0.5169 mg/L	0.00746	1.44%
Be 313.107†	8988.7	0.0052 mg/L	0.00002	0.0052 mg/L	0.00002	0.34%
Ca 315.887†	3573798.6	33.65 mg/L	0.012	33.65 mg/L	0.012	0.04%
Cd 228.802†	94.3	0.0030 mg/L	0.00011	0.0030 mg/L	0.00011	3.65%
Co 228.616†	2230.4	0.0460 mg/L	0.00018	0.0460 mg/L	0.00018	0.38%
Cr 267.716†	11934.9	0.1282 mg/L	0.00191	0.1282 mg/L	0.00191	1.49%
Cu 324.752†	47828.9	0.2689 mg/L	0.00281	0.2689 mg/L	0.00281	1.04%
Fe 234.349†	179275.7	153.7 mg/L	0.43	153.7 mg/L	0.43	0.28%
Fe 238.204†	15415742.7	130.3 mg/L	0.79	130.3 mg/L	0.79	0.61%
K 766.490†	29206.5	15.91 mg/L	0.166	15.91 mg/L	0.166	1.05%
Li 670.784†	4414.8	0.1370 mg/L	0.00091	0.1370 mg/L	0.00091	0.66%
Mg 279.077†	236274.4	20.81 mg/L	0.004	20.81 mg/L	0.004	0.02%
Mn 257.610†	1786452.3	3.156 mg/L	0.0040	3.156 mg/L	0.0040	0.13%
Mo 202.031†	263.3	-0.0342 mg/L	0.00074	-0.0342 mg/L	0.00074	2.18%
Na 589.592†	5518.6	1.004 mg/L	0.0008	1.004 mg/L	0.0008	0.08%
Ni 231.604†	2880.7	0.0983 mg/L	0.00040	0.0983 mg/L	0.00040	0.41%
P 214.914†	20975.0	12.86 mg/L	0.185	12.86 mg/L	0.185	1.44%
Pb 220.353†	11545.4	0.9660 mg/L	0.00151	0.9660 mg/L	0.00151	0.16%
Sb 206.836†	38.7	-0.0365 mg/L	0.00123	-0.0365 mg/L	0.00123	3.35%
Se 196.026†	-43.9	0.0214 mg/L	0.00477	0.0214 mg/L	0.00477	22.31%
Sn 189.927†	-103.2	0.4232 mg/L	0.00221	0.4232 mg/L	0.00221	0.52%
Sr 407.771†	146944.0	0.1546 mg/L	0.00043	0.1546 mg/L	0.00043	0.28%
Ti 337.279†	2631395.5	3.721 mg/L	0.0081	3.721 mg/L	0.0081	0.22%
Tl 190.801†	9.3	-0.0912 mg/L	0.00231	-0.0912 mg/L	0.00231	2.54%
V 292.402†	46087.7	0.2553 mg/L	0.00413	0.2553 mg/L	0.00413	1.62%
Zn 213.857†	69877.1	0.7491 mg/L	0.01083	0.7491 mg/L	0.01083	1.45%

Sequence No.: 20
Sample ID: 1210140-05
Analyst:

Autosampler Location: 24
Date Collected: 10/6/2012 4:58:56 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210140-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	57.9	51.6	0.0326	mg/L	0.0326	mg/L	17:00:44
1	Fe 234.349†	135073.8	130170.9	111.6	mg/L	111.6	mg/L	17:00:34
1	K 766.490†	27649.2	26475.7	14.44	mg/L	14.44	mg/L	17:00:34
1	Li 670.784†	2975.3	3042.6	0.0946	mg/L	0.0946	mg/L	17:00:44
1	Na 589.592†	4772.1	4448.1	0.8289	mg/L	0.8289	mg/L	17:00:44
1	Sr 407.771†	133775.9	128783.4	0.1356	mg/L	0.1356	mg/L	17:00:34
1	Y 371.029	2570417.1	2570417.1	1.04	mg/L			17:01:04
1	Ag 328.068†	528.1	-875.3	-0.0003	mg/L	-0.0003	mg/L	17:01:07
1	Al 237.313†	533137.1	513890.0	66.34	mg/L	66.34	mg/L	17:01:04
1	As 188.979†	42.5	37.9	0.0955	mg/L	0.0955	mg/L	17:01:17
1	B 182.528†	19.3	16.0	0.0366	mg/L	0.0366	mg/L	17:01:17
1	Ba 233.527†	29752.5	28725.7	0.3955	mg/L	0.3955	mg/L	17:01:07
1	Be 313.107†	6559.1	6836.5	0.0039	mg/L	0.0039	mg/L	17:01:07
1	Ca 315.887†	3507309.2	3379698.8	31.82	mg/L	31.82	mg/L	17:01:02
1	Cd 228.802†	154.3	85.9	0.0028	mg/L	0.0028	mg/L	17:01:17
1	Co 228.616†	1716.0	1718.5	0.0342	mg/L	0.0342	mg/L	17:01:17
1	Cr 267.716†	9952.1	9182.0	0.0979	mg/L	0.0979	mg/L	17:01:07
1	Cu 324.752†	40505.0	37799.8	0.2120	mg/L	0.2120	mg/L	17:01:07
1	Fe 238.204†	12225725.9	11781276.0	99.56	mg/L	99.56	mg/L	17:01:02
1	Mg 279.077†	198404.0	191058.9	16.82	mg/L	16.82	mg/L	17:01:07
1	Mn 257.610†	1508200.9	1452223.4	2.565	mg/L	2.565	mg/L	17:01:04
1	Mo 202.031†	284.1	246.7	-0.0220	mg/L	-0.0220	mg/L	17:01:17
1	Ni 231.604†	2182.1	2121.6	0.0714	mg/L	0.0714	mg/L	17:01:17
1	P 214.914†	15955.2	15032.7	9.230	mg/L	9.230	mg/L	17:01:17
1	Pb 220.353†	9138.3	8748.1	0.7317	mg/L	0.7317	mg/L	17:01:17
1	Sb 206.836†	69.1	29.8	-0.0254	mg/L	-0.0254	mg/L	17:01:17
1	Se 196.026†	-40.6	-39.2	0.0080	mg/L	0.0080	mg/L	17:01:17
1	Sn 189.927†	-150.4	-147.8	0.2901	mg/L	0.2901	mg/L	17:01:17
1	Ti 337.279†	2337110.5	2252637.1	3.186	mg/L	3.186	mg/L	17:01:04
1	Tl 190.801†	11.7	9.3	-0.0664	mg/L	-0.0664	mg/L	17:01:17
1	V 292.402†	33847.6	33300.7	0.1834	mg/L	0.1834	mg/L	17:01:07
1	Zn 213.857†	86347.6	82408.5	0.8841	mg/L	0.8841	mg/L	17:01:07
2	B 249.677†	70.1	63.5	0.0395	mg/L	0.0395	mg/L	17:00:57
2	Fe 234.349†	135441.9	130698.1	112.0	mg/L	112.0	mg/L	17:00:46
2	K 766.490†	27663.3	26524.5	14.46	mg/L	14.46	mg/L	17:00:46
2	Li 670.784†	2970.8	3042.1	0.0946	mg/L	0.0946	mg/L	17:00:57
2	Na 589.592†	4770.2	4452.3	0.8296	mg/L	0.8296	mg/L	17:00:57
2	Sr 407.771†	133717.5	128897.5	0.1357	mg/L	0.1357	mg/L	17:00:46
2	Y 371.029	2567023.7	2567023.7	1.04	mg/L			17:01:22
2	Ag 328.068†	490.7	-910.8	-0.0006	mg/L	-0.0006	mg/L	17:01:25
2	Al 237.313†	532927.3	514366.7	66.40	mg/L	66.40	mg/L	17:01:22
2	As 188.979†	39.9	35.5	0.0926	mg/L	0.0926	mg/L	17:01:35
2	B 182.528†	20.5	17.1	0.0387	mg/L	0.0387	mg/L	17:01:35
2	Ba 233.527†	29852.3	28859.9	0.3974	mg/L	0.3974	mg/L	17:01:25
2	Be 313.107†	6517.1	6804.4	0.0039	mg/L	0.0039	mg/L	17:01:25
2	Ca 315.887†	3495677.4	3372942.8	31.76	mg/L	31.76	mg/L	17:01:20
2	Cd 228.802†	146.0	78.0	0.0025	mg/L	0.0025	mg/L	17:01:35
2	Co 228.616†	1711.9	1716.7	0.0341	mg/L	0.0341	mg/L	17:01:35
2	Cr 267.716†	9999.7	9240.6	0.0986	mg/L	0.0986	mg/L	17:01:25
2	Cu 324.752†	40557.7	37902.3	0.2126	mg/L	0.2126	mg/L	17:01:25
2	Fe 238.204†	12191141.2	11763478.1	99.41	mg/L	99.41	mg/L	17:01:20
2	Mg 279.077†	198743.1	191638.9	16.87	mg/L	16.87	mg/L	17:01:25
2	Mn 257.610†	1509329.8	1455234.0	2.570	mg/L	2.570	mg/L	17:01:22
2	Mo 202.031†	290.7	253.4	-0.0217	mg/L	-0.0217	mg/L	17:01:35
2	Ni 231.604†	2168.9	2111.6	0.0711	mg/L	0.0711	mg/L	17:01:35
2	P 214.914†	15867.6	14968.5	9.193	mg/L	9.193	mg/L	17:01:35
2	Pb 220.353†	9039.0	8663.9	0.7244	mg/L	0.7244	mg/L	17:01:35
2	Sb 206.836†	62.8	23.8	-0.0307	mg/L	-0.0307	mg/L	17:01:35
2	Se 196.026†	-29.9	-29.0	0.0181	mg/L	0.0181	mg/L	17:01:35
2	Sn 189.927†	-136.5	-134.6	0.2944	mg/L	0.2944	mg/L	17:01:35
2	Ti 337.279†	2335469.0	2254030.3	3.187	mg/L	3.187	mg/L	17:01:22
2	Tl 190.801†	11.7	9.3	-0.0666	mg/L	-0.0666	mg/L	17:01:35
2	V 292.402†	33901.8	33396.1	0.1839	mg/L	0.1839	mg/L	17:01:25
2	Zn 213.857†	86322.4	82494.2	0.8850	mg/L	0.8850	mg/L	17:01:25

Mean Data: 1210140-05

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2568720.4	1.04	mg/L	0.001				0.09%
Ag 328.068†	-893.0	-0.0005	mg/L	0.00019	-0.0005	mg/L	0.00019	39.77%
Al 237.313†	514128.3	66.37	mg/L	0.044	66.37	mg/L	0.044	0.07%
As 188.979†	36.7	0.0940	mg/L	0.00206	0.0940	mg/L	0.00206	2.19%
B 182.528†	16.5	0.0376	mg/L	0.00151	0.0376	mg/L	0.00151	4.01%
B 249.677†	57.6	0.0360	mg/L	0.00488	0.0360	mg/L	0.00488	13.55%
Ba 233.527†	28792.8	0.3964	mg/L	0.00131	0.3964	mg/L	0.00131	0.33%
Be 313.107†	6820.5	0.0039	mg/L	0.00001	0.0039	mg/L	0.00001	0.35%
Ca 315.887†	3376320.8	31.79	mg/L	0.045	31.79	mg/L	0.045	0.14%
Cd 228.802†	82.0	0.0027	mg/L	0.00019	0.0027	mg/L	0.00019	7.08%
Co 228.616†	1717.6	0.0341	mg/L	0.00003	0.0341	mg/L	0.00003	0.10%
Cr 267.716†	9211.3	0.0983	mg/L	0.00046	0.0983	mg/L	0.00046	0.46%
Cu 324.752†	37851.0	0.2123	mg/L	0.00041	0.2123	mg/L	0.00041	0.19%
Fe 234.349†	130434.5	111.8	mg/L	0.32	111.8	mg/L	0.32	0.29%
Fe 238.204†	11772377.0	99.49	mg/L	0.106	99.49	mg/L	0.106	0.11%
K 766.490†	26500.1	14.45	mg/L	0.019	14.45	mg/L	0.019	0.13%
Li 670.784†	3042.3	0.0946	mg/L	0.00001	0.0946	mg/L	0.00001	0.01%
Mg 279.077†	191348.9	16.85	mg/L	0.036	16.85	mg/L	0.036	0.21%
Mn 257.610†	1453728.7	2.567	mg/L	0.0038	2.567	mg/L	0.0038	0.15%
Mo 202.031†	250.0	-0.0218	mg/L	0.00015	-0.0218	mg/L	0.00015	0.70%
Na 589.592†	4450.2	0.8292	mg/L	0.00049	0.8292	mg/L	0.00049	0.06%
Ni 231.604†	2116.6	0.0712	mg/L	0.00025	0.0712	mg/L	0.00025	0.35%
P 214.914†	15000.6	9.212	mg/L	0.0263	9.212	mg/L	0.0263	0.29%
Pb 220.353†	8706.0	0.7280	mg/L	0.00515	0.7280	mg/L	0.00515	0.71%
Sb 206.836†	26.8	-0.0281	mg/L	0.00371	-0.0281	mg/L	0.00371	13.21%
Se 196.026†	-34.1	0.0131	mg/L	0.00715	0.0131	mg/L	0.00715	54.65%
Sn 189.927†	-141.2	0.2922	mg/L	0.00305	0.2922	mg/L	0.00305	1.04%
Sr 407.771†	128840.4	0.1356	mg/L	0.00008	0.1356	mg/L	0.00008	0.06%
Ti 337.279†	2253333.7	3.186	mg/L	0.0014	3.186	mg/L	0.0014	0.04%
Tl 190.801†	9.3	-0.0665	mg/L	0.00018	-0.0665	mg/L	0.00018	0.27%
V 292.402†	33348.4	0.1837	mg/L	0.00037	0.1837	mg/L	0.00037	0.20%
Zn 213.857†	82451.3	0.8846	mg/L	0.00065	0.8846	mg/L	0.00065	0.07%

Sequence No.: 21
Sample ID: 1210140-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 10/6/2012 5:03:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210140-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	64.2	55.8	0.0350	mg/L	0.0350	mg/L	17:04:54
1	Fe 234.349†	168890.1	157906.3	135.3	mg/L	135.3	mg/L	17:04:51
1	K 766.490†	30531.0	28375.7	15.46	mg/L	15.46	mg/L	17:04:54
1	Li 670.784†	3376.0	3331.8	0.1035	mg/L	0.1035	mg/L	17:04:54
1	Na 589.592†	5218.9	4728.7	0.8748	mg/L	0.8748	mg/L	17:04:54
1	Sr 407.771†	170679.9	159442.9	0.1677	mg/L	0.1677	mg/L	17:04:51
1	Y 371.029	2649400.0	2649400.0	1.07	mg/L			17:05:07
1	Ag 328.068†	359.9	-1047.7	0.0000	mg/L	0.0000	mg/L	17:05:09
1	Al 237.313†	699848.1	654437.1	84.48	mg/L	84.48	mg/L	17:05:07
1	As 188.979†	45.5	39.6	0.1074	mg/L	0.1074	mg/L	17:05:19
1	B 182.528†	25.9	21.5	0.0474	mg/L	0.0474	mg/L	17:05:19
1	Ba 233.527†	35525.5	33268.3	0.4583	mg/L	0.4583	mg/L	17:05:09
1	Be 313.107†	8394.7	8364.3	0.0048	mg/L	0.0048	mg/L	17:05:09
1	Ca 315.887†	4165085.4	3893915.3	36.67	mg/L	36.67	mg/L	17:05:07
1	Cd 228.802†	174.4	100.2	0.0033	mg/L	0.0033	mg/L	17:05:19
1	Co 228.616†	2032.9	1965.5	0.0376	mg/L	0.0376	mg/L	17:05:19
1	Cr 267.716†	11719.2	10548.2	0.1130	mg/L	0.1130	mg/L	17:05:09
1	Cu 324.752†	50863.9	46321.0	0.2611	mg/L	0.2611	mg/L	17:05:09
1	Fe 238.204†	14871111.4	13903304.9	117.5	mg/L	117.5	mg/L	17:05:04
1	Mg 279.077†	232363.0	217108.4	19.12	mg/L	19.12	mg/L	17:05:09
1	Mn 257.610†	1741432.9	1626951.2	2.874	mg/L	2.874	mg/L	17:05:07
1	Mo 202.031†	309.0	261.7	-0.0286	mg/L	-0.0286	mg/L	17:05:19
1	Ni 231.604†	2341.5	2208.0	0.0745	mg/L	0.0745	mg/L	17:05:19
1	P 214.914†	17192.5	15731.1	9.701	mg/L	9.701	mg/L	17:05:09
1	Pb 220.353†	7810.7	7244.3	0.5970	mg/L	0.5970	mg/L	17:05:19
1	Sb 206.836†	69.4	28.1	-0.0374	mg/L	-0.0374	mg/L	17:05:19

1	Se 196.026†	-39.7	-37.2	0.0201 mg/L	0.0201 mg/L	17:05:19
1	Sn 189.927†	-165.3	-157.4	0.3574 mg/L	0.3574 mg/L	17:05:19
1	Ti 337.279†	3475154.7	3249488.6	4.596 mg/L	4.596 mg/L	17:05:07
1	Tl 190.801†	9.0	6.5	-0.0839 mg/L	-0.0839 mg/L	17:05:19
1	V 292.402†	39918.8	38004.4	0.2073 mg/L	0.2073 mg/L	17:05:09
1	Zn 213.857†	78539.3	72627.7	0.7789 mg/L	0.7789 mg/L	17:05:09
2	B 249.677†	80.2	70.9	0.0438 mg/L	0.0438 mg/L	17:04:58
2	Fe 234.349†	172427.3	161356.0	138.3 mg/L	138.3 mg/L	17:04:56
2	K 766.490†	31085.0	28919.3	15.75 mg/L	15.75 mg/L	17:04:58
2	Li 670.784†	3431.2	3386.2	0.1052 mg/L	0.1052 mg/L	17:04:58
2	Na 589.592†	5181.8	4698.3	0.8698 mg/L	0.8698 mg/L	17:04:58
2	Sr 407.771†	173894.2	162591.9	0.1710 mg/L	0.1710 mg/L	17:04:56
2	Y 371.029	2647059.3	2647059.3	1.07 mg/L		17:05:26
2	Ag 328.068†	277.9	-1124.1	-0.0004 mg/L	-0.0004 mg/L	17:05:29
2	Al 237.313†	699367.8	654566.3	84.50 mg/L	84.50 mg/L	17:05:26
2	As 188.979†	49.4	43.2	0.1133 mg/L	0.1133 mg/L	17:05:39
2	B 182.528†	22.1	22.7	0.0497 mg/L	0.0497 mg/L	17:05:39
2	Ba 233.527†	35202.7	32995.6	0.4546 mg/L	0.4546 mg/L	17:05:29
2	Be 313.107†	8270.1	8254.7	0.0048 mg/L	0.0048 mg/L	17:05:29
2	Ca 315.887†	4150799.4	3883990.6	36.57 mg/L	36.57 mg/L	17:05:26
2	Cd 228.802†	174.7	100.6	0.0033 mg/L	0.0033 mg/L	17:05:39
2	Co 228.616†	2012.9	1948.5	0.0372 mg/L	0.0372 mg/L	17:05:39
2	Cr 267.716†	11583.4	10430.9	0.1117 mg/L	0.1117 mg/L	17:05:29
2	Cu 324.752†	50480.8	46004.6	0.2593 mg/L	0.2593 mg/L	17:05:29
2	Fe 238.204†	14869087.0	13913705.4	117.6 mg/L	117.6 mg/L	17:05:23
2	Mg 279.077†	229725.0	214832.0	18.92 mg/L	18.92 mg/L	17:05:29
2	Mn 257.610†	1739861.6	1626920.6	2.874 mg/L	2.874 mg/L	17:05:26
2	Mo 202.031†	334.9	286.2	-0.0282 mg/L	-0.0282 mg/L	17:05:39
2	Ni 231.604†	2346.0	2214.1	0.0747 mg/L	0.0747 mg/L	17:05:39
2	P 214.914†	16952.6	15520.8	9.583 mg/L	9.583 mg/L	17:05:29
2	Pb 220.353†	7840.2	7278.4	0.5999 mg/L	0.5999 mg/L	17:05:39
2	Sb 206.836†	68.1	26.9	-0.0397 mg/L	-0.0397 mg/L	17:05:39
2	Se 196.026†	-32.9	-30.9	0.0275 mg/L	0.0275 mg/L	17:05:39
2	Sn 189.927†	-179.4	-170.7	0.3630 mg/L	0.3630 mg/L	17:05:39
2	Ti 337.279†	3473544.5	3250855.0	4.598 mg/L	4.598 mg/L	17:05:26
2	Tl 190.801†	9.3	6.7	-0.0854 mg/L	-0.0854 mg/L	17:05:39
2	V 292.402†	39677.2	37811.4	0.2056 mg/L	0.2056 mg/L	17:05:29
2	Zn 213.857†	77888.4	72083.5	0.7730 mg/L	0.7730 mg/L	17:05:29

Mean Data: 1210140-06

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2648229.7	1.07	mg/L	0.001				0.06%
Ag 328.068†	-1085.9	-0.0002	mg/L	0.00030	-0.0002	mg/L	0.00030	162.58%
Al 237.313†	654501.7	84.49	mg/L	0.012	84.49	mg/L	0.012	0.01%
As 188.979†	41.4	0.1103	mg/L	0.00413	0.1103	mg/L	0.00413	3.74%
B 182.528†	22.1	0.0485	mg/L	0.00165	0.0485	mg/L	0.00165	3.39%
B 249.677†	63.3	0.0394	mg/L	0.00618	0.0394	mg/L	0.00618	15.70%
Ba 233.527†	33132.0	0.4565	mg/L	0.00267	0.4565	mg/L	0.00267	0.58%
Be 313.107†	8309.5	0.0048	mg/L	0.00005	0.0048	mg/L	0.00005	0.96%
Ca 315.887†	3888953.0	36.62	mg/L	0.066	36.62	mg/L	0.066	0.18%
Cd 228.802†	100.4	0.0033	mg/L	0.00000	0.0033	mg/L	0.00000	0.09%
Co 228.616†	1957.0	0.0374	mg/L	0.00030	0.0374	mg/L	0.00030	0.81%
Cr 267.716†	10489.6	0.1123	mg/L	0.00091	0.1123	mg/L	0.00091	0.81%
Cu 324.752†	46162.8	0.2602	mg/L	0.00126	0.2602	mg/L	0.00126	0.48%
Fe 234.349†	159631.1	136.8	mg/L	2.09	136.8	mg/L	2.09	1.53%
Fe 238.204†	13908505.2	117.5	mg/L	0.06	117.5	mg/L	0.06	0.05%
K 766.490†	28647.5	15.61	mg/L	0.207	15.61	mg/L	0.207	1.32%
Li 670.784†	3359.0	0.1043	mg/L	0.00119	0.1043	mg/L	0.00119	1.14%
Mg 279.077†	215970.2	19.02	mg/L	0.142	19.02	mg/L	0.142	0.75%
Mn 257.610†	1626935.9	2.874	mg/L	0.0000	2.874	mg/L	0.0000	0.00%
Mo 202.031†	274.0	-0.0284	mg/L	0.00027	-0.0284	mg/L	0.00027	0.96%
Na 589.592†	4713.5	0.8723	mg/L	0.00352	0.8723	mg/L	0.00352	0.40%
Ni 231.604†	2211.0	0.0746	mg/L	0.00015	0.0746	mg/L	0.00015	0.21%
P 214.914†	15626.0	9.642	mg/L	0.0835	9.642	mg/L	0.0835	0.87%
Pb 220.353†	7261.4	0.5985	mg/L	0.00208	0.5985	mg/L	0.00208	0.35%
Sb 206.836†	27.5	-0.0385	mg/L	0.00165	-0.0385	mg/L	0.00165	4.28%
Se 196.026†	-34.0	0.0238	mg/L	0.00523	0.0238	mg/L	0.00523	22.00%
Sn 189.927†	-164.1	0.3602	mg/L	0.00398	0.3602	mg/L	0.00398	1.10%
Sr 407.771†	161017.4	0.1694	mg/L	0.00234	0.1694	mg/L	0.00234	1.38%
Ti 337.279†	3250171.8	4.597	mg/L	0.0014	4.597	mg/L	0.0014	0.03%
Tl 190.801†	6.6	-0.0846	mg/L	0.00105	-0.0846	mg/L	0.00105	1.24%

V 292.402†	37907.9	0.2064 mg/L	0.00125	0.2064 mg/L	0.00125	0.61%
Zn 213.857†	72355.6	0.7759 mg/L	0.00414	0.7759 mg/L	0.00414	0.53%

Sequence No.: 22
Sample ID: CJ20523-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 10/6/2012 5:07:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Sample Conc. Units	Analysis Time
1	B 249.677†	42.5	36.1	0.0235 mg/L		0.0235 mg/L	17:08:56
1	Fe 234.349†	165433.6	156500.4	134.1 mg/L		134.1 mg/L	17:08:54
1	K 766.490†	31945.6	30050.8	16.36 mg/L		16.36 mg/L	17:08:56
1	Li 670.784†	3943.3	3905.7	0.1212 mg/L		0.1212 mg/L	17:08:56
1	Na 589.592†	5488.3	5041.2	0.9259 mg/L		0.9259 mg/L	17:08:56
1	Sr 407.771†	153380.5	144961.8	0.1525 mg/L		0.1525 mg/L	17:08:54
1	Y 371.029	2618493.0	2618493.0	1.06 mg/L			17:09:08
1	Ag 328.068†	250.8	-1147.0	-0.0009 mg/L		-0.0009 mg/L	17:09:11
1	Al 237.313†	719181.6	680449.0	87.84 mg/L		87.84 mg/L	17:09:08
1	As 188.979†	40.5	35.3	0.1016 mg/L		0.1016 mg/L	17:09:21
1	B 182.528†	16.5	13.0	0.0306 mg/L		0.0306 mg/L	17:09:21
1	Ba 233.527†	34754.8	32931.2	0.4537 mg/L		0.4537 mg/L	17:09:11
1	Be 313.107†	8552.8	8606.5	0.0050 mg/L		0.0050 mg/L	17:09:11
1	Ca 315.887†	3750167.9	3547380.4	33.40 mg/L		33.40 mg/L	17:09:06
1	Cd 228.802†	155.4	84.2	0.0027 mg/L		0.0027 mg/L	17:09:21
1	Co 228.616†	2262.7	2205.3	0.0429 mg/L		0.0429 mg/L	17:09:21
1	Cr 267.716†	11667.3	10628.5	0.1139 mg/L		0.1139 mg/L	17:09:11
1	Cu 324.752†	39381.4	36020.2	0.2034 mg/L		0.2034 mg/L	17:09:11
1	Fe 238.204†	14338899.8	13563958.2	114.6 mg/L		114.6 mg/L	17:09:06
1	Mg 279.077†	241972.0	228762.4	20.15 mg/L		20.15 mg/L	17:09:08
1	Mn 257.610†	1578412.0	1491956.2	2.635 mg/L		2.635 mg/L	17:09:08
1	Mo 202.031†	275.7	233.7	-0.0297 mg/L		-0.0297 mg/L	17:09:21
1	Ni 231.604†	2443.1	2329.9	0.0788 mg/L		0.0788 mg/L	17:09:21
1	P 214.914†	16240.4	15020.2	9.276 mg/L		9.276 mg/L	17:09:21
1	Pb 220.353†	7359.4	6903.6	0.5669 mg/L		0.5669 mg/L	17:09:21
1	Sb 206.836†	70.2	29.6	-0.0356 mg/L		-0.0356 mg/L	17:09:21
1	Se 196.026†	-36.0	-34.1	0.0226 mg/L		0.0226 mg/L	17:09:21
1	Sn 189.927†	-173.0	-166.5	0.3518 mg/L		0.3518 mg/L	17:09:21
1	Ti 337.279†	3697713.8	3498371.5	4.948 mg/L		4.948 mg/L	17:09:08
1	Tl 190.801†	10.4	7.8	-0.0827 mg/L		-0.0827 mg/L	17:09:21
1	V 292.402†	38259.0	36874.8	0.2002 mg/L		0.2002 mg/L	17:09:11
1	Zn 213.857†	64367.1	60088.0	0.6441 mg/L		0.6441 mg/L	17:09:11
2	B 249.677†	38.9	32.5	0.0214 mg/L		0.0214 mg/L	17:09:01
2	Fe 234.349†	165004.9	155650.2	133.4 mg/L		133.4 mg/L	17:08:59
2	K 766.490†	31918.6	29939.2	16.30 mg/L		16.30 mg/L	17:09:01
2	Li 670.784†	3969.2	3919.5	0.1217 mg/L		0.1217 mg/L	17:09:01
2	Na 589.592†	5489.4	5027.4	0.9236 mg/L		0.9236 mg/L	17:09:01
2	Sr 407.771†	153235.9	144412.2	0.1520 mg/L		0.1520 mg/L	17:08:59
2	Y 371.029	2625972.7	2625972.7	1.06 mg/L			17:09:27
2	Ag 328.068†	290.0	-1110.7	-0.0007 mg/L		-0.0007 mg/L	17:09:29
2	Al 237.313†	720908.5	680140.2	87.80 mg/L		87.80 mg/L	17:09:27
2	As 188.979†	37.3	32.2	0.0975 mg/L		0.0975 mg/L	17:09:39
2	B 182.528†	15.4	11.9	0.0286 mg/L		0.0286 mg/L	17:09:39
2	Ba 233.527†	35116.5	33178.8	0.4571 mg/L		0.4571 mg/L	17:09:29
2	Be 313.107†	8469.3	8504.7	0.0049 mg/L		0.0049 mg/L	17:09:29
2	Ca 315.887†	3785234.2	3570352.9	33.62 mg/L		33.62 mg/L	17:09:24
2	Cd 228.802†	149.3	78.0	0.0025 mg/L		0.0025 mg/L	17:09:39
2	Co 228.616†	2244.5	2182.0	0.0424 mg/L		0.0424 mg/L	17:09:39
2	Cr 267.716†	11757.6	10682.2	0.1144 mg/L		0.1144 mg/L	17:09:29
2	Cu 324.752†	39583.2	36104.5	0.2039 mg/L		0.2039 mg/L	17:09:29
2	Fe 238.204†	14474682.1	13653402.5	115.4 mg/L		115.4 mg/L	17:09:24
2	Mg 279.077†	242799.2	228890.7	20.16 mg/L		20.16 mg/L	17:09:27
2	Mn 257.610†	1581340.4	1490465.6	2.632 mg/L		2.632 mg/L	17:09:27
2	Mo 202.031†	286.0	242.6	-0.0290 mg/L		-0.0290 mg/L	17:09:39
2	Ni 231.604†	2448.4	2328.3	0.0787 mg/L		0.0787 mg/L	17:09:39
2	P 214.914†	16317.7	15049.3	9.292 mg/L		9.292 mg/L	17:09:39
2	Pb 220.353†	7388.4	6911.2	0.5675 mg/L		0.5675 mg/L	17:09:39
2	Sb 206.836†	58.9	18.8	-0.0444 mg/L		-0.0444 mg/L	17:09:39
2	Se 196.026†	-47.7	-45.1	0.0116 mg/L		0.0116 mg/L	17:09:39

2	Sn 189.927†	-195.1	-186.9	0.3451 mg/L	0.3451 mg/L	17:09:39
2	Ti 337.279†	3703322.6	3493698.9	4.942 mg/L	4.942 mg/L	17:09:27
2	Tl 190.801†	19.9	16.8	-0.0760 mg/L	-0.0760 mg/L	17:09:39
2	V 292.402†	38404.2	36908.7	0.2005 mg/L	0.2005 mg/L	17:09:29
2	Zn 213.857†	64658.1	60189.0	0.6452 mg/L	0.6452 mg/L	17:09:29

Mean Data: CJ20523-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2622232.9	1.06 mg/L		0.002				0.20%
Ag 328.068†	-1128.8	-0.0008 mg/L		0.00018	-0.0008 mg/L		0.00018	22.77%
Al 237.313†	680294.6	87.82 mg/L		0.028	87.82 mg/L		0.028	0.03%
As 188.979†	33.8	0.0995 mg/L		0.00294	0.0995 mg/L		0.00294	2.95%
B 182.528†	12.4	0.0296 mg/L		0.00144	0.0296 mg/L		0.00144	4.84%
B 249.677†	34.3	0.0225 mg/L		0.00146	0.0225 mg/L		0.00146	6.50%
Ba 233.527†	33055.0	0.4554 mg/L		0.00242	0.4554 mg/L		0.00242	0.53%
Be 313.107†	8555.6	0.0050 mg/L		0.00004	0.0050 mg/L		0.00004	0.87%
Ca 315.887†	3558866.6	33.51 mg/L		0.153	33.51 mg/L		0.153	0.46%
Cd 228.802†	81.1	0.0026 mg/L		0.00014	0.0026 mg/L		0.00014	5.41%
Co 228.616†	2193.7	0.0426 mg/L		0.00040	0.0426 mg/L		0.00040	0.95%
Cr 267.716†	10655.4	0.1142 mg/L		0.00042	0.1142 mg/L		0.00042	0.37%
Cu 324.752†	36062.4	0.2036 mg/L		0.00033	0.2036 mg/L		0.00033	0.16%
Fe 234.349†	156075.3	133.8 mg/L		0.52	133.8 mg/L		0.52	0.39%
Fe 238.204†	13608680.4	115.0 mg/L		0.53	115.0 mg/L		0.53	0.46%
K 766.490†	29995.0	16.33 mg/L		0.042	16.33 mg/L		0.042	0.26%
Li 670.784†	3912.6	0.1214 mg/L		0.00030	0.1214 mg/L		0.00030	0.25%
Mg 279.077†	228826.5	20.15 mg/L		0.008	20.15 mg/L		0.008	0.04%
Mn 257.610†	1491210.9	2.634 mg/L		0.0019	2.634 mg/L		0.0019	0.07%
Mo 202.031†	238.2	-0.0293 mg/L		0.00050	-0.0293 mg/L		0.00050	1.70%
Na 589.592†	5034.3	0.9248 mg/L		0.00159	0.9248 mg/L		0.00159	0.17%
Ni 231.604†	2329.1	0.0788 mg/L		0.00004	0.0788 mg/L		0.00004	0.05%
P 214.914†	15034.7	9.284 mg/L		0.0110	9.284 mg/L		0.0110	0.12%
Pb 220.353†	6907.4	0.5672 mg/L		0.00047	0.5672 mg/L		0.00047	0.08%
Sb 206.836†	24.2	-0.0400 mg/L		0.00622	-0.0400 mg/L		0.00622	15.54%
Se 196.026†	-39.6	0.0171 mg/L		0.00776	0.0171 mg/L		0.00776	45.37%
Sn 189.927†	-176.7	0.3485 mg/L		0.00477	0.3485 mg/L		0.00477	1.37%
Sr 407.771†	144687.0	0.1522 mg/L		0.00041	0.1522 mg/L		0.00041	0.27%
Ti 337.279†	3496035.2	4.945 mg/L		0.0047	4.945 mg/L		0.0047	0.09%
Tl 190.801†	12.3	-0.0794 mg/L		0.00473	-0.0794 mg/L		0.00473	5.96%
V 292.402†	36891.7	0.2004 mg/L		0.00026	0.2004 mg/L		0.00026	0.13%
Zn 213.857†	60138.5	0.6447 mg/L		0.00077	0.6447 mg/L		0.00077	0.12%

Sequence No.: 23

Sample ID: CJ20523-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 27

Date Collected: 10/6/2012 5:11:16 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20523-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	754.2	699.2	0.4088 mg/L	0.4088 mg/L	17:12:58
1	Fe 234.349†	178579.5	166543.4	142.7 mg/L	142.7 mg/L	17:12:56
1	K 766.490†	74793.9	69581.8	37.62 mg/L	37.62 mg/L	17:12:56
1	Li 670.784†	18824.6	17730.7	0.5483 mg/L	0.5483 mg/L	17:12:58
1	Na 589.592†	138108.0	128644.7	21.14 mg/L	21.14 mg/L	17:12:56
1	Sr 407.771†	203711.8	189844.3	0.1996 mg/L	0.1996 mg/L	17:12:56
1	Y 371.029	2656110.1	2656110.1	1.07 mg/L		17:13:11
1	Ag 328.068†	25414.2	22316.2	0.1994 mg/L	0.1994 mg/L	17:13:14
1	Al 237.313†	802964.6	748947.4	96.69 mg/L	96.69 mg/L	17:13:11
1	As 188.979†	353.5	326.7	0.4681 mg/L	0.4681 mg/L	17:13:24
1	B 182.528†	223.5	205.8	0.4070 mg/L	0.4070 mg/L	17:13:24
1	Ba 233.527†	68762.1	64179.8	0.8859 mg/L	0.8859 mg/L	17:13:14
1	Be 313.107†	79921.2	75047.9	0.0447 mg/L	0.0447 mg/L	17:13:14
1	Ca 315.887†	4637241.4	4324395.9	40.72 mg/L	40.72 mg/L	17:13:11
1	Cd 228.802†	6101.4	5627.2	0.1975 mg/L	0.1975 mg/L	17:13:24
1	Co 228.616†	18921.4	17710.4	0.4315 mg/L	0.4315 mg/L	17:13:14
1	Cr 267.716†	50992.3	47145.4	0.5165 mg/L	0.5165 mg/L	17:13:14
1	Cu 324.752†	123617.7	114048.8	0.6432 mg/L	0.6432 mg/L	17:13:14
1	Fe 238.204†	15134165.4	14113496.9	119.3 mg/L	119.3 mg/L	17:13:08

1	Mg	279.077†	317765.9	296203.7	26.10	mg/L	26.10	mg/L	17:13:11
1	Mn	257.610†	2036684.1	1898180.2	3.353	mg/L	3.353	mg/L	17:13:11
1	Mo	202.031†	8011.8	7444.4	0.3518	mg/L	0.3518	mg/L	17:13:24
1	Ni	231.604†	14354.3	13405.2	0.4719	mg/L	0.4719	mg/L	17:13:14
1	P	214.914†	24399.1	22411.2	13.68	mg/L	13.68	mg/L	17:13:14
1	Pb	220.353†	12647.5	11736.6	0.9806	mg/L	0.9806	mg/L	17:13:24
1	Sb	206.836†	402.0	338.1	0.2208	mg/L	0.2208	mg/L	17:13:24
1	Se	196.026†	784.3	731.3	0.7685	mg/L	0.7685	mg/L	17:13:24
1	Sn	189.927†	1827.1	1701.1	0.7992	mg/L	0.7992	mg/L	17:13:24
1	Ti	337.279†	4120220.4	3842849.0	5.436	mg/L	5.436	mg/L	17:13:11
1	Tl	190.801†	593.0	551.0	0.2887	mg/L	0.2887	mg/L	17:13:24
1	V	292.402†	109095.5	102422.1	0.6140	mg/L	0.6140	mg/L	17:13:14
1	Zn	213.857†	110184.4	101953.4	1.091	mg/L	1.091	mg/L	17:13:14
2	B	249.677†	760.5	706.6	0.4131	mg/L	0.4131	mg/L	17:13:02
2	Fe	234.349†	177462.7	165870.3	142.2	mg/L	142.2	mg/L	17:13:00
2	K	766.490†	74255.1	69233.4	37.44	mg/L	37.44	mg/L	17:13:00
2	Li	670.784†	18961.1	17897.3	0.5534	mg/L	0.5534	mg/L	17:13:02
2	Na	589.592†	137765.9	128611.6	21.14	mg/L	21.14	mg/L	17:13:00
2	Sr	407.771†	202521.4	189154.6	0.1989	mg/L	0.1989	mg/L	17:13:00
2	Y	371.029	2650210.9	2650210.9	1.07	mg/L			17:13:31
2	Ag	328.068†	25455.5	22407.6	0.2002	mg/L	0.2002	mg/L	17:13:33
2	Al	237.313†	802095.4	749801.8	96.80	mg/L	96.80	mg/L	17:13:31
2	As	188.979†	355.6	329.4	0.4712	mg/L	0.4712	mg/L	17:13:43
2	B	182.528†	217.8	201.0	0.3975	mg/L	0.3975	mg/L	17:13:43
2	Ba	233.527†	69251.9	64780.4	0.8942	mg/L	0.8942	mg/L	17:13:33
2	Be	313.107†	80755.4	75993.4	0.0453	mg/L	0.0453	mg/L	17:13:33
2	Ca	315.887†	4639491.8	4336125.4	40.83	mg/L	40.83	mg/L	17:13:31
2	Cd	228.802†	6149.9	5685.2	0.1995	mg/L	0.1995	mg/L	17:13:43
2	Co	228.616†	19054.8	17874.3	0.4356	mg/L	0.4356	mg/L	17:13:33
2	Cr	267.716†	51263.7	47505.0	0.5204	mg/L	0.5204	mg/L	17:13:33
2	Cu	324.752†	124529.0	115157.1	0.6494	mg/L	0.6494	mg/L	17:13:33
2	Fe	238.204†	15135893.3	14146528.0	119.6	mg/L	119.6	mg/L	17:13:28
2	Mg	279.077†	317447.8	296566.0	26.13	mg/L	26.13	mg/L	17:13:31
2	Mn	257.610†	2037550.0	1903217.4	3.362	mg/L	3.362	mg/L	17:13:31
2	Mo	202.031†	8054.6	7501.1	0.3550	mg/L	0.3550	mg/L	17:13:43
2	Ni	231.604†	14446.6	13521.3	0.4760	mg/L	0.4760	mg/L	17:13:33
2	P	214.914†	24593.2	22643.2	13.82	mg/L	13.82	mg/L	17:13:33
2	Pb	220.353†	12700.6	11812.4	0.9871	mg/L	0.9871	mg/L	17:13:43
2	Sb	206.836†	407.5	344.0	0.2261	mg/L	0.2261	mg/L	17:13:43
2	Se	196.026†	795.8	743.7	0.7802	mg/L	0.7802	mg/L	17:13:43
2	Sn	189.927†	1819.9	1698.1	0.7969	mg/L	0.7969	mg/L	17:13:43
2	Ti	337.279†	4118499.3	3849793.2	5.446	mg/L	5.446	mg/L	17:13:31
2	Tl	190.801†	595.3	554.4	0.2914	mg/L	0.2914	mg/L	17:13:43
2	V	292.402†	109968.6	103464.7	0.6207	mg/L	0.6207	mg/L	17:13:33
2	Zn	213.857†	111172.0	103105.1	1.104	mg/L	1.104	mg/L	17:13:33

Mean Data: CJ20523-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2653160.5	1.07	mg/L	0.002				0.16%
Ag 328.068†	22361.9	0.1998	mg/L	0.00052	0.1998	mg/L	0.00052	0.26%
Al 237.313†	749374.6	96.74	mg/L	0.078	96.74	mg/L	0.078	0.08%
As 188.979†	328.0	0.4697	mg/L	0.00218	0.4697	mg/L	0.00218	0.46%
B 182.528†	203.4	0.4023	mg/L	0.00668	0.4023	mg/L	0.00668	1.66%
B 249.677†	702.9	0.4109	mg/L	0.00304	0.4109	mg/L	0.00304	0.74%
Ba 233.527†	64480.1	0.8900	mg/L	0.00587	0.8900	mg/L	0.00587	0.66%
Be 313.107†	75520.7	0.0450	mg/L	0.00040	0.0450	mg/L	0.00040	0.89%
Ca 315.887†	4330260.6	40.78	mg/L	0.078	40.78	mg/L	0.078	0.19%
Cd 228.802†	5656.2	0.1985	mg/L	0.00144	0.1985	mg/L	0.00144	0.73%
Co 228.616†	17792.4	0.4335	mg/L	0.00290	0.4335	mg/L	0.00290	0.67%
Cr 267.716†	47325.2	0.5185	mg/L	0.00280	0.5185	mg/L	0.00280	0.54%
Cu 324.752†	114603.0	0.6463	mg/L	0.00442	0.6463	mg/L	0.00442	0.68%
Fe 234.349†	166206.9	142.4	mg/L	0.41	142.4	mg/L	0.41	0.29%
Fe 238.204†	14130012.5	119.4	mg/L	0.20	119.4	mg/L	0.20	0.17%
K 766.490†	69407.6	37.53	mg/L	0.132	37.53	mg/L	0.132	0.35%
Li 670.784†	17814.0	0.5508	mg/L	0.00364	0.5508	mg/L	0.00364	0.66%
Mg 279.077†	296384.9	26.11	mg/L	0.023	26.11	mg/L	0.023	0.09%
Mn 257.610†	1900698.8	3.358	mg/L	0.0063	3.358	mg/L	0.0063	0.19%
Mo 202.031†	7472.7	0.3534	mg/L	0.00226	0.3534	mg/L	0.00226	0.64%
Na 589.592†	128628.1	21.14	mg/L	0.004	21.14	mg/L	0.004	0.02%
Ni 231.604†	13463.2	0.4740	mg/L	0.00291	0.4740	mg/L	0.00291	0.61%
P 214.914†	22527.2	13.75	mg/L	0.097	13.75	mg/L	0.097	0.70%

2	Mn 257.610†	375023.8	367957.5	0.6477 mg/L	0.6477 mg/L	17:17:43
2	Mo 202.031†	105.0	76.2	-0.0057 mg/L	-0.0057 mg/L	17:17:56
2	Ni 231.604†	504.1	514.9	0.0145 mg/L	0.0145 mg/L	17:17:56
2	P 214.914†	3937.7	3533.1	2.201 mg/L	2.201 mg/L	17:17:56
2	Pb 220.353†	1769.1	1683.2	0.1360 mg/L	0.1360 mg/L	17:17:56
2	Sb 206.836†	42.1	4.7	-0.0108 mg/L	-0.0108 mg/L	17:17:56
2	Se 196.026†	-7.1	-7.0	0.0047 mg/L	0.0047 mg/L	17:17:56
2	Sn 189.927†	-74.3	-76.0	0.0695 mg/L	0.0695 mg/L	17:17:56
2	Ti 337.279†	724831.2	713890.7	1.008 mg/L	1.008 mg/L	17:17:43
2	Tl 190.801†	6.1	4.0	-0.0206 mg/L	-0.0206 mg/L	17:17:56
2	V 292.402†	7892.7	8451.7	0.0444 mg/L	0.0444 mg/L	17:17:46
2	Zn 213.857†	19011.9	17911.8	0.1913 mg/L	0.1913 mg/L	17:17:46

Mean Data: CJ20523-SD1 @5

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2513515.1	1.01 mg/L		0.002			0.17%
Ag 328.068†	-315.4	-0.0018 mg/L		0.00006	-0.0018 mg/L	0.00006	3.07%
Al 237.313†	146733.6	18.94 mg/L		0.389	18.94 mg/L	0.389	2.06%
As 188.979†	7.8	0.0243 mg/L		0.00033	0.0243 mg/L	0.00033	1.38%
B 182.528†	4.1	0.0133 mg/L		0.00066	0.0133 mg/L	0.00066	4.95%
B 249.677†	11.7	0.0094 mg/L		0.00573	0.0094 mg/L	0.00573	60.92%
Ba 233.527†	7541.0	0.1024 mg/L		0.00303	0.1024 mg/L	0.00303	2.96%
Be 313.107†	2011.3	0.0010 mg/L		0.00003	0.0010 mg/L	0.00003	3.32%
Ca 315.887†	858899.9	8.075 mg/L		0.0361	8.075 mg/L	0.0361	0.45%
Cd 228.802†	24.7	0.0008 mg/L		0.00019	0.0008 mg/L	0.00019	23.69%
Co 228.616†	464.0	0.0069 mg/L		0.00032	0.0069 mg/L	0.00032	4.58%
Cr 267.716†	2395.3	0.0232 mg/L		0.00004	0.0232 mg/L	0.00004	0.19%
Cu 324.752†	10538.8	0.0568 mg/L		0.00135	0.0568 mg/L	0.00135	2.37%
Fe 234.349†	36017.5	30.88 mg/L		0.423	30.88 mg/L	0.423	1.37%
Fe 238.204†	3478310.6	29.39 mg/L		0.148	29.39 mg/L	0.148	0.51%
K 766.490†	6418.4	3.649 mg/L		0.0018	3.649 mg/L	0.0018	0.05%
Li 670.784†	776.2	0.0246 mg/L		0.00044	0.0246 mg/L	0.00044	1.79%
Mg 279.077†	49493.2	4.329 mg/L		0.0935	4.329 mg/L	0.0935	2.16%
Mn 257.610†	369289.9	0.6501 mg/L		0.00333	0.6501 mg/L	0.00333	0.51%
Mo 202.031†	75.8	-0.0058 mg/L		0.00016	-0.0058 mg/L	0.00016	2.72%
Na 589.592†	978.3	0.2613 mg/L		0.00431	0.2613 mg/L	0.00431	1.65%
Ni 231.604†	511.6	0.0144 mg/L		0.00017	0.0144 mg/L	0.00017	1.16%
P 214.914†	3547.0	2.210 mg/L		0.0127	2.210 mg/L	0.0127	0.57%
Pb 220.353†	1690.6	0.1365 mg/L		0.00079	0.1365 mg/L	0.00079	0.58%
Sb 206.836†	3.4	-0.0120 mg/L		0.00169	-0.0120 mg/L	0.00169	14.09%
Se 196.026†	-10.0	0.0019 mg/L		0.00395	0.0019 mg/L	0.00395	205.31%
Sn 189.927†	-72.2	0.0713 mg/L		0.00246	0.0713 mg/L	0.00246	3.46%
Sr 407.771†	35842.0	0.0381 mg/L		0.00051	0.0381 mg/L	0.00051	1.34%
Ti 337.279†	716292.7	1.012 mg/L		0.0048	1.012 mg/L	0.0048	0.48%
Tl 190.801†	4.5	-0.0204 mg/L		0.00022	-0.0204 mg/L	0.00022	1.07%
V 292.402†	8564.8	0.0450 mg/L		0.00092	0.0450 mg/L	0.00092	2.04%
Zn 213.857†	18187.7	0.1943 mg/L		0.00419	0.1943 mg/L	0.00419	2.16%

Sequence No.: 25

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/6/2012 5:19:33 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	849.0	831.3	0.4856 mg/L	0.4856 mg/L	17:21:26
1	Fe 234.349†	3050.2	3007.4	2.585 mg/L	2.585 mg/L	17:21:26
1	K 766.490†	46150.9	45247.4	24.53 mg/L	24.53 mg/L	17:21:16
1	Li 670.784†	16473.0	16386.2	0.5067 mg/L	0.5067 mg/L	17:21:16
1	Na 589.592†	153994.8	151392.2	24.87 mg/L	24.87 mg/L	17:21:16
1	Sr 407.771†	47671.0	46781.0	0.0495 mg/L	0.0495 mg/L	17:21:16
1	Y 371.029	2517084.2	2517084.2	1.02 mg/L		17:21:43
1	Ag 328.068†	30197.0	28332.0	0.2398 mg/L	0.2398 mg/L	17:21:45
1	Al 237.313†	19144.8	18967.4	2.446 mg/L	2.446 mg/L	17:21:45
1	As 188.979†	385.9	376.8	0.4720 mg/L	0.4720 mg/L	17:21:55
1	B 182.528†	251.6	244.9	0.4834 mg/L	0.4834 mg/L	17:21:55
1	Ba 233.527†	35231.6	34725.1	0.4784 mg/L	0.4784 mg/L	17:21:45

1	Be 313.107†	83596.9	82781.7	0.0493 mg/L	0.0493 mg/L	17:21:45
1	Ca 315.887†	536757.6	528059.3	4.961 mg/L	4.961 mg/L	17:21:43
1	Cd 228.802†	7393.0	7212.4	0.2534 mg/L	0.2534 mg/L	17:21:55
1	Co 228.616†	19754.4	19504.7	0.4863 mg/L	0.4863 mg/L	17:21:45
1	Cr 267.716†	44890.2	43767.1	0.4794 mg/L	0.4794 mg/L	17:21:45
1	Cu 324.752†	90534.2	87859.4	0.4918 mg/L	0.4918 mg/L	17:21:45
1	Fe 238.204†	291911.2	287106.5	2.416 mg/L	2.416 mg/L	17:21:45
1	Mg 279.077†	56642.1	55605.3	4.868 mg/L	4.868 mg/L	17:21:45
1	Mn 257.610†	288553.7	282791.0	0.4972 mg/L	0.4972 mg/L	17:21:45
1	Mo 202.031†	9499.0	9320.7	0.4955 mg/L	0.4955 mg/L	17:21:55
1	Ni 231.604†	14015.5	13811.2	0.4864 mg/L	0.4864 mg/L	17:21:45
1	P 214.914†	8469.0	7991.4	4.776 mg/L	4.776 mg/L	17:21:55
1	Pb 220.353†	5818.7	5667.9	0.4836 mg/L	0.4836 mg/L	17:21:55
1	Sb 206.836†	624.3	577.5	0.4846 mg/L	0.4846 mg/L	17:21:55
1	Se 196.026†	1013.6	997.4	0.9668 mg/L	0.9668 mg/L	17:21:55
1	Sn 189.927†	2311.4	2271.8	0.5185 mg/L	0.5185 mg/L	17:21:55
1	Ti 337.279†	351264.6	346130.7	0.4877 mg/L	0.4877 mg/L	17:21:45
1	Tl 190.801†	728.3	714.7	0.4897 mg/L	0.4897 mg/L	17:21:55
1	V 292.402†	79407.9	78826.6	0.4973 mg/L	0.4973 mg/L	17:21:45
1	Zn 213.857†	47740.2	46178.9	0.4918 mg/L	0.4918 mg/L	17:21:45
2	B 249.677†	867.1	853.6	0.4985 mg/L	0.4985 mg/L	17:21:39
2	Fe 234.349†	3059.3	3031.9	2.606 mg/L	2.606 mg/L	17:21:39
2	K 766.490†	45808.0	45142.9	24.48 mg/L	24.48 mg/L	17:21:29
2	Li 670.784†	16291.1	16290.0	0.5038 mg/L	0.5038 mg/L	17:21:29
2	Na 589.592†	152827.5	151020.9	24.80 mg/L	24.80 mg/L	17:21:29
2	Sr 407.771†	47394.1	46749.6	0.0495 mg/L	0.0495 mg/L	17:21:29
2	Y 371.029	2504141.6	2504141.6	1.01 mg/L	1.01 mg/L	17:21:58
2	Ag 328.068†	31257.0	29534.0	0.2500 mg/L	0.2500 mg/L	17:22:00
2	Al 237.313†	19766.4	19679.7	2.538 mg/L	2.538 mg/L	17:22:00
2	As 188.979†	383.6	376.5	0.4716 mg/L	0.4716 mg/L	17:22:10
2	B 182.528†	250.9	245.6	0.4846 mg/L	0.4846 mg/L	17:22:10
2	Ba 233.527†	36635.9	36293.3	0.5001 mg/L	0.5001 mg/L	17:22:00
2	Be 313.107†	86676.4	86253.0	0.0514 mg/L	0.0514 mg/L	17:22:00
2	Ca 315.887†	532579.2	526656.2	4.948 mg/L	4.948 mg/L	17:21:58
2	Cd 228.802†	7384.0	7241.1	0.2544 mg/L	0.2544 mg/L	17:22:10
2	Co 228.616†	20636.7	20477.9	0.5107 mg/L	0.5107 mg/L	17:22:00
2	Cr 267.716†	46564.9	45651.9	0.5002 mg/L	0.5002 mg/L	17:22:00
2	Cu 324.752†	93547.7	91300.8	0.5112 mg/L	0.5112 mg/L	17:22:00
2	Fe 238.204†	303441.6	299996.7	2.525 mg/L	2.525 mg/L	17:22:00
2	Mg 279.077†	58911.0	58137.7	5.091 mg/L	5.091 mg/L	17:22:00
2	Mn 257.610†	299680.8	295265.1	0.5193 mg/L	0.5193 mg/L	17:22:00
2	Mo 202.031†	9516.6	9386.3	0.4990 mg/L	0.4990 mg/L	17:22:10
2	Ni 231.604†	14544.9	14406.1	0.5075 mg/L	0.5075 mg/L	17:22:00
2	P 214.914†	8466.0	8031.6	4.799 mg/L	4.799 mg/L	17:22:10
2	Pb 220.353†	5796.5	5675.5	0.4842 mg/L	0.4842 mg/L	17:22:10
2	Sb 206.836†	613.5	570.1	0.4783 mg/L	0.4783 mg/L	17:22:10
2	Se 196.026†	1010.3	999.3	0.9686 mg/L	0.9686 mg/L	17:22:10
2	Sn 189.927†	2287.5	2259.8	0.5159 mg/L	0.5159 mg/L	17:22:10
2	Ti 337.279†	363885.2	360401.1	0.5079 mg/L	0.5079 mg/L	17:22:00
2	Tl 190.801†	730.5	720.6	0.4937 mg/L	0.4937 mg/L	17:22:10
2	V 292.402†	82428.6	82218.4	0.5186 mg/L	0.5186 mg/L	17:22:00
2	Zn 213.857†	49485.5	48148.1	0.5128 mg/L	0.5128 mg/L	17:22:00

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2510612.9	1.01 mg/L	0.004			0.36%
Ag 328.068†	28933.0	0.2449 mg/L	0.00724	0.2449 mg/L	0.00724	2.95%
QC value within limits for Ag 328.068 Recovery = 97.97%						
Al 237.313†	19323.6	2.492 mg/L	0.0652	2.492 mg/L	0.0652	2.62%
QC value within limits for Al 237.313 Recovery = 99.68%						
As 188.979†	376.6	0.4718 mg/L	0.00032	0.4718 mg/L	0.00032	0.07%
QC value within limits for As 188.979 Recovery = 94.36%						
B 182.528†	245.3	0.4840 mg/L	0.00087	0.4840 mg/L	0.00087	0.18%
QC value within limits for B 182.528 Recovery = 96.79%						
B 249.677†	842.4	0.4921 mg/L	0.00913	0.4921 mg/L	0.00913	1.85%
QC value within limits for B 249.677 Recovery = 98.42%						
Ba 233.527†	35509.2	0.4892 mg/L	0.01534	0.4892 mg/L	0.01534	3.14%
QC value within limits for Ba 233.527 Recovery = 97.84%						
Be 313.107†	84517.4	0.0504 mg/L	0.00147	0.0504 mg/L	0.00147	2.91%
QC value within limits for Be 313.107 Recovery = 100.74%						
Ca 315.887†	527357.8	4.954 mg/L	0.0092	4.954 mg/L	0.0092	0.19%

	QC value within limits for Ca	315.887	Recovery =	99.09%			
Cd	228.802†	7226.8	0.2539 mg/L	0.00072	0.2539 mg/L	0.00072	0.28%
	QC value within limits for Cd	228.802	Recovery =	101.56%			
Co	228.616†	19991.3	0.4985 mg/L	0.01725	0.4985 mg/L	0.01725	3.46%
	QC value within limits for Co	228.616	Recovery =	99.70%			
Cr	267.716†	44709.5	0.4898 mg/L	0.01468	0.4898 mg/L	0.01468	3.00%
	QC value within limits for Cr	267.716	Recovery =	97.95%			
Cu	324.752†	89580.1	0.5015 mg/L	0.01371	0.5015 mg/L	0.01371	2.73%
	QC value within limits for Cu	324.752	Recovery =	100.30%			
Fe	234.349†	3019.6	2.595 mg/L	0.0146	2.595 mg/L	0.0146	0.56%
	QC value within limits for Fe	234.349	Recovery =	103.82%			
Fe	238.204†	293551.6	2.470 mg/L	0.0771	2.470 mg/L	0.0771	3.12%
	QC value within limits for Fe	238.204	Recovery =	98.80%			
K	766.490†	45195.1	24.51 mg/L	0.040	24.51 mg/L	0.040	0.16%
	QC value within limits for K	766.490	Recovery =	98.02%			
Li	670.784†	16338.1	0.5053 mg/L	0.00210	0.5053 mg/L	0.00210	0.42%
	QC value within limits for Li	670.784	Recovery =	101.05%			
Mg	279.077†	56871.5	4.980 mg/L	0.1580	4.980 mg/L	0.1580	3.17%
	QC value within limits for Mg	279.077	Recovery =	99.59%			
Mn	257.610†	289028.0	0.5083 mg/L	0.01560	0.5083 mg/L	0.01560	3.07%
	QC value within limits for Mn	257.610	Recovery =	101.66%			
Mo	202.031†	9353.5	0.4973 mg/L	0.00246	0.4973 mg/L	0.00246	0.49%
	QC value within limits for Mo	202.031	Recovery =	99.46%			
Na	589.592†	151206.6	24.83 mg/L	0.043	24.83 mg/L	0.043	0.17%
	QC value within limits for Na	589.592	Recovery =	99.34%			
Ni	231.604†	14108.6	0.4970 mg/L	0.01491	0.4970 mg/L	0.01491	3.00%
	QC value within limits for Ni	231.604	Recovery =	99.40%			
P	214.914†	8011.5	4.788 mg/L	0.0167	4.788 mg/L	0.0167	0.35%
	QC value within limits for P	214.914	Recovery =	95.75%			
Pb	220.353†	5671.7	0.4839 mg/L	0.00042	0.4839 mg/L	0.00042	0.09%
	QC value within limits for Pb	220.353	Recovery =	96.78%			
Sb	206.836†	573.8	0.4814 mg/L	0.00443	0.4814 mg/L	0.00443	0.92%
	QC value within limits for Sb	206.836	Recovery =	96.28%			
Se	196.026†	998.3	0.9677 mg/L	0.00130	0.9677 mg/L	0.00130	0.13%
	QC value within limits for Se	196.026	Recovery =	96.77%			
Sn	189.927†	2265.8	0.5172 mg/L	0.00186	0.5172 mg/L	0.00186	0.36%
	QC value within limits for Sn	189.927	Recovery =	103.44%			
Sr	407.771†	46765.3	0.0495 mg/L	0.00002	0.0495 mg/L	0.00002	0.05%
	QC value within limits for Sr	407.771	Recovery =	99.03%			
Ti	337.279†	353265.9	0.4978 mg/L	0.01428	0.4978 mg/L	0.01428	2.87%
	QC value within limits for Ti	337.279	Recovery =	99.57%			
Tl	190.801†	717.7	0.4917 mg/L	0.00280	0.4917 mg/L	0.00280	0.57%
	QC value within limits for Tl	190.801	Recovery =	98.34%			
V	292.402†	80522.5	0.5079 mg/L	0.01512	0.5079 mg/L	0.01512	2.98%
	QC value within limits for V	292.402	Recovery =	101.59%			
Zn	213.857†	47163.5	0.5023 mg/L	0.01486	0.5023 mg/L	0.01486	2.96%
	QC value within limits for Zn	213.857	Recovery =	100.47%			

All analyte(s) passed QC.

Sequence No.: 26
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/6/2012 5:23:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1.0	-3.2	0.0008 mg/L	0.0008 mg/L	17:25:45
1	Fe 234.349†	3.2	8.8	0.0260 mg/L	0.0260 mg/L	17:25:45
1	K 766.490†	139.3	-35.9	0.1779 mg/L	0.1779 mg/L	17:25:35
1	Li 670.784†	-168.9	14.5	0.0010 mg/L	0.0010 mg/L	17:25:35
1	Na 589.592†	-115.3	-260.5	0.0587 mg/L	0.0587 mg/L	17:25:35
1	Sr 407.771†	131.1	-6.0	0.0004 mg/L	0.0004 mg/L	17:25:35
1	Y 371.029	2599273.4	2599273.4	1.05 mg/L		17:26:09
1	Ag 328.068†	1244.1	-198.7	-0.0032 mg/L	-0.0032 mg/L	17:26:11
1	Al 237.313†	-99.4	32.8	-0.0036 mg/L	-0.0036 mg/L	17:26:21
1	As 188.979†	3.0	-0.1	0.0015 mg/L	0.0015 mg/L	17:26:21
1	B 182.528†	5.8	2.8	0.0109 mg/L	0.0109 mg/L	17:26:21
1	Ba 233.527†	-60.6	-3.3	-0.0020 mg/L	-0.0020 mg/L	17:26:21
1	Be 313.107†	-459.9	77.6	-0.0001 mg/L	-0.0001 mg/L	17:26:11

1	Ca	315.887†	408.2	237.3	-0.0140	mg/L	-0.0140	mg/L	17:26:11
1	Cd	228.802†	63.6	-2.2	-0.0001	mg/L	-0.0001	mg/L	17:26:21
1	Co	228.616†	-67.3	0.7	-0.0027	mg/L	-0.0027	mg/L	17:26:21
1	Cr	267.716†	383.7	-42.7	-0.0037	mg/L	-0.0037	mg/L	17:26:21
1	Cu	324.752†	1459.0	157.1	-0.0024	mg/L	-0.0024	mg/L	17:26:11
1	Fe	238.204†	627.7	441.5	-0.0080	mg/L	-0.0080	mg/L	17:26:21
1	Mg	279.077†	154.5	12.3	-0.0367	mg/L	-0.0367	mg/L	17:26:11
1	Mn	257.610†	461.2	-728.7	-0.0042	mg/L	-0.0042	mg/L	17:26:21
1	Mo	202.031†	36.4	7.6	0.0002	mg/L	0.0002	mg/L	17:26:21
1	Ni	231.604†	-23.8	-3.9	-0.0039	mg/L	-0.0039	mg/L	17:26:21
1	P	214.914†	354.9	-4.5	0.0252	mg/L	0.0252	mg/L	17:26:21
1	Pb	220.353†	77.8	16.0	-0.0025	mg/L	-0.0025	mg/L	17:26:21
1	Sb	206.836†	32.3	-6.0	-0.0062	mg/L	-0.0062	mg/L	17:26:21
1	Se	196.026†	6.8	6.4	0.0047	mg/L	0.0047	mg/L	17:26:21
1	Sn	189.927†	5.7	2.5	-0.0020	mg/L	-0.0020	mg/L	17:26:21
1	Ti	337.279†	-114.2	350.3	-0.0016	mg/L	-0.0016	mg/L	17:26:11
1	Tl	190.801†	3.1	0.9	-0.0038	mg/L	-0.0038	mg/L	17:26:21
1	V	292.402†	-559.8	149.6	-0.0012	mg/L	-0.0012	mg/L	17:26:11
1	Zn	213.857†	1021.1	171.9	0.0008	mg/L	0.0008	mg/L	17:26:21
2	B	249.677†	4.0	-0.3	0.0025	mg/L	0.0025	mg/L	17:26:05
2	Fe	234.349†	0.0	5.8	0.0234	mg/L	0.0234	mg/L	17:26:05
2	K	766.490†	152.8	-20.3	0.1863	mg/L	0.1863	mg/L	17:25:55
2	Li	670.784†	-140.4	39.1	0.0018	mg/L	0.0018	mg/L	17:25:55
2	Na	589.592†	-117.0	-264.2	0.0581	mg/L	0.0581	mg/L	17:25:55
2	Sr	407.771†	150.0	14.7	0.0005	mg/L	0.0005	mg/L	17:25:55
2	Y	371.029	2550716.2	2550716.2	1.03	mg/L			17:26:23
2	Ag	328.068†	1273.1	-147.9	-0.0028	mg/L	-0.0028	mg/L	17:26:26
2	Al	237.313†	-90.1	40.0	-0.0026	mg/L	-0.0026	mg/L	17:26:36
2	As	188.979†	3.2	0.1	0.0017	mg/L	0.0017	mg/L	17:26:36
2	B	182.528†	1.2	-1.5	0.0024	mg/L	0.0024	mg/L	17:26:36
2	Ba	233.527†	-53.7	2.3	-0.0019	mg/L	-0.0019	mg/L	17:26:36
2	Be	313.107†	-402.5	125.0	-0.0001	mg/L	-0.0001	mg/L	17:26:26
2	Ca	315.887†	466.6	301.3	-0.0134	mg/L	-0.0134	mg/L	17:26:26
2	Cd	228.802†	64.8	0.1	0.0000	mg/L	0.0000	mg/L	17:26:36
2	Co	228.616†	-67.2	-0.4	-0.0027	mg/L	-0.0027	mg/L	17:26:36
2	Cr	267.716†	387.3	-32.3	-0.0036	mg/L	-0.0036	mg/L	17:26:36
2	Cu	324.752†	1355.8	83.4	-0.0029	mg/L	-0.0029	mg/L	17:26:26
2	Fe	238.204†	674.2	498.1	-0.0075	mg/L	-0.0075	mg/L	17:26:36
2	Mg	279.077†	116.9	-21.4	-0.0397	mg/L	-0.0397	mg/L	17:26:26
2	Mn	257.610†	449.0	-732.2	-0.0042	mg/L	-0.0042	mg/L	17:26:36
2	Mo	202.031†	29.9	1.9	-0.0001	mg/L	-0.0001	mg/L	17:26:36
2	Ni	231.604†	-5.9	13.0	-0.0033	mg/L	-0.0033	mg/L	17:26:36
2	P	214.914†	352.3	-0.6	0.0275	mg/L	0.0275	mg/L	17:26:36
2	Pb	220.353†	55.7	-4.0	-0.0042	mg/L	-0.0042	mg/L	17:26:36
2	Sb	206.836†	36.6	-1.3	-0.0023	mg/L	-0.0023	mg/L	17:26:36
2	Se	196.026†	3.9	3.7	0.0021	mg/L	0.0021	mg/L	17:26:36
2	Sn	189.927†	6.5	3.4	-0.0019	mg/L	-0.0019	mg/L	17:26:36
2	Ti	337.279†	-82.9	378.6	-0.0015	mg/L	-0.0015	mg/L	17:26:26
2	Tl	190.801†	2.5	0.4	-0.0042	mg/L	-0.0042	mg/L	17:26:36
2	V	292.402†	-641.1	60.5	-0.0018	mg/L	-0.0018	mg/L	17:26:26
2	Zn	213.857†	997.3	167.3	0.0007	mg/L	0.0007	mg/L	17:26:36

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2574994.8	1.04 mg/L	0.014			1.33%
Ag 328.068†	-173.3	-0.0030 mg/L	0.00031	-0.0030 mg/L	0.00031	10.18%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	36.4	-0.0031 mg/L	0.00066	-0.0031 mg/L	0.00066	21.35%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-0.0	0.0016 mg/L	0.00016	0.0016 mg/L	0.00016	10.28%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	0.7	0.0067 mg/L	0.00597	0.0067 mg/L	0.00597	89.65%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-1.7	0.0016 mg/L	0.00119	0.0016 mg/L	0.00119	72.63%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	-0.5	-0.0019 mg/L	0.00005	-0.0019 mg/L	0.00005	2.86%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	101.3	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	19.53%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	269.3	-0.0137 mg/L	0.00042	-0.0137 mg/L	0.00042	3.10%
QC value within limits for Ca 315.887 Recovery = Not calculated						

Cd	228.802†	-1.0	-0.0001 mg/L	0.00006	-0.0001 mg/L	0.00006	77.62%
	QC value within limits for Cd 228.802 Recovery = Not calculated						
Co	228.616†	0.2	-0.0027 mg/L	0.00002	-0.0027 mg/L	0.00002	0.73%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr	267.716†	-37.5	-0.0036 mg/L	0.00008	-0.0036 mg/L	0.00008	2.24%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu	324.752†	120.2	-0.0026 mg/L	0.00029	-0.0026 mg/L	0.00029	11.09%
	QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe	234.349†	7.3	0.0247 mg/L	0.00184	0.0247 mg/L	0.00184	7.45%
	QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated						
Fe	238.204†	469.8	-0.0077 mg/L	0.00034	-0.0077 mg/L	0.00034	4.36%
	QC value within limits for Fe 238.204 Recovery = Not calculated						
K	766.490†	-28.1	0.1821 mg/L	0.00594	0.1821 mg/L	0.00594	3.26%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li	670.784†	26.8	0.0014 mg/L	0.00054	0.0014 mg/L	0.00054	38.06%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	-4.5	-0.0382 mg/L	0.00210	-0.0382 mg/L	0.00210	5.50%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn	257.610†	-730.5	-0.0042 mg/L	0.00000	-0.0042 mg/L	0.00000	0.11%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	4.7	0.0000 mg/L	0.00021	0.0000 mg/L	0.00021	>999.9%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na	589.592†	-262.3	0.0584 mg/L	0.00043	0.0584 mg/L	0.00043	0.73%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	4.5	-0.0036 mg/L	0.00042	-0.0036 mg/L	0.00042	11.72%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-2.5	0.0264 mg/L	0.00166	0.0264 mg/L	0.00166	6.28%
	QC value greater than the upper limit for P 214.914 Recovery = Not calculated						
Pb	220.353†	6.0	-0.0034 mg/L	0.00122	-0.0034 mg/L	0.00122	36.20%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-3.6	-0.0043 mg/L	0.00282	-0.0043 mg/L	0.00282	66.23%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	5.0	0.0034 mg/L	0.00187	0.0034 mg/L	0.00187	55.12%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	3.0	-0.0020 mg/L	0.00013	-0.0020 mg/L	0.00013	6.78%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	4.4	0.0005 mg/L	0.00002	0.0005 mg/L	0.00002	3.33%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	364.5	-0.0015 mg/L	0.00003	-0.0015 mg/L	0.00003	1.84%
	QC value less than the lower limit for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	0.7	-0.0040 mg/L	0.00027	-0.0040 mg/L	0.00027	6.65%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	105.1	-0.0015 mg/L	0.00040	-0.0015 mg/L	0.00040	26.23%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	169.6	0.0007 mg/L	0.00004	0.0007 mg/L	0.00004	4.88%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

Sequence No.: 27
Sample ID: CJ20523-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 10/6/2012 5:28:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20523-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	900.7	848.6	0.4957 mg/L	0.4957 mg/L	0.4957 mg/L	17:29:57
1	Fe 234.349†	162481.8	153838.4	131.8 mg/L	131.8 mg/L	131.8 mg/L	17:29:55
1	K 766.490†	73927.8	69823.8	37.75 mg/L	37.75 mg/L	37.75 mg/L	17:29:55
1	Li 670.784†	20031.0	19140.2	0.5918 mg/L	0.5918 mg/L	0.5918 mg/L	17:29:57
1	Na 589.592†	152982.3	144688.2	23.77 mg/L	23.77 mg/L	23.77 mg/L	17:29:55
1	Sr 407.771†	207161.9	196003.4	0.2061 mg/L	0.2061 mg/L	0.2061 mg/L	17:29:55
1	Y 371.029	2616274.3	2616274.3	1.06 mg/L	1.06 mg/L	1.06 mg/L	17:30:09
1	Ag 328.068†	28364.2	25470.1	0.2254 mg/L	0.2254 mg/L	0.2254 mg/L	17:30:11
1	Al 237.313†	693692.3	656893.5	84.80 mg/L	84.80 mg/L	84.80 mg/L	17:30:09
1	As 188.979†	404.9	380.3	0.5304 mg/L	0.5304 mg/L	0.5304 mg/L	17:30:21
1	B 182.528†	253.4	237.3	0.4683 mg/L	0.4683 mg/L	0.4683 mg/L	17:30:21
1	Ba 233.527†	67761.3	64208.6	0.8863 mg/L	0.8863 mg/L	0.8863 mg/L	17:30:11
1	Be 313.107†	87763.2	83607.3	0.0498 mg/L	0.0498 mg/L	0.0498 mg/L	17:30:11
1	Ca 315.887†	4428468.4	4192582.6	39.48 mg/L	39.48 mg/L	39.48 mg/L	17:30:06

1	Cd	228.802†	6844.3	6417.1	0.2252	mg/L	0.2252	mg/L	17:30:21
1	Co	228.616†	20451.0	19427.2	0.4755	mg/L	0.4755	mg/L	17:30:11
1	Cr	267.716†	54190.5	50897.5	0.5579	mg/L	0.5579	mg/L	17:30:11
1	Cu	324.752†	135529.8	127082.1	0.7162	mg/L	0.7162	mg/L	17:30:11
1	Fe	238.204†	14552689.5	13777871.0	116.4	mg/L	116.4	mg/L	17:30:06
1	Mg	279.077†	270951.1	256393.0	22.59	mg/L	22.59	mg/L	17:30:09
1	Mn	257.610†	1939541.6	1835128.6	3.242	mg/L	3.242	mg/L	17:30:09
1	Mo	202.031†	9171.6	8656.2	0.4197	mg/L	0.4197	mg/L	17:30:21
1	Ni	231.604†	15410.0	14608.5	0.5146	mg/L	0.5146	mg/L	17:30:11
1	P	214.914†	23591.0	21992.6	13.41	mg/L	13.41	mg/L	17:30:11
1	Pb	220.353†	12564.2	11837.2	0.9924	mg/L	0.9924	mg/L	17:30:21
1	Sb	206.836†	602.6	533.8	0.3905	mg/L	0.3905	mg/L	17:30:21
1	Se	196.026†	882.7	835.7	0.8651	mg/L	0.8651	mg/L	17:30:21
1	Sn	189.927†	2011.9	1902.0	0.8128	mg/L	0.8128	mg/L	17:30:21
1	Ti	337.279†	3724808.9	3526990.8	4.989	mg/L	4.989	mg/L	17:30:09
1	Tl	190.801†	667.9	630.4	0.3507	mg/L	0.3507	mg/L	17:30:21
1	V	292.402†	115715.6	110239.0	0.6661	mg/L	0.6661	mg/L	17:30:11
1	Zn	213.857†	118018.0	110934.6	1.187	mg/L	1.187	mg/L	17:30:11
2	B	249.677†	883.1	832.2	0.4861	mg/L	0.4861	mg/L	17:30:01
2	Fe	234.349†	163648.4	154985.0	132.8	mg/L	132.8	mg/L	17:29:59
2	K	766.490†	74377.3	70268.4	37.99	mg/L	37.99	mg/L	17:29:59
2	Li	670.784†	19832.0	18956.9	0.5861	mg/L	0.5861	mg/L	17:30:01
2	Na	589.592†	153836.0	145536.0	23.91	mg/L	23.91	mg/L	17:29:59
2	Sr	407.771†	208311.9	197145.8	0.2073	mg/L	0.2073	mg/L	17:29:59
2	Y	371.029	2615564.0	2615564.0	1.06	mg/L	1.06	mg/L	17:30:27
2	Ag	328.068†	28368.2	25481.2	0.2256	mg/L	0.2256	mg/L	17:30:29
2	Al	237.313†	694123.7	657480.4	84.88	mg/L	84.88	mg/L	17:30:27
2	As	188.979†	404.5	380.1	0.5305	mg/L	0.5305	mg/L	17:30:40
2	B	182.528†	249.3	233.4	0.4609	mg/L	0.4609	mg/L	17:30:40
2	Ba	233.527†	68099.8	64546.7	0.8909	mg/L	0.8909	mg/L	17:30:29
2	Be	313.107†	87585.4	83461.5	0.0497	mg/L	0.0497	mg/L	17:30:29
2	Ca	315.887†	4381989.3	4149704.2	39.08	mg/L	39.08	mg/L	17:30:24
2	Cd	228.802†	6823.9	6399.6	0.2246	mg/L	0.2246	mg/L	17:30:40
2	Co	228.616†	20435.1	19417.5	0.4753	mg/L	0.4753	mg/L	17:30:29
2	Cr	267.716†	54487.2	51192.4	0.5611	mg/L	0.5611	mg/L	17:30:29
2	Cu	324.752†	135211.6	126815.6	0.7147	mg/L	0.7147	mg/L	17:30:29
2	Fe	238.204†	14429038.3	13664511.7	115.5	mg/L	115.5	mg/L	17:30:24
2	Mg	279.077†	271327.4	256819.1	22.62	mg/L	22.62	mg/L	17:30:27
2	Mn	257.610†	1941899.1	1837859.9	3.247	mg/L	3.247	mg/L	17:30:27
2	Mo	202.031†	9126.8	8616.2	0.4173	mg/L	0.4173	mg/L	17:30:40
2	Ni	231.604†	15419.0	14621.0	0.5151	mg/L	0.5151	mg/L	17:30:29
2	P	214.914†	23685.2	22087.8	13.47	mg/L	13.47	mg/L	17:30:29
2	Pb	220.353†	12513.9	11792.8	0.9886	mg/L	0.9886	mg/L	17:30:40
2	Sb	206.836†	587.0	519.1	0.3777	mg/L	0.3777	mg/L	17:30:40
2	Se	196.026†	883.8	836.9	0.8667	mg/L	0.8667	mg/L	17:30:40
2	Sn	189.927†	2010.3	1901.0	0.8155	mg/L	0.8155	mg/L	17:30:40
2	Ti	337.279†	3722855.6	3526098.6	4.988	mg/L	4.988	mg/L	17:30:27
2	Tl	190.801†	665.8	628.6	0.3489	mg/L	0.3489	mg/L	17:30:40
2	V	292.402†	115944.7	110485.6	0.6675	mg/L	0.6675	mg/L	17:30:29
2	Zn	213.857†	118329.9	111260.3	1.191	mg/L	1.191	mg/L	17:30:29

Mean Data: CJ20523-PDS1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2615919.1	1.06	mg/L	0.000				0.02%
Ag 328.068†	25475.6	0.2255	mg/L	0.00012	0.2255	mg/L	0.00012	0.05%
Al 237.313†	657187.0	84.84	mg/L	0.054	84.84	mg/L	0.054	0.06%
As 188.979†	380.2	0.5305	mg/L	0.00007	0.5305	mg/L	0.00007	0.01%
B 182.528†	235.3	0.4646	mg/L	0.00530	0.4646	mg/L	0.00530	1.14%
B 249.677†	840.4	0.4909	mg/L	0.00676	0.4909	mg/L	0.00676	1.38%
Ba 233.527†	64377.6	0.8886	mg/L	0.00331	0.8886	mg/L	0.00331	0.37%
Be 313.107†	83534.4	0.0498	mg/L	0.00006	0.0498	mg/L	0.00006	0.12%
Ca 315.887†	4171143.4	39.28	mg/L	0.286	39.28	mg/L	0.286	0.73%
Cd 228.802†	6408.3	0.2249	mg/L	0.00044	0.2249	mg/L	0.00044	0.20%
Co 228.616†	19422.3	0.4754	mg/L	0.00017	0.4754	mg/L	0.00017	0.04%
Cr 267.716†	51045.0	0.5595	mg/L	0.00229	0.5595	mg/L	0.00229	0.41%
Cu 324.752†	126948.9	0.7154	mg/L	0.00106	0.7154	mg/L	0.00106	0.15%
Fe 234.349†	154411.7	132.3	mg/L	0.70	132.3	mg/L	0.70	0.53%
Fe 238.204†	13721191.3	116.0	mg/L	0.68	116.0	mg/L	0.68	0.58%
K 766.490†	70046.1	37.87	mg/L	0.169	37.87	mg/L	0.169	0.45%
Li 670.784†	19048.5	0.5890	mg/L	0.00400	0.5890	mg/L	0.00400	0.68%
Mg 279.077†	256606.1	22.60	mg/L	0.027	22.60	mg/L	0.027	0.12%

Mn 257.610†	1836494.3	3.244 mg/L	0.0034	3.244 mg/L	0.0034	0.11%
Mo 202.031†	8636.2	0.4185 mg/L	0.00173	0.4185 mg/L	0.00173	0.41%
Na 589.592†	145112.1	23.84 mg/L	0.098	23.84 mg/L	0.098	0.41%
Ni 231.604†	14614.8	0.5149 mg/L	0.00031	0.5149 mg/L	0.00031	0.06%
P 214.914†	22040.2	13.44 mg/L	0.042	13.44 mg/L	0.042	0.31%
Pb 220.353†	11815.0	0.9905 mg/L	0.00273	0.9905 mg/L	0.00273	0.28%
Sb 206.836†	526.4	0.3841 mg/L	0.00903	0.3841 mg/L	0.00903	2.35%
Se 196.026†	836.3	0.8659 mg/L	0.00115	0.8659 mg/L	0.00115	0.13%
Sn 189.927†	1901.5	0.8142 mg/L	0.00187	0.8142 mg/L	0.00187	0.23%
Sr 407.771†	196574.6	0.2067 mg/L	0.00085	0.2067 mg/L	0.00085	0.41%
Ti 337.279†	3526544.7	4.988 mg/L	0.0009	4.988 mg/L	0.0009	0.02%
Tl 190.801†	629.5	0.3498 mg/L	0.00129	0.3498 mg/L	0.00129	0.37%
V 292.402†	110362.3	0.6668 mg/L	0.00096	0.6668 mg/L	0.00096	0.14%
Zn 213.857†	111097.4	1.189 mg/L	0.0025	1.189 mg/L	0.0025	0.21%

Sequence No.: 28
Sample ID: 1210148-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 10/6/2012 5:32:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210148-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	115.5	110.9	0.0670	mg/L	0.0670	mg/L	17:34:00
1	Fe 234.349†	228906.4	227943.7	195.2	mg/L	195.2	mg/L	17:33:58
1	K 766.490†	30300.8	30003.9	16.34	mg/L	16.34	mg/L	17:34:00
1	Li 670.784†	4884.1	5038.9	0.1562	mg/L	0.1562	mg/L	17:34:00
1	Na 589.592†	44753.3	44413.4	7.366	mg/L	7.366	mg/L	17:33:58
1	Sr 407.771†	881233.7	877374.7	0.9209	mg/L	0.9209	mg/L	17:33:58
1	Y 371.029	2487529.3	2487529.3	1.00	mg/L			17:34:14
1	Ag 328.068†	-440.3	-1822.6	-0.0019	mg/L	-0.0019	mg/L	17:34:17
1	Al 237.313†	800628.9	797369.4	102.9	mg/L	102.9	mg/L	17:34:14
1	As 188.979†	36.1	33.0	0.1242	mg/L	0.1242	mg/L	17:34:27
1	B 182.528†	19.7	16.9	0.0384	mg/L	0.0384	mg/L	17:34:27
1	Ba 233.527†	69457.3	69217.9	0.9558	mg/L	0.9558	mg/L	17:34:17
1	Be 313.107†	11283.1	11751.2	0.0069	mg/L	0.0069	mg/L	17:34:17
1	Ca 315.887†	28961109.9	28838440.3	271.6	mg/L	271.6	mg/L	17:34:11
1	Cd 228.802†	213.7	150.0	0.0051	mg/L	0.0051	mg/L	17:34:27
1	Co 228.616†	3671.0	3720.3	0.0761	mg/L	0.0761	mg/L	17:34:27
1	Cr 267.716†	24475.6	23963.7	0.2607	mg/L	0.2607	mg/L	17:34:17
1	Cu 324.752†	122392.5	120641.5	0.6819	mg/L	0.6819	mg/L	17:34:17
1	Fe 238.204†	18476107.7	18397789.1	155.5	mg/L	155.5	mg/L	17:34:11
1	Mg 279.077†	500119.3	497868.7	43.88	mg/L	43.88	mg/L	17:34:14
1	Mn 257.610†	1980851.0	1971303.0	3.483	mg/L	3.483	mg/L	17:34:14
1	Mo 202.031†	735.0	704.8	-0.0239	mg/L	-0.0239	mg/L	17:34:27
1	Ni 231.604†	7378.9	7366.5	0.2573	mg/L	0.2573	mg/L	17:34:27
1	P 214.914†	10603.4	10215.8	6.553	mg/L	6.553	mg/L	17:34:27
1	Pb 220.353†	16998.7	16868.6	1.421	mg/L	1.421	mg/L	17:34:27
1	Sb 206.836†	91.2	54.0	-0.0421	mg/L	-0.0421	mg/L	17:34:27
1	Se 196.026†	-70.3	-70.0	0.0138	mg/L	0.0138	mg/L	17:34:27
1	Sn 189.927†	628.1	622.6	0.7092	mg/L	0.7092	mg/L	17:34:27
1	Ti 337.279†	5293025.1	5271092.5	7.457	mg/L	7.457	mg/L	17:34:14
1	Tl 190.801†	36.5	34.4	-0.1029	mg/L	-0.1029	mg/L	17:34:27
1	V 292.402†	58843.8	59277.9	0.3279	mg/L	0.3279	mg/L	17:34:17
1	Zn 213.857†	134422.6	133052.8	1.427	mg/L	1.427	mg/L	17:34:17
2	B 249.677†	119.0	116.1	0.0700	mg/L	0.0700	mg/L	17:34:04
2	Fe 234.349†	226819.8	229168.2	196.2	mg/L	196.2	mg/L	17:34:02
2	K 766.490†	30140.8	30283.4	16.49	mg/L	16.49	mg/L	17:34:04
2	Li 670.784†	4883.0	5108.9	0.1584	mg/L	0.1584	mg/L	17:34:04
2	Na 589.592†	44375.2	44683.0	7.410	mg/L	7.410	mg/L	17:34:02
2	Sr 407.771†	874602.3	883504.5	0.9273	mg/L	0.9273	mg/L	17:34:02
2	Y 371.029	2451684.1	2451684.1	0.990	mg/L			17:34:35
2	Ag 328.068†	-373.0	-1761.0	-0.0013	mg/L	-0.0013	mg/L	17:34:37
2	Al 237.313†	783437.5	791656.6	102.2	mg/L	102.2	mg/L	17:34:35
2	As 188.979†	39.3	36.7	0.1293	mg/L	0.1293	mg/L	17:34:47
2	B 182.528†	19.2	16.8	0.0381	mg/L	0.0381	mg/L	17:34:47
2	Ba 233.527†	67898.1	68653.8	0.9480	mg/L	0.9480	mg/L	17:34:37
2	Be 313.107†	11172.3	11803.5	0.0069	mg/L	0.0069	mg/L	17:34:37
2	Ca 315.887†	28889781.8	29188014.3	274.9	mg/L	274.9	mg/L	17:34:31
2	Cd 228.802†	209.8	149.1	0.0050	mg/L	0.0050	mg/L	17:34:47

2	Co	228.616†	3678.5	3781.3	0.0777	mg/L	0.0777	mg/L	17:34:47
2	Cr	267.716†	23949.6	23788.6	0.2588	mg/L	0.2588	mg/L	17:34:37
2	Cu	324.752†	120253.5	120262.3	0.6797	mg/L	0.6797	mg/L	17:34:37
2	Fe	238.204†	18438569.2	18628852.8	157.4	mg/L	157.4	mg/L	17:34:31
2	Mg	279.077†	487822.1	492725.6	43.43	mg/L	43.43	mg/L	17:34:35
2	Mn	257.610†	1936959.6	1955797.0	3.455	mg/L	3.455	mg/L	17:34:35
2	Mo	202.031†	728.9	709.3	-0.0240	mg/L	-0.0240	mg/L	17:34:47
2	Ni	231.604†	7365.7	7460.5	0.2607	mg/L	0.2607	mg/L	17:34:47
2	P	214.914†	10662.7	10430.1	6.683	mg/L	6.683	mg/L	17:34:47
2	Pb	220.353†	16988.8	17106.1	1.442	mg/L	1.442	mg/L	17:34:47
2	Sb	206.836†	95.0	59.1	-0.0382	mg/L	-0.0382	mg/L	17:34:47
2	Se	196.026†	-60.1	-60.8	0.0232	mg/L	0.0232	mg/L	17:34:47
2	Sn	189.927†	631.2	634.9	0.7151	mg/L	0.7151	mg/L	17:34:47
2	Ti	337.279†	5181467.1	5235442.4	7.406	mg/L	7.406	mg/L	17:34:35
2	Tl	190.801†	34.5	32.9	-0.1045	mg/L	-0.1045	mg/L	17:34:47
2	V	292.402†	57674.6	58953.3	0.3257	mg/L	0.3257	mg/L	17:34:37
2	Zn	213.857†	131500.3	132057.3	1.416	mg/L	1.416	mg/L	17:34:37

Mean Data: 1210148-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2469606.7	0.997 mg/L	0.0102			1.03%
Ag 328.068†	-1791.8	-0.0016 mg/L	0.00043	-0.0016 mg/L	0.00043	26.42%
Al 237.313†	794513.0	102.6 mg/L	0.52	102.6 mg/L	0.52	0.51%
As 188.979†	34.8	0.1268 mg/L	0.00355	0.1268 mg/L	0.00355	2.80%
B 182.528†	16.9	0.0382 mg/L	0.00022	0.0382 mg/L	0.00022	0.59%
B 249.677†	113.5	0.0685 mg/L	0.00213	0.0685 mg/L	0.00213	3.11%
Ba 233.527†	68935.8	0.9519 mg/L	0.00552	0.9519 mg/L	0.00552	0.58%
Be 313.107†	11777.3	0.0069 mg/L	0.00002	0.0069 mg/L	0.00002	0.32%
Ca 315.887†	29013227.3	273.3 mg/L	2.33	273.3 mg/L	2.33	0.85%
Cd 228.802†	149.6	0.0050 mg/L	0.00004	0.0050 mg/L	0.00004	0.74%
Co 228.616†	3750.8	0.0769 mg/L	0.00115	0.0769 mg/L	0.00115	1.50%
Cr 267.716†	23876.2	0.2598 mg/L	0.00136	0.2598 mg/L	0.00136	0.52%
Cu 324.752†	120451.9	0.6808 mg/L	0.00154	0.6808 mg/L	0.00154	0.23%
Fe 234.349†	228556.0	195.7 mg/L	0.74	195.7 mg/L	0.74	0.38%
Fe 238.204†	18513320.9	156.5 mg/L	1.38	156.5 mg/L	1.38	0.88%
K 766.490†	30143.6	16.41 mg/L	0.106	16.41 mg/L	0.106	0.65%
Li 670.784†	5073.9	0.1573 mg/L	0.00153	0.1573 mg/L	0.00153	0.97%
Mg 279.077†	495297.1	43.66 mg/L	0.321	43.66 mg/L	0.321	0.73%
Mn 257.610†	1963550.0	3.469 mg/L	0.0194	3.469 mg/L	0.0194	0.56%
Mo 202.031†	707.0	-0.0240 mg/L	0.00006	-0.0240 mg/L	0.00006	0.25%
Na 589.592†	44548.2	7.388 mg/L	0.0312	7.388 mg/L	0.0312	0.42%
Ni 231.604†	7413.5	0.2590 mg/L	0.00236	0.2590 mg/L	0.00236	0.91%
P 214.914†	10323.0	6.618 mg/L	0.0919	6.618 mg/L	0.0919	1.39%
Pb 220.353†	16987.4	1.432 mg/L	0.0146	1.432 mg/L	0.0146	1.02%
Sb 206.836†	56.6	-0.0402 mg/L	0.00274	-0.0402 mg/L	0.00274	6.81%
Se 196.026†	-65.4	0.0185 mg/L	0.00662	0.0185 mg/L	0.00662	35.75%
Sn 189.927†	628.7	0.7122 mg/L	0.00413	0.7122 mg/L	0.00413	0.58%
Sr 407.771†	880439.6	0.9241 mg/L	0.00455	0.9241 mg/L	0.00455	0.49%
Ti 337.279†	5253267.4	7.432 mg/L	0.0357	7.432 mg/L	0.0357	0.48%
Tl 190.801†	33.6	-0.1037 mg/L	0.00111	-0.1037 mg/L	0.00111	1.07%
V 292.402†	59115.6	0.3268 mg/L	0.00156	0.3268 mg/L	0.00156	0.48%
Zn 213.857†	132555.1	1.421 mg/L	0.0076	1.421 mg/L	0.0076	0.53%

Sequence No.: 29

Sample ID: 1210148-02

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 31

Date Collected: 10/6/2012 5:36:26 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210148-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	335.8	316.4	0.1863 mg/L	0.1863 mg/L	17:38:08
1	Fe 234.349†	514842.5	491500.7	421.3 mg/L	421.3 mg/L	17:38:06
1	K 766.490†	127570.9	121617.0	65.61 mg/L	65.61 mg/L	17:38:06
1	Li 670.784†	20341.2	19594.2	0.6058 mg/L	0.6058 mg/L	17:38:08
1	Na 589.592†	213681.1	203840.3	33.44 mg/L	33.44 mg/L	17:38:06
1	Sr 407.771†	364557.1	347893.9	0.3654 mg/L	0.3654 mg/L	17:38:06
1	Y 371.029	2594671.9	2594671.9	1.05 mg/L		17:38:23

1	Ag	328.068†	-1905.1	-3203.0	0.0038	mg/L	0.0038	mg/L	17:38:25
1	Al	237.313†	2140691.9	2043741.0	263.8	mg/L	263.8	mg/L	17:38:23
1	As	188.979†	119.1	110.7	0.3155	mg/L	0.3155	mg/L	17:38:36
1	B	182.528†	107.9	100.4	0.2012	mg/L	0.2012	mg/L	17:38:36
1	Ba	233.527†	59584.2	56936.5	0.7856	mg/L	0.7856	mg/L	17:38:25
1	Be	313.107†	18007.0	17706.2	0.0105	mg/L	0.0105	mg/L	17:38:25
1	Ca	315.887†	6691343.5	6387745.8	60.16	mg/L	60.16	mg/L	17:38:20
1	Cd	228.802†	206.0	133.8	0.0040	mg/L	0.0040	mg/L	17:38:36
1	Co	228.616†	7503.2	7227.8	0.1477	mg/L	0.1477	mg/L	17:38:36
1	Cr	267.716†	48844.8	46221.4	0.5058	mg/L	0.5058	mg/L	17:38:25
1	Cu	324.752†	201642.5	191264.9	1.086	mg/L	1.086	mg/L	17:38:25
1	Fe	238.204†	35171582.5	33576428.2	283.8	mg/L	283.8	mg/L	17:38:20
1	Mg	279.077†	1382528.5	1319697.3	116.4	mg/L	116.4	mg/L	17:38:23
1	Mn	257.610†	3657000.9	3489991.2	6.168	mg/L	6.168	mg/L	17:38:23
1	Mo	202.031†	540.9	489.3	-0.1060	mg/L	-0.1060	mg/L	17:38:36
1	Ni	231.604†	10114.0	9674.2	0.3391	mg/L	0.3391	mg/L	17:38:36
1	P	214.914†	20061.7	18809.2	12.19	mg/L	12.19	mg/L	17:38:36
1	Pb	220.353†	7818.0	7405.3	0.5606	mg/L	0.5606	mg/L	17:38:36
1	Sb	206.836†	124.0	81.5	-0.1188	mg/L	-0.1188	mg/L	17:38:36
1	Se	196.026†	-116.7	-111.4	0.0699	mg/L	0.0699	mg/L	17:38:36
1	Sn	189.927†	-144.7	-141.0	1.197	mg/L	1.197	mg/L	17:38:36
1	Ti	337.279†	11716253.5	11185391.8	15.83	mg/L	15.83	mg/L	17:38:20
1	Tl	190.801†	24.9	21.7	-0.2528	mg/L	-0.2528	mg/L	17:38:36
1	V	292.402†	126770.4	121704.6	0.6708	mg/L	0.6708	mg/L	17:38:25
1	Zn	213.857†	109855.0	104072.0	1.114	mg/L	1.114	mg/L	17:38:25
2	B	249.677†	335.7	316.1	0.1862	mg/L	0.1862	mg/L	17:38:13
2	Fe	234.349†	513781.6	490141.5	420.1	mg/L	420.1	mg/L	17:38:10
2	K	766.490†	127477.4	121441.8	65.52	mg/L	65.52	mg/L	17:38:10
2	Li	670.784†	20298.4	19539.7	0.6042	mg/L	0.6042	mg/L	17:38:13
2	Na	589.592†	213456.8	203482.3	33.39	mg/L	33.39	mg/L	17:38:10
2	Sr	407.771†	364032.5	347147.6	0.3646	mg/L	0.3646	mg/L	17:38:10
2	Y	371.029	2596505.6	2596505.6	1.05	mg/L	1.05	mg/L	17:38:44
2	Ag	328.068†	-2067.9	-3356.9	0.0024	mg/L	0.0024	mg/L	17:38:46
2	Al	237.313†	2145876.7	2047244.0	264.3	mg/L	264.3	mg/L	17:38:44
2	As	188.979†	133.9	124.7	0.3324	mg/L	0.3324	mg/L	17:38:57
2	B	182.528†	105.8	98.3	0.1972	mg/L	0.1972	mg/L	17:38:57
2	Ba	233.527†	60577.1	57843.6	0.7981	mg/L	0.7981	mg/L	17:38:46
2	Be	313.107†	18338.7	18010.6	0.0106	mg/L	0.0106	mg/L	17:38:46
2	Ca	315.887†	6770646.4	6458887.6	60.83	mg/L	60.83	mg/L	17:38:41
2	Cd	228.802†	209.8	137.3	0.0041	mg/L	0.0041	mg/L	17:38:57
2	Co	228.616†	7590.0	7305.5	0.1494	mg/L	0.1494	mg/L	17:38:57
2	Cr	267.716†	49714.6	47018.2	0.5146	mg/L	0.5146	mg/L	17:38:46
2	Cu	324.752†	204686.0	194032.4	1.102	mg/L	1.102	mg/L	17:38:46
2	Fe	238.204†	35526962.6	33891740.3	286.4	mg/L	286.4	mg/L	17:38:41
2	Mg	279.077†	1388724.0	1324675.5	116.8	mg/L	116.8	mg/L	17:38:44
2	Mn	257.610†	3673305.8	3503080.2	6.191	mg/L	6.191	mg/L	17:38:44
2	Mo	202.031†	549.5	497.1	-0.1052	mg/L	-0.1052	mg/L	17:38:57
2	Ni	231.604†	10141.6	9693.6	0.3398	mg/L	0.3398	mg/L	17:38:57
2	P	214.914†	20153.7	18883.5	12.23	mg/L	12.23	mg/L	17:38:57
2	Pb	220.353†	7866.5	7446.3	0.5640	mg/L	0.5640	mg/L	17:38:57
2	Sb	206.836†	127.8	85.1	-0.1153	mg/L	-0.1153	mg/L	17:38:57
2	Se	196.026†	-94.5	-90.3	0.0900	mg/L	0.0900	mg/L	17:38:57
2	Sn	189.927†	-176.6	-171.4	1.187	mg/L	1.187	mg/L	17:38:57
2	Ti	337.279†	11802818.6	11260073.9	15.93	mg/L	15.93	mg/L	17:38:41
2	Tl	190.801†	25.3	22.1	-0.2521	mg/L	-0.2521	mg/L	17:38:57
2	V	292.402†	129190.2	123927.5	0.6849	mg/L	0.6849	mg/L	17:38:46
2	Zn	213.857†	112114.5	106153.5	1.136	mg/L	1.136	mg/L	17:38:46

Mean Data: 1210148-02

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2595588.7	1.05	mg/L	0.001				0.05%
Ag 328.068†	-3279.9	0.0031	mg/L	0.00099	0.0031	mg/L	0.00099	31.86%
Al 237.313†	2045492.5	264.1	mg/L	0.32	264.1	mg/L	0.32	0.12%
As 188.979†	117.7	0.3239	mg/L	0.01198	0.3239	mg/L	0.01198	3.70%
B 182.528†	99.3	0.1992	mg/L	0.00281	0.1992	mg/L	0.00281	1.41%
B 249.677†	316.3	0.1863	mg/L	0.00012	0.1863	mg/L	0.00012	0.06%
Ba 233.527†	57390.1	0.7919	mg/L	0.00887	0.7919	mg/L	0.00887	1.12%
Be 313.107†	17858.4	0.0106	mg/L	0.00013	0.0106	mg/L	0.00013	1.22%
Ca 315.887†	6423316.7	60.50	mg/L	0.474	60.50	mg/L	0.474	0.78%
Cd 228.802†	135.6	0.0041	mg/L	0.00003	0.0041	mg/L	0.00003	0.81%
Co 228.616†	7266.7	0.1486	mg/L	0.00123	0.1486	mg/L	0.00123	0.83%

Cr 267.716†	46619.8	0.5102 mg/L	0.00621	0.5102 mg/L	0.00621	1.22%
Cu 324.752†	192648.7	1.094 mg/L	0.0111	1.094 mg/L	0.0111	1.01%
Fe 234.349†	490821.1	420.7 mg/L	0.82	420.7 mg/L	0.82	0.20%
Fe 238.204†	33734084.2	285.1 mg/L	1.88	285.1 mg/L	1.88	0.66%
K 766.490†	121529.4	65.56 mg/L	0.067	65.56 mg/L	0.067	0.10%
Li 670.784†	19567.0	0.6050 mg/L	0.00119	0.6050 mg/L	0.00119	0.20%
Mg 279.077†	1322186.4	116.6 mg/L	0.31	116.6 mg/L	0.31	0.27%
Mn 257.610†	3496535.7	6.179 mg/L	0.0164	6.179 mg/L	0.0164	0.26%
Mo 202.031†	493.2	-0.1056 mg/L	0.00054	-0.1056 mg/L	0.00054	0.51%
Na 589.592†	203661.3	33.41 mg/L	0.041	33.41 mg/L	0.041	0.12%
Ni 231.604†	9683.9	0.3394 mg/L	0.00049	0.3394 mg/L	0.00049	0.14%
P 214.914†	18846.3	12.21 mg/L	0.029	12.21 mg/L	0.029	0.24%
Pb 220.353†	7425.8	0.5623 mg/L	0.00239	0.5623 mg/L	0.00239	0.42%
Sb 206.836†	83.3	-0.1171 mg/L	0.00252	-0.1171 mg/L	0.00252	2.15%
Se 196.026†	-100.8	0.0799 mg/L	0.01418	0.0799 mg/L	0.01418	17.74%
Sn 189.927†	-156.2	1.192 mg/L	0.0073	1.192 mg/L	0.0073	0.61%
Sr 407.771†	347520.7	0.3650 mg/L	0.00055	0.3650 mg/L	0.00055	0.15%
Ti 337.279†	11222732.8	15.88 mg/L	0.075	15.88 mg/L	0.075	0.47%
Tl 190.801†	21.9	-0.2524 mg/L	0.00052	-0.2524 mg/L	0.00052	0.21%
V 292.402†	122816.0	0.6778 mg/L	0.00998	0.6778 mg/L	0.00998	1.47%
Zn 213.857†	105112.7	1.125 mg/L	0.0158	1.125 mg/L	0.0158	1.40%

Sequence No.: 30
Sample ID: 1210148-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 10/6/2012 5:40:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210148-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	749.6	707.0	0.4138	mg/L	0.4138	mg/L	17:42:21
1	Fe 234.349†	515520.3	489135.2	419.2	mg/L	419.2	mg/L	17:42:19
1	K 766.490†	154685.1	146597.7	79.05	mg/L	79.05	mg/L	17:42:19
1	Li 670.784†	21061.6	20158.9	0.6233	mg/L	0.6233	mg/L	17:42:21
1	Na 589.592†	419372.9	397753.5	65.16	mg/L	65.16	mg/L	17:42:19
1	Sr 407.771†	427268.4	405264.4	0.4256	mg/L	0.4256	mg/L	17:42:19
1	Y 371.029	2610652.2	2610652.2	1.05	mg/L			17:42:36
1	Ag 328.068†	-1915.9	-3202.0	0.0037	mg/L	0.0037	mg/L	17:42:36
1	Al 237.313†	2161759.2	2051220.5	264.8	mg/L	264.8	mg/L	17:42:36
1	As 188.979†	130.0	120.3	0.3265	mg/L	0.3265	mg/L	17:42:47
1	B 182.528†	151.5	141.1	0.2807	mg/L	0.2807	mg/L	17:42:47
1	Ba 233.527†	52370.8	49744.2	0.6861	mg/L	0.6861	mg/L	17:42:36
1	Be 313.107†	20436.8	19906.4	0.0118	mg/L	0.0118	mg/L	17:42:36
1	Ca 315.887†	6375430.0	6048903.1	56.97	mg/L	56.97	mg/L	17:42:33
1	Cd 228.802†	241.7	166.5	0.0052	mg/L	0.0052	mg/L	17:42:47
1	Co 228.616†	6435.6	6171.0	0.1181	mg/L	0.1181	mg/L	17:42:47
1	Cr 267.716†	51131.3	48105.4	0.5266	mg/L	0.5266	mg/L	17:42:36
1	Cu 324.752†	46348.3	42742.3	0.2511	mg/L	0.2511	mg/L	17:42:36
1	Fe 238.204†	35059303.6	33264368.4	281.1	mg/L	281.1	mg/L	17:42:33
1	Mg 279.077†	1391040.1	1319694.2	116.4	mg/L	116.4	mg/L	17:42:36
1	Mn 257.610†	2685444.8	2546801.6	4.500	mg/L	4.500	mg/L	17:42:36
1	Mo 202.031†	1195.2	1106.9	-0.0718	mg/L	-0.0718	mg/L	17:42:47
1	Ni 231.604†	9352.1	8892.2	0.3114	mg/L	0.3114	mg/L	17:42:47
1	P 214.914†	16665.0	15469.1	10.22	mg/L	10.22	mg/L	17:42:47
1	Pb 220.353†	2902.6	2695.9	0.1548	mg/L	0.1548	mg/L	17:42:47
1	Sb 206.836†	120.3	77.4	-0.1214	mg/L	-0.1214	mg/L	17:42:47
1	Se 196.026†	-96.6	-91.8	0.0881	mg/L	0.0881	mg/L	17:42:47
1	Sn 189.927†	-287.5	-275.7	1.161	mg/L	1.161	mg/L	17:42:47
1	Ti 337.279†	12950490.3	12287979.6	17.39	mg/L	17.39	mg/L	17:42:33
1	Tl 190.801†	19.5	16.5	-0.2575	mg/L	-0.2575	mg/L	17:42:47
1	V 292.402†	130489.4	124492.4	0.6877	mg/L	0.6877	mg/L	17:42:36
1	Zn 213.857†	88266.1	82946.4	0.8885	mg/L	0.8885	mg/L	17:42:36
2	B 249.677†	715.7	677.8	0.3968	mg/L	0.3968	mg/L	17:42:25
2	Fe 234.349†	518096.9	493642.6	423.1	mg/L	423.1	mg/L	17:42:23
2	K 766.490†	155538.5	148026.6	79.82	mg/L	79.82	mg/L	17:42:23
2	Li 670.784†	20196.1	19418.1	0.6004	mg/L	0.6004	mg/L	17:42:25
2	Na 589.592†	420733.2	400719.2	65.65	mg/L	65.65	mg/L	17:42:23
2	Sr 407.771†	428736.2	408364.0	0.4288	mg/L	0.4288	mg/L	17:42:23
2	Y 371.029	2599743.6	2599743.6	1.05	mg/L			17:42:55
2	Ag 328.068†	-1877.7	-3173.3	0.0042	mg/L	0.0042	mg/L	17:42:55

2	Al	237.313†	2149845.2	2048475.4	264.5	mg/L	264.5	mg/L	17:42:55
2	As	188.979†	137.0	127.5	0.3371	mg/L	0.3371	mg/L	17:43:06
2	B	182.528†	156.5	146.5	0.2913	mg/L	0.2913	mg/L	17:43:06
2	Ba	233.527†	52323.4	49907.6	0.6883	mg/L	0.6883	mg/L	17:42:55
2	Be	313.107†	20373.9	19927.9	0.0118	mg/L	0.0118	mg/L	17:42:55
2	Ca	315.887†	6300998.7	6003367.8	56.54	mg/L	56.54	mg/L	17:42:52
2	Cd	228.802†	238.0	163.9	0.0050	mg/L	0.0050	mg/L	17:43:06
2	Co	228.616†	6523.4	6280.3	0.1210	mg/L	0.1210	mg/L	17:43:06
2	Cr	267.716†	50798.1	47991.5	0.5254	mg/L	0.5254	mg/L	17:42:55
2	Cu	324.752†	46227.1	42811.4	0.2514	mg/L	0.2514	mg/L	17:42:55
2	Fe	238.204†	34753808.5	33112874.8	279.9	mg/L	279.9	mg/L	17:42:52
2	Mg	279.077†	1385482.0	1319936.5	116.4	mg/L	116.4	mg/L	17:42:55
2	Mn	257.610†	2673258.4	2545881.9	4.499	mg/L	4.499	mg/L	17:42:55
2	Mo	202.031†	1196.4	1112.8	-0.0727	mg/L	-0.0727	mg/L	17:43:06
2	Ni	231.604†	9423.3	8997.2	0.3151	mg/L	0.3151	mg/L	17:43:06
2	P	214.914†	16830.4	15693.1	10.36	mg/L	10.36	mg/L	17:43:06
2	Pb	220.353†	2839.1	2647.0	0.1507	mg/L	0.1507	mg/L	17:43:06
2	Sb	206.836†	116.8	74.4	-0.1256	mg/L	-0.1256	mg/L	17:43:06
2	Se	196.026†	-103.6	-98.7	0.0830	mg/L	0.0830	mg/L	17:43:06
2	Sn	189.927†	-315.9	-303.8	1.166	mg/L	1.166	mg/L	17:43:06
2	Ti	337.279†	12832966.6	12227563.1	17.30	mg/L	17.30	mg/L	17:42:52
2	Tl	190.801†	25.7	22.4	-0.2554	mg/L	-0.2554	mg/L	17:43:06
2	V	292.402†	129825.3	124379.1	0.6863	mg/L	0.6863	mg/L	17:42:55
2	Zn	213.857†	87751.7	82807.7	0.8870	mg/L	0.8870	mg/L	17:42:55

Mean Data: 1210148-03

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2605197.9	1.05	mg/L	0.003				0.30%
Ag 328.068†	-3187.6	0.0039	mg/L	0.00038	0.0039	mg/L	0.00038	9.76%
Al 237.313†	2049848.0	264.6	mg/L	0.25	264.6	mg/L	0.25	0.09%
As 188.979†	123.9	0.3318	mg/L	0.00748	0.3318	mg/L	0.00748	2.25%
B 182.528†	143.8	0.2860	mg/L	0.00745	0.2860	mg/L	0.00745	2.61%
B 249.677†	692.4	0.4053	mg/L	0.01205	0.4053	mg/L	0.01205	2.97%
Ba 233.527†	49825.9	0.6872	mg/L	0.00160	0.6872	mg/L	0.00160	0.23%
Be 313.107†	19917.2	0.0118	mg/L	0.00001	0.0118	mg/L	0.00001	0.08%
Ca 315.887†	6026135.4	56.76	mg/L	0.303	56.76	mg/L	0.303	0.53%
Cd 228.802†	165.2	0.0051	mg/L	0.00009	0.0051	mg/L	0.00009	1.83%
Co 228.616†	6225.6	0.1196	mg/L	0.00206	0.1196	mg/L	0.00206	1.72%
Cr 267.716†	48048.5	0.5260	mg/L	0.00089	0.5260	mg/L	0.00089	0.17%
Cu 324.752†	42776.9	0.2512	mg/L	0.00023	0.2512	mg/L	0.00023	0.09%
Fe 234.349†	491388.9	421.2	mg/L	2.73	421.2	mg/L	2.73	0.65%
Fe 238.204†	33188621.6	280.5	mg/L	0.91	280.5	mg/L	0.91	0.32%
K 766.490†	147312.1	79.43	mg/L	0.543	79.43	mg/L	0.543	0.68%
Li 670.784†	19788.5	0.6118	mg/L	0.01618	0.6118	mg/L	0.01618	2.64%
Mg 279.077†	1319815.3	116.4	mg/L	0.02	116.4	mg/L	0.02	0.01%
Mn 257.610†	2546341.7	4.499	mg/L	0.0011	4.499	mg/L	0.0011	0.03%
Mo 202.031†	1109.9	-0.0723	mg/L	0.00063	-0.0723	mg/L	0.00063	0.87%
Na 589.592†	399236.3	65.41	mg/L	0.343	65.41	mg/L	0.343	0.52%
Ni 231.604†	8944.7	0.3133	mg/L	0.00263	0.3133	mg/L	0.00263	0.84%
P 214.914†	15581.1	10.29	mg/L	0.101	10.29	mg/L	0.101	0.98%
Pb 220.353†	2671.4	0.1527	mg/L	0.00291	0.1527	mg/L	0.00291	1.91%
Sb 206.836†	75.9	-0.1235	mg/L	0.00295	-0.1235	mg/L	0.00295	2.39%
Se 196.026†	-95.2	0.0856	mg/L	0.00363	0.0856	mg/L	0.00363	4.24%
Sn 189.927†	-289.7	1.163	mg/L	0.0035	1.163	mg/L	0.0035	0.30%
Sr 407.771†	406814.2	0.4272	mg/L	0.00230	0.4272	mg/L	0.00230	0.54%
Ti 337.279†	12257771.3	17.34	mg/L	0.060	17.34	mg/L	0.060	0.35%
Tl 190.801†	19.5	-0.2564	mg/L	0.00148	-0.2564	mg/L	0.00148	0.58%
V 292.402†	124435.7	0.6870	mg/L	0.00097	0.6870	mg/L	0.00097	0.14%
Zn 213.857†	82877.0	0.8878	mg/L	0.00107	0.8878	mg/L	0.00107	0.12%

Sequence No.: 31

Sample ID: CJ20511-BLK1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 33

Date Collected: 10/6/2012 5:44:44 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20511-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
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1	B 249.677†	135.6	142.7	0.0857 mg/L	0.0857 mg/L	17:46:48
1	Fe 234.349†	65.6	76.8	0.0834 mg/L	0.0834 mg/L	17:46:48
1	K 766.490†	1102.2	1025.0	0.7485 mg/L	0.7485 mg/L	17:46:38
1	Li 670.784†	-171.2	-9.9	0.0003 mg/L	0.0003 mg/L	17:46:38
1	Na 589.592†	8130329.1	8805495.4	1440 mg/L	1440 mg/L	17:46:28
1	Sr 407.771†	1153.6	1118.4	0.0016 mg/L	0.0016 mg/L	17:46:38
1	Y 371.029	2287041.1	2287041.1	0.923 mg/L		17:47:15
1	Ag 328.068†	1239.1	-42.2	-0.0019 mg/L	-0.0019 mg/L	17:47:17
1	Al 237.313†	101.1	237.0	0.0228 mg/L	0.0228 mg/L	17:47:28
1	As 188.979†	1.1	-1.8	-0.0006 mg/L	-0.0006 mg/L	17:47:28
1	B 182.528†	35.0	35.2	0.0741 mg/L	0.0741 mg/L	17:47:28
1	Ba 233.527†	831.3	954.7	0.0113 mg/L	0.0113 mg/L	17:47:28
1	Be 313.107†	-411.1	70.6	-0.0001 mg/L	-0.0001 mg/L	17:47:17
1	Ca 315.887†	90038.6	97365.6	0.9010 mg/L	0.9010 mg/L	17:47:17
1	Cd 228.802†	68.7	11.6	0.0004 mg/L	0.0004 mg/L	17:47:28
1	Co 228.616†	-65.5	-6.0	-0.0029 mg/L	-0.0029 mg/L	17:47:28
1	Cr 267.716†	448.8	77.7	-0.0024 mg/L	-0.0024 mg/L	17:47:17
1	Cu 324.752†	1616.0	517.0	-0.0004 mg/L	-0.0004 mg/L	17:47:17
1	Fe 238.204†	5473.0	5770.9	0.0371 mg/L	0.0371 mg/L	17:47:17
1	Mg 279.077†	1478.4	1466.2	0.0915 mg/L	0.0915 mg/L	17:47:17
1	Mn 257.610†	2849.1	1917.5	0.0005 mg/L	0.0005 mg/L	17:47:28
1	Mo 202.031†	-24.8	-53.9	-0.0031 mg/L	-0.0031 mg/L	17:47:28
1	Ni 231.604†	87.0	113.1	0.0002 mg/L	0.0002 mg/L	17:47:28
1	P 214.914†	338.2	23.6	0.0420 mg/L	0.0420 mg/L	17:47:28
1	Pb 220.353†	62.4	9.4	-0.0031 mg/L	-0.0031 mg/L	17:47:28
1	Sb 206.836†	34.9	1.1	-0.0003 mg/L	-0.0003 mg/L	17:47:28
1	Se 196.026†	10.6	11.5	0.0096 mg/L	0.0096 mg/L	17:47:28
1	Sn 189.927†	-11.7	-15.5	-0.0060 mg/L	-0.0060 mg/L	17:47:28
1	Ti 337.279†	1275.5	1840.6	0.0005 mg/L	0.0005 mg/L	17:47:17
1	Tl 190.801†	-1.4	-3.5	-0.0069 mg/L	-0.0069 mg/L	17:47:28
1	V 292.402†	-607.9	24.7	-0.0020 mg/L	-0.0020 mg/L	17:47:17
1	Zn 213.857†	1797.5	1145.6	0.0112 mg/L	0.0112 mg/L	17:47:28
2	B 249.677†	133.7	139.8	0.0840 mg/L	0.0840 mg/L	17:47:12
2	Fe 234.349†	45.1	54.4	0.0642 mg/L	0.0642 mg/L	17:47:12
2	K 766.490†	1113.0	1029.6	0.7510 mg/L	0.7510 mg/L	17:47:01
2	Li 670.784†	-150.4	13.5	0.0010 mg/L	0.0010 mg/L	17:47:01
2	Na 589.592†	8224502.7	8855104.3	1449 mg/L	1449 mg/L	17:46:51
2	Sr 407.771†	1150.7	1108.0	0.0016 mg/L	0.0016 mg/L	17:47:01
2	Y 371.029	2300571.0	2300571.0	0.929 mg/L		17:47:30
2	Ag 328.068†	1307.6	23.7	-0.0013 mg/L	-0.0013 mg/L	17:47:32
2	Al 237.313†	103.9	239.4	0.0231 mg/L	0.0231 mg/L	17:47:42
2	As 188.979†	7.5	5.1	0.0080 mg/L	0.0080 mg/L	17:47:42
2	B 182.528†	30.5	30.2	0.0643 mg/L	0.0643 mg/L	17:47:42
2	Ba 233.527†	829.5	947.6	0.0112 mg/L	0.0112 mg/L	17:47:42
2	Be 313.107†	-441.1	41.0	-0.0001 mg/L	-0.0001 mg/L	17:47:32
2	Ca 315.887†	91190.9	98032.7	0.9073 mg/L	0.9073 mg/L	17:47:32
2	Cd 228.802†	67.9	10.2	0.0003 mg/L	0.0003 mg/L	17:47:42
2	Co 228.616†	-56.2	4.4	-0.0026 mg/L	-0.0026 mg/L	17:47:42
2	Cr 267.716†	479.1	107.5	-0.0020 mg/L	-0.0020 mg/L	17:47:32
2	Cu 324.752†	1624.8	516.2	-0.0004 mg/L	-0.0004 mg/L	17:47:32
2	Fe 238.204†	5381.2	5637.2	0.0359 mg/L	0.0359 mg/L	17:47:32
2	Mg 279.077†	1517.6	1499.0	0.0944 mg/L	0.0944 mg/L	17:47:32
2	Mn 257.610†	2744.8	1787.1	0.0003 mg/L	0.0003 mg/L	17:47:42
2	Mo 202.031†	-45.2	-75.8	-0.0043 mg/L	-0.0043 mg/L	17:47:42
2	Ni 231.604†	82.5	107.6	0.0000 mg/L	0.0000 mg/L	17:47:42
2	P 214.914†	338.7	22.0	0.0410 mg/L	0.0410 mg/L	17:47:42
2	Pb 220.353†	78.6	26.5	-0.0016 mg/L	-0.0016 mg/L	17:47:42
2	Sb 206.836†	34.2	0.1	-0.0011 mg/L	-0.0011 mg/L	17:47:42
2	Se 196.026†	4.1	4.3	0.0027 mg/L	0.0027 mg/L	17:47:42
2	Sn 189.927†	-12.0	-15.7	-0.0061 mg/L	-0.0061 mg/L	17:47:42
2	Ti 337.279†	1152.5	1700.0	0.0003 mg/L	0.0003 mg/L	17:47:32
2	Tl 190.801†	4.7	3.0	-0.0024 mg/L	-0.0024 mg/L	17:47:42
2	V 292.402†	-609.8	26.5	-0.0020 mg/L	-0.0020 mg/L	17:47:32
2	Zn 213.857†	1793.1	1129.4	0.0110 mg/L	0.0110 mg/L	17:47:42

Mean Data: CJ20511-BLK1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2293806.0	0.926 mg/L	0.0039			0.42%
Ag 328.068†	-9.2	-0.0016 mg/L	0.00040	-0.0016 mg/L	0.00040	24.76%
Al 237.313†	238.2	0.0230 mg/L	0.00022	0.0230 mg/L	0.00022	0.95%
As 188.979†	1.7	0.0037 mg/L	0.00605	0.0037 mg/L	0.00605	162.43%

2	Fe 234.349†	2973.0	3291.0	2.827 mg/L	2.827 mg/L	17:51:33
2	K 766.490†	55461.8	61117.8	33.07 mg/L	33.07 mg/L	17:51:22
2	Li 670.784†	19326.9	21532.1	0.6657 mg/L	0.6657 mg/L	17:51:22
2	Na 589.592†	8427711.6	9312657.7	1523 mg/L	1523 mg/L	17:51:20
2	Sr 407.771†	45531.7	50182.6	0.0531 mg/L	0.0531 mg/L	17:51:22
2	Y 371.029	2241589.4	2241589.4	0.905 mg/L		17:51:51
2	Ag 328.068†	30267.7	32062.3	0.2716 mg/L	0.2716 mg/L	17:51:54
2	Al 237.313†	17751.7	19743.5	2.546 mg/L	2.546 mg/L	17:51:54
2	As 188.979†	392.2	430.4	0.5389 mg/L	0.5389 mg/L	17:52:04
2	B 182.528†	271.9	297.8	0.5865 mg/L	0.5865 mg/L	17:52:04
2	Ba 233.527†	33809.5	37414.6	0.5156 mg/L	0.5156 mg/L	17:51:54
2	Be 313.107†	77539.7	86198.9	0.0514 mg/L	0.0514 mg/L	17:51:54
2	Ca 315.887†	554178.7	612228.0	5.754 mg/L	5.754 mg/L	17:51:51
2	Cd 228.802†	7108.9	7792.7	0.2737 mg/L	0.2737 mg/L	17:52:04
2	Co 228.616†	17717.7	19643.3	0.4897 mg/L	0.4897 mg/L	17:51:54
2	Cr 267.716†	42209.1	46233.7	0.5066 mg/L	0.5066 mg/L	17:51:54
2	Cu 324.752†	87686.7	95662.5	0.5358 mg/L	0.5358 mg/L	17:51:54
2	Fe 238.204†	271289.3	299624.0	2.521 mg/L	2.521 mg/L	17:51:54
2	Mg 279.077†	49975.5	55089.2	4.823 mg/L	4.823 mg/L	17:51:54
2	Mn 257.610†	262706.8	289128.7	0.5085 mg/L	0.5085 mg/L	17:51:54
2	Mo 202.031†	8721.4	9610.3	0.5109 mg/L	0.5109 mg/L	17:52:04
2	Ni 231.604†	12807.7	14171.6	0.4992 mg/L	0.4992 mg/L	17:51:54
2	P 214.914†	8646.5	9211.9	5.502 mg/L	5.502 mg/L	17:52:04
2	Pb 220.353†	5278.4	5774.7	0.4927 mg/L	0.4927 mg/L	17:52:04
2	Sb 206.836†	602.7	629.2	0.5280 mg/L	0.5280 mg/L	17:52:04
2	Se 196.026†	1096.4	1211.5	1.175 mg/L	1.175 mg/L	17:52:04
2	Sn 189.927†	2149.9	2372.8	0.5421 mg/L	0.5421 mg/L	17:52:04
2	Ti 337.279†	333455.4	368934.7	0.5200 mg/L	0.5200 mg/L	17:51:54
2	Tl 190.801†	613.3	675.7	0.4622 mg/L	0.4622 mg/L	17:52:04
2	V 292.402†	74926.8	83478.9	0.5266 mg/L	0.5266 mg/L	17:51:54
2	Zn 213.857†	48417.5	52701.3	0.5618 mg/L	0.5618 mg/L	17:51:54

Mean Data: CJ20511-BS1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2268124.4	0.916 mg/L		0.0151			1.65%
Ag 328.068†	31642.1	0.2680 mg/L		0.00506	0.2680 mg/L	0.00506	1.89%
Al 237.313†	19577.3	2.525 mg/L		0.0304	2.525 mg/L	0.0304	1.20%
As 188.979†	420.9	0.5271 mg/L		0.01667	0.5271 mg/L	0.01667	3.16%
B 182.528†	289.6	0.5706 mg/L		0.02257	0.5706 mg/L	0.02257	3.96%
B 249.677†	1059.1	0.6183 mg/L		0.01228	0.6183 mg/L	0.01228	1.99%
Ba 233.527†	36959.1	0.5093 mg/L		0.00891	0.5093 mg/L	0.00891	1.75%
Be 313.107†	85379.2	0.0509 mg/L		0.00069	0.0509 mg/L	0.00069	1.36%
Ca 315.887†	611403.8	5.746 mg/L		0.0110	5.746 mg/L	0.0110	0.19%
Cd 228.802†	7694.6	0.2702 mg/L		0.00484	0.2702 mg/L	0.00484	1.79%
Co 228.616†	19446.0	0.4848 mg/L		0.00700	0.4848 mg/L	0.00700	1.44%
Cr 267.716†	45761.1	0.5014 mg/L		0.00737	0.5014 mg/L	0.00737	1.47%
Cu 324.752†	94555.9	0.5295 mg/L		0.00882	0.5295 mg/L	0.00882	1.67%
Fe 234.349†	3259.8	2.801 mg/L		0.0376	2.801 mg/L	0.0376	1.34%
Fe 238.204†	296601.0	2.496 mg/L		0.0361	2.496 mg/L	0.0361	1.45%
K 766.490†	60474.0	32.72 mg/L		0.490	32.72 mg/L	0.490	1.50%
Li 670.784†	21392.9	0.6614 mg/L		0.00608	0.6614 mg/L	0.00608	0.92%
Mg 279.077†	54484.0	4.769 mg/L		0.0755	4.769 mg/L	0.0755	1.58%
Mn 257.610†	286052.3	0.5030 mg/L		0.00769	0.5030 mg/L	0.00769	1.53%
Mo 202.031†	9463.0	0.5030 mg/L		0.01109	0.5030 mg/L	0.01109	2.20%
Na 589.592†	9132420.7	1494 mg/L		41.7	1494 mg/L	41.7	2.79%
Ni 231.604†	14012.6	0.4936 mg/L		0.00798	0.4936 mg/L	0.00798	1.62%
P 214.914†	9075.7	5.421 mg/L		0.1144	5.421 mg/L	0.1144	2.11%
Pb 220.353†	5715.1	0.4875 mg/L		0.00725	0.4875 mg/L	0.00725	1.49%
Sb 206.836†	611.0	0.5127 mg/L		0.02162	0.5127 mg/L	0.02162	4.22%
Se 196.026†	1190.3	1.154 mg/L		0.0291	1.154 mg/L	0.0291	2.52%
Sn 189.927†	2339.3	0.5344 mg/L		0.01084	0.5344 mg/L	0.01084	2.03%
Sr 407.771†	49862.9	0.0528 mg/L		0.00047	0.0528 mg/L	0.00047	0.90%
Ti 337.279†	365135.8	0.5146 mg/L		0.00760	0.5146 mg/L	0.00760	1.48%
Tl 190.801†	666.2	0.4556 mg/L		0.00929	0.4556 mg/L	0.00929	2.04%
V 292.402†	82626.2	0.5212 mg/L		0.00766	0.5212 mg/L	0.00766	1.47%
Zn 213.857†	52148.5	0.5559 mg/L		0.00834	0.5559 mg/L	0.00834	1.50%

Sequence No.: 33
Sample ID: CJ20511-BS1
Analyst:

Autosampler Location: 35
Date Collected: 10/6/2012 5:53:43 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20511-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	963.2	1041.6	0.6081	mg/L	0.6081	mg/L	17:55:38
1	Fe 234.349†	2864.1	3115.2	2.677	mg/L	2.677	mg/L	17:55:38
1	K 766.490†	54108.2	58574.2	31.70	mg/L	31.70	mg/L	17:55:28
1	Li 670.784†	18996.4	20799.1	0.6431	mg/L	0.6431	mg/L	17:55:28
1	Na 589.592†	8497793.5	9225541.5	1509	mg/L	1509	mg/L	17:55:26
1	Sr 407.771†	44771.1	48475.1	0.0513	mg/L	0.0513	mg/L	17:55:28
1	Y 371.029	2281572.5	2281572.5	0.921	mg/L			17:55:57
1	Ag 328.068†	30075.7	31267.6	0.2648	mg/L	0.2648	mg/L	17:56:00
1	Al 237.313†	17667.3	19308.1	2.490	mg/L	2.490	mg/L	17:56:00
1	As 188.979†	378.8	408.3	0.5113	mg/L	0.5113	mg/L	17:56:10
1	B 182.528†	270.3	290.8	0.5728	mg/L	0.5728	mg/L	17:56:10
1	Ba 233.527†	33644.4	36580.7	0.5040	mg/L	0.5040	mg/L	17:56:00
1	Be 313.107†	77128.9	84251.4	0.0502	mg/L	0.0502	mg/L	17:56:00
1	Ca 315.887†	559240.0	606991.3	5.704	mg/L	5.704	mg/L	17:55:57
1	Cd 228.802†	7009.0	7546.5	0.2651	mg/L	0.2651	mg/L	17:56:10
1	Co 228.616†	17581.4	19152.2	0.4774	mg/L	0.4774	mg/L	17:56:00
1	Cr 267.716†	41929.7	45112.9	0.4942	mg/L	0.4942	mg/L	17:56:00
1	Cu 324.752†	87129.1	93359.2	0.5228	mg/L	0.5228	mg/L	17:56:00
1	Fe 238.204†	263864.2	286309.4	2.409	mg/L	2.409	mg/L	17:56:00
1	Mg 279.077†	49647.4	53765.1	4.706	mg/L	4.706	mg/L	17:56:00
1	Mn 257.610†	261280.5	282492.8	0.4967	mg/L	0.4967	mg/L	17:56:00
1	Mo 202.031†	8574.9	9282.3	0.4934	mg/L	0.4934	mg/L	17:56:10
1	Ni 231.604†	12720.8	13829.2	0.4871	mg/L	0.4871	mg/L	17:56:00
1	P 214.914†	8493.2	8878.0	5.303	mg/L	5.303	mg/L	17:56:10
1	Pb 220.353†	5261.9	5654.4	0.4823	mg/L	0.4823	mg/L	17:56:10
1	Sb 206.836†	582.4	595.5	0.4996	mg/L	0.4996	mg/L	17:56:10
1	Se 196.026†	1073.0	1164.8	1.129	mg/L	1.129	mg/L	17:56:10
1	Sn 189.927†	2102.4	2279.6	0.5206	mg/L	0.5206	mg/L	17:56:10
1	Ti 337.279†	331430.1	360278.7	0.5078	mg/L	0.5078	mg/L	17:56:00
1	Tl 190.801†	607.1	657.1	0.4493	mg/L	0.4493	mg/L	17:56:10
1	V 292.402†	74521.8	81588.2	0.5146	mg/L	0.5146	mg/L	17:56:00
1	Zn 213.857†	48170.2	51495.1	0.5489	mg/L	0.5489	mg/L	17:56:00
2	B 249.677†	972.4	1053.4	0.6149	mg/L	0.6149	mg/L	17:55:54
2	Fe 234.349†	2858.8	3114.9	2.676	mg/L	2.676	mg/L	17:55:54
2	K 766.490†	54545.1	59154.4	32.01	mg/L	32.01	mg/L	17:55:43
2	Li 670.784†	19110.3	20959.8	0.6480	mg/L	0.6480	mg/L	17:55:43
2	Na 589.592†	8450106.7	9190173.2	1503	mg/L	1503	mg/L	17:55:41
2	Sr 407.771†	45179.3	49006.0	0.0519	mg/L	0.0519	mg/L	17:55:43
2	Y 371.029	2277500.3	2277500.3	0.919	mg/L			17:56:12
2	Ag 328.068†	30417.9	31698.2	0.2685	mg/L	0.2685	mg/L	17:56:15
2	Al 237.313†	17927.9	19625.8	2.531	mg/L	2.531	mg/L	17:56:15
2	As 188.979†	388.9	420.0	0.5259	mg/L	0.5259	mg/L	17:56:25
2	B 182.528†	264.9	285.5	0.5625	mg/L	0.5625	mg/L	17:56:25
2	Ba 233.527†	33915.8	36941.2	0.5090	mg/L	0.5090	mg/L	17:56:15
2	Be 313.107†	78027.3	85378.2	0.0509	mg/L	0.0509	mg/L	17:56:15
2	Ca 315.887†	554194.8	602589.7	5.663	mg/L	5.663	mg/L	17:56:12
2	Cd 228.802†	7098.5	7657.4	0.2689	mg/L	0.2689	mg/L	17:56:25
2	Co 228.616†	17835.8	19463.1	0.4852	mg/L	0.4852	mg/L	17:56:15
2	Cr 267.716†	42439.8	45749.1	0.5012	mg/L	0.5012	mg/L	17:56:15
2	Cu 324.752†	88298.1	94799.6	0.5309	mg/L	0.5309	mg/L	17:56:15
2	Fe 238.204†	267521.3	290799.1	2.447	mg/L	2.447	mg/L	17:56:15
2	Mg 279.077†	50344.9	54620.1	4.781	mg/L	4.781	mg/L	17:56:15
2	Mn 257.610†	264550.1	286556.1	0.5039	mg/L	0.5039	mg/L	17:56:15
2	Mo 202.031†	8672.9	9405.5	0.5000	mg/L	0.5000	mg/L	17:56:25
2	Ni 231.604†	12955.6	14109.3	0.4970	mg/L	0.4970	mg/L	17:56:15
2	P 214.914†	8610.6	9022.2	5.389	mg/L	5.389	mg/L	17:56:25
2	Pb 220.353†	5273.6	5677.4	0.4843	mg/L	0.4843	mg/L	17:56:25
2	Sb 206.836†	581.3	595.4	0.4996	mg/L	0.4996	mg/L	17:56:25
2	Se 196.026†	1090.3	1185.7	1.149	mg/L	1.149	mg/L	17:56:25
2	Sn 189.927†	2145.1	2330.1	0.5320	mg/L	0.5320	mg/L	17:56:25
2	Ti 337.279†	335025.2	364832.0	0.5142	mg/L	0.5142	mg/L	17:56:15
2	Tl 190.801†	618.7	670.9	0.4589	mg/L	0.4589	mg/L	17:56:25
2	V 292.402†	75395.8	82683.4	0.5215	mg/L	0.5215	mg/L	17:56:15
2	Zn 213.857†	48971.6	52460.3	0.5592	mg/L	0.5592	mg/L	17:56:15

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2279536.4	0.920	mg/L	0.0012				0.13%
Ag 328.068†	31482.9	0.2666	mg/L	0.00259	0.2666	mg/L	0.00259	0.97%
Al 237.313†	19467.0	2.511	mg/L	0.0291	2.511	mg/L	0.0291	1.16%
As 188.979†	414.1	0.5186	mg/L	0.01035	0.5186	mg/L	0.01035	2.00%
B 182.528†	288.1	0.5677	mg/L	0.00733	0.5677	mg/L	0.00733	1.29%
B 249.677†	1047.5	0.6115	mg/L	0.00486	0.6115	mg/L	0.00486	0.80%
Ba 233.527†	36761.0	0.5065	mg/L	0.00353	0.5065	mg/L	0.00353	0.70%
Be 313.107†	84814.8	0.0505	mg/L	0.00048	0.0505	mg/L	0.00048	0.94%
Ca 315.887†	604790.5	5.684	mg/L	0.0293	5.684	mg/L	0.0293	0.52%
Cd 228.802†	7602.0	0.2670	mg/L	0.00273	0.2670	mg/L	0.00273	1.02%
Co 228.616†	19307.6	0.4813	mg/L	0.00551	0.4813	mg/L	0.00551	1.15%
Cr 267.716†	45431.0	0.4977	mg/L	0.00496	0.4977	mg/L	0.00496	1.00%
Cu 324.752†	94079.4	0.5268	mg/L	0.00574	0.5268	mg/L	0.00574	1.09%
Fe 234.349†	3115.1	2.677	mg/L	0.0003	2.677	mg/L	0.0003	0.01%
Fe 238.204†	288554.3	2.428	mg/L	0.0268	2.428	mg/L	0.0268	1.11%
K 766.490†	58864.3	31.86	mg/L	0.221	31.86	mg/L	0.221	0.69%
Li 670.784†	20879.4	0.6455	mg/L	0.00351	0.6455	mg/L	0.00351	0.54%
Mg 279.077†	54192.6	4.743	mg/L	0.0533	4.743	mg/L	0.0533	1.12%
Mn 257.610†	284524.5	0.5003	mg/L	0.00508	0.5003	mg/L	0.00508	1.02%
Mo 202.031†	9343.9	0.4967	mg/L	0.00464	0.4967	mg/L	0.00464	0.93%
Na 589.592†	9207857.4	1506	mg/L	4.1	1506	mg/L	4.1	0.27%
Ni 231.604†	13969.2	0.4920	mg/L	0.00703	0.4920	mg/L	0.00703	1.43%
P 214.914†	8950.1	5.346	mg/L	0.0605	5.346	mg/L	0.0605	1.13%
Pb 220.353†	5665.9	0.4833	mg/L	0.00138	0.4833	mg/L	0.00138	0.29%
Sb 206.836†	595.4	0.4996	mg/L	0.00004	0.4996	mg/L	0.00004	0.01%
Se 196.026†	1175.3	1.139	mg/L	0.0143	1.139	mg/L	0.0143	1.26%
Sn 189.927†	2304.9	0.5263	mg/L	0.00807	0.5263	mg/L	0.00807	1.53%
Sr 407.771†	48740.6	0.0516	mg/L	0.00039	0.0516	mg/L	0.00039	0.76%
Ti 337.279†	362555.3	0.5110	mg/L	0.00456	0.5110	mg/L	0.00456	0.89%
Tl 190.801†	664.0	0.4541	mg/L	0.00679	0.4541	mg/L	0.00679	1.49%
V 292.402†	82135.8	0.5181	mg/L	0.00491	0.5181	mg/L	0.00491	0.95%
Zn 213.857†	51977.7	0.5541	mg/L	0.00729	0.5541	mg/L	0.00729	1.32%

Sequence No.: 34

Sample ID: 1210123-01TCLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 36

Date Collected: 10/6/2012 5:58:04 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210123-01TCLP

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	125.6	159.6	0.0952	mg/L	0.0952	mg/L	18:00:05
1	Fe 234.349†	116773.2	152206.0	130.3	mg/L	130.3	mg/L	17:59:55
1	K 766.490†	2568.3	3178.8	1.907	mg/L	1.907	mg/L	18:00:05
1	Li 670.784†	-122.7	15.6	0.0011	mg/L	0.0011	mg/L	18:00:05
1	Na 589.592†	8306743.7	10826726.6	1771	mg/L	1771	mg/L	17:59:53
1	Sr 407.771†	94748.1	123362.2	0.1299	mg/L	0.1299	mg/L	17:59:55
1	Y 371.029	1900442.2	1900442.2	0.767	mg/L			18:00:31
1	Ag 328.068†	444.0	-805.5	0.0017	mg/L	0.0017	mg/L	18:00:33
1	Al 237.313†	4092.7	5461.9	0.6979	mg/L	0.6979	mg/L	18:00:33
1	As 188.979†	-25.7	-36.5	0.0109	mg/L	0.0109	mg/L	18:00:43
1	B 182.528†	13.6	15.1	0.0348	mg/L	0.0348	mg/L	18:00:43
1	Ba 233.527†	36570.1	47719.3	0.6584	mg/L	0.6584	mg/L	18:00:33
1	Be 313.107†	35.7	562.4	0.0002	mg/L	0.0002	mg/L	18:00:33
1	Ca 315.887†	13644875.1	17784360.7	167.5	mg/L	167.5	mg/L	18:00:28
1	Cd 228.802†	99.0	66.3	0.0025	mg/L	0.0025	mg/L	18:00:43
1	Co 228.616†	3277.6	4336.8	0.1062	mg/L	0.1062	mg/L	18:00:43
1	Cr 267.716†	1172.3	1119.6	0.0091	mg/L	0.0091	mg/L	18:00:33
1	Cu 324.752†	1711.3	997.3	0.0023	mg/L	0.0023	mg/L	18:00:33
1	Fe 238.204†	9610742.7	12526332.0	105.9	mg/L	105.9	mg/L	18:00:28
1	Mg 279.077†	21863.9	28362.1	2.585	mg/L	2.585	mg/L	18:00:33
1	Mn 257.610†	16394446.2	21367091.3	37.78	mg/L	37.78	mg/L	18:00:28
1	Mo 202.031†	214.8	252.8	-0.0273	mg/L	-0.0273	mg/L	18:00:43
1	Ni 231.604†	13544.0	17671.8	0.6225	mg/L	0.6225	mg/L	18:00:33
1	P 214.914†	447.6	240.7	0.4784	mg/L	0.4784	mg/L	18:00:43
1	Pb 220.353†	11.4	-43.2	-0.0092	mg/L	-0.0092	mg/L	18:00:43
1	Sb 206.836†	58.4	39.3	-0.0260	mg/L	-0.0260	mg/L	18:00:43

1	Se 196.026†	-17.6	-23.0	0.0318 mg/L	0.0318 mg/L	18:00:43
1	Sn 189.927†	-486.3	-636.6	0.2348 mg/L	0.2348 mg/L	18:00:43
1	Ti 337.279†	203.7	724.6	-0.0010 mg/L	-0.0010 mg/L	18:00:33
1	Tl 190.801†	37.5	46.9	-0.0462 mg/L	-0.0462 mg/L	18:00:43
1	V 292.402†	1298.3	2375.2	-0.0118 mg/L	-0.0118 mg/L	18:00:33
1	Zn 213.857†	86593.9	112064.0	1.200 mg/L	1.200 mg/L	18:00:33
2	B 249.677†	123.4	130.1	0.0781 mg/L	0.0781 mg/L	18:00:21
2	Fe 234.349†	117676.5	128097.1	109.7 mg/L	109.7 mg/L	18:00:10
2	K 766.490†	2631.7	2695.9	1.647 mg/L	1.647 mg/L	18:00:21
2	Li 670.784†	-75.7	93.0	0.0035 mg/L	0.0035 mg/L	18:00:21
2	Na 589.592†	8457338.4	9205698.0	1506 mg/L	1506 mg/L	18:00:08
2	Sr 407.771†	95473.2	103792.1	0.1093 mg/L	0.1093 mg/L	18:00:10
2	Y 371.029	2275605.3	2275605.3	0.919 mg/L		18:00:52
2	Ag 328.068†	497.9	-842.3	-0.0002 mg/L	-0.0002 mg/L	18:00:54
2	Al 237.313†	4124.1	4616.6	0.5886 mg/L	0.5886 mg/L	18:00:54
2	As 188.979†	-24.7	-29.9	0.0104 mg/L	0.0104 mg/L	18:01:04
2	B 182.528†	20.3	19.5	0.0433 mg/L	0.0433 mg/L	18:01:04
2	Ba 233.527†	36169.4	39424.9	0.5437 mg/L	0.5437 mg/L	18:00:54
2	Be 313.107†	61.0	582.2	0.0002 mg/L	0.0002 mg/L	18:00:54
2	Ca 315.887†	13600950.5	14804540.3	139.4 mg/L	139.4 mg/L	18:00:49
2	Cd 228.802†	101.0	47.1	0.0018 mg/L	0.0018 mg/L	18:01:04
2	Co 228.616†	3322.9	3681.9	0.0897 mg/L	0.0897 mg/L	18:01:04
2	Cr 267.716†	1159.9	854.2	0.0062 mg/L	0.0062 mg/L	18:00:54
2	Cu 324.752†	1636.4	548.0	-0.0002 mg/L	-0.0002 mg/L	18:00:54
2	Fe 238.204†	9582688.0	10430639.7	88.15 mg/L	88.15 mg/L	18:00:49
2	Mg 279.077†	21683.0	23467.1	2.133 mg/L	2.133 mg/L	18:00:54
2	Mn 257.610†	16364158.7	17811287.6	31.49 mg/L	31.49 mg/L	18:00:49
2	Mo 202.031†	193.3	183.3	-0.0246 mg/L	-0.0246 mg/L	18:01:04
2	Ni 231.604†	13436.8	14644.8	0.5152 mg/L	0.5152 mg/L	18:00:54
2	P 214.914†	450.5	147.6	0.3744 mg/L	0.3744 mg/L	18:01:04
2	Pb 220.353†	21.0	-35.3	-0.0083 mg/L	-0.0083 mg/L	18:01:04
2	Sb 206.836†	59.7	28.2	-0.0262 mg/L	-0.0262 mg/L	18:01:04
2	Se 196.026†	-18.3	-20.0	0.0259 mg/L	0.0259 mg/L	18:01:04
2	Sn 189.927†	-480.3	-525.6	0.1995 mg/L	0.1995 mg/L	18:01:04
2	Ti 337.279†	101.8	569.9	-0.0012 mg/L	-0.0012 mg/L	18:00:54
2	Tl 190.801†	33.2	34.2	-0.0432 mg/L	-0.0432 mg/L	18:01:04
2	V 292.402†	1233.0	2025.2	-0.0101 mg/L	-0.0101 mg/L	18:00:54
2	Zn 213.857†	85193.9	91932.7	0.9845 mg/L	0.9845 mg/L	18:00:54

Mean Data: 1210123-01TCLP

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2088023.7	0.843 mg/L		0.1071				12.70%
Ag 328.068†	-823.9	0.0007 mg/L		0.00135	0.0007 mg/L		0.00135	186.77%
Al 237.313†	5039.2	0.6432 mg/L		0.07723	0.6432 mg/L		0.07723	12.01%
As 188.979†	-33.2	0.0106 mg/L		0.00036	0.0106 mg/L		0.00036	3.36%
B 182.528†	17.3	0.0391 mg/L		0.00598	0.0391 mg/L		0.00598	15.31%
B 249.677†	144.9	0.0867 mg/L		0.01209	0.0867 mg/L		0.01209	13.94%
Ba 233.527†	43572.1	0.6011 mg/L		0.08116	0.6011 mg/L		0.08116	13.50%
Be 313.107†	572.3	0.0002 mg/L		0.00001	0.0002 mg/L		0.00001	4.55%
Ca 315.887†	16294450.5	153.5 mg/L		19.85	153.5 mg/L		19.85	12.93%
Cd 228.802†	56.7	0.0022 mg/L		0.00050	0.0022 mg/L		0.00050	23.42%
Co 228.616†	4009.3	0.0979 mg/L		0.01163	0.0979 mg/L		0.01163	11.87%
Cr 267.716†	986.9	0.0077 mg/L		0.00207	0.0077 mg/L		0.00207	26.96%
Cu 324.752†	772.6	0.0010 mg/L		0.00179	0.0010 mg/L		0.00179	174.22%
Fe 234.349†	140151.6	120.0 mg/L		14.59	120.0 mg/L		14.59	12.16%
Fe 238.204†	11478485.8	97.00 mg/L		12.525	97.00 mg/L		12.525	12.91%
K 766.490†	2937.3	1.777 mg/L		0.1836	1.777 mg/L		0.1836	10.33%
Li 670.784†	54.3	0.0023 mg/L		0.00169	0.0023 mg/L		0.00169	74.87%
Mg 279.077†	25914.6	2.359 mg/L		0.3196	2.359 mg/L		0.3196	13.55%
Mn 257.610†	19589189.5	34.63 mg/L		4.446	34.63 mg/L		4.446	12.84%
Mo 202.031†	218.1	-0.0260 mg/L		0.00193	-0.0260 mg/L		0.00193	7.41%
Na 589.592†	10016212.3	1638 mg/L		187.5	1638 mg/L		187.5	11.44%
Ni 231.604†	16158.3	0.5688 mg/L		0.07585	0.5688 mg/L		0.07585	13.34%
P 214.914†	194.2	0.4264 mg/L		0.07352	0.4264 mg/L		0.07352	17.24%
Pb 220.353†	-39.3	-0.0087 mg/L		0.00069	-0.0087 mg/L		0.00069	7.86%
Sb 206.836†	33.8	-0.0261 mg/L		0.00014	-0.0261 mg/L		0.00014	0.52%
Se 196.026†	-21.5	0.0289 mg/L		0.00416	0.0289 mg/L		0.00416	14.43%
Sn 189.927†	-581.1	0.2171 mg/L		0.02497	0.2171 mg/L		0.02497	11.50%
Sr 407.771†	113577.1	0.1196 mg/L		0.01452	0.1196 mg/L		0.01452	12.14%
Ti 337.279†	647.3	-0.0011 mg/L		0.00015	-0.0011 mg/L		0.00015	13.58%
Tl 190.801†	40.5	-0.0447 mg/L		0.00207	-0.0447 mg/L		0.00207	4.62%

V 292.402†	2200.2	-0.0109 mg/L	0.00118	-0.0109 mg/L	0.00118	10.79%
Zn 213.857†	101998.3	1.092 mg/L	0.1526	1.092 mg/L	0.1526	13.97%

Sequence No.: 35	Autosampler Location: 37
Sample ID: 1210125-01TCLP	Date Collected: 10/6/2012 6:02:43 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210125-01TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	93.3	95.7	0.0581 mg/L	0.0581 mg/L	18:04:38
1	Fe 234.349†	5111.1	5479.6	4.457 mg/L	4.457 mg/L	18:04:38
1	K 766.490†	9554.9	10064.1	5.610 mg/L	5.610 mg/L	18:04:28
1	Li 670.784†	655.2	877.2	0.0277 mg/L	0.0277 mg/L	18:04:28
1	Na 589.592†	8030148.2	8599785.2	1407 mg/L	1407 mg/L	18:04:25
1	Sr 407.771†	625315.2	669554.2	0.7028 mg/L	0.7028 mg/L	18:04:28
1	Y 371.029	2312892.3	2312892.3	0.934 mg/L		18:05:02
1	Ag 328.068†	908.9	-410.8	-0.0047 mg/L	-0.0047 mg/L	18:05:04
1	Al 237.313†	5033.9	5518.6	0.7050 mg/L	0.7050 mg/L	18:05:14
1	As 188.979†	-22.8	-27.4	-0.0306 mg/L	-0.0306 mg/L	18:05:14
1	B 182.528†	-10.7	-14.1	-0.0221 mg/L	-0.0221 mg/L	18:05:14
1	Ba 233.527†	42072.9	45112.6	0.6224 mg/L	0.6224 mg/L	18:05:04
1	Be 313.107†	-324.8	168.0	-0.0001 mg/L	-0.0001 mg/L	18:05:04
1	Ca 315.887†	28521797.9	30545440.5	287.7 mg/L	287.7 mg/L	18:04:59
1	Cd 228.802†	5774.3	6121.2	0.2170 mg/L	0.2170 mg/L	18:05:14
1	Co 228.616†	2466.0	2705.8	0.0652 mg/L	0.0652 mg/L	18:05:14
1	Cr 267.716†	666.7	305.7	0.0001 mg/L	0.0001 mg/L	18:05:14
1	Cu 324.752†	1486288.5	1590516.4	8.953 mg/L	8.953 mg/L	18:05:02
1	Fe 238.204†	441370.4	472531.6	3.982 mg/L	3.982 mg/L	18:05:02
1	Mg 279.077†	68870.7	73622.6	6.463 mg/L	6.463 mg/L	18:05:04
1	Mn 257.610†	1291734.1	1382222.2	2.441 mg/L	2.441 mg/L	18:05:02
1	Mo 202.031†	-156.0	-194.2	-0.0183 mg/L	-0.0183 mg/L	18:05:14
1	Ni 231.604†	2865.3	3087.4	0.1056 mg/L	0.1056 mg/L	18:05:14
1	P 214.914†	3736.1	3658.4	2.047 mg/L	2.047 mg/L	18:05:04
1	Pb 220.353†	85161.4	91146.0	7.778 mg/L	7.778 mg/L	18:05:04
1	Sb 206.836†	61.3	28.9	0.0210 mg/L	0.0210 mg/L	18:05:14
1	Se 196.026†	-17.9	-19.3	-0.0182 mg/L	-0.0182 mg/L	18:05:14
1	Sn 189.927†	-542.9	-584.2	-0.1210 mg/L	-0.1210 mg/L	18:05:14
1	Ti 337.279†	103.6	570.1	-0.0012 mg/L	-0.0012 mg/L	18:05:04
1	Tl 190.801†	39.0	39.7	0.0204 mg/L	0.0204 mg/L	18:05:14
1	V 292.402†	-692.2	-58.2	-0.0035 mg/L	-0.0035 mg/L	18:05:14
1	Zn 213.857†	5828150.4	6240891.8	67.08 mg/L	67.08 mg/L	18:05:02
2	B 249.677†	89.5	91.4	0.0556 mg/L	0.0556 mg/L	18:04:53
2	Fe 234.349†	5039.0	5385.3	4.373 mg/L	4.373 mg/L	18:04:53
2	K 766.490†	9944.1	10447.6	5.817 mg/L	5.817 mg/L	18:04:43
2	Li 670.784†	672.5	893.4	0.0282 mg/L	0.0282 mg/L	18:04:43
2	Na 589.592†	8230064.2	8786257.9	1437 mg/L	1437 mg/L	18:04:41
2	Sr 407.771†	636872.3	679793.3	0.7136 mg/L	0.7136 mg/L	18:04:43
2	Y 371.029	2320165.1	2320165.1	0.937 mg/L		18:05:21
2	Ag 328.068†	837.6	-489.9	-0.0053 mg/L	-0.0053 mg/L	18:05:24
2	Al 237.313†	5049.3	5518.1	0.7049 mg/L	0.7049 mg/L	18:05:34
2	As 188.979†	-21.1	-25.5	-0.0283 mg/L	-0.0283 mg/L	18:05:34
2	B 182.528†	-7.5	-10.7	-0.0155 mg/L	-0.0155 mg/L	18:05:34
2	Ba 233.527†	41962.6	44853.7	0.6188 mg/L	0.6188 mg/L	18:05:24
2	Be 313.107†	-381.8	108.3	-0.0001 mg/L	-0.0001 mg/L	18:05:24
2	Ca 315.887†	28961593.7	30919217.2	291.2 mg/L	291.2 mg/L	18:05:18
2	Cd 228.802†	5759.0	6085.4	0.2157 mg/L	0.2157 mg/L	18:05:34
2	Co 228.616†	2494.8	2728.3	0.0658 mg/L	0.0658 mg/L	18:05:34
2	Cr 267.716†	655.5	291.4	0.0000 mg/L	0.0000 mg/L	18:05:34
2	Cu 324.752†	1488697.5	1588098.7	8.939 mg/L	8.939 mg/L	18:05:21
2	Fe 238.204†	441657.7	471356.6	3.972 mg/L	3.972 mg/L	18:05:21
2	Mg 279.077†	68720.4	73230.9	6.429 mg/L	6.429 mg/L	18:05:24
2	Mn 257.610†	1293446.7	1379714.2	2.437 mg/L	2.437 mg/L	18:05:21
2	Mo 202.031†	-153.9	-191.4	-0.0181 mg/L	-0.0181 mg/L	18:05:34
2	Ni 231.604†	2852.5	3064.2	0.1048 mg/L	0.1048 mg/L	18:05:34
2	P 214.914†	3735.0	3644.8	2.039 mg/L	2.039 mg/L	18:05:24
2	Pb 220.353†	85127.2	90823.5	7.751 mg/L	7.751 mg/L	18:05:24
2	Sb 206.836†	56.6	23.6	0.0166 mg/L	0.0166 mg/L	18:05:34
2	Se 196.026†	-21.6	-23.1	-0.0220 mg/L	-0.0220 mg/L	18:05:34

2	Sn 189.927†	-540.5	-579.9	-0.1203 mg/L	-0.1203 mg/L	18:05:34
2	Ti 337.279†	140.8	609.4	-0.0012 mg/L	-0.0012 mg/L	18:05:24
2	Tl 190.801†	39.3	39.9	0.0205 mg/L	0.0205 mg/L	18:05:34
2	V 292.402†	-646.3	-6.9	-0.0031 mg/L	-0.0031 mg/L	18:05:34
2	Zn 213.857†	5834461.5	6228064.3	66.94 mg/L	66.94 mg/L	18:05:21

Mean Data: 1210125-01TCLP

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2316528.7	0.935 mg/L		0.0021				0.22%
Ag 328.068†	-450.4	-0.0050 mg/L		0.00048	-0.0050 mg/L		0.00048	9.62%
Al 237.313†	5518.4	0.7049 mg/L		0.00004	0.7049 mg/L		0.00004	0.01%
As 188.979†	-26.5	-0.0294 mg/L		0.00168	-0.0294 mg/L		0.00168	5.70%
B 182.528†	-12.4	-0.0188 mg/L		0.00468	-0.0188 mg/L		0.00468	24.86%
B 249.677†	93.5	0.0569 mg/L		0.00178	0.0569 mg/L		0.00178	3.14%
Ba 233.527†	44983.1	0.6206 mg/L		0.00253	0.6206 mg/L		0.00253	0.41%
Be 313.107†	138.1	-0.0001 mg/L		0.00003	-0.0001 mg/L		0.00003	31.53%
Ca 315.887†	30732328.8	289.5 mg/L		2.49	289.5 mg/L		2.49	0.86%
Cd 228.802†	6103.3	0.2163 mg/L		0.00090	0.2163 mg/L		0.00090	0.42%
Co 228.616†	2717.1	0.0655 mg/L		0.00040	0.0655 mg/L		0.00040	0.61%
Cr 267.716†	298.6	0.0001 mg/L		0.00011	0.0001 mg/L		0.00011	160.47%
Cu 324.752†	1589307.6	8.946 mg/L		0.0096	8.946 mg/L		0.0096	0.11%
Fe 234.349†	5432.5	4.415 mg/L		0.0593	4.415 mg/L		0.0593	1.34%
Fe 238.204†	471944.1	3.977 mg/L		0.0070	3.977 mg/L		0.0070	0.18%
K 766.490†	10255.9	5.714 mg/L		0.1459	5.714 mg/L		0.1459	2.55%
Li 670.784†	885.3	0.0279 mg/L		0.00035	0.0279 mg/L		0.00035	1.27%
Mg 279.077†	73426.8	6.446 mg/L		0.0244	6.446 mg/L		0.0244	0.38%
Mn 257.610†	1380968.2	2.439 mg/L		0.0031	2.439 mg/L		0.0031	0.13%
Mo 202.031†	-192.8	-0.0182 mg/L		0.00013	-0.0182 mg/L		0.00013	0.70%
Na 589.592†	8693021.6	1422 mg/L		21.6	1422 mg/L		21.6	1.52%
Ni 231.604†	3075.8	0.1052 mg/L		0.00058	0.1052 mg/L		0.00058	0.55%
P 214.914†	3651.6	2.043 mg/L		0.0057	2.043 mg/L		0.0057	0.28%
Pb 220.353†	90984.8	7.764 mg/L		0.0196	7.764 mg/L		0.0196	0.25%
Sb 206.836†	26.2	0.0188 mg/L		0.00311	0.0188 mg/L		0.00311	16.53%
Se 196.026†	-21.2	-0.0201 mg/L		0.00269	-0.0201 mg/L		0.00269	13.38%
Sn 189.927†	-582.1	-0.1206 mg/L		0.00053	-0.1206 mg/L		0.00053	0.44%
Sr 407.771†	674673.7	0.7082 mg/L		0.00760	0.7082 mg/L		0.00760	1.07%
Ti 337.279†	589.8	-0.0012 mg/L		0.00004	-0.0012 mg/L		0.00004	3.22%
Tl 190.801†	39.8	0.0205 mg/L		0.00012	0.0205 mg/L		0.00012	0.61%
V 292.402†	-32.6	-0.0033 mg/L		0.00024	-0.0033 mg/L		0.00024	7.21%
Zn 213.857†	6234478.0	67.01 mg/L		0.097	67.01 mg/L		0.097	0.15%

Sequence No.: 36

Sample ID: CJ20511-DUP1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 38

Date Collected: 10/6/2012 6:08:43 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20511-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	97.4	101.9	0.0617 mg/L	0.0617 mg/L	18:10:41
1	Fe 234.349†	5348.7	5828.0	4.743 mg/L	4.743 mg/L	18:10:41
1	K 766.490†	10259.9	10999.7	6.114 mg/L	6.114 mg/L	18:10:31
1	Li 670.784†	765.4	1008.6	0.0317 mg/L	0.0317 mg/L	18:10:31
1	Na 589.592†	8577306.3	9336628.7	1527 mg/L	1527 mg/L	18:10:28
1	Sr 407.771†	655772.5	713706.5	0.7492 mg/L	0.7492 mg/L	18:10:31
1	Y 371.029	2275521.2	2275521.2	0.919 mg/L		18:11:05
1	Ag 328.068†	928.7	-373.3	-0.0043 mg/L	-0.0043 mg/L	18:11:07
1	Al 237.313†	5078.8	5656.0	0.7227 mg/L	0.7227 mg/L	18:11:17
1	As 188.979†	-29.1	-34.7	-0.0396 mg/L	-0.0396 mg/L	18:11:17
1	B 182.528†	-13.3	-17.1	-0.0281 mg/L	-0.0281 mg/L	18:11:17
1	Ba 233.527†	43000.7	46862.6	0.6466 mg/L	0.6466 mg/L	18:11:07
1	Be 313.107†	-283.2	207.6	0.0000 mg/L	0.0000 mg/L	18:11:07
1	Ca 315.887†	29405381.1	32008913.0	301.5 mg/L	301.5 mg/L	18:11:02
1	Cd 228.802†	5845.4	6300.2	0.2234 mg/L	0.2234 mg/L	18:11:17
1	Co 228.616†	2515.5	2803.1	0.0676 mg/L	0.0676 mg/L	18:11:17
1	Cr 267.716†	659.9	309.9	0.0002 mg/L	0.0002 mg/L	18:11:17
1	Cu 324.752†	1482168.2	1612172.7	9.075 mg/L	9.075 mg/L	18:11:05
1	Fe 238.204†	442425.7	481443.3	4.057 mg/L	4.057 mg/L	18:11:05

1	Mg	279.077†	70017.7	76082.4	6.680	mg/L	6.680	mg/L	18:11:07
1	Mn	257.610†	1296877.9	1410541.1	2.491	mg/L	2.491	mg/L	18:11:05
1	Mo	202.031†	-192.6	-236.7	-0.0207	mg/L	-0.0207	mg/L	18:11:17
1	Ni	231.604†	2868.5	3141.3	0.1075	mg/L	0.1075	mg/L	18:11:17
1	P	214.914†	3843.9	3841.6	2.155	mg/L	2.155	mg/L	18:11:07
1	Pb	220.353†	86900.0	94536.4	8.069	mg/L	8.069	mg/L	18:11:07
1	Sb	206.836†	61.1	29.7	0.0216	mg/L	0.0216	mg/L	18:11:17
1	Se	196.026†	-16.6	-18.1	-0.0169	mg/L	-0.0169	mg/L	18:11:17
1	Sn	189.927†	-571.1	-624.6	-0.1292	mg/L	-0.1292	mg/L	18:11:17
1	Ti	337.279†	-67.5	385.7	-0.0015	mg/L	-0.0015	mg/L	18:11:07
1	Tl	190.801†	36.8	38.1	0.0190	mg/L	0.0190	mg/L	18:11:17
1	V	292.402†	-642.1	-15.9	-0.0033	mg/L	-0.0033	mg/L	18:11:17
1	Zn	213.857†	5854311.6	6371877.3	68.49	mg/L	68.49	mg/L	18:11:05
2	B	249.677†	95.8	99.2	0.0602	mg/L	0.0602	mg/L	18:10:56
2	Fe	234.349†	5312.4	5740.4	4.670	mg/L	4.670	mg/L	18:10:56
2	K	766.490†	10203.8	10846.1	6.031	mg/L	6.031	mg/L	18:10:46
2	Li	670.784†	751.7	986.9	0.0311	mg/L	0.0311	mg/L	18:10:46
2	Na	589.592†	8405803.5	9073751.5	1484	mg/L	1484	mg/L	18:10:44
2	Sr	407.771†	647661.1	699006.6	0.7337	mg/L	0.7337	mg/L	18:10:46
2	Y	371.029	2294627.5	2294627.5	0.926	mg/L	0.926	mg/L	18:11:24
2	Ag	328.068†	779.4	-542.9	-0.0058	mg/L	-0.0058	mg/L	18:11:27
2	Al	237.313†	5138.4	5674.3	0.7251	mg/L	0.7251	mg/L	18:11:37
2	As	188.979†	-28.9	-34.2	-0.0390	mg/L	-0.0390	mg/L	18:11:37
2	B	182.528†	-15.4	-19.3	-0.0323	mg/L	-0.0323	mg/L	18:11:37
2	Ba	233.527†	43650.7	47174.5	0.6509	mg/L	0.6509	mg/L	18:11:27
2	Be	313.107†	-314.2	176.6	-0.0001	mg/L	-0.0001	mg/L	18:11:27
2	Ca	315.887†	29481880.6	31824967.4	299.8	mg/L	299.8	mg/L	18:11:21
2	Cd	228.802†	5912.5	6319.6	0.2241	mg/L	0.2241	mg/L	18:11:37
2	Co	228.616†	2540.0	2806.8	0.0677	mg/L	0.0677	mg/L	18:11:37
2	Cr	267.716†	657.8	301.7	0.0001	mg/L	0.0001	mg/L	18:11:37
2	Cu	324.752†	1498235.8	1616083.3	9.097	mg/L	9.097	mg/L	18:11:24
2	Fe	238.204†	446173.0	481478.4	4.058	mg/L	4.058	mg/L	18:11:24
2	Mg	279.077†	71088.8	76604.0	6.726	mg/L	6.726	mg/L	18:11:27
2	Mn	257.610†	1308468.1	1411297.7	2.492	mg/L	2.492	mg/L	18:11:24
2	Mo	202.031†	-149.4	-188.4	-0.0181	mg/L	-0.0181	mg/L	18:11:37
2	Ni	231.604†	2906.7	3156.6	0.1081	mg/L	0.1081	mg/L	18:11:37
2	P	214.914†	3910.0	3878.0	2.176	mg/L	2.176	mg/L	18:11:27
2	Pb	220.353†	88708.0	95700.5	8.170	mg/L	8.170	mg/L	18:11:27
2	Sb	206.836†	65.1	33.5	0.0248	mg/L	0.0248	mg/L	18:11:37
2	Se	196.026†	-17.3	-18.7	-0.0175	mg/L	-0.0175	mg/L	18:11:37
2	Sn	189.927†	-548.1	-594.6	-0.1227	mg/L	-0.1227	mg/L	18:11:37
2	Ti	337.279†	3.7	463.1	-0.0014	mg/L	-0.0014	mg/L	18:11:27
2	Tl	190.801†	38.6	39.6	0.0202	mg/L	0.0202	mg/L	18:11:37
2	V	292.402†	-645.8	-14.1	-0.0032	mg/L	-0.0032	mg/L	18:11:37
2	Zn	213.857†	5885285.3	6352250.4	68.28	mg/L	68.28	mg/L	18:11:24

Mean Data: CJ20511-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD	
Y 371.029	2285074.4	0.923	mg/L	0.0055			0.59%	
Ag 328.068†	-458.1	-0.0050	mg/L	0.00102	-0.0050	mg/L	0.00102	20.34%
Al 237.313†	5665.1	0.7239	mg/L	0.00166	0.7239	mg/L	0.00166	0.23%
As 188.979†	-34.4	-0.0393	mg/L	0.00043	-0.0393	mg/L	0.00043	1.09%
B 182.528†	-18.2	-0.0302	mg/L	0.00304	-0.0302	mg/L	0.00304	10.05%
B 249.677†	100.5	0.0610	mg/L	0.00109	0.0610	mg/L	0.00109	1.78%
Ba 233.527†	47018.6	0.6488	mg/L	0.00305	0.6488	mg/L	0.00305	0.47%
Be 313.107†	192.1	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	27.33%
Ca 315.887†	31916940.2	300.6	mg/L	1.23	300.6	mg/L	1.23	0.41%
Cd 228.802†	6309.9	0.2237	mg/L	0.00048	0.2237	mg/L	0.00048	0.22%
Co 228.616†	2804.9	0.0677	mg/L	0.00007	0.0677	mg/L	0.00007	0.10%
Cr 267.716†	305.8	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	41.82%
Cu 324.752†	1614128.0	9.086	mg/L	0.0156	9.086	mg/L	0.0156	0.17%
Fe 234.349†	5784.2	4.706	mg/L	0.0520	4.706	mg/L	0.0520	1.11%
Fe 238.204†	481460.8	4.058	mg/L	0.0002	4.058	mg/L	0.0002	0.01%
K 766.490†	10922.9	6.072	mg/L	0.0584	6.072	mg/L	0.0584	0.96%
Li 670.784†	997.8	0.0314	mg/L	0.00047	0.0314	mg/L	0.00047	1.51%
Mg 279.077†	76343.2	6.703	mg/L	0.0325	6.703	mg/L	0.0325	0.49%
Mn 257.610†	1410919.4	2.492	mg/L	0.0009	2.492	mg/L	0.0009	0.04%
Mo 202.031†	-212.6	-0.0194	mg/L	0.00183	-0.0194	mg/L	0.00183	9.40%
Na 589.592†	9205190.1	1506	mg/L	30.4	1506	mg/L	30.4	2.02%
Ni 231.604†	3148.9	0.1078	mg/L	0.00038	0.1078	mg/L	0.00038	0.36%
P 214.914†	3859.8	2.165	mg/L	0.0149	2.165	mg/L	0.0149	0.69%

2	Mn	257.610†	315688.2	296067.3	0.5207 mg/L	0.5207 mg/L	18:17:14
2	Mo	202.031†	10017.8	9405.2	0.5001 mg/L	0.5001 mg/L	18:17:24
2	Ni	231.604†	15539.3	14649.8	0.5162 mg/L	0.5162 mg/L	18:17:14
2	P	214.914†	9060.7	8188.4	4.893 mg/L	4.893 mg/L	18:17:24
2	Pb	220.353†	6198.5	5778.1	0.4930 mg/L	0.4930 mg/L	18:17:24
2	Sb	206.836†	645.2	570.7	0.4788 mg/L	0.4788 mg/L	18:17:24
2	Se	196.026†	1103.0	1038.5	1.007 mg/L	1.007 mg/L	18:17:24
2	Sn	189.927†	2457.0	2310.5	0.5271 mg/L	0.5271 mg/L	18:17:24
2	Ti	337.279†	371214.6	349975.5	0.4932 mg/L	0.4932 mg/L	18:17:12
2	Tl	190.801†	777.4	730.0	0.5003 mg/L	0.5003 mg/L	18:17:24
2	V	292.402†	86205.6	81849.8	0.5164 mg/L	0.5164 mg/L	18:17:14
2	Zn	213.857†	54124.3	50159.5	0.5344 mg/L	0.5344 mg/L	18:17:14

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2623079.8	1.06 mg/L		0.004			0.42%
Ag 328.068†	29045.0	0.2459 mg/L		0.00393	0.2459 mg/L	0.00393	1.60%
	QC value within limits for Ag 328.068	Recovery = 98.35%					
Al 237.313†	19423.2	2.505 mg/L		0.0524	2.505 mg/L	0.0524	2.09%
	QC value within limits for Al 237.313	Recovery = 100.20%					
As 188.979†	385.5	0.4828 mg/L		0.00063	0.4828 mg/L	0.00063	0.13%
	QC value within limits for As 188.979	Recovery = 96.56%					
B 182.528†	250.2	0.4936 mg/L		0.00393	0.4936 mg/L	0.00393	0.80%
	QC value within limits for B 182.528	Recovery = 98.72%					
B 249.677†	822.0	0.4802 mg/L		0.00043	0.4802 mg/L	0.00043	0.09%
	QC value within limits for B 249.677	Recovery = 96.04%					
Ba 233.527†	35986.4	0.4958 mg/L		0.00757	0.4958 mg/L	0.00757	1.53%
	QC value within limits for Ba 233.527	Recovery = 99.16%					
Be 313.107†	85077.4	0.0507 mg/L		0.00113	0.0507 mg/L	0.00113	2.23%
	QC value within limits for Be 313.107	Recovery = 101.41%					
Ca 315.887†	533151.5	5.009 mg/L		0.0141	5.009 mg/L	0.0141	0.28%
	QC value within limits for Ca 315.887	Recovery = 100.18%					
Cd 228.802†	7236.7	0.2542 mg/L		0.00068	0.2542 mg/L	0.00068	0.27%
	QC value within limits for Cd 228.802	Recovery = 101.68%					
Co 228.616†	20144.8	0.5024 mg/L		0.01037	0.5024 mg/L	0.01037	2.06%
	QC value within limits for Co 228.616	Recovery = 100.47%					
Cr 267.716†	44995.1	0.4929 mg/L		0.01052	0.4929 mg/L	0.01052	2.13%
	QC value within limits for Cr 267.716	Recovery = 98.58%					
Cu 324.752†	89745.4	0.5024 mg/L		0.00789	0.5024 mg/L	0.00789	1.57%
	QC value within limits for Cu 324.752	Recovery = 100.48%					
Fe 234.349†	2908.1	2.500 mg/L		0.0062	2.500 mg/L	0.0062	0.25%
	QC value within limits for Fe 234.349	Recovery = 99.98%					
Fe 238.204†	294456.4	2.478 mg/L		0.0524	2.478 mg/L	0.0524	2.11%
	QC value within limits for Fe 238.204	Recovery = 99.11%					
K 766.490†	44606.5	24.19 mg/L		0.038	24.19 mg/L	0.038	0.16%
	QC value within limits for K 766.490	Recovery = 96.76%					
Li 670.784†	15897.3	0.4916 mg/L		0.00152	0.4916 mg/L	0.00152	0.31%
	QC value within limits for Li 670.784	Recovery = 98.33%					
Mg 279.077†	57611.4	5.045 mg/L		0.1120	5.045 mg/L	0.1120	2.22%
	QC value within limits for Mg 279.077	Recovery = 100.90%					
Mn 257.610†	291795.5	0.5132 mg/L		0.01068	0.5132 mg/L	0.01068	2.08%
	QC value within limits for Mn 257.610	Recovery = 102.63%					
Mo 202.031†	9419.7	0.5008 mg/L		0.00111	0.5008 mg/L	0.00111	0.22%
	QC value within limits for Mo 202.031	Recovery = 100.17%					
Na 589.592†	153937.7	25.28 mg/L		0.060	25.28 mg/L	0.060	0.24%
	QC value within limits for Na 589.592	Recovery = 101.13%					
Ni 231.604†	14427.1	0.5083 mg/L		0.01116	0.5083 mg/L	0.01116	2.20%
	QC value within limits for Ni 231.604	Recovery = 101.66%					
P 214.914†	8188.3	4.893 mg/L		0.0001	4.893 mg/L	0.0001	0.00%
	QC value within limits for P 214.914	Recovery = 97.85%					
Pb 220.353†	5800.2	0.4949 mg/L		0.00273	0.4949 mg/L	0.00273	0.55%
	QC value within limits for Pb 220.353	Recovery = 98.99%					
Sb 206.836†	575.5	0.4829 mg/L		0.00573	0.4829 mg/L	0.00573	1.19%
	QC value within limits for Sb 206.836	Recovery = 96.58%					
Se 196.026†	1036.1	1.004 mg/L		0.0033	1.004 mg/L	0.0033	0.33%
	QC value within limits for Se 196.026	Recovery = 100.43%					
Sn 189.927†	2305.6	0.5259 mg/L		0.00159	0.5259 mg/L	0.00159	0.30%
	QC value within limits for Sn 189.927	Recovery = 105.19%					
Sr 407.771†	46162.0	0.0489 mg/L		0.00012	0.0489 mg/L	0.00012	0.25%
	QC value within limits for Sr 407.771	Recovery = 97.76%					
Ti 337.279†	349758.1	0.4929 mg/L		0.00044	0.4929 mg/L	0.00044	0.09%

QC value within limits for Ti 337.279 Recovery = 98.57%
 Tl 190.801† 729.2 0.4998 mg/L 0.00071 0.4998 mg/L 0.00071 0.14%
 QC value within limits for Tl 190.801 Recovery = 99.96%
 V 292.402† 80731.6 0.5093 mg/L 0.00996 0.5093 mg/L 0.00996 1.96%
 QC value within limits for V 292.402 Recovery = 101.86%
 Zn 213.857† 49429.5 0.5266 mg/L 0.01102 0.5266 mg/L 0.01102 2.09%
 QC value within limits for Zn 213.857 Recovery = 105.33%
 All analyte(s) passed QC.

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Sequence No.: 38	Autosampler Location: 1
Sample ID: CCB1	Date Collected: 10/6/2012 6:19:03 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	4.3	0.0	0.0027 mg/L	0.0027 mg/L	18:21:00
1	Fe 234.349†	-12.2	-6.2	0.0132 mg/L	0.0132 mg/L	18:21:00
1	K 766.490†	309.6	134.9	0.2698 mg/L	0.2698 mg/L	18:20:50
1	Li 670.784†	-166.4	12.3	0.0010 mg/L	0.0010 mg/L	18:20:50
1	Na 589.592†	4004.7	3776.4	0.7190 mg/L	0.7190 mg/L	18:20:50
1	Sr 407.771†	167.2	33.0	0.0005 mg/L	0.0005 mg/L	18:20:50
1	Y 371.029	2526043.9	2526043.9	1.02 mg/L		18:21:24
1	Ag 328.068†	1387.8	-23.4	-0.0017 mg/L	-0.0017 mg/L	18:21:27
1	Al 237.313†	-121.5	8.3	-0.0067 mg/L	-0.0067 mg/L	18:21:37
1	As 188.979†	1.0	-2.0	-0.0009 mg/L	-0.0009 mg/L	18:21:37
1	B 182.528†	2.3	-0.4	0.0045 mg/L	0.0045 mg/L	18:21:37
1	Ba 233.527†	-31.3	23.7	-0.0016 mg/L	-0.0016 mg/L	18:21:37
1	Be 313.107†	-436.4	88.0	-0.0001 mg/L	-0.0001 mg/L	18:21:27
1	Ca 315.887†	1573.1	1390.8	-0.0031 mg/L	-0.0031 mg/L	18:21:27
1	Cd 228.802†	69.6	5.4	0.0002 mg/L	0.0002 mg/L	18:21:37
1	Co 228.616†	-68.0	-1.8	-0.0028 mg/L	-0.0028 mg/L	18:21:37
1	Cr 267.716†	413.2	-3.2	-0.0032 mg/L	-0.0032 mg/L	18:21:27
1	Cu 324.752†	1509.9	247.3	-0.0019 mg/L	-0.0019 mg/L	18:21:27
1	Fe 238.204†	335.0	171.8	-0.0103 mg/L	-0.0103 mg/L	18:21:37
1	Mg 279.077†	176.8	38.4	-0.0344 mg/L	-0.0344 mg/L	18:21:27
1	Mn 257.610†	647.8	-533.0	-0.0038 mg/L	-0.0038 mg/L	18:21:37
1	Mo 202.031†	24.5	-3.1	-0.0004 mg/L	-0.0004 mg/L	18:21:37
1	Ni 231.604†	-31.4	-12.0	-0.0042 mg/L	-0.0042 mg/L	18:21:37
1	P 214.914†	369.4	19.5	0.0394 mg/L	0.0394 mg/L	18:21:37
1	Pb 220.353†	94.8	34.8	-0.0009 mg/L	-0.0009 mg/L	18:21:37
1	Sb 206.836†	33.0	-4.5	-0.0049 mg/L	-0.0049 mg/L	18:21:37
1	Se 196.026†	2.7	2.6	0.0010 mg/L	0.0010 mg/L	18:21:37
1	Sn 189.927†	9.1	6.1	-0.0013 mg/L	-0.0013 mg/L	18:21:37
1	Ti 337.279†	-187.1	275.6	-0.0017 mg/L	-0.0017 mg/L	18:21:27
1	Tl 190.801†	1.4	-0.6	-0.0049 mg/L	-0.0049 mg/L	18:21:37
1	V 292.402†	-620.6	74.5	-0.0017 mg/L	-0.0017 mg/L	18:21:27
1	Zn 213.857†	1648.7	815.5	0.0077 mg/L	0.0077 mg/L	18:21:37
2	B 249.677†	3.7	-0.6	0.0023 mg/L	0.0023 mg/L	18:21:21
2	Fe 234.349†	-10.2	-4.1	0.0150 mg/L	0.0150 mg/L	18:21:21
2	K 766.490†	318.4	139.0	0.2720 mg/L	0.2720 mg/L	18:21:11
2	Li 670.784†	-191.7	-9.8	0.0003 mg/L	0.0003 mg/L	18:21:11
2	Na 589.592†	3876.4	3596.5	0.6896 mg/L	0.6896 mg/L	18:21:11
2	Sr 407.771†	158.9	22.7	0.0005 mg/L	0.0005 mg/L	18:21:11
2	Y 371.029	2562484.6	2562484.6	1.03 mg/L		18:21:39
2	Ag 328.068†	1359.5	-70.1	-0.0021 mg/L	-0.0021 mg/L	18:21:41
2	Al 237.313†	-101.5	29.4	-0.0040 mg/L	-0.0040 mg/L	18:21:52
2	As 188.979†	-3.1	-5.9	-0.0058 mg/L	-0.0058 mg/L	18:21:52
2	B 182.528†	1.9	-0.8	0.0037 mg/L	0.0037 mg/L	18:21:52
2	Ba 233.527†	-58.4	-2.1	-0.0019 mg/L	-0.0019 mg/L	18:21:52
2	Be 313.107†	-405.4	124.0	-0.0001 mg/L	-0.0001 mg/L	18:21:41
2	Ca 315.887†	1581.1	1376.6	-0.0033 mg/L	-0.0033 mg/L	18:21:41
2	Cd 228.802†	68.0	2.9	0.0001 mg/L	0.0001 mg/L	18:21:52
2	Co 228.616†	-58.5	8.4	-0.0025 mg/L	-0.0025 mg/L	18:21:52
2	Cr 267.716†	391.5	-29.9	-0.0035 mg/L	-0.0035 mg/L	18:21:41
2	Cu 324.752†	1522.2	238.2	-0.0020 mg/L	-0.0020 mg/L	18:21:41
2	Fe 238.204†	311.7	144.6	-0.0105 mg/L	-0.0105 mg/L	18:21:52
2	Mg 279.077†	102.9	-35.4	-0.0409 mg/L	-0.0409 mg/L	18:21:41
2	Mn 257.610†	586.7	-601.1	-0.0039 mg/L	-0.0039 mg/L	18:21:52

2	Mo 202.031†	40.2	11.7	0.0004 mg/L	0.0004 mg/L	18:21:52
2	Ni 231.604†	-24.3	-4.7	-0.0039 mg/L	-0.0039 mg/L	18:21:52
2	P 214.914†	363.9	9.0	0.0332 mg/L	0.0332 mg/L	18:21:52
2	Pb 220.353†	93.5	32.3	-0.0011 mg/L	-0.0011 mg/L	18:21:52
2	Sb 206.836†	31.9	-6.0	-0.0062 mg/L	-0.0062 mg/L	18:21:52
2	Se 196.026†	8.7	8.4	0.0066 mg/L	0.0066 mg/L	18:21:52
2	Sn 189.927†	-0.3	-3.2	-0.0034 mg/L	-0.0034 mg/L	18:21:52
2	Ti 337.279†	-167.3	297.4	-0.0016 mg/L	-0.0016 mg/L	18:21:41
2	Tl 190.801†	5.8	3.6	-0.0020 mg/L	-0.0020 mg/L	18:21:52
2	V 292.402†	-672.9	32.6	-0.0020 mg/L	-0.0020 mg/L	18:21:41
2	Zn 213.857†	1651.5	795.3	0.0075 mg/L	0.0075 mg/L	18:21:52

Mean Data: CCBL

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2544264.2	1.03 mg/L		0.010			1.01%
Ag 328.068†	-46.7	-0.0019 mg/L		0.00028	-0.0019 mg/L	0.00028	14.63%
QC value within limits for Ag 328.068			Recovery =	Not calculated			
Al 237.313†	18.8	-0.0054 mg/L		0.00192	-0.0054 mg/L	0.00192	35.82%
QC value within limits for Al 237.313			Recovery =	Not calculated			
As 188.979†	-4.0	-0.0034 mg/L		0.00345	-0.0034 mg/L	0.00345	102.75%
QC value within limits for As 188.979			Recovery =	Not calculated			
B 182.528†	-0.6	0.0041 mg/L		0.00060	0.0041 mg/L	0.00060	14.52%
QC value within limits for B 182.528			Recovery =	Not calculated			
B 249.677†	-0.3	0.0025 mg/L		0.00027	0.0025 mg/L	0.00027	10.79%
QC value within limits for B 249.677			Recovery =	Not calculated			
Ba 233.527†	10.8	-0.0018 mg/L		0.00025	-0.0018 mg/L	0.00025	14.35%
QC value within limits for Ba 233.527			Recovery =	Not calculated			
Be 313.107†	106.0	-0.0001 mg/L		0.00002	-0.0001 mg/L	0.00002	15.23%
QC value within limits for Be 313.107			Recovery =	Not calculated			
Ca 315.887†	1383.7	-0.0032 mg/L		0.00010	-0.0032 mg/L	0.00010	3.03%
QC value within limits for Ca 315.887			Recovery =	Not calculated			
Cd 228.802†	4.2	0.0001 mg/L		0.00005	0.0001 mg/L	0.00005	36.56%
QC value within limits for Cd 228.802			Recovery =	Not calculated			
Co 228.616†	3.3	-0.0027 mg/L		0.00018	-0.0027 mg/L	0.00018	6.81%
QC value less than the lower limit for Co 228.616			Recovery =	Not calculated			
Cr 267.716†	-16.6	-0.0034 mg/L		0.00021	-0.0034 mg/L	0.00021	6.11%
QC value within limits for Cr 267.716			Recovery =	Not calculated			
Cu 324.752†	242.8	-0.0020 mg/L		0.00004	-0.0020 mg/L	0.00004	1.85%
QC value within limits for Cu 324.752			Recovery =	Not calculated			
Fe 234.349†	-5.2	0.0141 mg/L		0.00124	0.0141 mg/L	0.00124	8.79%
QC value within limits for Fe 234.349			Recovery =	Not calculated			
Fe 238.204†	158.2	-0.0104 mg/L		0.00016	-0.0104 mg/L	0.00016	1.57%
QC value within limits for Fe 238.204			Recovery =	Not calculated			
K 766.490†	137.0	0.2709 mg/L		0.00158	0.2709 mg/L	0.00158	0.58%
QC value greater than the upper limit for K 766.490			Recovery =	Not calculated			
Li 670.784†	1.3	0.0006 mg/L		0.00048	0.0006 mg/L	0.00048	77.89%
QC value within limits for Li 670.784			Recovery =	Not calculated			
Mg 279.077†	1.5	-0.0377 mg/L		0.00460	-0.0377 mg/L	0.00460	12.22%
QC value less than the lower limit for Mg 279.077			Recovery =	Not calculated			
Mn 257.610†	-567.0	-0.0039 mg/L		0.00009	-0.0039 mg/L	0.00009	2.20%
QC value less than the lower limit for Mn 257.610			Recovery =	Not calculated			
Mo 202.031†	4.3	0.0000 mg/L		0.00056	0.0000 mg/L	0.00056	>999.9%
QC value within limits for Mo 202.031			Recovery =	Not calculated			
Na 589.592†	3686.4	0.7043 mg/L		0.02081	0.7043 mg/L	0.02081	2.95%
QC value greater than the upper limit for Na 589.592			Recovery =	Not calculated			
Ni 231.604†	-8.3	-0.0041 mg/L		0.00018	-0.0041 mg/L	0.00018	4.48%
QC value less than the lower limit for Ni 231.604			Recovery =	Not calculated			
P 214.914†	14.3	0.0363 mg/L		0.00442	0.0363 mg/L	0.00442	12.17%
QC value greater than the upper limit for P 214.914			Recovery =	Not calculated			
Pb 220.353†	33.5	-0.0010 mg/L		0.00016	-0.0010 mg/L	0.00016	15.58%
QC value within limits for Pb 220.353			Recovery =	Not calculated			
Sb 206.836†	-5.2	-0.0056 mg/L		0.00090	-0.0056 mg/L	0.00090	16.21%
QC value within limits for Sb 206.836			Recovery =	Not calculated			
Se 196.026†	5.5	0.0038 mg/L		0.00394	0.0038 mg/L	0.00394	102.85%
QC value within limits for Se 196.026			Recovery =	Not calculated			
Sn 189.927†	1.4	-0.0023 mg/L		0.00148	-0.0023 mg/L	0.00148	63.46%
QC value within limits for Sn 189.927			Recovery =	Not calculated			
Sr 407.771†	27.8	0.0005 mg/L		0.00001	0.0005 mg/L	0.00001	1.59%
QC value within limits for Sr 407.771			Recovery =	Not calculated			
Ti 337.279†	286.5	-0.0017 mg/L		0.00002	-0.0017 mg/L	0.00002	1.32%
QC value less than the lower limit for Ti 337.279			Recovery =	Not calculated			

Tl 190.801† 1.5 -0.0034 mg/L 0.00204 -0.0034 mg/L 0.00204 59.99%
 QC value within limits for Tl 190.801 Recovery = Not calculated
 V 292.402† 53.6 -0.0018 mg/L 0.00018 -0.0018 mg/L 0.00018 10.02%
 QC value less than the lower limit for V 292.402 Recovery = Not calculated
 Zn 213.857† 805.4 0.0076 mg/L 0.00015 0.0076 mg/L 0.00015 2.04%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 39 Autosampler Location: 39
 Sample ID: CJ20511-MS1 Date Collected: 10/6/2012 6:23:29 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CJ20511-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	912.4	1006.6	0.5875 mg/L	0.5875 mg/L	18:25:18
1	Fe 234.349†	8115.1	8996.0	7.445 mg/L	7.445 mg/L	18:25:18
1	K 766.490†	63643.8	70338.5	38.03 mg/L	38.03 mg/L	18:25:15
1	Li 670.784†	20823.4	23244.5	0.7186 mg/L	0.7186 mg/L	18:25:18
1	Na 589.592†	8551488.7	9473536.5	1550 mg/L	1550 mg/L	18:25:13
1	Sr 407.771†	696552.7	771538.5	0.8098 mg/L	0.8098 mg/L	18:25:15
1	Y 371.029	2235886.5	2235886.5	0.903 mg/L	0.903 mg/L	18:25:34
1	Ag 328.068†	30262.8	32142.1	0.2726 mg/L	0.2726 mg/L	18:25:36
1	Al 237.313†	23533.8	26199.2	3.380 mg/L	3.380 mg/L	18:25:46
1	As 188.979†	371.7	408.8	0.5140 mg/L	0.5140 mg/L	18:25:46
1	B 182.528†	229.0	251.0	0.4953 mg/L	0.4953 mg/L	18:25:46
1	Ba 233.527†	75504.6	83701.5	1.156 mg/L	1.156 mg/L	18:25:36
1	Be 313.107†	77698.6	86593.5	0.0516 mg/L	0.0516 mg/L	18:25:36
1	Ca 315.887†	29569869.4	32758552.5	308.6 mg/L	308.6 mg/L	18:25:30
1	Cd 228.802†	12845.1	14167.5	0.4996 mg/L	0.4996 mg/L	18:25:46
1	Co 228.616†	20099.1	22331.5	0.5572 mg/L	0.5572 mg/L	18:25:46
1	Cr 267.716†	41708.1	45797.6	0.5018 mg/L	0.5018 mg/L	18:25:36
1	Cu 324.752†	1549379.0	1715231.9	9.655 mg/L	9.655 mg/L	18:25:34
1	Fe 238.204†	713838.5	790662.7	6.672 mg/L	6.672 mg/L	18:25:36
1	Mg 279.077†	118359.7	130988.8	11.52 mg/L	11.52 mg/L	18:25:36
1	Mn 257.610†	1541458.0	1706521.6	3.015 mg/L	3.015 mg/L	18:25:34
1	Mo 202.031†	8524.9	9417.1	0.4927 mg/L	0.4927 mg/L	18:25:46
1	Ni 231.604†	15295.4	16963.6	0.5982 mg/L	0.5982 mg/L	18:25:46
1	P 214.914†	12427.5	13425.0	7.848 mg/L	7.848 mg/L	18:25:46
1	Pb 220.353†	92390.0	102295.2	8.736 mg/L	8.736 mg/L	18:25:36
1	Sb 206.836†	611.9	641.0	0.5358 mg/L	0.5358 mg/L	18:25:46
1	Se 196.026†	1096.1	1214.3	1.179 mg/L	1.179 mg/L	18:25:46
1	Sn 189.927†	1585.1	1753.1	0.4163 mg/L	0.4163 mg/L	18:25:46
1	Ti 337.279†	331584.6	367802.0	0.5184 mg/L	0.5184 mg/L	18:25:36
1	Tl 190.801†	631.3	697.3	0.4743 mg/L	0.4743 mg/L	18:25:46
1	V 292.402†	75101.4	83883.4	0.5281 mg/L	0.5281 mg/L	18:25:36
1	Zn 213.857†	5826140.7	6453634.5	69.36 mg/L	69.36 mg/L	18:25:34
2	B 249.677†	919.0	999.7	0.5835 mg/L	0.5835 mg/L	18:25:25
2	Fe 234.349†	7973.3	8714.7	7.210 mg/L	7.210 mg/L	18:25:25
2	K 766.490†	63385.1	69065.0	37.35 mg/L	37.35 mg/L	18:25:23
2	Li 670.784†	20615.8	22693.5	0.7016 mg/L	0.7016 mg/L	18:25:25
2	Na 589.592†	8607363.0	9401430.5	1538 mg/L	1538 mg/L	18:25:20
2	Sr 407.771†	694530.8	758485.5	0.7961 mg/L	0.7961 mg/L	18:25:23
2	Y 371.029	2267755.8	2267755.8	0.916 mg/L	0.916 mg/L	18:25:53
2	Ag 328.068†	29870.9	31243.0	0.2649 mg/L	0.2649 mg/L	18:25:55
2	Al 237.313†	23124.4	25385.6	3.275 mg/L	3.275 mg/L	18:26:06
2	As 188.979†	366.8	397.6	0.5000 mg/L	0.5000 mg/L	18:26:06
2	B 182.528†	219.7	237.4	0.4686 mg/L	0.4686 mg/L	18:26:06
2	Ba 233.527†	74437.2	81360.1	1.124 mg/L	1.124 mg/L	18:25:55
2	Be 313.107†	75961.3	83486.2	0.0498 mg/L	0.0498 mg/L	18:25:55
2	Ca 315.887†	29388123.0	32099670.3	302.4 mg/L	302.4 mg/L	18:25:50
2	Cd 228.802†	12671.7	13778.1	0.4859 mg/L	0.4859 mg/L	18:26:06
2	Co 228.616†	19803.6	21695.8	0.5413 mg/L	0.5413 mg/L	18:26:06
2	Cr 267.716†	41066.5	44447.4	0.4869 mg/L	0.4869 mg/L	18:25:55
2	Cu 324.752†	1580733.8	1725357.9	9.712 mg/L	9.712 mg/L	18:25:53
2	Fe 238.204†	701373.7	765934.1	6.463 mg/L	6.463 mg/L	18:25:55
2	Mg 279.077†	116266.0	126859.2	11.16 mg/L	11.16 mg/L	18:25:55
2	Mn 257.610†	1568295.3	1711836.7	3.024 mg/L	3.024 mg/L	18:25:53
2	Mo 202.031†	8387.8	9134.6	0.4777 mg/L	0.4777 mg/L	18:26:06

2	Ni 231.604†	15083.7	16494.3	0.5815 mg/L	0.5815 mg/L	18:26:06
2	P 214.914†	12276.0	13066.0	7.633 mg/L	7.633 mg/L	18:26:06
2	Pb 220.353†	90807.7	99128.6	8.463 mg/L	8.463 mg/L	18:25:55
2	Sb 206.836†	605.5	624.6	0.5220 mg/L	0.5220 mg/L	18:26:06
2	Se 196.026†	1069.6	1168.2	1.135 mg/L	1.135 mg/L	18:26:06
2	Sn 189.927†	1578.6	1721.3	0.4084 mg/L	0.4084 mg/L	18:26:06
2	Ti 337.279†	326206.8	356765.6	0.5028 mg/L	0.5028 mg/L	18:25:55
2	Tl 190.801†	629.5	685.6	0.4663 mg/L	0.4663 mg/L	18:26:06
2	V 292.402†	73916.3	81419.7	0.5125 mg/L	0.5125 mg/L	18:25:55
2	Zn 213.857†	5897385.5	6440747.5	69.22 mg/L	69.22 mg/L	18:25:53

Mean Data: CJ20511-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	2251821.1	0.909	mg/L	0.0091			1.00%
Ag 328.068†	31692.6	0.2688	mg/L	0.00542	0.2688	0.00542	2.02%
Al 237.313†	25792.4	3.327	mg/L	0.0744	3.327	0.0744	2.24%
As 188.979†	403.2	0.5070	mg/L	0.00992	0.5070	0.00992	1.96%
B 182.528†	244.2	0.4819	mg/L	0.01886	0.4819	0.01886	3.91%
B 249.677†	1003.2	0.5855	mg/L	0.00285	0.5855	0.00285	0.49%
Ba 233.527†	82530.8	1.140	mg/L	0.0229	1.140	0.0229	2.01%
Be 313.107†	85039.9	0.0507	mg/L	0.00131	0.0507	0.00131	2.59%
Ca 315.887†	32429111.4	305.5	mg/L	4.39	305.5	4.39	1.44%
Cd 228.802†	13972.8	0.4928	mg/L	0.00971	0.4928	0.00971	1.97%
Co 228.616†	22013.6	0.5493	mg/L	0.01127	0.5493	0.01127	2.05%
Cr 267.716†	45122.5	0.4943	mg/L	0.01053	0.4943	0.01053	2.13%
Cu 324.752†	1720294.9	9.684	mg/L	0.0403	9.684	0.0403	0.42%
Fe 234.349†	8855.4	7.328	mg/L	0.1664	7.328	0.1664	2.27%
Fe 238.204†	778298.4	6.567	mg/L	0.1478	6.567	0.1478	2.25%
K 766.490†	69701.7	37.69	mg/L	0.484	37.69	0.484	1.29%
Li 670.784†	22969.0	0.7101	mg/L	0.01204	0.7101	0.01204	1.69%
Mg 279.077†	128924.0	11.34	mg/L	0.258	11.34	0.258	2.27%
Mn 257.610†	1709179.2	3.019	mg/L	0.0066	3.019	0.0066	0.22%
Mo 202.031†	9275.9	0.4852	mg/L	0.01063	0.4852	0.01063	2.19%
Na 589.592†	9437483.5	1544	mg/L	8.3	1544	8.3	0.54%
Ni 231.604†	16729.0	0.5898	mg/L	0.01178	0.5898	0.01178	2.00%
P 214.914†	13245.5	7.741	mg/L	0.1521	7.741	0.1521	1.96%
Pb 220.353†	100711.9	8.600	mg/L	0.1931	8.600	0.1931	2.25%
Sb 206.836†	632.8	0.5289	mg/L	0.00975	0.5289	0.00975	1.84%
Se 196.026†	1191.2	1.157	mg/L	0.0317	1.157	0.0317	2.74%
Sn 189.927†	1737.2	0.4123	mg/L	0.00558	0.4123	0.00558	1.35%
Sr 407.771†	765012.0	0.8030	mg/L	0.00968	0.8030	0.00968	1.21%
Ti 337.279†	362283.8	0.5106	mg/L	0.01104	0.5106	0.01104	2.16%
Tl 190.801†	691.5	0.4703	mg/L	0.00563	0.4703	0.00563	1.20%
V 292.402†	82651.6	0.5203	mg/L	0.01101	0.5203	0.01101	2.12%
Zn 213.857†	6447191.0	69.29	mg/L	0.098	69.29	0.098	0.14%

Sequence No.: 40

Sample ID: CJ20511-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 40

Date Collected: 10/6/2012 6:29:16 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20511-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	27.3	22.7	0.0158 mg/L	0.0158 mg/L	18:31:08
1	Fe 234.349†	1183.7	1170.7	0.9674 mg/L	0.9674 mg/L	18:31:08
1	K 766.490†	1986.1	1785.9	1.158 mg/L	1.158 mg/L	18:30:58
1	Li 670.784†	-47.9	128.3	0.0045 mg/L	0.0045 mg/L	18:30:58
1	Na 589.592†	1928393.5	1897685.3	310.5 mg/L	310.5 mg/L	18:30:56
1	Sr 407.771†	138416.5	136092.1	0.1432 mg/L	0.1432 mg/L	18:30:58
1	Y 371.029	2516889.0	2516889.0	1.02 mg/L		18:31:30
1	Ag 328.068†	1251.0	-153.1	-0.0027 mg/L	-0.0027 mg/L	18:31:32
1	Al 237.313†	991.3	1103.1	0.1347 mg/L	0.1347 mg/L	18:31:42
1	As 188.979†	-19.1	-21.8	-0.0252 mg/L	-0.0252 mg/L	18:31:42
1	B 182.528†	-11.2	-13.7	-0.0214 mg/L	-0.0214 mg/L	18:31:42
1	Ba 233.527†	9543.9	9447.1	0.1288 mg/L	0.1288 mg/L	18:31:32
1	Be 313.107†	-421.8	100.8	-0.0001 mg/L	-0.0001 mg/L	18:31:32
1	Ca 315.887†	6543116.1	6439281.1	60.64 mg/L	60.64 mg/L	18:31:27

1	Cd 228.802†	1305.2	1221.7	0.0434 mg/L	0.0434 mg/L	18:31:42
1	Co 228.616†	525.1	581.6	0.0119 mg/L	0.0119 mg/L	18:31:42
1	Cr 267.716†	481.2	65.2	-0.0025 mg/L	-0.0025 mg/L	18:31:32
1	Cu 324.752†	319459.1	313163.7	1.760 mg/L	1.760 mg/L	18:31:30
1	Fe 238.204†	100776.7	99023.0	0.8252 mg/L	0.8252 mg/L	18:31:32
1	Mg 279.077†	16285.6	15892.6	1.366 mg/L	1.366 mg/L	18:31:32
1	Mn 257.610†	293947.6	288121.5	0.5065 mg/L	0.5065 mg/L	18:31:30
1	Mo 202.031†	48.2	20.3	-0.0007 mg/L	-0.0007 mg/L	18:31:42
1	Ni 231.604†	660.9	669.2	0.0199 mg/L	0.0199 mg/L	18:31:42
1	P 214.914†	1136.3	775.6	0.4585 mg/L	0.4585 mg/L	18:31:42
1	Pb 220.353†	19749.5	19378.4	1.645 mg/L	1.645 mg/L	18:31:32
1	Sb 206.836†	45.8	8.3	0.0053 mg/L	0.0053 mg/L	18:31:42
1	Se 196.026†	-4.8	-4.8	-0.0057 mg/L	-0.0057 mg/L	18:31:42
1	Sn 189.927†	-388.9	-385.6	-0.0869 mg/L	-0.0869 mg/L	18:31:42
1	Ti 337.279†	-113.3	347.7	-0.0016 mg/L	-0.0016 mg/L	18:31:32
1	Tl 190.801†	16.2	14.0	0.0047 mg/L	0.0047 mg/L	18:31:42
1	V 292.402†	-646.1	47.3	-0.0020 mg/L	-0.0020 mg/L	18:31:32
1	Zn 213.857†	1784332.5	1755256.5	18.87 mg/L	18.87 mg/L	18:31:30
2	B 249.677†	21.9	17.3	0.0126 mg/L	0.0126 mg/L	18:31:22
2	Fe 234.349†	1194.6	1174.1	0.9704 mg/L	0.9704 mg/L	18:31:22
2	K 766.490†	1995.6	1782.9	1.156 mg/L	1.156 mg/L	18:31:12
2	Li 670.784†	-82.3	95.0	0.0035 mg/L	0.0035 mg/L	18:31:12
2	Na 589.592†	1900984.4	1858950.5	304.2 mg/L	304.2 mg/L	18:31:10
2	Sr 407.771†	138097.8	134924.3	0.1420 mg/L	0.1420 mg/L	18:31:12
2	Y 371.029	2532810.0	2532810.0	1.02 mg/L	1.02 mg/L	18:31:47
2	Ag 328.068†	1268.5	-143.7	-0.0027 mg/L	-0.0027 mg/L	18:31:50
2	Al 237.313†	964.6	1070.9	0.1305 mg/L	0.1305 mg/L	18:32:00
2	As 188.979†	-20.7	-23.3	-0.0270 mg/L	-0.0270 mg/L	18:32:00
2	B 182.528†	-11.4	-13.8	-0.0216 mg/L	-0.0216 mg/L	18:32:00
2	Ba 233.527†	9471.3	9317.0	0.1270 mg/L	0.1270 mg/L	18:31:50
2	Be 313.107†	-380.0	144.2	-0.0001 mg/L	-0.0001 mg/L	18:31:50
2	Ca 315.887†	6579706.3	6434587.4	60.60 mg/L	60.60 mg/L	18:31:45
2	Cd 228.802†	1305.9	1214.3	0.0431 mg/L	0.0431 mg/L	18:32:00
2	Co 228.616†	540.0	593.0	0.0122 mg/L	0.0122 mg/L	18:32:00
2	Cr 267.716†	496.8	77.5	-0.0024 mg/L	-0.0024 mg/L	18:31:50
2	Cu 324.752†	322875.9	314528.9	1.768 mg/L	1.768 mg/L	18:31:47
2	Fe 238.204†	100306.9	97940.2	0.8161 mg/L	0.8161 mg/L	18:31:50
2	Mg 279.077†	16206.9	15715.0	1.350 mg/L	1.350 mg/L	18:31:50
2	Mn 257.610†	296373.6	288675.6	0.5075 mg/L	0.5075 mg/L	18:31:47
2	Mo 202.031†	55.6	27.2	-0.0003 mg/L	-0.0003 mg/L	18:32:00
2	Ni 231.604†	669.8	673.9	0.0201 mg/L	0.0201 mg/L	18:32:00
2	P 214.914†	1147.5	779.5	0.4607 mg/L	0.4607 mg/L	18:32:00
2	Pb 220.353†	19690.4	19198.5	1.630 mg/L	1.630 mg/L	18:31:50
2	Sb 206.836†	46.4	8.6	0.0056 mg/L	0.0056 mg/L	18:32:00
2	Se 196.026†	-8.8	-8.7	-0.0095 mg/L	-0.0095 mg/L	18:32:00
2	Sn 189.927†	-364.8	-359.7	-0.0810 mg/L	-0.0810 mg/L	18:32:00
2	Ti 337.279†	-257.2	207.6	-0.0018 mg/L	-0.0018 mg/L	18:31:50
2	Tl 190.801†	23.0	20.5	0.0093 mg/L	0.0093 mg/L	18:32:00
2	V 292.402†	-632.5	64.5	-0.0019 mg/L	-0.0019 mg/L	18:31:50
2	Zn 213.857†	1800122.0	1759659.7	18.91 mg/L	18.91 mg/L	18:31:47

Mean Data: CJ20511-SD1 @5

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2524849.5	1.02 mg/L	0.005			0.45%
Ag 328.068†	-148.4	-0.0027 mg/L	0.00006	-0.0027 mg/L	0.00006	2.10%
Al 237.313†	1087.0	0.1326 mg/L	0.00294	0.1326 mg/L	0.00294	2.22%
As 188.979†	-22.5	-0.0261 mg/L	0.00128	-0.0261 mg/L	0.00128	4.90%
B 182.528†	-13.7	-0.0215 mg/L	0.00015	-0.0215 mg/L	0.00015	0.69%
B 249.677†	20.0	0.0142 mg/L	0.00223	0.0142 mg/L	0.00223	15.66%
Ba 233.527†	9382.1	0.1279 mg/L	0.00127	0.1279 mg/L	0.00127	1.00%
Be 313.107†	122.5	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	20.45%
Ca 315.887†	6436934.3	60.62 mg/L	0.031	60.62 mg/L	0.031	0.05%
Cd 228.802†	1218.0	0.0432 mg/L	0.00018	0.0432 mg/L	0.00018	0.41%
Co 228.616†	587.3	0.0120 mg/L	0.00020	0.0120 mg/L	0.00020	1.69%
Cr 267.716†	71.4	-0.0024 mg/L	0.00010	-0.0024 mg/L	0.00010	3.97%
Cu 324.752†	313846.3	1.764 mg/L	0.0054	1.764 mg/L	0.0054	0.31%
Fe 234.349†	1172.4	0.9689 mg/L	0.00208	0.9689 mg/L	0.00208	0.21%
Fe 238.204†	98481.6	0.8206 mg/L	0.00647	0.8206 mg/L	0.00647	0.79%
K 766.490†	1784.4	1.157 mg/L	0.0012	1.157 mg/L	0.0012	0.10%
Li 670.784†	111.6	0.0040 mg/L	0.00073	0.0040 mg/L	0.00073	18.08%
Mg 279.077†	15803.8	1.358 mg/L	0.0111	1.358 mg/L	0.0111	0.82%

Mn 257.610†	288398.5	0.5070 mg/L	0.00069	0.5070 mg/L	0.00069	0.14%
Mo 202.031†	23.8	-0.0005 mg/L	0.00026	-0.0005 mg/L	0.00026	50.04%
Na 589.592†	1878317.9	307.3 mg/L	4.48	307.3 mg/L	4.48	1.46%
Ni 231.604†	671.6	0.0200 mg/L	0.00012	0.0200 mg/L	0.00012	0.58%
P 214.914†	777.5	0.4596 mg/L	0.00155	0.4596 mg/L	0.00155	0.34%
Pb 220.353†	19288.4	1.638 mg/L	0.0110	1.638 mg/L	0.0110	0.67%
Sb 206.836†	8.4	0.0055 mg/L	0.00019	0.0055 mg/L	0.00019	3.40%
Se 196.026†	-6.7	-0.0076 mg/L	0.00270	-0.0076 mg/L	0.00270	35.46%
Sn 189.927†	-372.6	-0.0840 mg/L	0.00416	-0.0840 mg/L	0.00416	4.95%
Sr 407.771†	135508.2	0.1426 mg/L	0.00087	0.1426 mg/L	0.00087	0.61%
Ti 337.279†	277.6	-0.0017 mg/L	0.00014	-0.0017 mg/L	0.00014	8.43%
Tl 190.801†	17.3	0.0070 mg/L	0.00322	0.0070 mg/L	0.00322	46.16%
V 292.402†	55.9	-0.0020 mg/L	0.00008	-0.0020 mg/L	0.00008	3.94%
Zn 213.857†	1757458.1	18.89 mg/L	0.033	18.89 mg/L	0.033	0.18%

Sequence No.: 41
Sample ID: CJ20511-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 10/6/2012 6:33:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20511-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	964.0	1033.0	0.6029 mg/L		0.6029 mg/L	18:35:29
1	Fe 234.349†	8256.6	8889.1	7.368 mg/L		7.368 mg/L	18:35:29
1	K 766.490†	65489.0	70291.9	38.00 mg/L		38.00 mg/L	18:35:19
1	Li 670.784†	22179.0	24038.2	0.7431 mg/L		0.7431 mg/L	18:35:19
1	Na 589.592†	8419118.5	9058102.9	1482 mg/L		1482 mg/L	18:35:16
1	Sr 407.771†	708655.0	762321.4	0.8002 mg/L		0.8002 mg/L	18:35:19
1	Y 371.029	2302232.6	2302232.6	0.929 mg/L		0.929 mg/L	18:35:53
1	Ag 328.068†	29301.2	30141.3	0.2556 mg/L		0.2556 mg/L	18:35:56
1	Al 237.313†	22632.6	24478.2	3.157 mg/L		3.157 mg/L	18:36:06
1	As 188.979†	352.1	375.9	0.4730 mg/L		0.4730 mg/L	18:36:06
1	B 182.528†	223.8	238.2	0.4702 mg/L		0.4702 mg/L	18:36:06
1	Ba 233.527†	72978.8	78573.4	1.085 mg/L		1.085 mg/L	18:35:56
1	Be 313.107†	73923.2	80050.9	0.0477 mg/L		0.0477 mg/L	18:35:56
1	Ca 315.887†	28932067.8	31128285.8	293.2 mg/L		293.2 mg/L	18:35:50
1	Cd 228.802†	12268.0	13136.5	0.4633 mg/L		0.4633 mg/L	18:36:06
1	Co 228.616†	19133.0	20650.3	0.5151 mg/L		0.5151 mg/L	18:36:06
1	Cr 267.716†	40043.8	42675.3	0.4673 mg/L		0.4673 mg/L	18:35:56
1	Cu 324.752†	1553301.5	1669986.7	9.401 mg/L		9.401 mg/L	18:35:53
1	Fe 238.204†	684464.8	736269.0	6.212 mg/L		6.212 mg/L	18:35:56
1	Mg 279.077†	114574.8	123137.9	10.83 mg/L		10.83 mg/L	18:35:56
1	Mn 257.610†	1523210.6	1637676.5	2.893 mg/L		2.893 mg/L	18:35:53
1	Mo 202.031†	8136.8	8727.4	0.4561 mg/L		0.4561 mg/L	18:36:06
1	Ni 231.604†	14831.7	15976.5	0.5631 mg/L		0.5631 mg/L	18:36:06
1	P 214.914†	11801.7	12354.9	7.216 mg/L		7.216 mg/L	18:36:06
1	Pb 220.353†	89524.5	96262.6	8.219 mg/L		8.219 mg/L	18:35:56
1	Sb 206.836†	584.0	591.6	0.4941 mg/L		0.4941 mg/L	18:36:06
1	Se 196.026†	1028.8	1106.9	1.075 mg/L		1.075 mg/L	18:36:06
1	Sn 189.927†	1493.9	1604.5	0.3824 mg/L		0.3824 mg/L	18:36:06
1	Ti 337.279†	307391.9	331186.6	0.4666 mg/L		0.4666 mg/L	18:35:56
1	Tl 190.801†	605.5	649.5	0.4412 mg/L		0.4412 mg/L	18:36:06
1	V 292.402†	72088.8	78244.4	0.4924 mg/L		0.4924 mg/L	18:35:56
1	Zn 213.857†	5816161.6	6256892.7	67.25 mg/L		67.25 mg/L	18:35:53
2	B 249.677†	944.4	1002.2	0.5850 mg/L		0.5850 mg/L	18:35:44
2	Fe 234.349†	8158.5	8699.8	7.207 mg/L		7.207 mg/L	18:35:44
2	K 766.490†	62628.8	66570.7	36.00 mg/L		36.00 mg/L	18:35:34
2	Li 670.784†	20987.0	22539.9	0.6968 mg/L		0.6968 mg/L	18:35:34
2	Na 589.592†	8448129.8	9002468.3	1473 mg/L		1473 mg/L	18:35:32
2	Sr 407.771†	690166.1	735333.8	0.7719 mg/L		0.7719 mg/L	18:35:34
2	Y 371.029	2324442.3	2324442.3	0.938 mg/L		0.938 mg/L	18:36:13
2	Ag 328.068†	29541.2	30095.9	0.2552 mg/L		0.2552 mg/L	18:36:15
2	Al 237.313†	22639.2	24252.6	3.128 mg/L		3.128 mg/L	18:36:25
2	As 188.979†	357.2	377.6	0.4751 mg/L		0.4751 mg/L	18:36:25
2	B 182.528†	225.0	237.1	0.4681 mg/L		0.4681 mg/L	18:36:25
2	Ba 233.527†	73751.7	78646.8	1.086 mg/L		1.086 mg/L	18:36:15
2	Be 313.107†	74168.6	79552.5	0.0474 mg/L		0.0474 mg/L	18:36:15
2	Ca 315.887†	29043027.0	30949100.9	291.5 mg/L		291.5 mg/L	18:36:10
2	Cd 228.802†	12291.9	13035.9	0.4597 mg/L		0.4597 mg/L	18:36:25

2	Co	228.616†	19091.3	20409.2	0.5090 mg/L	0.5090 mg/L	18:36:25
2	Cr	267.716†	40254.7	42488.4	0.4653 mg/L	0.4653 mg/L	18:36:15
2	Cu	324.752†	1571677.0	1673600.0	9.421 mg/L	9.421 mg/L	18:36:13
2	Fe	238.204†	691824.5	737075.3	6.219 mg/L	6.219 mg/L	18:36:15
2	Mg	279.077†	115604.3	123057.0	10.82 mg/L	10.82 mg/L	18:36:15
2	Mn	257.610†	1535631.4	1635253.6	2.889 mg/L	2.889 mg/L	18:36:13
2	Mo	202.031†	8113.8	8619.3	0.4504 mg/L	0.4504 mg/L	18:36:25
2	Ni	231.604†	14815.4	15806.6	0.5571 mg/L	0.5571 mg/L	18:36:25
2	P	214.914†	11852.3	12287.5	7.176 mg/L	7.176 mg/L	18:36:25
2	Pb	220.353†	90901.1	96809.2	8.266 mg/L	8.266 mg/L	18:36:15
2	Sb	206.836†	598.7	601.2	0.5024 mg/L	0.5024 mg/L	18:36:25
2	Se	196.026†	1030.3	1097.8	1.066 mg/L	1.066 mg/L	18:36:25
2	Sn	189.927†	1509.2	1605.4	0.3821 mg/L	0.3821 mg/L	18:36:25
2	Ti	337.279†	307752.3	328410.6	0.4627 mg/L	0.4627 mg/L	18:36:15
2	Tl	190.801†	601.5	638.9	0.4340 mg/L	0.4340 mg/L	18:36:25
2	V	292.402†	72181.1	77601.8	0.4883 mg/L	0.4883 mg/L	18:36:15
2	Zn	213.857†	5849415.6	6232538.2	66.99 mg/L	66.99 mg/L	18:36:13

Mean Data: CJ20511-PDS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2313337.5	0.934 mg/L	0.0063			0.68%
Ag 328.068†	30118.6	0.2554 mg/L	0.00028	0.2554 mg/L	0.00028	0.11%
Al 237.313†	24365.4	3.143 mg/L	0.0206	3.143 mg/L	0.0206	0.66%
As 188.979†	376.7	0.4740 mg/L	0.00148	0.4740 mg/L	0.00148	0.31%
B 182.528†	237.7	0.4692 mg/L	0.00143	0.4692 mg/L	0.00143	0.31%
B 249.677†	1017.6	0.5940 mg/L	0.01267	0.5940 mg/L	0.01267	2.13%
Ba 233.527†	78610.1	1.086 mg/L	0.0007	1.086 mg/L	0.0007	0.07%
Be 313.107†	79801.7	0.0475 mg/L	0.00021	0.0475 mg/L	0.00021	0.44%
Ca 315.887†	31038693.4	292.4 mg/L	1.19	292.4 mg/L	1.19	0.41%
Cd 228.802†	13086.2	0.4615 mg/L	0.00253	0.4615 mg/L	0.00253	0.55%
Co 228.616†	20529.8	0.5121 mg/L	0.00428	0.5121 mg/L	0.00428	0.84%
Cr 267.716†	42581.9	0.4663 mg/L	0.00146	0.4663 mg/L	0.00146	0.31%
Cu 324.752†	1671793.3	9.411 mg/L	0.0144	9.411 mg/L	0.0144	0.15%
Fe 234.349†	8794.5	7.288 mg/L	0.1137	7.288 mg/L	0.1137	1.56%
Fe 238.204†	736672.2	6.215 mg/L	0.0048	6.215 mg/L	0.0048	0.08%
K 766.490†	68431.3	37.00 mg/L	1.415	37.00 mg/L	1.415	3.82%
Li 670.784†	23289.1	0.7200 mg/L	0.03273	0.7200 mg/L	0.03273	4.55%
Mg 279.077†	123097.4	10.83 mg/L	0.005	10.83 mg/L	0.005	0.05%
Mn 257.610†	1636465.1	2.891 mg/L	0.0030	2.891 mg/L	0.0030	0.10%
Mo 202.031†	8673.3	0.4533 mg/L	0.00405	0.4533 mg/L	0.00405	0.89%
Na 589.592†	9030285.6	1477 mg/L	6.4	1477 mg/L	6.4	0.44%
Ni 231.604†	15891.5	0.5601 mg/L	0.00426	0.5601 mg/L	0.00426	0.76%
P 214.914†	12321.2	7.196 mg/L	0.0289	7.196 mg/L	0.0289	0.40%
Pb 220.353†	96535.9	8.242 mg/L	0.0336	8.242 mg/L	0.0336	0.41%
Sb 206.836†	596.4	0.4982 mg/L	0.00582	0.4982 mg/L	0.00582	1.17%
Se 196.026†	1102.4	1.071 mg/L	0.0062	1.071 mg/L	0.0062	0.58%
Sn 189.927†	1605.0	0.3823 mg/L	0.00018	0.3823 mg/L	0.00018	0.05%
Sr 407.771†	748827.6	0.7860 mg/L	0.02002	0.7860 mg/L	0.02002	2.55%
Ti 337.279†	329798.6	0.4646 mg/L	0.00278	0.4646 mg/L	0.00278	0.60%
Tl 190.801†	644.2	0.4376 mg/L	0.00513	0.4376 mg/L	0.00513	1.17%
V 292.402†	77923.1	0.4903 mg/L	0.00286	0.4903 mg/L	0.00286	0.58%
Zn 213.857†	6244715.5	67.12 mg/L	0.185	67.12 mg/L	0.185	0.28%

Sequence No.: 42
Sample ID: 1210159-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 10/6/2012 6:39:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210159-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	723.1	698.5	0.4092 mg/L	0.4092 mg/L	18:41:23
1	Fe 234.349†	199.3	199.4	0.1529 mg/L	0.1529 mg/L	18:41:23
1	K 766.490†	34154.5	33020.0	17.96 mg/L	17.96 mg/L	18:41:13
1	Li 670.784†	-65.8	111.5	0.0040 mg/L	0.0040 mg/L	18:41:13
1	Na 589.592†	817045.1	793790.5	129.9 mg/L	129.9 mg/L	18:41:11
1	Sr 407.771†	69945.6	67836.8	0.0716 mg/L	0.0716 mg/L	18:41:11
1	Y 371.029	2549087.9	2549087.9	1.03 mg/L		18:41:42

1	Ag 328.068†	1244.8	-174.6	-0.0030	mg/L	-0.0030	mg/L	18:41:44
1	Al 237.313†	-26.8	101.4	0.0053	mg/L	0.0053	mg/L	18:41:54
1	As 188.979†	-18.9	-21.3	-0.0249	mg/L	-0.0249	mg/L	18:41:54
1	B 182.528†	184.6	176.8	0.3503	mg/L	0.3503	mg/L	18:41:54
1	Ba 233.527†	297.5	343.5	0.0028	mg/L	0.0028	mg/L	18:41:54
1	Be 313.107†	-521.1	9.5	-0.0002	mg/L	-0.0002	mg/L	18:41:44
1	Ca 315.887†	4458505.7	4332278.5	40.79	mg/L	40.79	mg/L	18:41:42
1	Cd 228.802†	73.4	8.5	0.0004	mg/L	0.0004	mg/L	18:41:54
1	Co 228.616†	-33.4	32.4	-0.0019	mg/L	-0.0019	mg/L	18:41:54
1	Cr 267.716†	561.5	137.3	-0.0017	mg/L	-0.0017	mg/L	18:41:44
1	Cu 324.752†	2489.2	1185.6	0.0034	mg/L	0.0034	mg/L	18:41:44
1	Fe 238.204†	13918.8	13368.5	0.1013	mg/L	0.1013	mg/L	18:41:44
1	Mg 279.077†	42193.8	40865.8	3.567	mg/L	3.567	mg/L	18:41:44
1	Mn 257.610†	85839.4	82243.9	0.1425	mg/L	0.1425	mg/L	18:41:44
1	Mo 202.031†	204.5	171.6	0.0088	mg/L	0.0088	mg/L	18:41:54
1	Ni 231.604†	196.4	209.7	0.0037	mg/L	0.0037	mg/L	18:41:54
1	P 214.914†	821.8	455.8	0.2992	mg/L	0.2992	mg/L	18:41:54
1	Pb 220.353†	61.2	1.4	-0.0038	mg/L	-0.0038	mg/L	18:41:54
1	Sb 206.836†	40.4	2.4	0.0008	mg/L	0.0008	mg/L	18:41:54
1	Se 196.026†	-5.5	-5.4	-0.0066	mg/L	-0.0066	mg/L	18:41:54
1	Sn 189.927†	-318.8	-312.6	-0.0728	mg/L	-0.0728	mg/L	18:41:54
1	Ti 337.279†	1236.6	1660.7	0.0003	mg/L	0.0003	mg/L	18:41:44
1	Tl 190.801†	17.7	15.2	0.0060	mg/L	0.0060	mg/L	18:41:54
1	V 292.402†	-501.6	195.6	-0.0009	mg/L	-0.0009	mg/L	18:41:44
1	Zn 213.857†	6070.7	5097.8	0.0537	mg/L	0.0537	mg/L	18:41:54
2	B 249.677†	723.5	693.2	0.4061	mg/L	0.4061	mg/L	18:41:38
2	Fe 234.349†	192.1	190.9	0.1457	mg/L	0.1457	mg/L	18:41:38
2	K 766.490†	34250.2	32843.1	17.86	mg/L	17.86	mg/L	18:41:28
2	Li 670.784†	-27.0	149.5	0.0052	mg/L	0.0052	mg/L	18:41:28
2	Na 589.592†	826785.8	796740.8	130.4	mg/L	130.4	mg/L	18:41:26
2	Sr 407.771†	70736.6	68048.0	0.0718	mg/L	0.0718	mg/L	18:41:26
2	Y 371.029	2569927.9	2569927.9	1.04	mg/L			18:41:57
2	Ag 328.068†	1280.9	-149.6	-0.0028	mg/L	-0.0028	mg/L	18:41:59
2	Al 237.313†	-127.3	4.8	-0.0072	mg/L	-0.0072	mg/L	18:42:09
2	As 188.979†	-17.7	-20.0	-0.0233	mg/L	-0.0233	mg/L	18:42:09
2	B 182.528†	186.7	177.3	0.3513	mg/L	0.3513	mg/L	18:42:09
2	Ba 233.527†	305.4	348.8	0.0029	mg/L	0.0029	mg/L	18:42:09
2	Be 313.107†	-527.9	7.0	-0.0002	mg/L	-0.0002	mg/L	18:41:59
2	Ca 315.887†	4478174.9	4316104.0	40.64	mg/L	40.64	mg/L	18:41:57
2	Cd 228.802†	75.3	9.8	0.0004	mg/L	0.0004	mg/L	18:42:09
2	Co 228.616†	-30.3	35.7	-0.0018	mg/L	-0.0018	mg/L	18:42:09
2	Cr 267.716†	542.9	114.9	-0.0019	mg/L	-0.0019	mg/L	18:41:59
2	Cu 324.752†	2413.3	1092.8	0.0028	mg/L	0.0028	mg/L	18:41:59
2	Fe 238.204†	13985.9	13323.5	0.1009	mg/L	0.1009	mg/L	18:41:59
2	Mg 279.077†	42482.2	40811.2	3.562	mg/L	3.562	mg/L	18:41:59
2	Mn 257.610†	86310.3	82021.4	0.1421	mg/L	0.1421	mg/L	18:41:59
2	Mo 202.031†	215.4	180.5	0.0093	mg/L	0.0093	mg/L	18:42:09
2	Ni 231.604†	184.6	196.7	0.0032	mg/L	0.0032	mg/L	18:42:09
2	P 214.914†	822.8	450.4	0.2960	mg/L	0.2960	mg/L	18:42:09
2	Pb 220.353†	91.5	30.0	-0.0014	mg/L	-0.0014	mg/L	18:42:09
2	Sb 206.836†	41.8	3.5	0.0017	mg/L	0.0017	mg/L	18:42:09
2	Se 196.026†	-8.5	-8.2	-0.0094	mg/L	-0.0094	mg/L	18:42:09
2	Sn 189.927†	-285.9	-278.4	-0.0651	mg/L	-0.0651	mg/L	18:42:09
2	Ti 337.279†	1099.3	1518.6	0.0001	mg/L	0.0001	mg/L	18:41:59
2	Tl 190.801†	20.0	17.3	0.0075	mg/L	0.0075	mg/L	18:42:09
2	V 292.402†	-494.1	206.9	-0.0008	mg/L	-0.0008	mg/L	18:41:59
2	Zn 213.857†	5810.8	4799.5	0.0505	mg/L	0.0505	mg/L	18:42:09

Mean Data: 1210159-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2559507.9	1.03	mg/L	0.006				0.58%
Ag 328.068†	-162.1	-0.0029	mg/L	0.00015	-0.0029	mg/L	0.00015	5.18%
Al 237.313†	53.1	-0.0009	mg/L	0.00882	-0.0009	mg/L	0.00882	952.68%
As 188.979†	-20.7	-0.0241	mg/L	0.00115	-0.0241	mg/L	0.00115	4.76%
B 182.528†	177.0	0.3508	mg/L	0.00071	0.3508	mg/L	0.00071	0.20%
B 249.677†	695.8	0.4077	mg/L	0.00217	0.4077	mg/L	0.00217	0.53%
Ba 233.527†	346.1	0.0029	mg/L	0.00005	0.0029	mg/L	0.00005	1.80%
Be 313.107†	8.3	-0.0002	mg/L	0.00000	-0.0002	mg/L	0.00000	0.67%
Ca 315.887†	4324191.2	40.72	mg/L	0.108	40.72	mg/L	0.108	0.26%
Cd 228.802†	9.1	0.0004	mg/L	0.00003	0.0004	mg/L	0.00003	6.93%
Co 228.616†	34.0	-0.0019	mg/L	0.00006	-0.0019	mg/L	0.00006	3.12%

2	Al 237.313†	1098.0	1365.8	0.1687 mg/L	0.1687 mg/L	18:46:36
2	As 188.979†	-15.5	-20.4	-0.0232 mg/L	-0.0232 mg/L	18:46:36
2	B 182.528†	1293.0	1455.5	2.846 mg/L	2.846 mg/L	18:46:26
2	Ba 233.527†	2474.7	2845.3	0.0375 mg/L	0.0375 mg/L	18:46:36
2	Be 313.107†	-1111.6	-737.8	-0.0006 mg/L	-0.0006 mg/L	18:46:26
2	Ca 315.887†	31727846.3	35780681.2	337.0 mg/L	337.0 mg/L	18:46:21
2	Cd 228.802†	83.8	31.7	0.0012 mg/L	0.0012 mg/L	18:46:36
2	Co 228.616†	195.6	285.5	0.0044 mg/L	0.0044 mg/L	18:46:36
2	Cr 267.716†	1601.7	1398.0	0.0122 mg/L	0.0122 mg/L	18:46:36
2	Cu 324.752†	5510.1	4980.7	0.0247 mg/L	0.0247 mg/L	18:46:26
2	Fe 238.204†	111949.7	126093.7	1.054 mg/L	1.054 mg/L	18:46:26
2	Mg 279.077†	295055.1	332611.2	29.30 mg/L	29.30 mg/L	18:46:24
2	Mn 257.610†	575014.1	647299.4	1.142 mg/L	1.142 mg/L	18:46:24
2	Mo 202.031†	555.8	599.7	0.0312 mg/L	0.0312 mg/L	18:46:36
2	Ni 231.604†	984.5	1129.0	0.0363 mg/L	0.0363 mg/L	18:46:36
2	P 214.914†	4025.3	4196.8	2.527 mg/L	2.527 mg/L	18:46:36
2	Pb 220.353†	-5.7	-64.5	-0.0099 mg/L	-0.0099 mg/L	18:46:36
2	Sb 206.836†	69.0	41.0	0.0327 mg/L	0.0327 mg/L	18:46:36
2	Se 196.026†	-12.2	-13.8	-0.0142 mg/L	-0.0142 mg/L	18:46:36
2	Sn 189.927†	-544.5	-616.9	-0.1377 mg/L	-0.1377 mg/L	18:46:36
2	Ti 337.279†	11626.5	13570.8	0.0171 mg/L	0.0171 mg/L	18:46:26
2	Tl 190.801†	40.8	44.0	0.0254 mg/L	0.0254 mg/L	18:46:36
2	V 292.402†	82.7	776.3	0.0027 mg/L	0.0027 mg/L	18:46:36
2	Zn 213.857†	27330.7	30020.8	0.3214 mg/L	0.3214 mg/L	18:46:26

Mean Data: 1210159-02

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2206959.5	0.891 mg/L	0.0060			0.67%
Ag 328.068†	-413.7	-0.0049 mg/L	0.00054	-0.0049 mg/L	0.00054	10.97%
Al 237.313†	1339.0	0.1652 mg/L	0.00489	0.1652 mg/L	0.00489	2.96%
As 188.979†	-23.7	-0.0273 mg/L	0.00572	-0.0273 mg/L	0.00572	20.97%
B 182.528†	1458.8	2.852 mg/L	0.0091	2.852 mg/L	0.0091	0.32%
B 249.677†	6055.5	3.527 mg/L	0.0120	3.527 mg/L	0.0120	0.34%
Ba 233.527†	2844.6	0.0375 mg/L	0.00001	0.0375 mg/L	0.00001	0.03%
Be 313.107†	-707.7	-0.0006 mg/L	0.00003	-0.0006 mg/L	0.00003	4.35%
Ca 315.887†	35555196.7	334.9 mg/L	3.00	334.9 mg/L	3.00	0.90%
Cd 228.802†	33.1	0.0013 mg/L	0.00010	0.0013 mg/L	0.00010	7.60%
Co 228.616†	282.3	0.0043 mg/L	0.00011	0.0043 mg/L	0.00011	2.58%
Cr 267.716†	1386.6	0.0121 mg/L	0.00018	0.0121 mg/L	0.00018	1.46%
Cu 324.752†	4950.2	0.0246 mg/L	0.00024	0.0246 mg/L	0.00024	0.99%
Fe 234.349†	1775.9	1.241 mg/L	0.0022	1.241 mg/L	0.0022	0.18%
Fe 238.204†	125697.2	1.051 mg/L	0.0047	1.051 mg/L	0.0047	0.45%
K 766.490†	350351.3	188.6 mg/L	0.55	188.6 mg/L	0.55	0.29%
Li 670.784†	1813.8	0.0566 mg/L	0.00051	0.0566 mg/L	0.00051	0.91%
Mg 279.077†	332449.4	29.29 mg/L	0.020	29.29 mg/L	0.020	0.07%
Mn 257.610†	646987.5	1.141 mg/L	0.0008	1.141 mg/L	0.0008	0.07%
Mo 202.031†	599.2	0.0312 mg/L	0.00004	0.0312 mg/L	0.00004	0.14%
Na 589.592†	7190973.0	1176 mg/L	7.1	1176 mg/L	7.1	0.60%
Ni 231.604†	1128.3	0.0363 mg/L	0.00004	0.0363 mg/L	0.00004	0.11%
P 214.914†	4167.9	2.510 mg/L	0.0243	2.510 mg/L	0.0243	0.97%
Pb 220.353†	-76.3	-0.0109 mg/L	0.00144	-0.0109 mg/L	0.00144	13.20%
Sb 206.836†	37.9	0.0301 mg/L	0.00369	0.0301 mg/L	0.00369	12.28%
Se 196.026†	-13.4	-0.0139 mg/L	0.00050	-0.0139 mg/L	0.00050	3.58%
Sn 189.927†	-630.1	-0.1407 mg/L	0.00421	-0.1407 mg/L	0.00421	2.99%
Sr 407.771†	574373.0	0.6030 mg/L	0.00348	0.6030 mg/L	0.00348	0.58%
Ti 337.279†	13530.2	0.0171 mg/L	0.00008	0.0171 mg/L	0.00008	0.48%
Tl 190.801†	42.4	0.0242 mg/L	0.00161	0.0242 mg/L	0.00161	6.65%
V 292.402†	760.4	0.0026 mg/L	0.00014	0.0026 mg/L	0.00014	5.45%
Zn 213.857†	29885.6	0.3200 mg/L	0.00206	0.3200 mg/L	0.00206	0.64%

Sequence No.: 44

Autosampler Location: 44

Sample ID: 1210141-01

Date Collected: 10/6/2012 6:49:43 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210141-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	112.4	110.6	0.0671 mg/L	0.0671 mg/L	18:51:38
1	Fe 234.349†	180.1	189.7	0.1398 mg/L	0.1398 mg/L	18:51:38
1	K 766.490†	6847.0	6824.8	3.868 mg/L	3.868 mg/L	18:51:28
1	Li 670.784†	1759.8	1972.9	0.0615 mg/L	0.0615 mg/L	18:51:28
1	Na 589.592†	749871.3	765759.8	125.4 mg/L	125.4 mg/L	18:51:26
1	Sr 407.771†	683555.9	698045.6	0.7327 mg/L	0.7327 mg/L	18:51:26
1	Y 371.029	2425134.5	2425134.5	0.979 mg/L		18:51:57
1	Ag 328.068†	1217.7	-140.5	-0.0027 mg/L	-0.0027 mg/L	18:51:59
1	Al 237.313†	245.4	378.2	0.0411 mg/L	0.0411 mg/L	18:52:09
1	As 188.979†	-16.0	-19.4	-0.0225 mg/L	-0.0225 mg/L	18:52:09
1	B 182.528†	11.0	8.6	0.0221 mg/L	0.0221 mg/L	18:52:09
1	Ba 233.527†	154.5	212.2	0.0010 mg/L	0.0010 mg/L	18:52:09
1	Be 313.107†	-523.7	-19.1	-0.0002 mg/L	-0.0002 mg/L	18:51:59
1	Ca 315.887†	4799759.2	4902270.1	46.16 mg/L	46.16 mg/L	18:51:57
1	Cd 228.802†	69.2	7.9	0.0003 mg/L	0.0003 mg/L	18:52:09
1	Co 228.616†	-71.9	-8.6	-0.0029 mg/L	-0.0029 mg/L	18:52:09
1	Cr 267.716†	1084.6	699.4	0.0045 mg/L	0.0045 mg/L	18:51:59
1	Cu 324.752†	3356.0	2194.5	0.0090 mg/L	0.0090 mg/L	18:51:59
1	Fe 238.204†	10547.5	10616.4	0.0780 mg/L	0.0780 mg/L	18:51:59
1	Mg 279.077†	6343.5	6344.2	0.5218 mg/L	0.5218 mg/L	18:51:59
1	Mn 257.610†	16438.6	15622.0	0.0247 mg/L	0.0247 mg/L	18:51:59
1	Mo 202.031†	290.2	269.3	0.0141 mg/L	0.0141 mg/L	18:52:09
1	Ni 231.604†	97.6	118.5	0.0004 mg/L	0.0004 mg/L	18:52:09
1	P 214.914†	608.6	278.9	0.1938 mg/L	0.1938 mg/L	18:52:09
1	Pb 220.353†	44.1	-13.1	-0.0051 mg/L	-0.0051 mg/L	18:52:09
1	Sb 206.836†	34.6	-1.4	-0.0024 mg/L	-0.0024 mg/L	18:52:09
1	Se 196.026†	-9.3	-9.6	-0.0107 mg/L	-0.0107 mg/L	18:52:09
1	Sn 189.927†	-332.8	-342.8	-0.0797 mg/L	-0.0797 mg/L	18:52:09
1	Ti 337.279†	-124.4	332.1	-0.0016 mg/L	-0.0016 mg/L	18:51:59
1	Tl 190.801†	16.3	14.6	0.0057 mg/L	0.0057 mg/L	18:52:09
1	V 292.402†	-630.0	39.6	-0.0018 mg/L	-0.0018 mg/L	18:51:59
1	Zn 213.857†	2237.1	1483.8	0.0148 mg/L	0.0148 mg/L	18:52:09
2	B 249.677†	109.3	107.0	0.0649 mg/L	0.0649 mg/L	18:51:53
2	Fe 234.349†	178.9	187.7	0.1381 mg/L	0.1381 mg/L	18:51:53
2	K 766.490†	6676.9	6623.7	3.760 mg/L	3.760 mg/L	18:51:43
2	Li 670.784†	1636.9	1840.6	0.0574 mg/L	0.0574 mg/L	18:51:43
2	Na 589.592†	754053.3	766948.3	125.6 mg/L	125.6 mg/L	18:51:40
2	Sr 407.771†	688332.4	700110.0	0.7349 mg/L	0.7349 mg/L	18:51:40
2	Y 371.029	2434881.1	2434881.1	0.983 mg/L		18:52:12
2	Ag 328.068†	1156.9	-207.3	-0.0033 mg/L	-0.0033 mg/L	18:52:14
2	Al 237.313†	218.1	349.4	0.0374 mg/L	0.0374 mg/L	18:52:24
2	As 188.979†	-13.9	-17.1	-0.0197 mg/L	-0.0197 mg/L	18:52:24
2	B 182.528†	8.9	6.5	0.0179 mg/L	0.0179 mg/L	18:52:24
2	Ba 233.527†	151.6	208.7	0.0010 mg/L	0.0010 mg/L	18:52:24
2	Be 313.107†	-454.8	53.1	-0.0001 mg/L	-0.0001 mg/L	18:52:14
2	Ca 315.887†	4814896.5	4898045.4	46.12 mg/L	46.12 mg/L	18:52:12
2	Cd 228.802†	61.8	0.1	0.0001 mg/L	0.0001 mg/L	18:52:24
2	Co 228.616†	-67.5	-3.8	-0.0028 mg/L	-0.0028 mg/L	18:52:24
2	Cr 267.716†	1134.2	745.4	0.0050 mg/L	0.0050 mg/L	18:52:14
2	Cu 324.752†	3350.4	2175.1	0.0089 mg/L	0.0089 mg/L	18:52:14
2	Fe 238.204†	10477.4	10502.0	0.0770 mg/L	0.0770 mg/L	18:52:14
2	Mg 279.077†	6257.1	6230.4	0.5118 mg/L	0.5118 mg/L	18:52:14
2	Mn 257.610†	16481.3	15598.2	0.0247 mg/L	0.0247 mg/L	18:52:14
2	Mo 202.031†	285.9	263.7	0.0138 mg/L	0.0138 mg/L	18:52:24
2	Ni 231.604†	100.5	121.1	0.0005 mg/L	0.0005 mg/L	18:52:24
2	P 214.914†	606.9	274.7	0.1913 mg/L	0.1913 mg/L	18:52:24
2	Pb 220.353†	39.5	-17.9	-0.0055 mg/L	-0.0055 mg/L	18:52:24
2	Sb 206.836†	40.9	4.8	0.0028 mg/L	0.0028 mg/L	18:52:24
2	Se 196.026†	-12.7	-13.0	-0.0141 mg/L	-0.0141 mg/L	18:52:24
2	Sn 189.927†	-328.0	-336.5	-0.0783 mg/L	-0.0783 mg/L	18:52:24
2	Ti 337.279†	-24.5	434.2	-0.0014 mg/L	-0.0014 mg/L	18:52:14
2	Tl 190.801†	14.9	13.2	0.0047 mg/L	0.0047 mg/L	18:52:24
2	V 292.402†	-677.6	-6.3	-0.0021 mg/L	-0.0021 mg/L	18:52:14
2	Zn 213.857†	2219.6	1456.9	0.0145 mg/L	0.0145 mg/L	18:52:24

Mean Data: 1210141-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2430007.8	0.981 mg/L	0.0028			0.28%
Ag 328.068†	-173.9	-0.0030 mg/L	0.00040	-0.0030 mg/L	0.00040	13.45%
Al 237.313†	363.8	0.0392 mg/L	0.00262	0.0392 mg/L	0.00262	6.69%
As 188.979†	-18.2	-0.0211 mg/L	0.00200	-0.0211 mg/L	0.00200	9.49%

2	Fe 234.349†	6.9	13.1	0.0288	mg/L	0.0288	mg/L	18:56:28
2	K 766.490†	2491.6	2476.0	1.529	mg/L	1.529	mg/L	18:56:17
2	Li 670.784†	-120.6	47.5	0.0020	mg/L	0.0020	mg/L	18:56:17
2	Na 589.592†	7260475.0	7706497.9	1261	mg/L	1261	mg/L	18:56:07
2	Sr 407.771†	1100.2	1036.9	0.0015	mg/L	0.0015	mg/L	18:56:17
2	Y 371.029	2333600.7	2333600.7	0.942	mg/L			18:56:46
2	Ag 328.068†	1301.6	-2.6	-0.0015	mg/L	-0.0015	mg/L	18:56:48
2	Al 237.313†	-79.7	42.9	-0.0023	mg/L	-0.0023	mg/L	18:56:58
2	As 188.979†	2.3	-0.5	0.0010	mg/L	0.0010	mg/L	18:56:58
2	B 182.528†	29.3	28.5	0.0610	mg/L	0.0610	mg/L	18:56:58
2	Ba 233.527†	672.6	768.3	0.0087	mg/L	0.0087	mg/L	18:56:58
2	Be 313.107†	-442.4	46.2	-0.0001	mg/L	-0.0001	mg/L	18:56:48
2	Ca 315.887†	95108.7	100801.6	0.9333	mg/L	0.9333	mg/L	18:56:48
2	Cd 228.802†	63.3	4.4	0.0001	mg/L	0.0001	mg/L	18:56:58
2	Co 228.616†	-55.2	6.2	-0.0026	mg/L	-0.0026	mg/L	18:56:58
2	Cr 267.716†	445.6	64.6	-0.0025	mg/L	-0.0025	mg/L	18:56:48
2	Cu 324.752†	1825.6	704.5	0.0006	mg/L	0.0006	mg/L	18:56:48
2	Fe 238.204†	1150.4	1064.4	-0.0027	mg/L	-0.0027	mg/L	18:56:58
2	Mg 279.077†	1553.8	1514.4	0.0958	mg/L	0.0958	mg/L	18:56:48
2	Mn 257.610†	1784.5	726.0	-0.0016	mg/L	-0.0016	mg/L	18:56:58
2	Mo 202.031†	-18.0	-46.3	-0.0027	mg/L	-0.0027	mg/L	18:56:58
2	Ni 231.604†	85.2	109.3	0.0001	mg/L	0.0001	mg/L	18:56:58
2	P 214.914†	346.4	25.0	0.0427	mg/L	0.0427	mg/L	18:56:58
2	Pb 220.353†	103.7	51.9	0.0006	mg/L	0.0006	mg/L	18:56:58
2	Sb 206.836†	29.7	-5.3	-0.0057	mg/L	-0.0057	mg/L	18:56:58
2	Se 196.026†	8.3	8.7	0.0070	mg/L	0.0070	mg/L	18:56:58
2	Sn 189.927†	-19.4	-23.5	-0.0079	mg/L	-0.0079	mg/L	18:56:58
2	Ti 337.279†	-100.4	352.5	-0.0016	mg/L	-0.0016	mg/L	18:56:48
2	Tl 190.801†	2.6	0.8	-0.0039	mg/L	-0.0039	mg/L	18:56:58
2	V 292.402†	-674.0	-32.3	-0.0024	mg/L	-0.0024	mg/L	18:56:48
2	Zn 213.857†	2044.2	1368.6	0.0136	mg/L	0.0136	mg/L	18:56:58

Mean Data: CJ20602-BLK1

Analyte	Mean Corrected Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	2329686.4	0.941	mg/L	0.0022				0.24%
Ag 328.068†	34.1	-0.0012	mg/L	0.00044	-0.0012	mg/L	0.00044	35.82%
Al 237.313†	40.5	-0.0026	mg/L	0.00044	-0.0026	mg/L	0.00044	17.02%
As 188.979†	-2.5	-0.0015	mg/L	0.00354	-0.0015	mg/L	0.00354	230.85%
B 182.528†	27.2	0.0584	mg/L	0.00362	0.0584	mg/L	0.00362	6.19%
B 249.677†	122.1	0.0737	mg/L	0.00087	0.0737	mg/L	0.00087	1.18%
Ba 233.527†	761.8	0.0086	mg/L	0.00013	0.0086	mg/L	0.00013	1.47%
Be 313.107†	63.2	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	11.43%
Ca 315.887†	100981.6	0.9350	mg/L	0.00240	0.9350	mg/L	0.00240	0.26%
Cd 228.802†	6.8	0.0002	mg/L	0.00014	0.0002	mg/L	0.00014	63.20%
Co 228.616†	1.7	-0.0027	mg/L	0.00016	-0.0027	mg/L	0.00016	5.96%
Cr 267.716†	59.7	-0.0026	mg/L	0.00008	-0.0026	mg/L	0.00008	2.95%
Cu 324.752†	706.1	0.0007	mg/L	0.00001	0.0007	mg/L	0.00001	1.98%
Fe 234.349†	7.4	0.0239	mg/L	0.00692	0.0239	mg/L	0.00692	28.89%
Fe 238.204†	1062.9	-0.0027	mg/L	0.00002	-0.0027	mg/L	0.00002	0.67%
K 766.490†	2516.1	1.551	mg/L	0.0305	1.551	mg/L	0.0305	1.97%
Li 670.784†	51.7	0.0022	mg/L	0.00018	0.0022	mg/L	0.00018	8.39%
Mg 279.077†	1532.7	0.0974	mg/L	0.00229	0.0974	mg/L	0.00229	2.35%
Mn 257.610†	717.0	-0.0016	mg/L	0.00002	-0.0016	mg/L	0.00002	1.39%
Mo 202.031†	-46.1	-0.0027	mg/L	0.00001	-0.0027	mg/L	0.00001	0.41%
Na 589.592†	7792186.4	1275	mg/L	19.8	1275	mg/L	19.8	1.56%
Ni 231.604†	113.3	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	87.44%
P 214.914†	28.8	0.0449	mg/L	0.00313	0.0449	mg/L	0.00313	6.96%
Pb 220.353†	30.7	-0.0012	mg/L	0.00258	-0.0012	mg/L	0.00258	206.77%
Sb 206.836†	-5.0	-0.0054	mg/L	0.00037	-0.0054	mg/L	0.00037	6.91%
Se 196.026†	7.7	0.0059	mg/L	0.00147	0.0059	mg/L	0.00147	24.84%
Sn 189.927†	-24.2	-0.0081	mg/L	0.00024	-0.0081	mg/L	0.00024	2.95%
Sr 407.771†	1093.8	0.0016	mg/L	0.00008	0.0016	mg/L	0.00008	5.27%
Ti 337.279†	347.0	-0.0016	mg/L	0.00001	-0.0016	mg/L	0.00001	0.71%
Tl 190.801†	2.0	-0.0031	mg/L	0.00118	-0.0031	mg/L	0.00118	38.22%
V 292.402†	-13.5	-0.0023	mg/L	0.00017	-0.0023	mg/L	0.00017	7.41%
Zn 213.857†	1249.9	0.0123	mg/L	0.00181	0.0123	mg/L	0.00181	14.64%

Sequence No.: 46
Sample ID: CJ20602-BS1
Analyst:

Autosampler Location: 46
Date Collected: 10/6/2012 6:58:36 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	991.6	1007.7	0.5884	mg/L	0.5884	mg/L	19:00:30
1	Fe 234.349†	2946.1	3012.2	2.589	mg/L	2.589	mg/L	19:00:30
1	K 766.490†	53749.7	54681.5	29.61	mg/L	29.61	mg/L	19:00:20
1	Li 670.784†	19585.5	20162.0	0.6234	mg/L	0.6234	mg/L	19:00:20
1	Na 589.592†	7798914.6	7958454.1	1302	mg/L	1302	mg/L	19:00:18
1	Sr 407.771†	46034.1	46845.7	0.0496	mg/L	0.0496	mg/L	19:00:20
1	Y 371.029	2427304.7	2427304.7	0.980	mg/L			19:00:49
1	Ag 328.068†	31501.7	30762.5	0.2605	mg/L	0.2605	mg/L	19:00:52
1	Al 237.313†	17970.1	18465.5	2.381	mg/L	2.381	mg/L	19:00:52
1	As 188.979†	416.3	421.8	0.5281	mg/L	0.5281	mg/L	19:01:02
1	B 182.528†	281.5	284.7	0.5609	mg/L	0.5609	mg/L	19:01:02
1	Ba 233.527†	35345.9	36124.1	0.4977	mg/L	0.4977	mg/L	19:00:52
1	Be 313.107†	78875.4	81006.3	0.0483	mg/L	0.0483	mg/L	19:00:52
1	Ca 315.887†	581349.1	593101.0	5.574	mg/L	5.574	mg/L	19:00:49
1	Cd 228.802†	7137.2	7220.5	0.2534	mg/L	0.2534	mg/L	19:01:02
1	Co 228.616†	18377.9	18819.0	0.4691	mg/L	0.4691	mg/L	19:00:52
1	Cr 267.716†	43639.8	44125.0	0.4833	mg/L	0.4833	mg/L	19:00:52
1	Cu 324.752†	90715.7	91340.0	0.5114	mg/L	0.5114	mg/L	19:00:52
1	Fe 238.204†	271260.8	276658.5	2.327	mg/L	2.327	mg/L	19:00:52
1	Mg 279.077†	51843.2	52769.8	4.618	mg/L	4.618	mg/L	19:00:52
1	Mn 257.610†	270640.5	275013.9	0.4835	mg/L	0.4835	mg/L	19:00:52
1	Mo 202.031†	8869.0	9023.5	0.4797	mg/L	0.4797	mg/L	19:01:02
1	Ni 231.604†	13545.3	13841.4	0.4875	mg/L	0.4875	mg/L	19:00:52
1	P 214.914†	8837.5	8675.7	5.183	mg/L	5.183	mg/L	19:01:02
1	Pb 220.353†	5441.3	5494.6	0.4686	mg/L	0.4686	mg/L	19:01:02
1	Sb 206.836†	618.3	594.1	0.4985	mg/L	0.4985	mg/L	19:01:02
1	Se 196.026†	1132.4	1155.5	1.120	mg/L	1.120	mg/L	19:01:02
1	Sn 189.927†	2201.8	2244.1	0.5123	mg/L	0.5123	mg/L	19:01:02
1	Ti 337.279†	345653.1	353189.8	0.4977	mg/L	0.4977	mg/L	19:00:52
1	Tl 190.801†	633.2	644.2	0.4405	mg/L	0.4405	mg/L	19:01:02
1	V 292.402†	77169.7	79432.9	0.5010	mg/L	0.5010	mg/L	19:00:52
1	Zn 213.857†	49920.6	50141.7	0.5344	mg/L	0.5344	mg/L	19:00:52
2	B 249.677†	986.1	989.5	0.5778	mg/L	0.5778	mg/L	19:00:46
2	Fe 234.349†	2959.6	2987.9	2.568	mg/L	2.568	mg/L	19:00:46
2	K 766.490†	54843.2	55091.9	29.83	mg/L	29.83	mg/L	19:00:35
2	Li 670.784†	20032.4	20360.4	0.6295	mg/L	0.6295	mg/L	19:00:35
2	Na 589.592†	7757987.1	7816886.1	1279	mg/L	1279	mg/L	19:00:33
2	Sr 407.771†	46745.1	46970.0	0.0497	mg/L	0.0497	mg/L	19:00:35
2	Y 371.029	2458294.8	2458294.8	0.992	mg/L			19:01:04
2	Ag 328.068†	31590.5	30446.7	0.2578	mg/L	0.2578	mg/L	19:01:07
2	Al 237.313†	18226.0	18492.2	2.384	mg/L	2.384	mg/L	19:01:07
2	As 188.979†	416.7	416.8	0.5220	mg/L	0.5220	mg/L	19:01:17
2	B 182.528†	286.5	286.0	0.5635	mg/L	0.5635	mg/L	19:01:17
2	Ba 233.527†	35658.3	35984.1	0.4958	mg/L	0.4958	mg/L	19:01:07
2	Be 313.107†	79762.4	80885.4	0.0482	mg/L	0.0482	mg/L	19:01:07
2	Ca 315.887†	585860.3	590167.8	5.546	mg/L	5.546	mg/L	19:01:04
2	Cd 228.802†	7179.4	7171.2	0.2517	mg/L	0.2517	mg/L	19:01:17
2	Co 228.616†	18395.7	18600.5	0.4636	mg/L	0.4636	mg/L	19:01:07
2	Cr 267.716†	43911.3	43837.1	0.4801	mg/L	0.4801	mg/L	19:01:07
2	Cu 324.752†	91442.1	90904.8	0.5089	mg/L	0.5089	mg/L	19:01:07
2	Fe 238.204†	273423.7	275348.1	2.316	mg/L	2.316	mg/L	19:01:07
2	Mg 279.077†	52387.5	52651.4	4.607	mg/L	4.607	mg/L	19:01:07
2	Mn 257.610†	272529.7	273435.8	0.4807	mg/L	0.4807	mg/L	19:01:07
2	Mo 202.031†	8943.8	8984.8	0.4776	mg/L	0.4776	mg/L	19:01:17
2	Ni 231.604†	13654.2	13777.0	0.4852	mg/L	0.4852	mg/L	19:01:07
2	P 214.914†	8898.3	8623.3	5.152	mg/L	5.152	mg/L	19:01:17
2	Pb 220.353†	5441.2	5424.4	0.4626	mg/L	0.4626	mg/L	19:01:17
2	Sb 206.836†	626.0	594.0	0.4984	mg/L	0.4984	mg/L	19:01:17
2	Se 196.026†	1140.7	1149.4	1.114	mg/L	1.114	mg/L	19:01:17
2	Sn 189.927†	2217.7	2231.7	0.5094	mg/L	0.5094	mg/L	19:01:17
2	Ti 337.279†	348457.6	351569.0	0.4954	mg/L	0.4954	mg/L	19:01:07
2	Tl 190.801†	630.6	633.4	0.4330	mg/L	0.4330	mg/L	19:01:17
2	V 292.402†	77630.0	78904.0	0.4976	mg/L	0.4976	mg/L	19:01:07
2	Zn 213.857†	50347.7	49929.7	0.5321	mg/L	0.5321	mg/L	19:01:07

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2442799.7	0.986	mg/L	0.0088				0.90%
Ag 328.068†	30604.6	0.2591	mg/L	0.00190	0.2591	mg/L	0.00190	0.73%
Al 237.313†	18478.9	2.383	mg/L	0.0024	2.383	mg/L	0.0024	0.10%
As 188.979†	419.3	0.5250	mg/L	0.00437	0.5250	mg/L	0.00437	0.83%
B 182.528†	285.3	0.5622	mg/L	0.00183	0.5622	mg/L	0.00183	0.33%
B 249.677†	998.6	0.5831	mg/L	0.00749	0.5831	mg/L	0.00749	1.28%
Ba 233.527†	36054.1	0.4968	mg/L	0.00137	0.4968	mg/L	0.00137	0.28%
Be 313.107†	80945.9	0.0482	mg/L	0.00005	0.0482	mg/L	0.00005	0.11%
Ca 315.887†	591634.4	5.560	mg/L	0.0196	5.560	mg/L	0.0196	0.35%
Cd 228.802†	7195.9	0.2526	mg/L	0.00122	0.2526	mg/L	0.00122	0.48%
Co 228.616†	18709.8	0.4663	mg/L	0.00388	0.4663	mg/L	0.00388	0.83%
Cr 267.716†	43981.1	0.4817	mg/L	0.00224	0.4817	mg/L	0.00224	0.47%
Cu 324.752†	91122.4	0.5102	mg/L	0.00173	0.5102	mg/L	0.00173	0.34%
Fe 234.349†	3000.1	2.578	mg/L	0.0147	2.578	mg/L	0.0147	0.57%
Fe 238.204†	276003.3	2.322	mg/L	0.0078	2.322	mg/L	0.0078	0.34%
K 766.490†	54886.7	29.72	mg/L	0.156	29.72	mg/L	0.156	0.53%
Li 670.784†	20261.2	0.6264	mg/L	0.00433	0.6264	mg/L	0.00433	0.69%
Mg 279.077†	52710.6	4.613	mg/L	0.0074	4.613	mg/L	0.0074	0.16%
Mn 257.610†	274224.9	0.4821	mg/L	0.00197	0.4821	mg/L	0.00197	0.41%
Mo 202.031†	9004.1	0.4787	mg/L	0.00145	0.4787	mg/L	0.00145	0.30%
Na 589.592†	7887670.1	1290	mg/L	16.4	1290	mg/L	16.4	1.27%
Ni 231.604†	13809.2	0.4863	mg/L	0.00162	0.4863	mg/L	0.00162	0.33%
P 214.914†	8649.5	5.167	mg/L	0.0221	5.167	mg/L	0.0221	0.43%
Pb 220.353†	5459.5	0.4656	mg/L	0.00428	0.4656	mg/L	0.00428	0.92%
Sb 206.836†	594.0	0.4985	mg/L	0.00009	0.4985	mg/L	0.00009	0.02%
Se 196.026†	1152.4	1.117	mg/L	0.0042	1.117	mg/L	0.0042	0.38%
Sn 189.927†	2237.9	0.5108	mg/L	0.00202	0.5108	mg/L	0.00202	0.40%
Sr 407.771†	46907.8	0.0497	mg/L	0.00009	0.0497	mg/L	0.00009	0.19%
Ti 337.279†	352379.4	0.4966	mg/L	0.00162	0.4966	mg/L	0.00162	0.33%
Tl 190.801†	638.8	0.4367	mg/L	0.00531	0.4367	mg/L	0.00531	1.22%
V 292.402†	79168.4	0.4993	mg/L	0.00236	0.4993	mg/L	0.00236	0.47%
Zn 213.857†	50035.7	0.5333	mg/L	0.00160	0.5333	mg/L	0.00160	0.30%

Sequence No.: 47

Sample ID: CJ20602-BS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 47

Date Collected: 10/6/2012 7:02:55 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20602-BS1

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	947.8	1000.7	0.5842	mg/L	0.5842	mg/L	19:04:48
1	Fe 234.349†	2811.1	2986.0	2.566	mg/L	2.566	mg/L	19:04:48
1	K 766.490†	52767.6	55775.1	30.20	mg/L	30.20	mg/L	19:04:38
1	Li 670.784†	18949.2	20265.3	0.6266	mg/L	0.6266	mg/L	19:04:38
1	Na 589.592†	7551058.5	8005421.8	1310	mg/L	1310	mg/L	19:04:36
1	Sr 407.771†	44663.2	47220.6	0.0500	mg/L	0.0500	mg/L	19:04:38
1	Y 371.029	2336374.7	2336374.7	0.943	mg/L			19:05:07
1	Ag 328.068†	31292.6	31791.9	0.2692	mg/L	0.2692	mg/L	19:05:10
1	Al 237.313†	18056.6	19270.9	2.485	mg/L	2.485	mg/L	19:05:10
1	As 188.979†	408.9	430.5	0.5390	mg/L	0.5390	mg/L	19:05:20
1	B 182.528†	280.5	294.7	0.5806	mg/L	0.5806	mg/L	19:05:20
1	Ba 233.527†	35261.5	37438.4	0.5159	mg/L	0.5159	mg/L	19:05:10
1	Be 313.107†	78530.5	83773.3	0.0499	mg/L	0.0499	mg/L	19:05:10
1	Ca 315.887†	569673.6	603811.7	5.675	mg/L	5.675	mg/L	19:05:07
1	Cd 228.802†	7014.7	7374.1	0.2588	mg/L	0.2588	mg/L	19:05:20
1	Co 228.616†	18253.4	19417.0	0.4841	mg/L	0.4841	mg/L	19:05:10
1	Cr 267.716†	43619.6	45836.8	0.5022	mg/L	0.5022	mg/L	19:05:10
1	Cu 324.752†	90318.9	94522.2	0.5293	mg/L	0.5293	mg/L	19:05:10
1	Fe 238.204†	269950.6	286042.8	2.407	mg/L	2.407	mg/L	19:05:10
1	Mg 279.077†	51784.3	54766.4	4.794	mg/L	4.794	mg/L	19:05:10
1	Mn 257.610†	269833.1	284906.7	0.5010	mg/L	0.5010	mg/L	19:05:10
1	Mo 202.031†	8759.1	9259.2	0.4922	mg/L	0.4922	mg/L	19:05:20
1	Ni 231.604†	13532.4	14365.8	0.5061	mg/L	0.5061	mg/L	19:05:10
1	P 214.914†	8612.9	8788.7	5.249	mg/L	5.249	mg/L	19:05:20
1	Pb 220.353†	5295.2	5555.8	0.4738	mg/L	0.4738	mg/L	19:05:20
1	Sb 206.836†	613.5	613.7	0.5150	mg/L	0.5150	mg/L	19:05:20

1	Se 196.026†	1104.3	1170.7	1.135 mg/L	1.135 mg/L	19:05:20
1	Sn 189.927†	2170.6	2298.3	0.5245 mg/L	0.5245 mg/L	19:05:20
1	Ti 337.279†	338996.3	359860.3	0.5072 mg/L	0.5072 mg/L	19:05:10
1	Tl 190.801†	615.8	650.9	0.4451 mg/L	0.4451 mg/L	19:05:20
1	V 292.402†	76870.3	82180.4	0.5184 mg/L	0.5184 mg/L	19:05:10
1	Zn 213.857†	49791.2	51987.0	0.5541 mg/L	0.5541 mg/L	19:05:10
2	B 249.677†	944.0	979.7	0.5721 mg/L	0.5721 mg/L	19:05:04
2	Fe 234.349†	2821.1	2946.0	2.532 mg/L	2.532 mg/L	19:05:04
2	K 766.490†	53587.4	55682.9	30.15 mg/L	30.15 mg/L	19:04:53
2	Li 670.784†	19254.6	20243.6	0.6259 mg/L	0.6259 mg/L	19:04:53
2	Na 589.592†	7693340.2	8018258.7	1312 mg/L	1312 mg/L	19:04:51
2	Sr 407.771†	45171.4	46949.1	0.0497 mg/L	0.0497 mg/L	19:04:53
2	Y 371.029	2376587.3	2376587.3	0.959 mg/L		19:05:22
2	Ag 328.068†	31492.4	31438.9	0.2662 mg/L	0.2662 mg/L	19:05:25
2	Al 237.313†	17875.9	18758.7	2.419 mg/L	2.419 mg/L	19:05:25
2	As 188.979†	413.1	427.5	0.5353 mg/L	0.5353 mg/L	19:05:35
2	B 182.528†	286.0	295.4	0.5819 mg/L	0.5819 mg/L	19:05:35
2	Ba 233.527†	35072.8	36609.2	0.5044 mg/L	0.5044 mg/L	19:05:25
2	Be 313.107†	78142.6	81960.2	0.0488 mg/L	0.0488 mg/L	19:05:25
2	Ca 315.887†	578438.2	602727.4	5.664 mg/L	5.664 mg/L	19:05:22
2	Cd 228.802†	7153.3	7392.8	0.2595 mg/L	0.2595 mg/L	19:05:35
2	Co 228.616†	18174.0	19006.7	0.4738 mg/L	0.4738 mg/L	19:05:25
2	Cr 267.716†	43562.1	44994.4	0.4929 mg/L	0.4929 mg/L	19:05:25
2	Cu 324.752†	90084.7	92657.9	0.5188 mg/L	0.5188 mg/L	19:05:25
2	Fe 238.204†	268920.8	280126.9	2.357 mg/L	2.357 mg/L	19:05:25
2	Mg 279.077†	51573.8	53618.0	4.693 mg/L	4.693 mg/L	19:05:25
2	Mn 257.610†	268729.2	278915.7	0.4904 mg/L	0.4904 mg/L	19:05:25
2	Mo 202.031†	8951.2	9302.3	0.4946 mg/L	0.4946 mg/L	19:05:35
2	Ni 231.604†	13503.1	14092.4	0.4964 mg/L	0.4964 mg/L	19:05:25
2	P 214.914†	8869.5	8901.5	5.317 mg/L	5.317 mg/L	19:05:35
2	Pb 220.353†	5408.8	5579.2	0.4759 mg/L	0.4759 mg/L	19:05:35
2	Sb 206.836†	627.0	616.7	0.5175 mg/L	0.5175 mg/L	19:05:35
2	Se 196.026†	1141.3	1189.4	1.153 mg/L	1.153 mg/L	19:05:35
2	Sn 189.927†	2225.0	2316.2	0.5284 mg/L	0.5284 mg/L	19:05:35
2	Ti 337.279†	337769.7	352500.8	0.4967 mg/L	0.4967 mg/L	19:05:25
2	Tl 190.801†	632.9	657.7	0.4499 mg/L	0.4499 mg/L	19:05:35
2	V 292.402†	76623.6	80544.3	0.5081 mg/L	0.5081 mg/L	19:05:25
2	Zn 213.857†	49374.0	50659.1	0.5399 mg/L	0.5399 mg/L	19:05:25

Mean Data: CJ20602-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2356481.0	0.951	mg/L	0.0115				1.21%
Ag 328.068†	31615.4	0.2677	mg/L	0.00213	0.2677	mg/L	0.00213	0.79%
Al 237.313†	19014.8	2.452	mg/L	0.0468	2.452	mg/L	0.0468	1.91%
As 188.979†	429.0	0.5371	mg/L	0.00262	0.5371	mg/L	0.00262	0.49%
B 182.528†	295.1	0.5812	mg/L	0.00094	0.5812	mg/L	0.00094	0.16%
B 249.677†	990.2	0.5782	mg/L	0.00861	0.5782	mg/L	0.00861	1.49%
Ba 233.527†	37023.8	0.5102	mg/L	0.00811	0.5102	mg/L	0.00811	1.59%
Be 313.107†	82866.8	0.0494	mg/L	0.00077	0.0494	mg/L	0.00077	1.55%
Ca 315.887†	603269.6	5.669	mg/L	0.0073	5.669	mg/L	0.0073	0.13%
Cd 228.802†	7383.5	0.2592	mg/L	0.00048	0.2592	mg/L	0.00048	0.18%
Co 228.616†	19211.9	0.4789	mg/L	0.00727	0.4789	mg/L	0.00727	1.52%
Cr 267.716†	45415.6	0.4975	mg/L	0.00656	0.4975	mg/L	0.00656	1.32%
Cu 324.752†	93590.0	0.5241	mg/L	0.00743	0.5241	mg/L	0.00743	1.42%
Fe 234.349†	2966.0	2.549	mg/L	0.0241	2.549	mg/L	0.0241	0.95%
Fe 238.204†	283084.8	2.382	mg/L	0.0354	2.382	mg/L	0.0354	1.48%
K 766.490†	55729.0	30.17	mg/L	0.035	30.17	mg/L	0.035	0.12%
Li 670.784†	20254.5	0.6262	mg/L	0.00047	0.6262	mg/L	0.00047	0.08%
Mg 279.077†	54192.2	4.743	mg/L	0.0716	4.743	mg/L	0.0716	1.51%
Mn 257.610†	281911.2	0.4957	mg/L	0.00749	0.4957	mg/L	0.00749	1.51%
Mo 202.031†	9280.8	0.4934	mg/L	0.00164	0.4934	mg/L	0.00164	0.33%
Na 589.592†	8011840.3	1311	mg/L	1.5	1311	mg/L	1.5	0.11%
Ni 231.604†	14229.1	0.5012	mg/L	0.00685	0.5012	mg/L	0.00685	1.37%
P 214.914†	8845.1	5.283	mg/L	0.0475	5.283	mg/L	0.0475	0.90%
Pb 220.353†	5567.5	0.4748	mg/L	0.00146	0.4748	mg/L	0.00146	0.31%
Sb 206.836†	615.2	0.5163	mg/L	0.00178	0.5163	mg/L	0.00178	0.35%
Se 196.026†	1180.0	1.144	mg/L	0.0129	1.144	mg/L	0.0129	1.12%
Sn 189.927†	2307.3	0.5264	mg/L	0.00278	0.5264	mg/L	0.00278	0.53%
Sr 407.771†	47084.8	0.0498	mg/L	0.00020	0.0498	mg/L	0.00020	0.40%
Ti 337.279†	356180.5	0.5020	mg/L	0.00736	0.5020	mg/L	0.00736	1.47%
Tl 190.801†	654.3	0.4475	mg/L	0.00342	0.4475	mg/L	0.00342	0.76%

V 292.402†	81362.3	0.5132 mg/L	0.00726	0.5132 mg/L	0.00726	1.42%
Zn 213.857†	51323.1	0.5470 mg/L	0.01004	0.5470 mg/L	0.01004	1.84%

Sequence No.: 48	Autosampler Location: 48
Sample ID: 1210124-01TCLP	Date Collected: 10/6/2012 7:07:13 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210124-01TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	140.3	143.1	0.0859 mg/L	0.0859 mg/L	0.0859 mg/L	19:09:06
1	Fe 234.349†	71.1	80.3	0.0722 mg/L	0.0722 mg/L	0.0722 mg/L	19:09:06
1	K 766.490†	9765.7	10082.7	5.620 mg/L	5.620 mg/L	5.620 mg/L	19:08:56
1	Li 670.784†	-0.2	175.2	0.0060 mg/L	0.0060 mg/L	0.0060 mg/L	19:08:56
1	Na 589.592†	7721050.5	8104938.0	1326 mg/L	1326 mg/L	1326 mg/L	19:08:54
1	Sr 407.771†	110458.2	115821.3	0.1220 mg/L	0.1220 mg/L	0.1220 mg/L	19:08:56
1	Y 371.029	2359639.6	2359639.6	0.953 mg/L	0.953 mg/L	0.953 mg/L	19:09:25
1	Ag 328.068†	1368.9	52.8	-0.0011 mg/L	-0.0011 mg/L	-0.0011 mg/L	19:09:27
1	Al 237.313†	2623.2	2881.1	0.3642 mg/L	0.3642 mg/L	0.3642 mg/L	19:09:37
1	As 188.979†	-3.7	-6.9	-0.0070 mg/L	-0.0070 mg/L	-0.0070 mg/L	19:09:37
1	B 182.528†	28.7	27.5	0.0590 mg/L	0.0590 mg/L	0.0590 mg/L	19:09:37
1	Ba 233.527†	29496.7	31018.3	0.4273 mg/L	0.4273 mg/L	0.4273 mg/L	19:09:27
1	Be 313.107†	75.1	594.6	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	19:09:27
1	Ca 315.887†	1680477.8	1763911.5	16.60 mg/L	16.60 mg/L	16.60 mg/L	19:09:25
1	Cd 228.802†	229.8	178.4	0.0063 mg/L	0.0063 mg/L	0.0063 mg/L	19:09:37
1	Co 228.616†	96.7	166.4	0.0014 mg/L	0.0014 mg/L	0.0014 mg/L	19:09:37
1	Cr 267.716†	490.3	106.4	-0.0020 mg/L	-0.0020 mg/L	-0.0020 mg/L	19:09:27
1	Cu 324.752†	41334.8	42157.5	0.2341 mg/L	0.2341 mg/L	0.2341 mg/L	19:09:27
1	Fe 238.204†	4664.5	4739.8	0.0283 mg/L	0.0283 mg/L	0.0283 mg/L	19:09:27
1	Mg 279.077†	16213.4	16885.0	1.452 mg/L	1.452 mg/L	1.452 mg/L	19:09:27
1	Mn 257.610†	152231.3	158634.9	0.2776 mg/L	0.2776 mg/L	0.2776 mg/L	19:09:25
1	Mo 202.031†	46.2	21.3	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	19:09:37
1	Ni 231.604†	672.6	724.9	0.0219 mg/L	0.0219 mg/L	0.0219 mg/L	19:09:37
1	P 214.914†	591.9	278.7	0.1893 mg/L	0.1893 mg/L	0.1893 mg/L	19:09:37
1	Pb 220.353†	3312.0	3418.6	0.2900 mg/L	0.2900 mg/L	0.2900 mg/L	19:09:37
1	Sb 206.836†	38.0	3.1	0.0014 mg/L	0.0014 mg/L	0.0014 mg/L	19:09:37
1	Se 196.026†	-0.8	-1.0	-0.0024 mg/L	-0.0024 mg/L	-0.0024 mg/L	19:09:37
1	Sn 189.927†	-167.4	-178.6	-0.0428 mg/L	-0.0428 mg/L	-0.0428 mg/L	19:09:37
1	Ti 337.279†	581.3	1069.4	-0.0005 mg/L	-0.0005 mg/L	-0.0005 mg/L	19:09:27
1	Tl 190.801†	15.4	14.2	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	19:09:37
1	V 292.402†	-600.8	52.4	-0.0018 mg/L	-0.0018 mg/L	-0.0018 mg/L	19:09:27
1	Zn 213.857†	68103.2	70689.4	0.7584 mg/L	0.7584 mg/L	0.7584 mg/L	19:09:27
2	B 249.677†	133.7	135.7	0.0816 mg/L	0.0816 mg/L	0.0816 mg/L	19:09:21
2	Fe 234.349†	76.4	85.6	0.0767 mg/L	0.0767 mg/L	0.0767 mg/L	19:09:21
2	K 766.490†	9451.6	9717.8	5.424 mg/L	5.424 mg/L	5.424 mg/L	19:09:11
2	Li 670.784†	-37.2	136.5	0.0048 mg/L	0.0048 mg/L	0.0048 mg/L	19:09:11
2	Na 589.592†	7608106.0	7958043.1	1302 mg/L	1302 mg/L	1302 mg/L	19:09:09
2	Sr 407.771†	105833.9	110572.9	0.1165 mg/L	0.1165 mg/L	0.1165 mg/L	19:09:11
2	Y 371.029	2368040.4	2368040.4	0.956 mg/L	0.956 mg/L	0.956 mg/L	19:09:40
2	Ag 328.068†	1307.4	-16.6	-0.0017 mg/L	-0.0017 mg/L	-0.0017 mg/L	19:09:42
2	Al 237.313†	2630.9	2879.5	0.3640 mg/L	0.3640 mg/L	0.3640 mg/L	19:09:52
2	As 188.979†	-3.4	-6.6	-0.0065 mg/L	-0.0065 mg/L	-0.0065 mg/L	19:09:52
2	B 182.528†	34.4	33.3	0.0704 mg/L	0.0704 mg/L	0.0704 mg/L	19:09:52
2	Ba 233.527†	29754.2	31177.7	0.4295 mg/L	0.4295 mg/L	0.4295 mg/L	19:09:42
2	Be 313.107†	44.4	562.3	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	19:09:42
2	Ca 315.887†	1678885.5	1755987.9	16.53 mg/L	16.53 mg/L	16.53 mg/L	19:09:40
2	Cd 228.802†	234.4	182.4	0.0065 mg/L	0.0065 mg/L	0.0065 mg/L	19:09:52
2	Co 228.616†	86.0	154.9	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	19:09:52
2	Cr 267.716†	472.3	85.7	-0.0023 mg/L	-0.0023 mg/L	-0.0023 mg/L	19:09:42
2	Cu 324.752†	41771.1	42460.0	0.2358 mg/L	0.2358 mg/L	0.2358 mg/L	19:09:42
2	Fe 238.204†	4625.5	4681.7	0.0279 mg/L	0.0279 mg/L	0.0279 mg/L	19:09:42
2	Mg 279.077†	16298.8	16913.9	1.455 mg/L	1.455 mg/L	1.455 mg/L	19:09:42
2	Mn 257.610†	151703.6	157516.0	0.2756 mg/L	0.2756 mg/L	0.2756 mg/L	19:09:40
2	Mo 202.031†	42.8	17.7	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	19:09:52
2	Ni 231.604†	694.8	745.6	0.0226 mg/L	0.0226 mg/L	0.0226 mg/L	19:09:52
2	P 214.914†	557.0	240.0	0.1663 mg/L	0.1663 mg/L	0.1663 mg/L	19:09:52
2	Pb 220.353†	3329.5	3424.5	0.2905 mg/L	0.2905 mg/L	0.2905 mg/L	19:09:52
2	Sb 206.836†	36.3	1.1	-0.0003 mg/L	-0.0003 mg/L	-0.0003 mg/L	19:09:52
2	Se 196.026†	-4.0	-4.3	-0.0056 mg/L	-0.0056 mg/L	-0.0056 mg/L	19:09:52

2	Sn 189.927†	-174.3	-185.2	-0.0443 mg/L	-0.0443 mg/L	19:09:52
2	Ti 337.279†	607.6	1094.7	-0.0005 mg/L	-0.0005 mg/L	19:09:42
2	Tl 190.801†	10.3	8.8	0.0016 mg/L	0.0016 mg/L	19:09:52
2	V 292.402†	-628.5	25.6	-0.0020 mg/L	-0.0020 mg/L	19:09:42
2	Zn 213.857†	68716.8	71077.7	0.7625 mg/L	0.7625 mg/L	19:09:42

Mean Data: 1210124-01TCLP

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2363840.0	0.954 mg/L		0.0024				0.25%
Ag 328.068†	18.1	-0.0014 mg/L		0.00042	-0.0014 mg/L		0.00042	30.61%
Al 237.313†	2880.3	0.3641 mg/L		0.00015	0.3641 mg/L		0.00015	0.04%
As 188.979†	-6.7	-0.0068 mg/L		0.00031	-0.0068 mg/L		0.00031	4.57%
B 182.528†	30.4	0.0647 mg/L		0.00807	0.0647 mg/L		0.00807	12.48%
B 249.677†	139.4	0.0838 mg/L		0.00307	0.0838 mg/L		0.00307	3.67%
Ba 233.527†	31098.0	0.4284 mg/L		0.00156	0.4284 mg/L		0.00156	0.36%
Be 313.107†	578.5	0.0002 mg/L		0.00001	0.0002 mg/L		0.00001	7.49%
Ca 315.887†	1759949.7	16.56 mg/L		0.053	16.56 mg/L		0.053	0.32%
Cd 228.802†	180.4	0.0064 mg/L		0.00010	0.0064 mg/L		0.00010	1.52%
Co 228.616†	160.6	0.0013 mg/L		0.00020	0.0013 mg/L		0.00020	15.79%
Cr 267.716†	96.0	-0.0021 mg/L		0.00016	-0.0021 mg/L		0.00016	7.51%
Cu 324.752†	42308.7	0.2349 mg/L		0.00120	0.2349 mg/L		0.00120	0.51%
Fe 234.349†	83.0	0.0745 mg/L		0.00324	0.0745 mg/L		0.00324	4.35%
Fe 238.204†	4710.7	0.0281 mg/L		0.00035	0.0281 mg/L		0.00035	1.24%
K 766.490†	9900.2	5.522 mg/L		0.1388	5.522 mg/L		0.1388	2.51%
Li 670.784†	155.9	0.0054 mg/L		0.00085	0.0054 mg/L		0.00085	15.66%
Mg 279.077†	16899.4	1.454 mg/L		0.0018	1.454 mg/L		0.0018	0.12%
Mn 257.610†	158075.5	0.2766 mg/L		0.00140	0.2766 mg/L		0.00140	0.51%
Mo 202.031†	19.5	0.0006 mg/L		0.00014	0.0006 mg/L		0.00014	22.69%
Na 589.592†	8031490.6	1314 mg/L		17.0	1314 mg/L		17.0	1.29%
Ni 231.604†	735.3	0.0223 mg/L		0.00052	0.0223 mg/L		0.00052	2.33%
P 214.914†	259.3	0.1778 mg/L		0.01630	0.1778 mg/L		0.01630	9.16%
Pb 220.353†	3421.6	0.2902 mg/L		0.00036	0.2902 mg/L		0.00036	0.12%
Sb 206.836†	2.1	0.0006 mg/L		0.00117	0.0006 mg/L		0.00117	204.64%
Se 196.026†	-2.6	-0.0040 mg/L		0.00229	-0.0040 mg/L		0.00229	57.05%
Sn 189.927†	-181.9	-0.0436 mg/L		0.00104	-0.0436 mg/L		0.00104	2.38%
Sr 407.771†	113197.1	0.1192 mg/L		0.00389	0.1192 mg/L		0.00389	3.27%
Ti 337.279†	1082.0	-0.0005 mg/L		0.00003	-0.0005 mg/L		0.00003	4.82%
Tl 190.801†	11.5	0.0035 mg/L		0.00266	0.0035 mg/L		0.00266	75.45%
V 292.402†	39.0	-0.0019 mg/L		0.00012	-0.0019 mg/L		0.00012	6.31%
Zn 213.857†	70883.6	0.7604 mg/L		0.00295	0.7604 mg/L		0.00295	0.39%

Sequence No.: 49
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/6/2012 7:11:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	925.3	849.8	0.4964 mg/L	0.4964 mg/L	19:13:24
1	Fe 234.349†	3227.9	2984.7	2.565 mg/L	2.565 mg/L	19:13:24
1	K 766.490†	47946.8	44080.6	23.91 mg/L	23.91 mg/L	19:13:14
1	Li 670.784†	16950.6	15818.9	0.4892 mg/L	0.4892 mg/L	19:13:14
1	Na 589.592†	170705.8	157391.2	25.85 mg/L	25.85 mg/L	19:13:14
1	Sr 407.771†	50033.1	46043.8	0.0488 mg/L	0.0488 mg/L	19:13:14
1	Y 371.029	2683982.1	2683982.1	1.08 mg/L		19:13:41
1	Ag 328.068†	33215.6	29270.0	0.2478 mg/L	0.2478 mg/L	19:13:43
1	Al 237.313†	20343.5	18902.2	2.438 mg/L	2.438 mg/L	19:13:43
1	As 188.979†	424.1	388.4	0.4865 mg/L	0.4865 mg/L	19:13:53
1	B 182.528†	279.5	255.3	0.5036 mg/L	0.5036 mg/L	19:13:53
1	Ba 233.527†	39172.5	36206.2	0.4989 mg/L	0.4989 mg/L	19:13:43
1	Be 313.107†	87663.0	81418.7	0.0485 mg/L	0.0485 mg/L	19:13:43
1	Ca 315.887†	559151.6	515880.7	4.846 mg/L	4.846 mg/L	19:13:41
1	Cd 228.802†	7539.7	6895.4	0.2421 mg/L	0.2421 mg/L	19:13:53
1	Co 228.616†	21378.6	19794.9	0.4936 mg/L	0.4936 mg/L	19:13:43
1	Cr 267.716†	48802.6	44630.8	0.4889 mg/L	0.4889 mg/L	19:13:43
1	Cu 324.752†	97329.3	88590.5	0.4959 mg/L	0.4959 mg/L	19:13:43
1	Fe 238.204†	311457.1	287282.3	2.417 mg/L	2.417 mg/L	19:13:43

1	Mg	279.077†	61317.2	56453.8	4.943	mg/L	4.943	mg/L	19:13:43
1	Mn	257.610†	310506.4	285393.4	0.5018	mg/L	0.5018	mg/L	19:13:43
1	Mo	202.031†	9903.2	9112.4	0.4844	mg/L	0.4844	mg/L	19:13:53
1	Ni	231.604†	15738.7	14543.8	0.5124	mg/L	0.5124	mg/L	19:13:43
1	P	214.914†	8984.4	7948.9	4.751	mg/L	4.751	mg/L	19:13:53
1	Pb	220.353†	6113.9	5584.3	0.4764	mg/L	0.4764	mg/L	19:13:53
1	Sb	206.836†	670.2	581.7	0.4881	mg/L	0.4881	mg/L	19:13:53
1	Se	196.026†	1121.2	1034.7	1.003	mg/L	1.003	mg/L	19:13:53
1	Sn	189.927†	2430.8	2240.5	0.5114	mg/L	0.5114	mg/L	19:13:53
1	Ti	337.279†	372272.3	344023.5	0.4848	mg/L	0.4848	mg/L	19:13:43
1	Tl	190.801†	766.1	705.0	0.4829	mg/L	0.4829	mg/L	19:13:53
1	V	292.402†	85013.8	79141.0	0.4992	mg/L	0.4992	mg/L	19:13:43
1	Zn	213.857†	51931.0	47125.2	0.5019	mg/L	0.5019	mg/L	19:13:43
2	B	249.677†	937.3	867.9	0.5069	mg/L	0.5069	mg/L	19:13:37
2	Fe	234.349†	3266.0	3044.4	2.616	mg/L	2.616	mg/L	19:13:37
2	K	766.490†	48234.0	44707.0	24.24	mg/L	24.24	mg/L	19:13:27
2	Li	670.784†	17222.9	16199.2	0.5010	mg/L	0.5010	mg/L	19:13:27
2	Na	589.592†	171012.9	158955.4	26.10	mg/L	26.10	mg/L	19:13:27
2	Sr	407.771†	50246.1	46616.7	0.0494	mg/L	0.0494	mg/L	19:13:27
2	Y	371.029	2662375.6	2662375.6	1.07	mg/L			19:13:56
2	Ag	328.068†	33489.8	29773.8	0.2521	mg/L	0.2521	mg/L	19:13:58
2	Al	237.313†	20672.0	19360.2	2.497	mg/L	2.497	mg/L	19:13:58
2	As	188.979†	424.3	391.8	0.4907	mg/L	0.4907	mg/L	19:14:08
2	B	182.528†	285.2	262.7	0.5180	mg/L	0.5180	mg/L	19:14:08
2	Ba	233.527†	39550.3	36851.0	0.5078	mg/L	0.5078	mg/L	19:13:58
2	Be	313.107†	88713.2	83052.3	0.0495	mg/L	0.0495	mg/L	19:13:58
2	Ca	315.887†	555748.2	516902.1	4.856	mg/L	4.856	mg/L	19:13:56
2	Cd	228.802†	7615.6	7022.5	0.2466	mg/L	0.2466	mg/L	19:14:08
2	Co	228.616†	21533.5	20099.1	0.5012	mg/L	0.5012	mg/L	19:13:58
2	Cr	267.716†	49107.3	45279.8	0.4960	mg/L	0.4960	mg/L	19:13:58
2	Cu	324.752†	97794.6	89752.3	0.5025	mg/L	0.5025	mg/L	19:13:58
2	Fe	238.204†	314190.5	292158.1	2.458	mg/L	2.458	mg/L	19:13:58
2	Mg	279.077†	61852.8	57411.4	5.027	mg/L	5.027	mg/L	19:13:58
2	Mn	257.610†	313644.5	290638.5	0.5111	mg/L	0.5111	mg/L	19:13:58
2	Mo	202.031†	10015.3	9290.9	0.4939	mg/L	0.4939	mg/L	19:14:08
2	Ni	231.604†	15862.7	14777.1	0.5207	mg/L	0.5207	mg/L	19:13:58
2	P	214.914†	9079.6	8104.7	4.843	mg/L	4.843	mg/L	19:14:08
2	Pb	220.353†	6180.1	5691.7	0.4856	mg/L	0.4856	mg/L	19:14:08
2	Sb	206.836†	679.6	595.5	0.4997	mg/L	0.4997	mg/L	19:14:08
2	Se	196.026†	1130.3	1051.5	1.019	mg/L	1.019	mg/L	19:14:08
2	Sn	189.927†	2470.6	2295.7	0.5240	mg/L	0.5240	mg/L	19:14:08
2	Ti	337.279†	375343.6	349669.2	0.4927	mg/L	0.4927	mg/L	19:13:58
2	Tl	190.801†	769.6	714.0	0.4891	mg/L	0.4891	mg/L	19:14:08
2	V	292.402†	85777.9	80488.6	0.5077	mg/L	0.5077	mg/L	19:13:58
2	Zn	213.857†	52252.2	47812.9	0.5092	mg/L	0.5092	mg/L	19:13:58

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2673178.9	1.08 mg/L	0.006			0.57%
Ag 328.068†	29521.9	0.2499 mg/L	0.00304	0.2499 mg/L	0.00304	1.21%
QC value within limits for Ag 328.068 Recovery = 99.97%						
Al 237.313†	19131.2	2.467 mg/L	0.0419	2.467 mg/L	0.0419	1.70%
QC value within limits for Al 237.313 Recovery = 98.69%						
As 188.979†	390.1	0.4886 mg/L	0.00293	0.4886 mg/L	0.00293	0.60%
QC value within limits for As 188.979 Recovery = 97.72%						
B 182.528†	259.0	0.5108 mg/L	0.01018	0.5108 mg/L	0.01018	1.99%
QC value within limits for B 182.528 Recovery = 102.17%						
B 249.677†	858.8	0.5016 mg/L	0.00744	0.5016 mg/L	0.00744	1.48%
QC value within limits for B 249.677 Recovery = 100.33%						
Ba 233.527†	36528.6	0.5033 mg/L	0.00631	0.5033 mg/L	0.00631	1.25%
QC value within limits for Ba 233.527 Recovery = 100.66%						
Be 313.107†	82235.5	0.0490 mg/L	0.00069	0.0490 mg/L	0.00069	1.41%
QC value within limits for Be 313.107 Recovery = 98.01%						
Ca 315.887†	516391.4	4.851 mg/L	0.0068	4.851 mg/L	0.0068	0.14%
QC value within limits for Ca 315.887 Recovery = 97.02%						
Cd 228.802†	6959.0	0.2443 mg/L	0.00317	0.2443 mg/L	0.00317	1.30%
QC value within limits for Cd 228.802 Recovery = 97.74%						
Co 228.616†	19947.0	0.4974 mg/L	0.00539	0.4974 mg/L	0.00539	1.08%
QC value within limits for Co 228.616 Recovery = 99.48%						
Cr 267.716†	44955.3	0.4925 mg/L	0.00506	0.4925 mg/L	0.00506	1.03%
QC value within limits for Cr 267.716 Recovery = 98.49%						

Cu	324.752†	89171.4	0.4992 mg/L	0.00463	0.4992 mg/L	0.00463	0.93%
	QC value within limits for Cu 324.752 Recovery = 99.84%						
Fe	234.349†	3014.6	2.591 mg/L	0.0361	2.591 mg/L	0.0361	1.39%
	QC value within limits for Fe 234.349 Recovery = 103.63%						
Fe	238.204†	289720.2	2.438 mg/L	0.0291	2.438 mg/L	0.0291	1.20%
	QC value within limits for Fe 238.204 Recovery = 97.51%						
K	766.490†	44393.8	24.08 mg/L	0.238	24.08 mg/L	0.238	0.99%
	QC value within limits for K 766.490 Recovery = 96.30%						
Li	670.784†	16009.1	0.4951 mg/L	0.00831	0.4951 mg/L	0.00831	1.68%
	QC value within limits for Li 670.784 Recovery = 99.02%						
Mg	279.077†	56932.6	4.985 mg/L	0.0597	4.985 mg/L	0.0597	1.20%
	QC value within limits for Mg 279.077 Recovery = 99.70%						
Mn	257.610†	288016.0	0.5065 mg/L	0.00656	0.5065 mg/L	0.00656	1.30%
	QC value within limits for Mn 257.610 Recovery = 101.30%						
Mo	202.031†	9201.6	0.4892 mg/L	0.00671	0.4892 mg/L	0.00671	1.37%
	QC value within limits for Mo 202.031 Recovery = 97.84%						
Na	589.592†	158173.3	25.97 mg/L	0.181	25.97 mg/L	0.181	0.70%
	QC value within limits for Na 589.592 Recovery = 103.90%						
Ni	231.604†	14660.4	0.5165 mg/L	0.00586	0.5165 mg/L	0.00586	1.13%
	QC value within limits for Ni 231.604 Recovery = 103.31%						
P	214.914†	8026.8	4.797 mg/L	0.0655	4.797 mg/L	0.0655	1.37%
	QC value within limits for P 214.914 Recovery = 95.94%						
Pb	220.353†	5638.0	0.4810 mg/L	0.00653	0.4810 mg/L	0.00653	1.36%
	QC value within limits for Pb 220.353 Recovery = 96.20%						
Sb	206.836†	588.6	0.4939 mg/L	0.00820	0.4939 mg/L	0.00820	1.66%
	QC value within limits for Sb 206.836 Recovery = 98.78%						
Se	196.026†	1043.1	1.011 mg/L	0.0116	1.011 mg/L	0.0116	1.14%
	QC value within limits for Se 196.026 Recovery = 101.12%						
Sn	189.927†	2268.1	0.5177 mg/L	0.00893	0.5177 mg/L	0.00893	1.73%
	QC value within limits for Sn 189.927 Recovery = 103.54%						
Sr	407.771†	46330.3	0.0491 mg/L	0.00043	0.0491 mg/L	0.00043	0.87%
	QC value within limits for Sr 407.771 Recovery = 98.12%						
Ti	337.279†	346846.4	0.4887 mg/L	0.00565	0.4887 mg/L	0.00565	1.16%
	QC value within limits for Ti 337.279 Recovery = 97.75%						
Tl	190.801†	709.5	0.4860 mg/L	0.00438	0.4860 mg/L	0.00438	0.90%
	QC value within limits for Tl 190.801 Recovery = 97.20%						
V	292.402†	79814.8	0.5035 mg/L	0.00604	0.5035 mg/L	0.00604	1.20%
	QC value within limits for V 292.402 Recovery = 100.69%						
Zn	213.857†	47469.1	0.5055 mg/L	0.00519	0.5055 mg/L	0.00519	1.03%
	QC value within limits for Zn 213.857 Recovery = 101.10%						
All analyte(s) passed QC.							

Sequence No.: 50
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/6/2012 7:15:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	17.4	12.1	0.0097 mg/L	0.0097 mg/L	19:17:45
1	Fe 234.349†	-10.0	-3.6	0.0154 mg/L	0.0154 mg/L	19:17:45
1	K 766.490†	487.7	286.8	0.3515 mg/L	0.3515 mg/L	19:17:35
1	Li 670.784†	-144.4	40.5	0.0018 mg/L	0.0018 mg/L	19:17:35
1	Na 589.592†	8900.7	8163.6	1.437 mg/L	1.437 mg/L	19:17:35
1	Sr 407.771†	132.7	-7.0	0.0004 mg/L	0.0004 mg/L	19:17:35
1	Y 371.029	2651738.5	2651738.5	1.07 mg/L		19:18:09
1	Ag 328.068†	1342.3	-130.4	-0.0026 mg/L	-0.0026 mg/L	19:18:12
1	Al 237.313†	-134.7	1.7	-0.0076 mg/L	-0.0076 mg/L	19:18:22
1	As 188.979†	-6.2	-8.8	-0.0093 mg/L	-0.0093 mg/L	19:18:22
1	B 182.528†	1.0	-1.7	0.0019 mg/L	0.0019 mg/L	19:18:22
1	Ba 233.527†	-51.3	6.5	-0.0018 mg/L	-0.0018 mg/L	19:18:22
1	Be 313.107†	-399.5	142.7	-0.0001 mg/L	-0.0001 mg/L	19:18:12
1	Ca 315.887†	384.0	206.9	-0.0143 mg/L	-0.0143 mg/L	19:18:12
1	Cd 228.802†	71.6	4.0	0.0002 mg/L	0.0002 mg/L	19:18:22
1	Co 228.616†	-55.9	12.6	-0.0024 mg/L	-0.0024 mg/L	19:18:22
1	Cr 267.716†	375.1	-57.9	-0.0038 mg/L	-0.0038 mg/L	19:18:12
1	Cu 324.752†	1519.5	186.2	-0.0023 mg/L	-0.0023 mg/L	19:18:12
1	Fe 238.204†	260.8	87.0	-0.0110 mg/L	-0.0110 mg/L	19:18:22
1	Mg 279.077†	142.8	-1.5	-0.0379 mg/L	-0.0379 mg/L	19:18:12

1	Mn 257.610†	572.1	-633.8	-0.0040	mg/L	-0.0040	mg/L	19:18:22
1	Mo 202.031†	45.7	15.6	0.0006	mg/L	0.0006	mg/L	19:18:22
1	Ni 231.604†	-6.8	12.4	-0.0033	mg/L	-0.0033	mg/L	19:18:22
1	P 214.914†	342.7	-22.6	0.0144	mg/L	0.0144	mg/L	19:18:22
1	Pb 220.353†	50.5	-10.9	-0.0048	mg/L	-0.0048	mg/L	19:18:22
1	Sb 206.836†	40.0	0.5	-0.0007	mg/L	-0.0007	mg/L	19:18:22
1	Se 196.026†	7.1	6.5	0.0048	mg/L	0.0048	mg/L	19:18:22
1	Sn 189.927†	5.8	2.6	-0.0021	mg/L	-0.0021	mg/L	19:18:22
1	Ti 337.279†	-170.5	299.8	-0.0016	mg/L	-0.0016	mg/L	19:18:12
1	Tl 190.801†	7.0	4.5	-0.0013	mg/L	-0.0013	mg/L	19:18:22
1	V 292.402†	-617.3	106.5	-0.0015	mg/L	-0.0015	mg/L	19:18:12
1	Zn 213.857†	1066.0	194.6	0.0010	mg/L	0.0010	mg/L	19:18:22
2	B 249.677†	10.5	5.8	0.0060	mg/L	0.0060	mg/L	19:18:06
2	Fe 234.349†	-15.2	-8.7	0.0111	mg/L	0.0111	mg/L	19:18:06
2	K 766.490†	475.5	281.9	0.3488	mg/L	0.3488	mg/L	19:17:56
2	Li 670.784†	-160.5	23.4	0.0013	mg/L	0.0013	mg/L	19:17:56
2	Na 589.592†	8737.7	8130.4	1.431	mg/L	1.431	mg/L	19:17:56
2	Sr 407.771†	160.3	21.0	0.0005	mg/L	0.0005	mg/L	19:17:56
2	Y 371.029	2613633.7	2613633.7	1.06	mg/L			19:18:24
2	Ag 328.068†	1371.3	-84.6	-0.0022	mg/L	-0.0022	mg/L	19:18:26
2	Al 237.313†	-150.6	-15.2	-0.0098	mg/L	-0.0098	mg/L	19:18:37
2	As 188.979†	-0.8	-3.7	-0.0030	mg/L	-0.0030	mg/L	19:18:37
2	B 182.528†	2.3	-0.5	0.0044	mg/L	0.0044	mg/L	19:18:37
2	Ba 233.527†	-43.9	12.8	-0.0017	mg/L	-0.0017	mg/L	19:18:37
2	Be 313.107†	-398.7	138.0	-0.0001	mg/L	-0.0001	mg/L	19:18:26
2	Ca 315.887†	214.7	51.7	-0.0157	mg/L	-0.0157	mg/L	19:18:26
2	Cd 228.802†	73.8	7.1	0.0002	mg/L	0.0002	mg/L	19:18:37
2	Co 228.616†	-64.4	3.8	-0.0026	mg/L	-0.0026	mg/L	19:18:37
2	Cr 267.716†	368.3	-59.3	-0.0039	mg/L	-0.0039	mg/L	19:18:26
2	Cu 324.752†	1518.3	205.7	-0.0022	mg/L	-0.0022	mg/L	19:18:26
2	Fe 238.204†	259.4	89.1	-0.0110	mg/L	-0.0110	mg/L	19:18:37
2	Mg 279.077†	154.4	11.5	-0.0368	mg/L	-0.0368	mg/L	19:18:26
2	Mn 257.610†	517.9	-677.4	-0.0041	mg/L	-0.0041	mg/L	19:18:37
2	Mo 202.031†	20.3	-7.8	-0.0007	mg/L	-0.0007	mg/L	19:18:37
2	Ni 231.604†	-12.6	6.8	-0.0035	mg/L	-0.0035	mg/L	19:18:37
2	P 214.914†	353.0	-8.1	0.0230	mg/L	0.0230	mg/L	19:18:37
2	Pb 220.353†	63.9	2.5	-0.0037	mg/L	-0.0037	mg/L	19:18:37
2	Sb 206.836†	29.4	-9.0	-0.0087	mg/L	-0.0087	mg/L	19:18:37
2	Se 196.026†	8.7	8.2	0.0064	mg/L	0.0064	mg/L	19:18:37
2	Sn 189.927†	-9.1	-11.5	-0.0053	mg/L	-0.0053	mg/L	19:18:37
2	Ti 337.279†	-167.8	300.1	-0.0016	mg/L	-0.0016	mg/L	19:18:26
2	Tl 190.801†	3.7	1.5	-0.0034	mg/L	-0.0034	mg/L	19:18:37
2	V 292.402†	-622.9	92.7	-0.0016	mg/L	-0.0016	mg/L	19:18:26
2	Zn 213.857†	1081.8	224.1	0.0013	mg/L	0.0013	mg/L	19:18:37

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2632686.1	1.06 mg/L	0.011			1.02%
Ag 328.068†	-107.5	-0.0024 mg/L	0.00028	-0.0024 mg/L	0.00028	11.30%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-6.8	-0.0087 mg/L	0.00154	-0.0087 mg/L	0.00154	17.79%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-6.3	-0.0062 mg/L	0.00444	-0.0062 mg/L	0.00444	71.79%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-1.1	0.0032 mg/L	0.00177	0.0032 mg/L	0.00177	55.66%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	8.9	0.0078 mg/L	0.00257	0.0078 mg/L	0.00257	32.85%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	9.6	-0.0018 mg/L	0.00006	-0.0018 mg/L	0.00006	3.47%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	140.3	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	2.52%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	129.3	-0.0150 mg/L	0.00103	-0.0150 mg/L	0.00103	6.88%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	5.6	0.0002 mg/L	0.00006	0.0002 mg/L	0.00006	29.52%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	8.2	-0.0025 mg/L	0.00016	-0.0025 mg/L	0.00016	6.23%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-58.6	-0.0039 mg/L	0.00001	-0.0039 mg/L	0.00001	0.31%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	196.0	-0.0022 mg/L	0.00008	-0.0022 mg/L	0.00008	3.50%

QC value within limits for Cu 324.752	Recovery = Not calculated					
Fe 234.349†	-6.1	0.0132 mg/L	0.00308	0.0132 mg/L	0.00308	23.23%
QC value within limits for Fe 234.349	Recovery = Not calculated					
Fe 238.204†	88.0	-0.0110 mg/L	0.00001	-0.0110 mg/L	0.00001	0.12%
QC value within limits for Fe 238.204	Recovery = Not calculated					
K 766.490†	284.4	0.3502 mg/L	0.00186	0.3502 mg/L	0.00186	0.53%
QC value greater than the upper limit for K 766.490	Recovery = Not calculated					
Li 670.784†	32.0	0.0016 mg/L	0.00037	0.0016 mg/L	0.00037	23.89%
QC value within limits for Li 670.784	Recovery = Not calculated					
Mg 279.077†	5.0	-0.0374 mg/L	0.00081	-0.0374 mg/L	0.00081	2.16%
QC value less than the lower limit for Mg 279.077	Recovery = Not calculated					
Mn 257.610†	-655.6	-0.0040 mg/L	0.00005	-0.0040 mg/L	0.00005	1.35%
QC value less than the lower limit for Mn 257.610	Recovery = Not calculated					
Mo 202.031†	3.9	0.0000 mg/L	0.00088	0.0000 mg/L	0.00088	>999.9%
QC value within limits for Mo 202.031	Recovery = Not calculated					
Na 589.592†	8147.0	1.434 mg/L	0.0038	1.434 mg/L	0.0038	0.27%
QC value greater than the upper limit for Na 589.592	Recovery = Not calculated					
Ni 231.604†	9.6	-0.0034 mg/L	0.00014	-0.0034 mg/L	0.00014	4.12%
QC value less than the lower limit for Ni 231.604	Recovery = Not calculated					
P 214.914†	-15.4	0.0187 mg/L	0.00608	0.0187 mg/L	0.00608	32.56%
QC value within limits for P 214.914	Recovery = Not calculated					
Pb 220.353†	-4.2	-0.0043 mg/L	0.00082	-0.0043 mg/L	0.00082	19.20%
QC value within limits for Pb 220.353	Recovery = Not calculated					
Sb 206.836†	-4.2	-0.0047 mg/L	0.00564	-0.0047 mg/L	0.00564	119.37%
QC value within limits for Sb 206.836	Recovery = Not calculated					
Se 196.026†	7.3	0.0056 mg/L	0.00113	0.0056 mg/L	0.00113	20.07%
QC value within limits for Se 196.026	Recovery = Not calculated					
Sn 189.927†	-4.5	-0.0037 mg/L	0.00226	-0.0037 mg/L	0.00226	61.62%
QC value within limits for Sn 189.927	Recovery = Not calculated					
Sr 407.771†	7.0	0.0005 mg/L	0.00002	0.0005 mg/L	0.00002	4.48%
QC value within limits for Sr 407.771	Recovery = Not calculated					
Ti 337.279†	300.0	-0.0016 mg/L	0.00000	-0.0016 mg/L	0.00000	0.02%
QC value less than the lower limit for Ti 337.279	Recovery = Not calculated					
Tl 190.801†	3.0	-0.0024 mg/L	0.00150	-0.0024 mg/L	0.00150	63.39%
QC value within limits for Tl 190.801	Recovery = Not calculated					
V 292.402†	99.6	-0.0015 mg/L	0.00007	-0.0015 mg/L	0.00007	4.33%
QC value less than the lower limit for V 292.402	Recovery = Not calculated					
Zn 213.857†	209.4	0.0012 mg/L	0.00022	0.0012 mg/L	0.00022	19.12%
QC value within limits for Zn 213.857	Recovery = Not calculated					
QC Failed. Continue with analysis.						

Sequence No.: 51
Sample ID: 1210124-02TCLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 10/6/2012 7:20:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210124-02TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	169.3	176.5	0.1054 mg/L	0.1054 mg/L	19:22:12
1	Fe 234.349†	502.1	541.5	0.0124 mg/L	0.0124 mg/L	19:22:12
1	K 766.490†	13604.0	14348.1	7.915 mg/L	7.915 mg/L	19:22:02
1	Li 670.784†	47.9	226.6	0.0076 mg/L	0.0076 mg/L	19:22:02
1	Na 589.592†	7836404.6	8362044.4	1368 mg/L	1368 mg/L	19:21:57
1	Sr 407.771†	1448146.5	1545180.2	1.621 mg/L	1.621 mg/L	19:22:00
1	Y 371.029	2321259.1	2321259.1	0.937 mg/L		19:22:38
1	Ag 328.068†	692.5	-645.3	-0.0070 mg/L	-0.0070 mg/L	19:22:41
1	Al 237.313†	405.0	559.7	0.0645 mg/L	0.0645 mg/L	19:22:51
1	As 188.979†	-24.1	-28.8	-0.0341 mg/L	-0.0341 mg/L	19:22:51
1	B 182.528†	10.9	9.0	0.0229 mg/L	0.0229 mg/L	19:22:51
1	Ba 233.527†	36937.3	39470.0	0.5443 mg/L	0.5443 mg/L	19:22:41
1	Be 313.107†	-1382.7	-959.6	-0.0007 mg/L	-0.0007 mg/L	19:22:41
1	Ca 315.887†	52314150.6	55824062.1	525.9 mg/L	525.9 mg/L	19:22:36
1	Cd 228.802†	280.1	236.1	0.0085 mg/L	0.0085 mg/L	19:22:51
1	Co 228.616†	7.9	73.3	-0.0009 mg/L	-0.0009 mg/L	19:22:51
1	Cr 267.716†	574.9	205.2	-0.0009 mg/L	-0.0009 mg/L	19:22:51
1	Cu 324.752†	9008.0	8379.2	0.0439 mg/L	0.0439 mg/L	19:22:41
1	Fe 238.204†	3838.7	3939.5	0.0216 mg/L	0.0216 mg/L	19:22:51
1	Mg 279.077†	55666.9	59267.0	5.191 mg/L	5.191 mg/L	19:22:41
1	Mn 257.610†	232476.5	246906.5	0.4337 mg/L	0.4337 mg/L	19:22:41

1	Mo 202.031†	281.6	273.4	0.0142	mg/L	0.0142	mg/L	19:22:51
1	Ni 231.604†	366.2	409.6	0.0108	mg/L	0.0108	mg/L	19:22:51
1	P 214.914†	748.7	456.2	0.2994	mg/L	0.2994	mg/L	19:22:51
1	Pb 220.353†	3552.2	3732.4	0.3167	mg/L	0.3167	mg/L	19:22:51
1	Sb 206.836†	49.6	16.1	0.0122	mg/L	0.0122	mg/L	19:22:51
1	Se 196.026†	-26.3	-28.1	-0.0286	mg/L	-0.0286	mg/L	19:22:51
1	Sn 189.927†	-619.5	-663.9	-0.1514	mg/L	-0.1514	mg/L	19:22:51
1	Ti 337.279†	-27.7	429.5	-0.0014	mg/L	-0.0014	mg/L	19:22:41
1	Tl 190.801†	40.8	41.5	0.0243	mg/L	0.0243	mg/L	19:22:51
1	V 292.402†	-538.0	109.0	-0.0015	mg/L	-0.0015	mg/L	19:22:51
1	Zn 213.857†	114852.5	121757.5	1.308	mg/L	1.308	mg/L	19:22:41
2	B 249.677†	167.1	177.4	0.1059	mg/L	0.1059	mg/L	19:22:29
2	Fe 234.349†	496.0	544.6	0.0026	mg/L	0.0026	mg/L	19:22:29
2	K 766.490†	13929.5	14965.0	8.246	mg/L	8.246	mg/L	19:22:19
2	Li 670.784†	131.5	318.3	0.0104	mg/L	0.0104	mg/L	19:22:19
2	Na 589.592†	7792741.7	8466271.3	1385	mg/L	1385	mg/L	19:22:15
2	Sr 407.771†	1450344.4	1575595.3	1.653	mg/L	1.653	mg/L	19:22:17
2	Y 371.029	2279908.6	2279908.6	0.920	mg/L	0.920	mg/L	19:22:59
2	Ag 328.068†	634.4	-695.0	-0.0074	mg/L	-0.0074	mg/L	19:23:01
2	Al 237.313†	382.8	543.4	0.0624	mg/L	0.0624	mg/L	19:23:11
2	As 188.979†	-29.5	-35.0	-0.0419	mg/L	-0.0419	mg/L	19:23:11
2	B 182.528†	17.2	16.0	0.0366	mg/L	0.0366	mg/L	19:23:11
2	Ba 233.527†	36962.0	40211.8	0.5546	mg/L	0.5546	mg/L	19:23:01
2	Be 313.107†	-1346.9	-947.5	-0.0007	mg/L	-0.0007	mg/L	19:23:01
2	Ca 315.887†	52743688.4	57303212.0	539.8	mg/L	539.8	mg/L	19:22:56
2	Cd 228.802†	290.7	253.0	0.0091	mg/L	0.0091	mg/L	19:23:11
2	Co 228.616†	21.7	88.5	-0.0005	mg/L	-0.0005	mg/L	19:23:11
2	Cr 267.716†	564.2	204.7	-0.0009	mg/L	-0.0009	mg/L	19:23:11
2	Cu 324.752†	8950.7	8491.2	0.0445	mg/L	0.0445	mg/L	19:23:01
2	Fe 238.204†	3753.2	3920.9	0.0214	mg/L	0.0214	mg/L	19:23:11
2	Mg 279.077†	55670.2	60348.0	5.286	mg/L	5.286	mg/L	19:23:01
2	Mn 257.610†	232907.4	251874.0	0.4425	mg/L	0.4425	mg/L	19:23:01
2	Mo 202.031†	275.8	272.5	0.0141	mg/L	0.0141	mg/L	19:23:11
2	Ni 231.604†	362.4	412.5	0.0109	mg/L	0.0109	mg/L	19:23:11
2	P 214.914†	759.6	482.5	0.3150	mg/L	0.3150	mg/L	19:23:11
2	Pb 220.353†	3509.9	3755.2	0.3186	mg/L	0.3186	mg/L	19:23:11
2	Sb 206.836†	55.9	23.9	0.0187	mg/L	0.0187	mg/L	19:23:11
2	Se 196.026†	-21.0	-22.9	-0.0235	mg/L	-0.0235	mg/L	19:23:11
2	Sn 189.927†	-620.2	-676.7	-0.1543	mg/L	-0.1543	mg/L	19:23:11
2	Ti 337.279†	0.5	459.7	-0.0014	mg/L	-0.0014	mg/L	19:23:01
2	Tl 190.801†	40.8	42.3	0.0249	mg/L	0.0249	mg/L	19:23:11
2	V 292.402†	-547.2	88.6	-0.0016	mg/L	-0.0016	mg/L	19:23:11
2	Zn 213.857†	114903.6	124035.9	1.332	mg/L	1.332	mg/L	19:23:01

Mean Data: 1210124-02TCLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2300583.8	0.929	mg/L	0.0118				1.27%
Ag 328.068†	-670.1	-0.0072	mg/L	0.00030	-0.0072	mg/L	0.00030	4.16%
Al 237.313†	551.5	0.0634	mg/L	0.00149	0.0634	mg/L	0.00149	2.35%
As 188.979†	-31.9	-0.0380	mg/L	0.00554	-0.0380	mg/L	0.00554	14.58%
B 182.528†	12.5	0.0297	mg/L	0.00963	0.0297	mg/L	0.00963	32.36%
B 249.677†	176.9	0.1056	mg/L	0.00038	0.1056	mg/L	0.00038	0.36%
Ba 233.527†	39840.9	0.5494	mg/L	0.00726	0.5494	mg/L	0.00726	1.32%
Be 313.107†	-953.6	-0.0007	mg/L	0.00001	-0.0007	mg/L	0.00001	0.69%
Ca 315.887†	56563637.1	532.8	mg/L	9.85	532.8	mg/L	9.85	1.85%
Cd 228.802†	244.6	0.0088	mg/L	0.00045	0.0088	mg/L	0.00045	5.08%
Co 228.616†	80.9	-0.0007	mg/L	0.00027	-0.0007	mg/L	0.00027	38.99%
Cr 267.716†	204.9	-0.0009	mg/L	0.00000	-0.0009	mg/L	0.00000	0.42%
Cu 324.752†	8435.2	0.0442	mg/L	0.00045	0.0442	mg/L	0.00045	1.01%
Fe 234.349†	543.1	0.0075	mg/L	0.00692	0.0075	mg/L	0.00692	92.57%
Fe 238.204†	3930.2	0.0215	mg/L	0.00011	0.0215	mg/L	0.00011	0.52%
K 766.490†	14656.6	8.080	mg/L	0.2346	8.080	mg/L	0.2346	2.90%
Li 670.784†	272.4	0.0090	mg/L	0.00200	0.0090	mg/L	0.00200	22.26%
Mg 279.077†	59807.5	5.238	mg/L	0.0674	5.238	mg/L	0.0674	1.29%
Mn 257.610†	249390.2	0.4381	mg/L	0.00621	0.4381	mg/L	0.00621	1.42%
Mo 202.031†	272.9	0.0141	mg/L	0.00004	0.0141	mg/L	0.00004	0.25%
Na 589.592†	8414157.8	1376	mg/L	12.1	1376	mg/L	12.1	0.88%
Ni 231.604†	411.0	0.0108	mg/L	0.00007	0.0108	mg/L	0.00007	0.67%
P 214.914†	469.4	0.3072	mg/L	0.01107	0.3072	mg/L	0.01107	3.60%
Pb 220.353†	3743.8	0.3176	mg/L	0.00137	0.3176	mg/L	0.00137	0.43%
Sb 206.836†	20.0	0.0155	mg/L	0.00463	0.0155	mg/L	0.00463	29.93%

Se 196.026†	-25.5	-0.0260 mg/L	0.00361	-0.0260 mg/L	0.00361	13.87%
Sn 189.927†	-670.3	-0.1528 mg/L	0.00204	-0.1528 mg/L	0.00204	1.33%
Sr 407.771†	1560387.8	1.637 mg/L	0.0226	1.637 mg/L	0.0226	1.38%
Ti 337.279†	444.6	-0.0014 mg/L	0.00003	-0.0014 mg/L	0.00003	2.12%
Tl 190.801†	41.9	0.0246 mg/L	0.00040	0.0246 mg/L	0.00040	1.63%
V 292.402†	98.8	-0.0015 mg/L	0.00009	-0.0015 mg/L	0.00009	6.00%
Zn 213.857†	122896.7	1.320 mg/L	0.0173	1.320 mg/L	0.0173	1.31%

Sequence No.: 52
Sample ID: 1210124-03TCLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 10/6/2012 7:26:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210124-03TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	89.4	92.2	0.0563	mg/L	0.0563	mg/L	19:28:18
1	Fe 234.349†	348.5	381.4	0.2381	mg/L	0.2381	mg/L	19:28:18
1	K 766.490†	10715.5	11379.2	6.318	mg/L	6.318	mg/L	19:28:08
1	Li 670.784†	72.1	253.2	0.0084	mg/L	0.0084	mg/L	19:28:08
1	Na 589.592†	7836619.3	8445286.5	1382	mg/L	1382	mg/L	19:28:03
1	Sr 407.771†	389653.9	419794.7	0.4408	mg/L	0.4408	mg/L	19:28:05
1	Y 371.029	2298442.7	2298442.7	0.928	mg/L			19:28:42
1	Ag 328.068†	1150.1	-144.8	-0.0027	mg/L	-0.0027	mg/L	19:28:44
1	Al 237.313†	3652.7	4064.0	0.5169	mg/L	0.5169	mg/L	19:28:44
1	As 188.979†	-24.2	-29.1	-0.0345	mg/L	-0.0345	mg/L	19:28:54
1	B 182.528†	-2.1	-4.9	-0.0043	mg/L	-0.0043	mg/L	19:28:54
1	Ba 233.527†	100638.3	108511.2	1.500	mg/L	1.500	mg/L	19:28:44
1	Be 313.107†	-352.8	135.6	-0.0001	mg/L	-0.0001	mg/L	19:28:44
1	Ca 315.887†	11678293.7	12585415.0	118.5	mg/L	118.5	mg/L	19:28:39
1	Cd 228.802†	1181.1	1210.1	0.0430	mg/L	0.0430	mg/L	19:28:54
1	Co 228.616†	402.1	498.2	0.0098	mg/L	0.0098	mg/L	19:28:54
1	Cr 267.716†	705.3	351.7	0.0007	mg/L	0.0007	mg/L	19:28:44
1	Cu 324.752†	269177.2	288856.0	1.623	mg/L	1.623	mg/L	19:28:42
1	Fe 238.204†	15931.3	17012.2	0.1321	mg/L	0.1321	mg/L	19:28:44
1	Mg 279.077†	31125.0	33408.2	2.913	mg/L	2.913	mg/L	19:28:44
1	Mn 257.610†	772372.8	831209.4	1.467	mg/L	1.467	mg/L	19:28:42
1	Mo 202.031†	172.7	159.0	0.0070	mg/L	0.0070	mg/L	19:28:54
1	Ni 231.604†	2331.1	2531.0	0.0859	mg/L	0.0859	mg/L	19:28:54
1	P 214.914†	1331.9	1092.7	0.6481	mg/L	0.6481	mg/L	19:28:54
1	Pb 220.353†	26740.3	28759.6	2.472	mg/L	2.472	mg/L	19:28:44
1	Sb 206.836†	60.5	28.4	0.0226	mg/L	0.0226	mg/L	19:28:54
1	Se 196.026†	-13.8	-15.0	-0.0159	mg/L	-0.0159	mg/L	19:28:54
1	Sn 189.927†	-461.6	-500.4	-0.1148	mg/L	-0.1148	mg/L	19:28:54
1	Ti 337.279†	2387.5	3032.1	0.0022	mg/L	0.0022	mg/L	19:28:44
1	Tl 190.801†	23.6	23.4	0.0117	mg/L	0.0117	mg/L	19:28:54
1	V 292.402†	-553.3	86.8	-0.0016	mg/L	-0.0016	mg/L	19:28:44
1	Zn 213.857†	380423.6	409177.1	4.395	mg/L	4.395	mg/L	19:28:42
2	B 249.677†	91.9	92.1	0.0562	mg/L	0.0562	mg/L	19:28:35
2	Fe 234.349†	334.7	356.3	0.2180	mg/L	0.2180	mg/L	19:28:35
2	K 766.490†	10831.1	11175.3	6.208	mg/L	6.208	mg/L	19:28:25
2	Li 670.784†	-21.7	152.7	0.0053	mg/L	0.0053	mg/L	19:28:25
2	Na 589.592†	7925338.0	8300496.8	1358	mg/L	1358	mg/L	19:28:21
2	Sr 407.771†	394000.8	412528.0	0.4332	mg/L	0.4332	mg/L	19:28:23
2	Y 371.029	2365009.5	2365009.5	0.955	mg/L			19:29:00
2	Ag 328.068†	1101.2	-230.9	-0.0035	mg/L	-0.0035	mg/L	19:29:02
2	Al 237.313†	3657.1	3957.8	0.5032	mg/L	0.5032	mg/L	19:29:02
2	As 188.979†	-27.4	-31.7	-0.0377	mg/L	-0.0377	mg/L	19:29:12
2	B 182.528†	-1.2	-3.9	-0.0023	mg/L	-0.0023	mg/L	19:29:12
2	Ba 233.527†	100859.4	105690.1	1.461	mg/L	1.461	mg/L	19:29:02
2	Be 313.107†	-333.2	166.8	-0.0001	mg/L	-0.0001	mg/L	19:29:02
2	Ca 315.887†	11873503.2	12435628.7	117.1	mg/L	117.1	mg/L	19:28:57
2	Cd 228.802†	1180.1	1173.2	0.0417	mg/L	0.0417	mg/L	19:29:12
2	Co 228.616†	370.8	453.3	0.0086	mg/L	0.0086	mg/L	19:29:12
2	Cr 267.716†	662.3	285.4	-0.0001	mg/L	-0.0001	mg/L	19:29:02
2	Cu 324.752†	276854.5	288731.9	1.623	mg/L	1.623	mg/L	19:29:00
2	Fe 238.204†	16049.0	16652.3	0.1290	mg/L	0.1290	mg/L	19:29:02
2	Mg 279.077†	31247.4	32592.3	2.841	mg/L	2.841	mg/L	19:29:02
2	Mn 257.610†	794140.6	830579.4	1.466	mg/L	1.466	mg/L	19:29:00
2	Mo 202.031†	174.1	155.2	0.0068	mg/L	0.0068	mg/L	19:29:12

2	Ni 231.604†	2336.3	2465.7	0.0836 mg/L	0.0836 mg/L	19:29:12
2	P 214.914†	1336.2	1056.8	0.6267 mg/L	0.6267 mg/L	19:29:12
2	Pb 220.353†	26907.9	28124.0	2.417 mg/L	2.417 mg/L	19:29:02
2	Sb 206.836†	67.8	34.2	0.0275 mg/L	0.0275 mg/L	19:29:12
2	Se 196.026†	-13.2	-13.9	-0.0149 mg/L	-0.0149 mg/L	19:29:12
2	Sn 189.927†	-441.4	-465.1	-0.1069 mg/L	-0.1069 mg/L	19:29:12
2	Ti 337.279†	3253.4	3866.7	0.0034 mg/L	0.0034 mg/L	19:29:02
2	Tl 190.801†	26.8	26.0	0.0135 mg/L	0.0135 mg/L	19:29:12
2	V 292.402†	-576.1	79.7	-0.0016 mg/L	-0.0016 mg/L	19:29:02
2	Zn 213.857†	391501.2	409239.9	4.395 mg/L	4.395 mg/L	19:29:00

Mean Data: 1210124-03TCLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2331726.1	0.941 mg/L		0.0190			2.02%
Ag 328.068†	-187.8	-0.0031 mg/L		0.00052	-0.0031 mg/L	0.00052	16.77%
Al 237.313†	4010.9	0.5101 mg/L		0.00970	0.5101 mg/L	0.00970	1.90%
As 188.979†	-30.4	-0.0361 mg/L		0.00229	-0.0361 mg/L	0.00229	6.35%
B 182.528†	-4.4	-0.0033 mg/L		0.00139	-0.0033 mg/L	0.00139	42.01%
B 249.677†	92.1	0.0562 mg/L		0.00005	0.0562 mg/L	0.00005	0.10%
Ba 233.527†	107100.7	1.480 mg/L		0.0276	1.480 mg/L	0.0276	1.86%
Be 313.107†	151.2	-0.0001 mg/L		0.00001	-0.0001 mg/L	0.00001	18.18%
Ca 315.887†	12510521.8	117.8 mg/L		1.00	117.8 mg/L	1.00	0.85%
Cd 228.802†	1191.6	0.0423 mg/L		0.00091	0.0423 mg/L	0.00091	2.16%
Co 228.616†	475.8	0.0092 mg/L		0.00080	0.0092 mg/L	0.00080	8.69%
Cr 267.716†	318.5	0.0003 mg/L		0.00052	0.0003 mg/L	0.00052	165.62%
Cu 324.752†	288794.0	1.623 mg/L		0.0005	1.623 mg/L	0.0005	0.03%
Fe 234.349†	368.8	0.2281 mg/L		0.01428	0.2281 mg/L	0.01428	6.26%
Fe 238.204†	16832.3	0.1306 mg/L		0.00215	0.1306 mg/L	0.00215	1.65%
K 766.490†	11277.3	6.263 mg/L		0.0776	6.263 mg/L	0.0776	1.24%
Li 670.784†	202.9	0.0069 mg/L		0.00219	0.0069 mg/L	0.00219	32.03%
Mg 279.077†	33000.2	2.877 mg/L		0.0509	2.877 mg/L	0.0509	1.77%
Mn 257.610†	830894.4	1.466 mg/L		0.0008	1.466 mg/L	0.0008	0.05%
Mo 202.031†	157.1	0.0069 mg/L		0.00014	0.0069 mg/L	0.00014	1.96%
Na 589.592†	8372891.7	1370 mg/L		16.7	1370 mg/L	16.7	1.22%
Ni 231.604†	2498.3	0.0848 mg/L		0.00164	0.0848 mg/L	0.00164	1.93%
P 214.914†	1074.8	0.6374 mg/L		0.01513	0.6374 mg/L	0.01513	2.37%
Pb 220.353†	28441.8	2.444 mg/L		0.0388	2.444 mg/L	0.0388	1.59%
Sb 206.836†	31.3	0.0251 mg/L		0.00344	0.0251 mg/L	0.00344	13.71%
Se 196.026†	-14.4	-0.0154 mg/L		0.00072	-0.0154 mg/L	0.00072	4.70%
Sn 189.927†	-482.7	-0.1109 mg/L		0.00559	-0.1109 mg/L	0.00559	5.04%
Sr 407.771†	416161.3	0.4370 mg/L		0.00539	0.4370 mg/L	0.00539	1.23%
Ti 337.279†	3449.4	0.0028 mg/L		0.00084	0.0028 mg/L	0.00084	29.56%
Tl 190.801†	24.7	0.0126 mg/L		0.00132	0.0126 mg/L	0.00132	10.50%
V 292.402†	83.2	-0.0016 mg/L		0.00003	-0.0016 mg/L	0.00003	2.06%
Zn 213.857†	409208.5	4.395 mg/L		0.0005	4.395 mg/L	0.0005	0.01%

Sequence No.: 53

Sample ID: 1210124-04TCLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 51

Date Collected: 10/6/2012 7:30:52 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210124-04TCLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	113.9	116.9	0.0707 mg/L	0.0707 mg/L	19:32:49
1	Fe 234.349†	307.6	332.8	0.1077 mg/L	0.1077 mg/L	19:32:49
1	K 766.490†	9378.4	9800.8	5.469 mg/L	5.469 mg/L	19:32:39
1	Li 670.784†	93.5	274.9	0.0091 mg/L	0.0091 mg/L	19:32:39
1	Na 589.592†	7460252.6	7930390.2	1297 mg/L	1297 mg/L	19:32:34
1	Sr 407.771†	603057.2	640942.5	0.6728 mg/L	0.6728 mg/L	19:32:36
1	Y 371.029	2330117.3	2330117.3	0.941 mg/L		19:33:14
1	Ag 328.068†	1062.4	-254.8	-0.0037 mg/L	-0.0037 mg/L	19:33:16
1	Al 237.313†	1407.0	1623.2	0.2018 mg/L	0.2018 mg/L	19:33:26
1	As 188.979†	-30.0	-34.9	-0.0418 mg/L	-0.0418 mg/L	19:33:26
1	B 182.528†	0.9	-1.7	0.0020 mg/L	0.0020 mg/L	19:33:26
1	Ba 233.527†	53607.8	57041.6	0.7875 mg/L	0.7875 mg/L	19:33:16
1	Be 313.107†	-537.1	-55.1	-0.0002 mg/L	-0.0002 mg/L	19:33:16
1	Ca 315.887†	21834810.5	23211107.4	218.6 mg/L	218.6 mg/L	19:33:11

1	Cd	228.802†	335.7	294.1	0.0106	mg/L	0.0106	mg/L	19:33:26
1	Co	228.616†	276.7	359.0	0.0063	mg/L	0.0063	mg/L	19:33:26
1	Cr	267.716†	620.2	250.9	-0.0004	mg/L	-0.0004	mg/L	19:33:16
1	Cu	324.752†	469293.2	497643.8	2.799	mg/L	2.799	mg/L	19:33:14
1	Fe	238.204†	5922.1	6138.7	0.0402	mg/L	0.0402	mg/L	19:33:16
1	Mg	279.077†	30445.4	32229.7	2.807	mg/L	2.807	mg/L	19:33:16
1	Mn	257.610†	389499.0	412884.4	0.7271	mg/L	0.7271	mg/L	19:33:14
1	Mo	202.031†	215.9	202.4	0.0085	mg/L	0.0085	mg/L	19:33:26
1	Ni	231.604†	1037.4	1121.5	0.0360	mg/L	0.0360	mg/L	19:33:26
1	P	214.914†	1585.2	1342.4	0.7744	mg/L	0.7744	mg/L	19:33:26
1	Pb	220.353†	25141.4	26668.2	2.293	mg/L	2.293	mg/L	19:33:16
1	Sb	206.836†	49.4	15.7	0.0119	mg/L	0.0119	mg/L	19:33:26
1	Se	196.026†	-21.5	-23.0	-0.0237	mg/L	-0.0237	mg/L	19:33:26
1	Sn	189.927†	-515.8	-551.1	-0.1264	mg/L	-0.1264	mg/L	19:33:26
1	Ti	337.279†	328.4	808.3	-0.0009	mg/L	-0.0009	mg/L	19:33:16
1	Tl	190.801†	36.5	36.8	0.0211	mg/L	0.0211	mg/L	19:33:26
1	V	292.402†	-557.0	90.9	-0.0016	mg/L	-0.0016	mg/L	19:33:16
1	Zn	213.857†	227104.6	240619.9	2.581	mg/L	2.581	mg/L	19:33:14
2	B	249.677†	115.7	114.4	0.0692	mg/L	0.0692	mg/L	19:33:06
2	Fe	234.349†	316.9	330.7	0.1060	mg/L	0.1060	mg/L	19:33:06
2	K	766.490†	9483.9	9554.4	5.336	mg/L	5.336	mg/L	19:32:56
2	Li	670.784†	86.8	264.5	0.0088	mg/L	0.0088	mg/L	19:32:56
2	Na	589.592†	7473382.3	7661708.1	1253	mg/L	1253	mg/L	19:32:52
2	Sr	407.771†	604355.4	619466.1	0.6503	mg/L	0.6503	mg/L	19:32:54
2	Y	371.029	2416073.3	2416073.3	0.975	mg/L			19:33:33
2	Ag	328.068†	1066.0	-291.3	-0.0040	mg/L	-0.0040	mg/L	19:33:35
2	Al	237.313†	1495.3	1660.5	0.2066	mg/L	0.2066	mg/L	19:33:45
2	As	188.979†	-32.4	-36.2	-0.0434	mg/L	-0.0434	mg/L	19:33:45
2	B	182.528†	5.1	2.6	0.0104	mg/L	0.0104	mg/L	19:33:45
2	Ba	233.527†	52488.6	53866.7	0.7435	mg/L	0.7435	mg/L	19:33:35
2	Be	313.107†	-500.9	2.3	-0.0002	mg/L	-0.0002	mg/L	19:33:35
2	Ca	315.887†	22638793.4	23209585.1	218.6	mg/L	218.6	mg/L	19:33:30
2	Cd	228.802†	346.5	292.4	0.0105	mg/L	0.0105	mg/L	19:33:45
2	Co	228.616†	282.8	354.8	0.0062	mg/L	0.0062	mg/L	19:33:45
2	Cr	267.716†	661.1	269.4	-0.0002	mg/L	-0.0002	mg/L	19:33:35
2	Cu	324.752†	476499.6	487283.5	2.741	mg/L	2.741	mg/L	19:33:33
2	Fe	238.204†	5742.0	5730.1	0.0367	mg/L	0.0367	mg/L	19:33:35
2	Mg	279.077†	29877.7	30496.3	2.654	mg/L	2.654	mg/L	19:33:35
2	Mn	257.610†	394406.9	403185.5	0.7100	mg/L	0.7100	mg/L	19:33:33
2	Mo	202.031†	214.7	193.0	0.0081	mg/L	0.0081	mg/L	19:33:45
2	Ni	231.604†	1037.7	1082.6	0.0346	mg/L	0.0346	mg/L	19:33:45
2	P	214.914†	1569.3	1266.2	0.7302	mg/L	0.7302	mg/L	19:33:45
2	Pb	220.353†	24658.7	25222.5	2.168	mg/L	2.168	mg/L	19:33:35
2	Sb	206.836†	54.4	19.0	0.0147	mg/L	0.0147	mg/L	19:33:45
2	Se	196.026†	-17.9	-18.4	-0.0193	mg/L	-0.0193	mg/L	19:33:45
2	Sn	189.927†	-512.6	-528.4	-0.1213	mg/L	-0.1213	mg/L	19:33:45
2	Ti	337.279†	161.1	624.3	-0.0012	mg/L	-0.0012	mg/L	19:33:35
2	Tl	190.801†	27.4	26.1	0.0136	mg/L	0.0136	mg/L	19:33:45
2	V	292.402†	-556.9	112.2	-0.0014	mg/L	-0.0014	mg/L	19:33:35
2	Zn	213.857†	230351.0	235359.2	2.524	mg/L	2.524	mg/L	19:33:33

Mean Data: 1210124-04TCLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2373095.3	0.958	mg/L	0.0245				2.56%
Ag 328.068†	-273.1	-0.0038	mg/L	0.00022	-0.0038	mg/L	0.00022	5.75%
Al 237.313†	1641.8	0.2042	mg/L	0.00340	0.2042	mg/L	0.00340	1.67%
As 188.979†	-35.5	-0.0426	mg/L	0.00117	-0.0426	mg/L	0.00117	2.75%
B 182.528†	0.4	0.0062	mg/L	0.00594	0.0062	mg/L	0.00594	95.84%
B 249.677†	115.7	0.0700	mg/L	0.00103	0.0700	mg/L	0.00103	1.47%
Ba 233.527†	55454.2	0.7655	mg/L	0.03107	0.7655	mg/L	0.03107	4.06%
Be 313.107†	-26.4	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	13.59%
Ca 315.887†	23210346.2	218.6	mg/L	0.01	218.6	mg/L	0.01	0.00%
Cd 228.802†	293.2	0.0105	mg/L	0.00004	0.0105	mg/L	0.00004	0.34%
Co 228.616†	356.9	0.0062	mg/L	0.00007	0.0062	mg/L	0.00007	1.18%
Cr 267.716†	260.2	-0.0003	mg/L	0.00014	-0.0003	mg/L	0.00014	43.84%
Cu 324.752†	492463.7	2.770	mg/L	0.0413	2.770	mg/L	0.0413	1.49%
Fe 234.349†	331.7	0.1068	mg/L	0.00125	0.1068	mg/L	0.00125	1.17%
Fe 238.204†	5934.4	0.0384	mg/L	0.00244	0.0384	mg/L	0.00244	6.35%
K 766.490†	9677.6	5.402	mg/L	0.0937	5.402	mg/L	0.0937	1.73%
Li 670.784†	269.7	0.0089	mg/L	0.00023	0.0089	mg/L	0.00023	2.56%
Mg 279.077†	31363.0	2.731	mg/L	0.1081	2.731	mg/L	0.1081	3.96%

Mn 257.610†	408035.0	0.7186 mg/L	0.01213	0.7186 mg/L	0.01213	1.69%
Mo 202.031†	197.7	0.0083 mg/L	0.00032	0.0083 mg/L	0.00032	3.91%
Na 589.592†	7796049.2	1275 mg/L	31.1	1275 mg/L	31.1	2.44%
Ni 231.604†	1102.1	0.0353 mg/L	0.00098	0.0353 mg/L	0.00098	2.76%
P 214.914†	1304.3	0.7523 mg/L	0.03128	0.7523 mg/L	0.03128	4.16%
Pb 220.353†	25945.3	2.230 mg/L	0.0881	2.230 mg/L	0.0881	3.95%
Sb 206.836†	17.3	0.0133 mg/L	0.00195	0.0133 mg/L	0.00195	14.68%
Se 196.026†	-20.7	-0.0215 mg/L	0.00311	-0.0215 mg/L	0.00311	14.50%
Sn 189.927†	-539.8	-0.1239 mg/L	0.00363	-0.1239 mg/L	0.00363	2.93%
Sr 407.771†	630204.3	0.6616 mg/L	0.01593	0.6616 mg/L	0.01593	2.41%
Ti 337.279†	716.3	-0.0010 mg/L	0.00018	-0.0010 mg/L	0.00018	17.66%
Tl 190.801†	31.5	0.0173 mg/L	0.00527	0.0173 mg/L	0.00527	30.40%
V 292.402†	101.6	-0.0015 mg/L	0.00009	-0.0015 mg/L	0.00009	6.23%
Zn 213.857†	237989.6	2.552 mg/L	0.0399	2.552 mg/L	0.0399	1.56%

Sequence No.: 54
Sample ID: CJ20602-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 10/6/2012 7:35:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	119.3	116.8	0.0706	mg/L	0.0706	mg/L	19:37:20
1	Fe 234.349†	335.4	345.9	0.1161	mg/L	0.1161	mg/L	19:37:20
1	K 766.490†	9526.4	9490.7	5.302	mg/L	5.302	mg/L	19:37:10
1	Li 670.784†	76.6	253.1	0.0084	mg/L	0.0084	mg/L	19:37:10
1	Na 589.592†	7665434.4	7772255.0	1271	mg/L	1271	mg/L	19:37:06
1	Sr 407.771†	644030.6	652887.1	0.6854	mg/L	0.6854	mg/L	19:37:08
1	Y 371.029	2442915.1	2442915.1	0.986	mg/L			19:37:46
1	Ag 328.068†	929.8	-441.5	-0.0053	mg/L	-0.0053	mg/L	19:37:48
1	Al 237.313†	1519.3	1668.0	0.2076	mg/L	0.2076	mg/L	19:37:58
1	As 188.979†	-35.5	-39.0	-0.0470	mg/L	-0.0470	mg/L	19:37:58
1	B 182.528†	1.6	-1.0	0.0034	mg/L	0.0034	mg/L	19:37:58
1	Ba 233.527†	56249.3	57088.7	0.7881	mg/L	0.7881	mg/L	19:37:48
1	Be 313.107†	-513.1	-4.5	-0.0002	mg/L	-0.0002	mg/L	19:37:48
1	Ca 315.887†	23219701.9	23543581.4	221.8	mg/L	221.8	mg/L	19:37:43
1	Cd 228.802†	359.3	301.5	0.0109	mg/L	0.0109	mg/L	19:37:58
1	Co 228.616†	311.3	380.5	0.0068	mg/L	0.0068	mg/L	19:37:58
1	Cr 267.716†	664.2	265.1	-0.0003	mg/L	-0.0003	mg/L	19:37:48
1	Cu 324.752†	492183.4	497818.5	2.800	mg/L	2.800	mg/L	19:37:46
1	Fe 238.204†	7060.3	7002.1	0.0475	mg/L	0.0475	mg/L	19:37:48
1	Mg 279.077†	31959.2	32270.3	2.811	mg/L	2.811	mg/L	19:37:48
1	Mn 257.610†	407381.7	411898.5	0.7254	mg/L	0.7254	mg/L	19:37:46
1	Mo 202.031†	232.2	208.3	0.0088	mg/L	0.0088	mg/L	19:37:58
1	Ni 231.604†	1119.6	1154.0	0.0371	mg/L	0.0371	mg/L	19:37:58
1	P 214.914†	1731.5	1413.0	0.8164	mg/L	0.8164	mg/L	19:37:48
1	Pb 220.353†	26487.9	26799.4	2.304	mg/L	2.304	mg/L	19:37:48
1	Sb 206.836†	54.0	18.0	0.0138	mg/L	0.0138	mg/L	19:37:58
1	Se 196.026†	-17.7	-18.0	-0.0188	mg/L	-0.0188	mg/L	19:37:58
1	Sn 189.927†	-526.1	-536.3	-0.1230	mg/L	-0.1230	mg/L	19:37:58
1	Ti 337.279†	290.8	754.0	-0.0010	mg/L	-0.0010	mg/L	19:37:48
1	Tl 190.801†	32.1	30.5	0.0167	mg/L	0.0167	mg/L	19:37:58
1	V 292.402†	-571.1	104.0	-0.0015	mg/L	-0.0015	mg/L	19:37:48
1	Zn 213.857†	237960.4	240480.0	2.579	mg/L	2.579	mg/L	19:37:46
2	B 249.677†	129.8	125.2	0.0755	mg/L	0.0755	mg/L	19:37:38
2	Fe 234.349†	355.9	360.5	0.1305	mg/L	0.1305	mg/L	19:37:38
2	K 766.490†	9678.9	9478.6	5.295	mg/L	5.295	mg/L	19:37:27
2	Li 670.784†	45.2	220.5	0.0074	mg/L	0.0074	mg/L	19:37:27
2	Na 589.592†	7842504.1	7816793.9	1279	mg/L	1279	mg/L	19:37:23
2	Sr 407.771†	651372.2	649118.4	0.6814	mg/L	0.6814	mg/L	19:37:25
2	Y 371.029	2485105.2	2485105.2	1.00	mg/L			19:38:04
2	Ag 328.068†	1083.7	-304.1	-0.0041	mg/L	-0.0041	mg/L	19:38:07
2	Al 237.313†	1552.2	1674.7	0.2085	mg/L	0.2085	mg/L	19:38:17
2	As 188.979†	-34.1	-37.0	-0.0444	mg/L	-0.0444	mg/L	19:38:17
2	B 182.528†	0.7	-1.9	0.0016	mg/L	0.0016	mg/L	19:38:17
2	Ba 233.527†	55657.3	55530.3	0.7665	mg/L	0.7665	mg/L	19:38:07
2	Be 313.107†	-522.2	-4.7	-0.0002	mg/L	-0.0002	mg/L	19:38:07
2	Ca 315.887†	23405142.7	23328711.0	219.7	mg/L	219.7	mg/L	19:38:02
2	Cd 228.802†	365.5	301.4	0.0108	mg/L	0.0108	mg/L	19:38:17

2	Co	228.616†	298.8	362.7	0.0064 mg/L	0.0064 mg/L	19:38:17
2	Cr	267.716†	654.6	244.1	-0.0005 mg/L	-0.0005 mg/L	19:38:07
2	Cu	324.752†	502232.4	499362.4	2.809 mg/L	2.809 mg/L	19:38:04
2	Fe	238.204†	6983.8	6804.3	0.0458 mg/L	0.0458 mg/L	19:38:07
2	Mg	279.077†	31534.4	31296.7	2.725 mg/L	2.725 mg/L	19:38:07
2	Mn	257.610†	416922.4	414395.3	0.7298 mg/L	0.7298 mg/L	19:38:04
2	Mo	202.031†	227.7	199.8	0.0084 mg/L	0.0084 mg/L	19:38:17
2	Ni	231.604†	1130.6	1145.7	0.0368 mg/L	0.0368 mg/L	19:38:17
2	P	214.914†	1732.5	1384.1	0.7991 mg/L	0.7991 mg/L	19:38:07
2	Pb	220.353†	26184.2	26040.8	2.238 mg/L	2.238 mg/L	19:38:07
2	Sb	206.836†	50.1	13.2	0.0098 mg/L	0.0098 mg/L	19:38:17
2	Se	196.026†	-28.9	-28.8	-0.0293 mg/L	-0.0293 mg/L	19:38:17
2	Sn	189.927†	-518.8	-520.0	-0.1193 mg/L	-0.1193 mg/L	19:38:17
2	Ti	337.279†	251.0	709.3	-0.0011 mg/L	-0.0011 mg/L	19:38:07
2	Tl	190.801†	36.3	34.2	0.0192 mg/L	0.0192 mg/L	19:38:17
2	V	292.402†	-582.4	102.6	-0.0015 mg/L	-0.0015 mg/L	19:38:07
2	Zn	213.857†	243774.9	242179.2	2.597 mg/L	2.597 mg/L	19:38:04

Mean Data: CJ20602-DUP1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2464010.1	0.995 mg/L	0.0120			1.21%
Ag 328.068†	-372.8	-0.0047 mg/L	0.00083	-0.0047 mg/L	0.00083	17.71%
Al 237.313†	1671.3	0.2080 mg/L	0.00061	0.2080 mg/L	0.00061	0.29%
As 188.979†	-38.0	-0.0457 mg/L	0.00180	-0.0457 mg/L	0.00180	3.93%
B 182.528†	-1.5	0.0025 mg/L	0.00132	0.0025 mg/L	0.00132	52.72%
B 249.677†	121.0	0.0731 mg/L	0.00349	0.0731 mg/L	0.00349	4.78%
Ba 233.527†	56309.5	0.7773 mg/L	0.01525	0.7773 mg/L	0.01525	1.96%
Be 313.107†	-4.6	-0.0002 mg/L	0.00000	-0.0002 mg/L	0.00000	0.06%
Ca 315.887†	23436146.2	220.8 mg/L	1.43	220.8 mg/L	1.43	0.65%
Cd 228.802†	301.5	0.0109 mg/L	0.00001	0.0109 mg/L	0.00001	0.08%
Co 228.616†	371.6	0.0066 mg/L	0.00032	0.0066 mg/L	0.00032	4.78%
Cr 267.716†	254.6	-0.0004 mg/L	0.00016	-0.0004 mg/L	0.00016	42.29%
Cu 324.752†	498590.5	2.804 mg/L	0.0061	2.804 mg/L	0.0061	0.22%
Fe 234.349†	353.2	0.1233 mg/L	0.01013	0.1233 mg/L	0.01013	8.22%
Fe 238.204†	6903.2	0.0466 mg/L	0.00118	0.0466 mg/L	0.00118	2.54%
K 766.490†	9484.6	5.299 mg/L	0.0046	5.299 mg/L	0.0046	0.09%
Li 670.784†	236.8	0.0079 mg/L	0.00071	0.0079 mg/L	0.00071	9.01%
Mg 279.077†	31783.5	2.768 mg/L	0.0607	2.768 mg/L	0.0607	2.19%
Mn 257.610†	413146.9	0.7276 mg/L	0.00312	0.7276 mg/L	0.00312	0.43%
Mo 202.031†	204.1	0.0086 mg/L	0.00033	0.0086 mg/L	0.00033	3.80%
Na 589.592†	7794524.4	1275 mg/L	5.2	1275 mg/L	5.2	0.40%
Ni 231.604†	1149.9	0.0370 mg/L	0.00021	0.0370 mg/L	0.00021	0.56%
P 214.914†	1398.6	0.8078 mg/L	0.01223	0.8078 mg/L	0.01223	1.51%
Pb 220.353†	26420.1	2.271 mg/L	0.0463	2.271 mg/L	0.0463	2.04%
Sb 206.836†	15.6	0.0118 mg/L	0.00287	0.0118 mg/L	0.00287	24.35%
Se 196.026†	-23.4	-0.0241 mg/L	0.00744	-0.0241 mg/L	0.00744	30.90%
Sn 189.927†	-528.2	-0.1212 mg/L	0.00264	-0.1212 mg/L	0.00264	2.17%
Sr 407.771†	651002.7	0.6834 mg/L	0.00280	0.6834 mg/L	0.00280	0.41%
Ti 337.279†	731.7	-0.0010 mg/L	0.00004	-0.0010 mg/L	0.00004	4.38%
Tl 190.801†	32.4	0.0180 mg/L	0.00181	0.0180 mg/L	0.00181	10.05%
V 292.402†	103.3	-0.0015 mg/L	0.00001	-0.0015 mg/L	0.00001	0.77%
Zn 213.857†	241329.6	2.588 mg/L	0.0129	2.588 mg/L	0.0129	0.50%

Sequence No.: 55
Sample ID: CJ20602-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 10/6/2012 7:39:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	962.4	1017.1	0.5938 mg/L	0.5938 mg/L	19:41:54
1	Fe 234.349†	3163.0	3362.3	2.686 mg/L	2.686 mg/L	19:41:54
1	K 766.490†	61851.7	65466.8	35.41 mg/L	35.41 mg/L	19:41:44
1	Li 670.784†	20356.3	21777.1	0.6733 mg/L	0.6733 mg/L	19:41:44
1	Na 589.592†	7783183.3	8259163.1	1351 mg/L	1351 mg/L	19:41:41
1	Sr 407.771†	687866.0	729814.7	0.7661 mg/L	0.7661 mg/L	19:41:44
1	Y 371.029	2334212.3	2334212.3	0.942 mg/L		19:42:18

1	Ag	328.068†	31129.2	31649.3	0.2681 mg/L	0.2681 mg/L	19:42:18
1	Al	237.313†	19809.9	21149.2	2.728 mg/L	2.728 mg/L	19:42:29
1	As	188.979†	379.5	399.7	0.5007 mg/L	0.5007 mg/L	19:42:29
1	B	182.528†	257.1	270.1	0.5325 mg/L	0.5325 mg/L	19:42:29
1	Ba	233.527†	86918.3	92289.9	1.275 mg/L	1.275 mg/L	19:42:18
1	Be	313.107†	76485.1	81679.9	0.0487 mg/L	0.0487 mg/L	19:42:18
1	Ca	315.887†	23204912.9	24624304.4	232.0 mg/L	232.0 mg/L	19:42:15
1	Cd	228.802†	7172.3	7548.3	0.2652 mg/L	0.2652 mg/L	19:42:29
1	Co	228.616†	17862.8	19020.4	0.4741 mg/L	0.4741 mg/L	19:42:29
1	Cr	267.716†	42582.5	44779.1	0.4905 mg/L	0.4905 mg/L	19:42:18
1	Cu	324.752†	562898.2	596099.9	3.354 mg/L	3.354 mg/L	19:42:18
1	Fe	238.204†	262552.2	278456.9	2.342 mg/L	2.342 mg/L	19:42:18
1	Mg	279.077†	77819.3	82444.9	7.237 mg/L	7.237 mg/L	19:42:18
1	Mn	257.610†	655633.9	694573.6	1.225 mg/L	1.225 mg/L	19:42:18
1	Mo	202.031†	8946.9	9467.1	0.5013 mg/L	0.5013 mg/L	19:42:29
1	Ni	231.604†	14077.7	14957.7	0.5271 mg/L	0.5271 mg/L	19:42:29
1	P	214.914†	10179.9	10460.0	6.191 mg/L	6.191 mg/L	19:42:29
1	Pb	220.353†	29902.0	31673.1	2.723 mg/L	2.723 mg/L	19:42:29
1	Sb	206.836†	640.6	643.0	0.5395 mg/L	0.5395 mg/L	19:42:29
1	Se	196.026†	1093.5	1160.4	1.125 mg/L	1.125 mg/L	19:42:29
1	Sn	189.927†	1677.0	1776.8	0.4075 mg/L	0.4075 mg/L	19:42:29
1	Ti	337.279†	337107.5	358189.0	0.5048 mg/L	0.5048 mg/L	19:42:18
1	Tl	190.801†	629.1	665.6	0.4552 mg/L	0.4552 mg/L	19:42:29
1	V	292.402†	75965.6	81295.8	0.5128 mg/L	0.5128 mg/L	19:42:18
1	Zn	213.857†	275295.9	291335.8	3.122 mg/L	3.122 mg/L	19:42:18
2	B	249.677†	978.1	1035.9	0.6048 mg/L	0.6048 mg/L	19:42:09
2	Fe	234.349†	3172.0	3378.6	2.702 mg/L	2.702 mg/L	19:42:09
2	K	766.490†	61970.8	65727.0	35.55 mg/L	35.55 mg/L	19:41:59
2	Li	670.784†	20529.7	22005.4	0.6803 mg/L	0.6803 mg/L	19:41:59
2	Na	589.592†	7845167.5	8341891.1	1365 mg/L	1365 mg/L	19:41:57
2	Sr	407.771†	691027.2	734662.5	0.7711 mg/L	0.7711 mg/L	19:41:59
2	Y	371.029	2329468.9	2329468.9	0.940 mg/L		19:42:36
2	Ag	328.068†	30941.4	31516.9	0.2669 mg/L	0.2669 mg/L	19:42:36
2	Al	237.313†	19824.9	21208.1	2.735 mg/L	2.735 mg/L	19:42:46
2	As	188.979†	382.5	403.8	0.5058 mg/L	0.5058 mg/L	19:42:46
2	B	182.528†	257.4	271.1	0.5344 mg/L	0.5344 mg/L	19:42:46
2	Ba	233.527†	86453.8	91983.7	1.271 mg/L	1.271 mg/L	19:42:36
2	Be	313.107†	76253.7	81599.0	0.0486 mg/L	0.0486 mg/L	19:42:36
2	Ca	315.887†	22954809.0	24408501.7	229.9 mg/L	229.9 mg/L	19:42:32
2	Cd	228.802†	7183.9	7576.1	0.2661 mg/L	0.2661 mg/L	19:42:46
2	Co	228.616†	17885.2	19082.9	0.4757 mg/L	0.4757 mg/L	19:42:46
2	Cr	267.716†	42411.5	44689.2	0.4896 mg/L	0.4896 mg/L	19:42:36
2	Cu	324.752†	561370.5	595691.7	3.351 mg/L	3.351 mg/L	19:42:36
2	Fe	238.204†	261069.9	277448.1	2.334 mg/L	2.334 mg/L	19:42:36
2	Mg	279.077†	77422.4	82191.0	7.215 mg/L	7.215 mg/L	19:42:36
2	Mn	257.610†	652880.7	693062.8	1.223 mg/L	1.223 mg/L	19:42:36
2	Mo	202.031†	8975.3	9516.7	0.5039 mg/L	0.5039 mg/L	19:42:46
2	Ni	231.604†	14119.2	15032.2	0.5297 mg/L	0.5297 mg/L	19:42:46
2	P	214.914†	10165.0	10466.1	6.195 mg/L	6.195 mg/L	19:42:46
2	Pb	220.353†	29943.3	31781.6	2.732 mg/L	2.732 mg/L	19:42:46
2	Sb	206.836†	640.1	643.9	0.5403 mg/L	0.5403 mg/L	19:42:46
2	Se	196.026†	1107.3	1177.3	1.141 mg/L	1.141 mg/L	19:42:46
2	Sn	189.927†	1659.9	1762.2	0.4042 mg/L	0.4042 mg/L	19:42:46
2	Ti	337.279†	336099.5	357845.5	0.5043 mg/L	0.5043 mg/L	19:42:36
2	Tl	190.801†	634.2	672.4	0.4600 mg/L	0.4600 mg/L	19:42:46
2	V	292.402†	75681.2	81157.5	0.5119 mg/L	0.5119 mg/L	19:42:36
2	Zn	213.857†	273958.7	290508.7	3.113 mg/L	3.113 mg/L	19:42:36

Mean Data: CJ20602-MS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2331840.6	0.941	mg/L	0.0014				0.14%
Ag 328.068†	31583.1	0.2675	mg/L	0.00080	0.2675	mg/L	0.00080	0.30%
Al 237.313†	21178.6	2.731	mg/L	0.0054	2.731	mg/L	0.0054	0.20%
As 188.979†	401.8	0.5032	mg/L	0.00354	0.5032	mg/L	0.00354	0.70%
B 182.528†	270.6	0.5335	mg/L	0.00132	0.5335	mg/L	0.00132	0.25%
B 249.677†	1026.5	0.5993	mg/L	0.00774	0.5993	mg/L	0.00774	1.29%
Ba 233.527†	92136.8	1.273	mg/L	0.0030	1.273	mg/L	0.0030	0.24%
Be 313.107†	81639.5	0.0486	mg/L	0.00003	0.0486	mg/L	0.00003	0.07%
Ca 315.887†	24516403.0	230.9	mg/L	1.44	230.9	mg/L	1.44	0.62%
Cd 228.802†	7562.2	0.2657	mg/L	0.00068	0.2657	mg/L	0.00068	0.26%
Co 228.616†	19051.7	0.4749	mg/L	0.00111	0.4749	mg/L	0.00111	0.23%

Cr 267.716†	44734.2	0.4901 mg/L	0.00070	0.4901 mg/L	0.00070	0.14%
Cu 324.752†	595895.8	3.353 mg/L	0.0016	3.353 mg/L	0.0016	0.05%
Fe 234.349†	3370.5	2.694 mg/L	0.0112	2.694 mg/L	0.0112	0.41%
Fe 238.204†	277952.5	2.338 mg/L	0.0060	2.338 mg/L	0.0060	0.26%
K 766.490†	65596.9	35.48 mg/L	0.099	35.48 mg/L	0.099	0.28%
Li 670.784†	21891.2	0.6768 mg/L	0.00499	0.6768 mg/L	0.00499	0.74%
Mg 279.077†	82317.9	7.226 mg/L	0.0158	7.226 mg/L	0.0158	0.22%
Mn 257.610†	693818.2	1.224 mg/L	0.0019	1.224 mg/L	0.0019	0.15%
Mo 202.031†	9491.9	0.5026 mg/L	0.00187	0.5026 mg/L	0.00187	0.37%
Na 589.592†	8300527.1	1358 mg/L	9.6	1358 mg/L	9.6	0.70%
Ni 231.604†	14995.0	0.5284 mg/L	0.00187	0.5284 mg/L	0.00187	0.35%
P 214.914†	10463.1	6.193 mg/L	0.0026	6.193 mg/L	0.0026	0.04%
Pb 220.353†	31727.3	2.727 mg/L	0.0066	2.727 mg/L	0.0066	0.24%
Sb 206.836†	643.4	0.5399 mg/L	0.00052	0.5399 mg/L	0.00052	0.10%
Se 196.026†	1168.9	1.133 mg/L	0.0116	1.133 mg/L	0.0116	1.03%
Sn 189.927†	1769.5	0.4059 mg/L	0.00230	0.4059 mg/L	0.00230	0.57%
Sr 407.771†	732238.6	0.7686 mg/L	0.00360	0.7686 mg/L	0.00360	0.47%
Ti 337.279†	358017.2	0.5046 mg/L	0.00034	0.5046 mg/L	0.00034	0.07%
Tl 190.801†	669.0	0.4576 mg/L	0.00335	0.4576 mg/L	0.00335	0.73%
V 292.402†	81226.7	0.5123 mg/L	0.00060	0.5123 mg/L	0.00060	0.12%
Zn 213.857†	290922.2	3.118 mg/L	0.0063	3.118 mg/L	0.0063	0.20%

Sequence No.: 56
Sample ID: CJ20602-SD1 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 10/6/2012 7:44:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20602-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	28.6	22.5	0.0157	mg/L	0.0157	mg/L	19:46:21
1	Fe 234.349†	78.5	78.9	0.0449	mg/L	0.0449	mg/L	19:46:21
1	K 766.490†	1981.5	1676.4	1.099	mg/L	1.099	mg/L	19:46:11
1	Li 670.784†	-209.5	-19.6	0.0000	mg/L	0.0000	mg/L	19:46:11
1	Na 589.592†	1518536.0	1413802.0	231.4	mg/L	231.4	mg/L	19:46:09
1	Sr 407.771†	121693.4	113181.3	0.1192	mg/L	0.1192	mg/L	19:46:09
1	Y 371.029	2660218.5	2660218.5	1.07	mg/L			19:46:40
1	Ag 328.068†	1340.7	-135.9	-0.0027	mg/L	-0.0027	mg/L	19:46:42
1	Al 237.313†	176.6	292.0	0.0299	mg/L	0.0299	mg/L	19:46:52
1	As 188.979†	-23.7	-25.0	-0.0296	mg/L	-0.0296	mg/L	19:46:52
1	B 182.528†	-8.9	-11.0	-0.0160	mg/L	-0.0160	mg/L	19:46:52
1	Ba 233.527†	12524.3	11716.2	0.1602	mg/L	0.1602	mg/L	19:46:42
1	Be 313.107†	-517.1	34.4	-0.0001	mg/L	-0.0001	mg/L	19:46:42
1	Ca 315.887†	5243368.4	4882099.5	45.97	mg/L	45.97	mg/L	19:46:40
1	Cd 228.802†	140.3	67.8	0.0025	mg/L	0.0025	mg/L	19:46:52
1	Co 228.616†	28.4	91.3	-0.0004	mg/L	-0.0004	mg/L	19:46:52
1	Cr 267.716†	481.9	40.4	-0.0028	mg/L	-0.0028	mg/L	19:46:42
1	Cu 324.752†	108025.0	99352.0	0.5561	mg/L	0.5561	mg/L	19:46:42
1	Fe 238.204†	2287.7	1973.4	0.0050	mg/L	0.0050	mg/L	19:46:52
1	Mg 279.077†	7451.5	6803.4	0.5627	mg/L	0.5627	mg/L	19:46:42
1	Mn 257.610†	94717.2	87025.7	0.1510	mg/L	0.1510	mg/L	19:46:42
1	Mo 202.031†	182.4	142.8	0.0070	mg/L	0.0070	mg/L	19:46:52
1	Ni 231.604†	258.3	259.3	0.0054	mg/L	0.0054	mg/L	19:46:52
1	P 214.914†	669.0	280.2	0.1842	mg/L	0.1842	mg/L	19:46:52
1	Pb 220.353†	5984.8	5514.5	0.4710	mg/L	0.4710	mg/L	19:46:42
1	Sb 206.836†	40.5	0.9	-0.0004	mg/L	-0.0004	mg/L	19:46:52
1	Se 196.026†	-12.8	-12.0	-0.0131	mg/L	-0.0131	mg/L	19:46:52
1	Sn 189.927†	-336.2	-315.9	-0.0739	mg/L	-0.0739	mg/L	19:46:52
1	Ti 337.279†	-87.1	378.1	-0.0015	mg/L	-0.0015	mg/L	19:46:42
1	Tl 190.801†	18.5	15.2	0.0061	mg/L	0.0061	mg/L	19:46:52
1	V 292.402†	-557.8	163.7	-0.0011	mg/L	-0.0011	mg/L	19:46:42
1	Zn 213.857†	54806.0	50230.3	0.5379	mg/L	0.5379	mg/L	19:46:42
2	B 249.677†	31.7	25.2	0.0173	mg/L	0.0173	mg/L	19:46:36
2	Fe 234.349†	92.1	90.8	0.0534	mg/L	0.0534	mg/L	19:46:36
2	K 766.490†	2138.7	1807.8	1.170	mg/L	1.170	mg/L	19:46:25
2	Li 670.784†	-234.2	-41.0	-0.0007	mg/L	-0.0007	mg/L	19:46:25
2	Na 589.592†	1657387.2	1531554.9	250.6	mg/L	250.6	mg/L	19:46:23
2	Sr 407.771†	130390.4	120371.8	0.1267	mg/L	0.1267	mg/L	19:46:23
2	Y 371.029	2680252.9	2680252.9	1.08	mg/L			19:46:55
2	Ag 328.068†	1381.1	-107.8	-0.0024	mg/L	-0.0024	mg/L	19:46:57

2	Al 237.313†	218.3	329.2	0.0347 mg/L	0.0347 mg/L	19:47:07
2	As 188.979†	-21.4	-22.8	-0.0268 mg/L	-0.0268 mg/L	19:47:07
2	B 182.528†	-3.9	-6.2	-0.0068 mg/L	-0.0068 mg/L	19:47:07
2	Ba 233.527†	12924.0	11998.3	0.1641 mg/L	0.1641 mg/L	19:46:57
2	Be 313.107†	-538.9	17.8	-0.0002 mg/L	-0.0002 mg/L	19:46:57
2	Ca 315.887†	5510410.5	5092397.5	47.95 mg/L	47.95 mg/L	19:46:55
2	Cd 228.802†	139.3	65.9	0.0024 mg/L	0.0024 mg/L	19:47:07
2	Co 228.616†	40.6	102.4	-0.0002 mg/L	-0.0002 mg/L	19:47:07
2	Cr 267.716†	437.3	-4.2	-0.0032 mg/L	-0.0032 mg/L	19:46:57
2	Cu 324.752†	111031.1	101378.3	0.5675 mg/L	0.5675 mg/L	19:46:57
2	Fe 238.204†	2315.2	1983.0	0.0050 mg/L	0.0050 mg/L	19:47:07
2	Mg 279.077†	7700.4	6981.5	0.5784 mg/L	0.5784 mg/L	19:46:57
2	Mn 257.610†	97844.6	89256.7	0.1549 mg/L	0.1549 mg/L	19:46:57
2	Mo 202.031†	175.2	134.8	0.0065 mg/L	0.0065 mg/L	19:47:07
2	Ni 231.604†	249.0	248.9	0.0051 mg/L	0.0051 mg/L	19:47:07
2	P 214.914†	675.7	281.8	0.1849 mg/L	0.1849 mg/L	19:47:07
2	Pb 220.353†	6178.0	5651.3	0.4828 mg/L	0.4828 mg/L	19:46:57
2	Sb 206.836†	42.4	2.4	0.0008 mg/L	0.0008 mg/L	19:47:07
2	Se 196.026†	-7.7	-7.2	-0.0084 mg/L	-0.0084 mg/L	19:47:07
2	Sn 189.927†	-357.6	-333.4	-0.0778 mg/L	-0.0778 mg/L	19:47:07
2	Ti 337.279†	-157.7	313.4	-0.0016 mg/L	-0.0016 mg/L	19:46:57
2	Tl 190.801†	17.4	14.1	0.0053 mg/L	0.0053 mg/L	19:47:07
2	V 292.402†	-676.4	58.0	-0.0018 mg/L	-0.0018 mg/L	19:46:57
2	Zn 213.857†	56732.3	51629.1	0.5529 mg/L	0.5529 mg/L	19:46:57

Mean Data: CJ20602-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	2670235.7	1.08	mg/L	0.006			0.53%
Ag 328.068†	-121.8	-0.0026	mg/L	0.00017	-0.0026 mg/L	0.00017	6.62%
Al 237.313†	310.6	0.0323	mg/L	0.00340	0.0323 mg/L	0.00340	10.52%
As 188.979†	-23.9	-0.0282	mg/L	0.00195	-0.0282 mg/L	0.00195	6.91%
B 182.528†	-8.6	-0.0114	mg/L	0.00652	-0.0114 mg/L	0.00652	57.00%
B 249.677†	23.8	0.0165	mg/L	0.00111	0.0165 mg/L	0.00111	6.76%
Ba 233.527†	11857.3	0.1622	mg/L	0.00276	0.1622 mg/L	0.00276	1.70%
Be 313.107†	26.1	-0.0001	mg/L	0.00001	-0.0001 mg/L	0.00001	4.79%
Ca 315.887†	4987248.5	46.96	mg/L	1.401	46.96 mg/L	1.401	2.98%
Cd 228.802†	66.9	0.0025	mg/L	0.00005	0.0025 mg/L	0.00005	2.23%
Co 228.616†	96.9	-0.0003	mg/L	0.00020	-0.0003 mg/L	0.00020	66.12%
Cr 267.716†	18.1	-0.0030	mg/L	0.00035	-0.0030 mg/L	0.00035	11.59%
Cu 324.752†	100365.1	0.5618	mg/L	0.00807	0.5618 mg/L	0.00807	1.44%
Fe 234.349†	84.9	0.0491	mg/L	0.00600	0.0491 mg/L	0.00600	12.23%
Fe 238.204†	1978.2	0.0050	mg/L	0.00006	0.0050 mg/L	0.00006	1.12%
K 766.490†	1742.1	1.134	mg/L	0.0500	1.134 mg/L	0.0500	4.41%
Li 670.784†	-30.3	-0.0004	mg/L	0.00047	-0.0004 mg/L	0.00047	132.39%
Mg 279.077†	6892.4	0.5706	mg/L	0.01112	0.5706 mg/L	0.01112	1.95%
Mn 257.610†	88141.2	0.1530	mg/L	0.00279	0.1530 mg/L	0.00279	1.82%
Mo 202.031†	138.8	0.0067	mg/L	0.00031	0.0067 mg/L	0.00031	4.57%
Na 589.592†	1472678.5	241.0	mg/L	13.62	241.0 mg/L	13.62	5.65%
Ni 231.604†	254.1	0.0052	mg/L	0.00026	0.0052 mg/L	0.00026	4.99%
P 214.914†	281.0	0.1845	mg/L	0.00054	0.1845 mg/L	0.00054	0.29%
Pb 220.353†	5582.9	0.4769	mg/L	0.00833	0.4769 mg/L	0.00833	1.75%
Sb 206.836†	1.6	0.0002	mg/L	0.00084	0.0002 mg/L	0.00084	481.94%
Se 196.026†	-9.6	-0.0108	mg/L	0.00333	-0.0108 mg/L	0.00333	30.89%
Sn 189.927†	-324.6	-0.0758	mg/L	0.00277	-0.0758 mg/L	0.00277	3.66%
Sr 407.771†	116776.5	0.1230	mg/L	0.00533	0.1230 mg/L	0.00533	4.34%
Ti 337.279†	345.7	-0.0016	mg/L	0.00006	-0.0016 mg/L	0.00006	4.13%
Tl 190.801†	14.7	0.0057	mg/L	0.00056	0.0057 mg/L	0.00056	9.79%
V 292.402†	110.8	-0.0014	mg/L	0.00047	-0.0014 mg/L	0.00047	33.14%
Zn 213.857†	50929.7	0.5454	mg/L	0.01062	0.5454 mg/L	0.01062	1.95%

Sequence No.: 57

Sample ID: CJ20602-PDS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 55

Date Collected: 10/6/2012 7:48:48 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20602-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	1011.9	988.9	0.5774 mg/L	0.5774 mg/L	19:50:39
1	Fe 234.349†	3313.0	3257.0	2.602 mg/L	2.602 mg/L	19:50:39
1	K 766.490†	64436.6	63066.4	34.12 mg/L	34.12 mg/L	19:50:29
1	Li 670.784†	21220.2	21000.0	0.6493 mg/L	0.6493 mg/L	19:50:29
1	Na 589.592†	8025716.3	7875915.2	1288 mg/L	1288 mg/L	19:50:26
1	Sr 407.771†	718722.7	705190.2	0.7402 mg/L	0.7402 mg/L	19:50:29
1	Y 371.029	2524070.8	2524070.8	1.02 mg/L		19:51:03
1	Ag 328.068†	32739.7	30745.1	0.2604 mg/L	0.2604 mg/L	19:51:03
1	Al 237.313†	21563.6	21289.0	2.746 mg/L	2.746 mg/L	19:51:13
1	As 188.979†	413.6	402.9	0.5046 mg/L	0.5046 mg/L	19:51:13
1	B 182.528†	290.4	282.4	0.5564 mg/L	0.5564 mg/L	19:51:13
1	Ba 233.527†	91243.9	89596.9	1.238 mg/L	1.238 mg/L	19:51:03
1	Be 313.107†	80680.5	79691.9	0.0475 mg/L	0.0475 mg/L	19:51:03
1	Ca 315.887†	24307834.5	23854429.6	224.7 mg/L	224.7 mg/L	19:51:00
1	Cd 228.802†	7730.2	7523.3	0.2643 mg/L	0.2643 mg/L	19:51:13
1	Co 228.616†	19240.6	18946.7	0.4723 mg/L	0.4723 mg/L	19:51:13
1	Cr 267.716†	44786.8	43543.4	0.4769 mg/L	0.4769 mg/L	19:51:03
1	Cu 324.752†	593868.9	581562.2	3.272 mg/L	3.272 mg/L	19:51:03
1	Fe 238.204†	276229.3	270921.9	2.279 mg/L	2.279 mg/L	19:51:03
1	Mg 279.077†	82201.7	80534.1	7.069 mg/L	7.069 mg/L	19:51:03
1	Mn 257.610†	689757.5	675727.8	1.192 mg/L	1.192 mg/L	19:51:03
1	Mo 202.031†	9622.0	9415.5	0.4986 mg/L	0.4986 mg/L	19:51:13
1	Ni 231.604†	15245.8	14980.3	0.5279 mg/L	0.5279 mg/L	19:51:13
1	P 214.914†	11093.6	10544.0	6.243 mg/L	6.243 mg/L	19:51:13
1	Pb 220.353†	32313.3	31652.6	2.721 mg/L	2.721 mg/L	19:51:13
1	Sb 206.836†	685.5	635.9	0.5336 mg/L	0.5336 mg/L	19:51:13
1	Se 196.026†	1231.5	1208.5	1.172 mg/L	1.172 mg/L	19:51:13
1	Sn 189.927†	1817.1	1780.3	0.4080 mg/L	0.4080 mg/L	19:51:13
1	Ti 337.279†	339172.4	333307.2	0.4696 mg/L	0.4696 mg/L	19:51:03
1	Tl 190.801†	682.9	668.2	0.4572 mg/L	0.4572 mg/L	19:51:13
1	V 292.402†	79962.7	79154.8	0.4993 mg/L	0.4993 mg/L	19:51:03
1	Zn 213.857†	291847.2	285604.2	3.061 mg/L	3.061 mg/L	19:51:03
2	B 249.677†	1039.4	993.2	0.5799 mg/L	0.5799 mg/L	19:50:54
2	Fe 234.349†	3385.6	3254.4	2.602 mg/L	2.602 mg/L	19:50:54
2	K 766.490†	64248.0	61481.4	33.27 mg/L	33.27 mg/L	19:50:44
2	Li 670.784†	21253.2	20569.3	0.6360 mg/L	0.6360 mg/L	19:50:44
2	Na 589.592†	8145167.1	7815663.9	1279 mg/L	1279 mg/L	19:50:42
2	Sr 407.771†	720787.2	691511.0	0.7259 mg/L	0.7259 mg/L	19:50:44
2	Y 371.029	2581385.2	2581385.2	1.04 mg/L		19:51:21
2	Ag 328.068†	33596.0	30853.3	0.2613 mg/L	0.2613 mg/L	19:51:21
2	Al 237.313†	21571.2	20826.5	2.686 mg/L	2.686 mg/L	19:51:31
2	As 188.979†	423.4	403.3	0.5052 mg/L	0.5052 mg/L	19:51:31
2	B 182.528†	296.6	281.9	0.5556 mg/L	0.5556 mg/L	19:51:31
2	Ba 233.527†	94016.3	90269.1	1.247 mg/L	1.247 mg/L	19:51:21
2	Be 313.107†	83324.1	80470.8	0.0479 mg/L	0.0479 mg/L	19:51:21
2	Ca 315.887†	24649339.3	23652483.2	222.8 mg/L	222.8 mg/L	19:51:17
2	Cd 228.802†	7750.4	7374.2	0.2590 mg/L	0.2590 mg/L	19:51:31
2	Co 228.616†	19313.0	18596.9	0.4635 mg/L	0.4635 mg/L	19:51:31
2	Cr 267.716†	45950.4	43684.0	0.4785 mg/L	0.4785 mg/L	19:51:21
2	Cu 324.752†	610750.1	584821.0	3.290 mg/L	3.290 mg/L	19:51:21
2	Fe 238.204†	284202.3	272553.8	2.293 mg/L	2.293 mg/L	19:51:21
2	Mg 279.077†	84479.7	80928.8	7.104 mg/L	7.104 mg/L	19:51:21
2	Mn 257.610†	709048.4	679209.6	1.198 mg/L	1.198 mg/L	19:51:21
2	Mo 202.031†	9659.5	9241.8	0.4893 mg/L	0.4893 mg/L	19:51:31
2	Ni 231.604†	15300.5	14700.6	0.5180 mg/L	0.5180 mg/L	19:51:31
2	P 214.914†	11126.1	10333.5	6.117 mg/L	6.117 mg/L	19:51:31
2	Pb 220.353†	32403.9	31035.5	2.668 mg/L	2.668 mg/L	19:51:31
2	Sb 206.836†	688.3	623.7	0.5233 mg/L	0.5233 mg/L	19:51:31
2	Se 196.026†	1231.8	1181.9	1.146 mg/L	1.146 mg/L	19:51:31
2	Sn 189.927†	1851.3	1773.6	0.4065 mg/L	0.4065 mg/L	19:51:31
2	Ti 337.279†	347539.6	333945.8	0.4705 mg/L	0.4705 mg/L	19:51:21
2	Tl 190.801†	676.9	647.5	0.4428 mg/L	0.4428 mg/L	19:51:31
2	V 292.402†	81991.4	79359.1	0.5005 mg/L	0.5005 mg/L	19:51:21
2	Zn 213.857†	300734.7	287773.2	3.084 mg/L	3.084 mg/L	19:51:21

Mean Data: CJ20602-PDS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2552728.0	1.03 mg/L	0.016			1.59%
Ag 328.068†	30799.2	0.2608 mg/L	0.00065	0.2608 mg/L	0.00065	0.25%
Al 237.313†	21057.7	2.716 mg/L	0.0422	2.716 mg/L	0.0422	1.56%
As 188.979†	403.1	0.5049 mg/L	0.00042	0.5049 mg/L	0.00042	0.08%

B 182.528†	282.1	0.5560 mg/L	0.00057	0.5560 mg/L	0.00057	0.10%
B 249.677†	991.0	0.5787 mg/L	0.00179	0.5787 mg/L	0.00179	0.31%
Ba 233.527†	89933.0	1.242 mg/L	0.0066	1.242 mg/L	0.0066	0.53%
Be 313.107†	80081.3	0.0477 mg/L	0.00033	0.0477 mg/L	0.00033	0.69%
Ca 315.887†	23753456.4	223.7 mg/L	1.35	223.7 mg/L	1.35	0.60%
Cd 228.802†	7448.7	0.2616 mg/L	0.00374	0.2616 mg/L	0.00374	1.43%
Co 228.616†	18771.8	0.4679 mg/L	0.00622	0.4679 mg/L	0.00622	1.33%
Cr 267.716†	43613.7	0.4777 mg/L	0.00109	0.4777 mg/L	0.00109	0.23%
Cu 324.752†	583191.6	3.281 mg/L	0.0130	3.281 mg/L	0.0130	0.40%
Fe 234.349†	3255.7	2.602 mg/L	0.0003	2.602 mg/L	0.0003	0.01%
Fe 238.204†	271737.8	2.286 mg/L	0.0098	2.286 mg/L	0.0098	0.43%
K 766.490†	62273.9	33.69 mg/L	0.603	33.69 mg/L	0.603	1.79%
Li 670.784†	20784.7	0.6426 mg/L	0.00941	0.6426 mg/L	0.00941	1.46%
Mg 279.077†	80731.4	7.086 mg/L	0.0246	7.086 mg/L	0.0246	0.35%
Mn 257.610†	677468.7	1.195 mg/L	0.0044	1.195 mg/L	0.0044	0.36%
Mo 202.031†	9328.7	0.4940 mg/L	0.00656	0.4940 mg/L	0.00656	1.33%
Na 589.592†	7845789.5	1283 mg/L	7.0	1283 mg/L	7.0	0.54%
Ni 231.604†	14840.4	0.5229 mg/L	0.00702	0.5229 mg/L	0.00702	1.34%
P 214.914†	10438.8	6.180 mg/L	0.0887	6.180 mg/L	0.0887	1.44%
Pb 220.353†	31344.1	2.694 mg/L	0.0377	2.694 mg/L	0.0377	1.40%
Sb 206.836†	629.8	0.5285 mg/L	0.00730	0.5285 mg/L	0.00730	1.38%
Se 196.026†	1195.2	1.159 mg/L	0.0182	1.159 mg/L	0.0182	1.57%
Sn 189.927†	1776.9	0.4073 mg/L	0.00109	0.4073 mg/L	0.00109	0.27%
Sr 407.771†	698350.6	0.7331 mg/L	0.01015	0.7331 mg/L	0.01015	1.38%
Ti 337.279†	333626.5	0.4700 mg/L	0.00064	0.4700 mg/L	0.00064	0.14%
Tl 190.801†	657.9	0.4500 mg/L	0.01018	0.4500 mg/L	0.01018	2.26%
V 292.402†	79257.0	0.4999 mg/L	0.00086	0.4999 mg/L	0.00086	0.17%
Zn 213.857†	286688.7	3.072 mg/L	0.0165	3.072 mg/L	0.0165	0.54%

Sequence No.: 58
Sample ID: CJ20603-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 10/6/2012 7:53:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20603-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	192.2	152.6	0.0914	mg/L	0.0914	mg/L	19:54:56
1	Fe 234.349†	15.9	18.7	0.0338	mg/L	0.0338	mg/L	19:54:56
1	K 766.490†	556.0	284.6	0.3503	mg/L	0.3503	mg/L	19:54:46
1	Li 670.784†	-111.4	84.6	0.0032	mg/L	0.0032	mg/L	19:54:46
1	Na 589.592†	41716.3	33864.2	5.641	mg/L	5.641	mg/L	19:54:46
1	Sr 407.771†	1424.9	1030.9	0.0015	mg/L	0.0015	mg/L	19:54:46
1	Y 371.029	3037837.9	3037837.9	1.23	mg/L			19:55:12
1	Ag 328.068†	1424.0	-223.1	-0.0034	mg/L	-0.0034	mg/L	19:55:15
1	Al 237.313†	40.4	160.4	0.0129	mg/L	0.0129	mg/L	19:55:25
1	As 188.979†	-4.9	-6.9	-0.0070	mg/L	-0.0070	mg/L	19:55:25
1	B 182.528†	60.5	46.7	0.0964	mg/L	0.0964	mg/L	19:55:25
1	Ba 233.527†	168.1	191.4	0.0007	mg/L	0.0007	mg/L	19:55:25
1	Be 313.107†	-551.6	66.1	-0.0001	mg/L	-0.0001	mg/L	19:55:15
1	Ca 315.887†	103884.0	84553.7	0.7803	mg/L	0.7803	mg/L	19:55:15
1	Cd 228.802†	68.9	-6.6	-0.0002	mg/L	-0.0002	mg/L	19:55:25
1	Co 228.616†	-51.9	22.6	-0.0022	mg/L	-0.0022	mg/L	19:55:25
1	Cr 267.716†	465.5	-28.8	-0.0035	mg/L	-0.0035	mg/L	19:55:15
1	Cu 324.752†	2368.8	698.2	0.0006	mg/L	0.0006	mg/L	19:55:15
1	Fe 238.204†	2654.5	2007.7	0.0053	mg/L	0.0053	mg/L	19:55:25
1	Mg 279.077†	2036.4	1525.6	0.0967	mg/L	0.0967	mg/L	19:55:15
1	Mn 257.610†	2408.7	795.8	-0.0015	mg/L	-0.0015	mg/L	19:55:25
1	Mo 202.031†	59.6	21.5	0.0009	mg/L	0.0009	mg/L	19:55:25
1	Ni 231.604†	-7.0	13.1	-0.0033	mg/L	-0.0033	mg/L	19:55:25
1	P 214.914†	376.7	-35.5	0.0067	mg/L	0.0067	mg/L	19:55:25
1	Pb 220.353†	76.4	4.2	-0.0035	mg/L	-0.0035	mg/L	19:55:25
1	Sb 206.836†	34.5	-8.6	-0.0085	mg/L	-0.0085	mg/L	19:55:25
1	Se 196.026†	5.4	4.3	0.0027	mg/L	0.0027	mg/L	19:55:25
1	Sn 189.927†	-12.3	-12.9	-0.0055	mg/L	-0.0055	mg/L	19:55:25
1	Ti 337.279†	102.6	542.8	-0.0013	mg/L	-0.0013	mg/L	19:55:15
1	Tl 190.801†	3.2	0.6	-0.0041	mg/L	-0.0041	mg/L	19:55:25
1	V 292.402†	-690.5	120.1	-0.0014	mg/L	-0.0014	mg/L	19:55:15
1	Zn 213.857†	2454.8	1200.5	0.0118	mg/L	0.0118	mg/L	19:55:25
2	B 249.677†	181.4	146.4	0.0878	mg/L	0.0878	mg/L	19:55:09

2	Fe 234.349†	14.2	17.5	0.0328 mg/L	0.0328 mg/L	19:55:09
2	K 766.490†	616.8	343.2	0.3818 mg/L	0.3818 mg/L	19:54:59
2	Li 670.784†	-141.9	57.7	0.0024 mg/L	0.0024 mg/L	19:54:59
2	Na 589.592†	42100.8	34789.3	5.792 mg/L	5.792 mg/L	19:54:59
2	Sr 407.771†	1392.7	1024.8	0.0015 mg/L	0.0015 mg/L	19:54:59
2	Y 371.029	2984666.1	2984666.1	1.20 mg/L		19:55:27
2	Ag 328.068†	1447.0	-183.3	-0.0031 mg/L	-0.0031 mg/L	19:55:29
2	Al 237.313†	14.0	139.1	0.0102 mg/L	0.0102 mg/L	19:55:40
2	As 188.979†	3.0	-0.5	0.0010 mg/L	0.0010 mg/L	19:55:40
2	B 182.528†	59.8	47.0	0.0970 mg/L	0.0970 mg/L	19:55:40
2	Ba 233.527†	158.5	186.0	0.0007 mg/L	0.0007 mg/L	19:55:40
2	Be 313.107†	-489.2	109.8	-0.0001 mg/L	-0.0001 mg/L	19:55:29
2	Ca 315.887†	104903.9	86909.1	0.8025 mg/L	0.8025 mg/L	19:55:29
2	Cd 228.802†	74.9	-0.7	-0.0001 mg/L	-0.0001 mg/L	19:55:40
2	Co 228.616†	-78.0	0.1	-0.0027 mg/L	-0.0027 mg/L	19:55:40
2	Cr 267.716†	479.4	-10.5	-0.0033 mg/L	-0.0033 mg/L	19:55:29
2	Cu 324.752†	2400.6	759.1	0.0010 mg/L	0.0010 mg/L	19:55:29
2	Fe 238.204†	2638.4	2033.0	0.0055 mg/L	0.0055 mg/L	19:55:40
2	Mg 279.077†	2111.1	1617.1	0.1048 mg/L	0.1048 mg/L	19:55:29
2	Mn 257.610†	2354.1	785.5	-0.0015 mg/L	-0.0015 mg/L	19:55:40
2	Mo 202.031†	48.4	13.1	0.0005 mg/L	0.0005 mg/L	19:55:40
2	Ni 231.604†	5.3	23.2	-0.0030 mg/L	-0.0030 mg/L	19:55:40
2	P 214.914†	376.3	-30.4	0.0097 mg/L	0.0097 mg/L	19:55:40
2	Pb 220.353†	75.9	4.9	-0.0035 mg/L	-0.0035 mg/L	19:55:40
2	Sb 206.836†	39.9	-3.7	-0.0043 mg/L	-0.0043 mg/L	19:55:40
2	Se 196.026†	6.2	5.1	0.0035 mg/L	0.0035 mg/L	19:55:40
2	Sn 189.927†	-12.1	-12.9	-0.0055 mg/L	-0.0055 mg/L	19:55:40
2	Ti 337.279†	227.6	648.0	-0.0011 mg/L	-0.0011 mg/L	19:55:29
2	Tl 190.801†	4.8	2.0	-0.0031 mg/L	-0.0031 mg/L	19:55:40
2	V 292.402†	-638.3	153.4	-0.0012 mg/L	-0.0012 mg/L	19:55:29
2	Zn 213.857†	2444.8	1227.8	0.0121 mg/L	0.0121 mg/L	19:55:40

Mean Data: CJ20603-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3011252.0	1.22	mg/L	0.015				1.25%
Ag 328.068†	-203.2	-0.0032	mg/L	0.00024	-0.0032	mg/L	0.00024	7.35%
Al 237.313†	149.8	0.0115	mg/L	0.00195	0.0115	mg/L	0.00195	16.87%
As 188.979†	-3.7	-0.0030	mg/L	0.00566	-0.0030	mg/L	0.00566	185.84%
B 182.528†	46.8	0.0967	mg/L	0.00044	0.0967	mg/L	0.00044	0.46%
B 249.677†	149.5	0.0896	mg/L	0.00255	0.0896	mg/L	0.00255	2.84%
Ba 233.527†	188.7	0.0007	mg/L	0.00005	0.0007	mg/L	0.00005	7.64%
Be 313.107†	88.0	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	16.75%
Ca 315.887†	85731.4	0.7914	mg/L	0.01569	0.7914	mg/L	0.01569	1.98%
Cd 228.802†	-3.6	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	84.88%
Co 228.616†	11.3	-0.0024	mg/L	0.00040	-0.0024	mg/L	0.00040	16.27%
Cr 267.716†	-19.7	-0.0034	mg/L	0.00014	-0.0034	mg/L	0.00014	4.16%
Cu 324.752†	728.6	0.0008	mg/L	0.00024	0.0008	mg/L	0.00024	31.08%
Fe 234.349†	18.1	0.0333	mg/L	0.00073	0.0333	mg/L	0.00073	2.18%
Fe 238.204†	2020.3	0.0054	mg/L	0.00015	0.0054	mg/L	0.00015	2.82%
K 766.490†	313.9	0.3660	mg/L	0.02228	0.3660	mg/L	0.02228	6.09%
Li 670.784†	71.1	0.0028	mg/L	0.00059	0.0028	mg/L	0.00059	21.15%
Mg 279.077†	1571.3	0.1008	mg/L	0.00571	0.1008	mg/L	0.00571	5.67%
Mn 257.610†	790.6	-0.0015	mg/L	0.00001	-0.0015	mg/L	0.00001	0.87%
Mo 202.031†	17.3	0.0007	mg/L	0.00032	0.0007	mg/L	0.00032	46.94%
Na 589.592†	34326.8	5.716	mg/L	0.1070	5.716	mg/L	0.1070	1.87%
Ni 231.604†	18.1	-0.0031	mg/L	0.00025	-0.0031	mg/L	0.00025	8.03%
P 214.914†	-33.0	0.0082	mg/L	0.00217	0.0082	mg/L	0.00217	26.40%
Pb 220.353†	4.5	-0.0035	mg/L	0.00004	-0.0035	mg/L	0.00004	1.23%
Sb 206.836†	-6.2	-0.0064	mg/L	0.00294	-0.0064	mg/L	0.00294	46.02%
Se 196.026†	4.7	0.0031	mg/L	0.00053	0.0031	mg/L	0.00053	17.02%
Sn 189.927†	-12.9	-0.0055	mg/L	0.00001	-0.0055	mg/L	0.00001	0.25%
Sr 407.771†	1027.9	0.0015	mg/L	0.00000	0.0015	mg/L	0.00000	0.29%
Ti 337.279†	595.4	-0.0012	mg/L	0.00011	-0.0012	mg/L	0.00011	8.68%
Tl 190.801†	1.3	-0.0036	mg/L	0.00070	-0.0036	mg/L	0.00070	19.65%
V 292.402†	136.7	-0.0013	mg/L	0.00015	-0.0013	mg/L	0.00015	11.19%
Zn 213.857†	1214.1	0.0120	mg/L	0.00021	0.0120	mg/L	0.00021	1.72%

Sequence No.: 59

Sample ID: CJ20603-BS1

Analyst:

Autosampler Location: 57

Date Collected: 10/6/2012 7:57:16 PM

Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20603-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1154.0	956.7	0.5586	mg/L	0.5586	mg/L	19:58:56
1	Fe 234.349†	3740.8	3120.2	2.681	mg/L	2.681	mg/L	19:58:56
1	K 766.490†	51608.7	42798.7	23.22	mg/L	23.22	mg/L	19:58:54
1	Li 670.784†	18329.2	15435.7	0.4774	mg/L	0.4774	mg/L	19:58:56
1	Na 589.592†	205012.7	170535.4	28.00	mg/L	28.00	mg/L	19:58:54
1	Sr 407.771†	54223.6	45013.6	0.0477	mg/L	0.0477	mg/L	19:58:54
1	Y 371.029	2975157.5	2975157.5	1.20	mg/L			19:59:05
1	Ag 328.068†	36335.9	28867.7	0.2444	mg/L	0.2444	mg/L	19:59:07
1	Al 237.313†	21821.4	18295.2	2.359	mg/L	2.359	mg/L	19:59:07
1	As 188.979†	468.8	387.3	0.4852	mg/L	0.4852	mg/L	19:59:17
1	B 182.528†	384.8	317.7	0.6254	mg/L	0.6254	mg/L	19:59:17
1	Ba 233.527†	43903.0	36606.5	0.5044	mg/L	0.5044	mg/L	19:59:07
1	Be 313.107†	98289.0	82347.6	0.0491	mg/L	0.0491	mg/L	19:59:07
1	Ca 315.887†	699261.9	582027.8	5.469	mg/L	5.469	mg/L	19:59:05
1	Cd 228.802†	8427.6	6953.6	0.2442	mg/L	0.2442	mg/L	19:59:17
1	Co 228.616†	23718.2	19811.8	0.4940	mg/L	0.4940	mg/L	19:59:07
1	Cr 267.716†	53880.9	44450.9	0.4869	mg/L	0.4869	mg/L	19:59:07
1	Cu 324.752†	107222.3	88036.1	0.4928	mg/L	0.4928	mg/L	19:59:07
1	Fe 238.204†	371688.1	309297.0	2.603	mg/L	2.603	mg/L	19:59:07
1	Mg 279.077†	68842.9	57181.2	5.007	mg/L	5.007	mg/L	19:59:07
1	Mn 257.610†	346305.2	287152.7	0.5050	mg/L	0.5050	mg/L	19:59:07
1	Mo 202.031†	11083.4	9200.5	0.4891	mg/L	0.4891	mg/L	19:59:17
1	Ni 231.604†	17263.0	14391.3	0.5070	mg/L	0.5070	mg/L	19:59:07
1	P 214.914†	10193.5	8144.0	4.867	mg/L	4.867	mg/L	19:59:17
1	Pb 220.353†	6838.4	5635.3	0.4808	mg/L	0.4808	mg/L	19:59:17
1	Sb 206.836†	754.8	591.6	0.4964	mg/L	0.4964	mg/L	19:59:17
1	Se 196.026†	1256.2	1045.8	1.014	mg/L	1.014	mg/L	19:59:17
1	Sn 189.927†	2780.7	2312.2	0.5280	mg/L	0.5280	mg/L	19:59:17
1	Ti 337.279†	412401.4	343809.3	0.4844	mg/L	0.4844	mg/L	19:59:05
1	Tl 190.801†	859.5	713.6	0.4889	mg/L	0.4889	mg/L	19:59:17
1	V 292.402†	92835.4	77974.4	0.4919	mg/L	0.4919	mg/L	19:59:07
1	Zn 213.857†	58029.6	47512.1	0.5060	mg/L	0.5060	mg/L	19:59:07
2	B 249.677†	1142.2	964.0	0.5628	mg/L	0.5628	mg/L	19:59:01
2	Fe 234.349†	3736.4	3172.7	2.726	mg/L	2.726	mg/L	19:59:01
2	K 766.490†	50973.0	43035.5	23.34	mg/L	23.34	mg/L	19:58:59
2	Li 670.784†	18270.8	15661.6	0.4844	mg/L	0.4844	mg/L	19:59:01
2	Na 589.592†	202339.6	171350.4	28.13	mg/L	28.13	mg/L	19:58:59
2	Sr 407.771†	53208.0	44967.6	0.0476	mg/L	0.0476	mg/L	19:58:59
2	Y 371.029	2922411.5	2922411.5	1.18	mg/L			19:59:20
2	Ag 328.068†	36599.9	29637.5	0.2509	mg/L	0.2509	mg/L	19:59:22
2	Al 237.313†	22020.1	18791.5	2.423	mg/L	2.423	mg/L	19:59:22
2	As 188.979†	480.6	404.3	0.5064	mg/L	0.5064	mg/L	19:59:32
2	B 182.528†	377.1	317.0	0.6239	mg/L	0.6239	mg/L	19:59:32
2	Ba 233.527†	44328.3	37626.6	0.5185	mg/L	0.5185	mg/L	19:59:22
2	Be 313.107†	99284.2	84668.1	0.0505	mg/L	0.0505	mg/L	19:59:22
2	Ca 315.887†	689075.9	583901.9	5.487	mg/L	5.487	mg/L	19:59:20
2	Cd 228.802†	8359.4	7022.5	0.2465	mg/L	0.2465	mg/L	19:59:32
2	Co 228.616†	23918.4	20337.9	0.5072	mg/L	0.5072	mg/L	19:59:22
2	Cr 267.716†	54416.9	45714.9	0.5008	mg/L	0.5008	mg/L	19:59:22
2	Cu 324.752†	107771.1	90112.5	0.5045	mg/L	0.5045	mg/L	19:59:22
2	Fe 238.204†	373454.3	316379.3	2.663	mg/L	2.663	mg/L	19:59:22
2	Mg 279.077†	69237.1	58549.7	5.128	mg/L	5.128	mg/L	19:59:22
2	Mn 257.610†	349120.0	294742.3	0.5184	mg/L	0.5184	mg/L	19:59:22
2	Mo 202.031†	11030.5	9322.2	0.4956	mg/L	0.4956	mg/L	19:59:32
2	Ni 231.604†	17429.8	14792.1	0.5212	mg/L	0.5212	mg/L	19:59:22
2	P 214.914†	10101.3	8219.1	4.911	mg/L	4.911	mg/L	19:59:32
2	Pb 220.353†	6782.9	5691.0	0.4856	mg/L	0.4856	mg/L	19:59:32
2	Sb 206.836†	748.3	597.4	0.5013	mg/L	0.5013	mg/L	19:59:32
2	Se 196.026†	1241.3	1052.0	1.020	mg/L	1.020	mg/L	19:59:32
2	Sn 189.927†	2752.6	2330.2	0.5321	mg/L	0.5321	mg/L	19:59:32
2	Ti 337.279†	406840.1	345292.7	0.4865	mg/L	0.4865	mg/L	19:59:20
2	Tl 190.801†	860.5	727.4	0.4984	mg/L	0.4984	mg/L	19:59:32
2	V 292.402†	93597.4	80015.2	0.5048	mg/L	0.5048	mg/L	19:59:22
2	Zn 213.857†	58378.2	48679.6	0.5185	mg/L	0.5185	mg/L	19:59:22

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2948784.5	1.19	mg/L	0.015				1.26%
Ag 328.068†	29252.6	0.2476	mg/L	0.00464	0.2476	mg/L	0.00464	1.87%
Al 237.313†	18543.4	2.391	mg/L	0.0454	2.391	mg/L	0.0454	1.90%
As 188.979†	395.8	0.4958	mg/L	0.01503	0.4958	mg/L	0.01503	3.03%
B 182.528†	317.3	0.6246	mg/L	0.00105	0.6246	mg/L	0.00105	0.17%
B 249.677†	960.3	0.5607	mg/L	0.00299	0.5607	mg/L	0.00299	0.53%
Ba 233.527†	37116.6	0.5115	mg/L	0.00998	0.5115	mg/L	0.00998	1.95%
Be 313.107†	83507.9	0.0498	mg/L	0.00098	0.0498	mg/L	0.00098	1.97%
Ca 315.887†	582964.8	5.478	mg/L	0.0125	5.478	mg/L	0.0125	0.23%
Cd 228.802†	6988.1	0.2453	mg/L	0.00166	0.2453	mg/L	0.00166	0.68%
Co 228.616†	20074.8	0.5006	mg/L	0.00934	0.5006	mg/L	0.00934	1.87%
Cr 267.716†	45082.9	0.4939	mg/L	0.00985	0.4939	mg/L	0.00985	1.99%
Cu 324.752†	89074.3	0.4986	mg/L	0.00827	0.4986	mg/L	0.00827	1.66%
Fe 234.349†	3146.4	2.703	mg/L	0.0317	2.703	mg/L	0.0317	1.17%
Fe 238.204†	312838.2	2.633	mg/L	0.0423	2.633	mg/L	0.0423	1.61%
K 766.490†	42917.1	23.28	mg/L	0.090	23.28	mg/L	0.090	0.39%
Li 670.784†	15548.7	0.4809	mg/L	0.00493	0.4809	mg/L	0.00493	1.03%
Mg 279.077†	57865.4	5.067	mg/L	0.0854	5.067	mg/L	0.0854	1.68%
Mn 257.610†	290947.5	0.5117	mg/L	0.00949	0.5117	mg/L	0.00949	1.85%
Mo 202.031†	9261.4	0.4923	mg/L	0.00457	0.4923	mg/L	0.00457	0.93%
Na 589.592†	170942.9	28.06	mg/L	0.094	28.06	mg/L	0.094	0.34%
Ni 231.604†	14591.7	0.5141	mg/L	0.01005	0.5141	mg/L	0.01005	1.95%
P 214.914†	8181.5	4.889	mg/L	0.0315	4.889	mg/L	0.0315	0.64%
Pb 220.353†	5663.2	0.4832	mg/L	0.00337	0.4832	mg/L	0.00337	0.70%
Sb 206.836†	594.5	0.4988	mg/L	0.00347	0.4988	mg/L	0.00347	0.70%
Se 196.026†	1048.9	1.017	mg/L	0.0043	1.017	mg/L	0.0043	0.42%
Sn 189.927†	2321.2	0.5301	mg/L	0.00297	0.5301	mg/L	0.00297	0.56%
Sr 407.771†	44990.6	0.0477	mg/L	0.00003	0.0477	mg/L	0.00003	0.07%
Ti 337.279†	344551.0	0.4855	mg/L	0.00148	0.4855	mg/L	0.00148	0.31%
Tl 190.801†	720.5	0.4936	mg/L	0.00672	0.4936	mg/L	0.00672	1.36%
V 292.402†	78994.8	0.4983	mg/L	0.00913	0.4983	mg/L	0.00913	1.83%
Zn 213.857†	48095.9	0.5123	mg/L	0.00881	0.5123	mg/L	0.00881	1.72%

Sequence No.: 60

Sample ID: CJ20603-BS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 58

Date Collected: 10/6/2012 8:01:09 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20603-BS1

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	1213.3	998.8	0.5831	mg/L	0.5831	mg/L	20:02:50
1	Fe 234.349†	3644.1	3017.9	2.593	mg/L	2.593	mg/L	20:02:50
1	K 766.490†	51834.5	42677.1	23.15	mg/L	23.15	mg/L	20:02:48
1	Li 670.784†	18392.1	15378.1	0.4756	mg/L	0.4756	mg/L	20:02:50
1	Na 589.592†	209386.4	172925.6	28.39	mg/L	28.39	mg/L	20:02:48
1	Sr 407.771†	55078.0	45395.9	0.0481	mg/L	0.0481	mg/L	20:02:48
1	Y 371.029	2996664.9	2996664.9	1.21	mg/L			20:02:58
1	Ag 328.068†	36719.1	28967.3	0.2452	mg/L	0.2452	mg/L	20:03:00
1	Al 237.313†	22224.0	18497.6	2.385	mg/L	2.385	mg/L	20:03:00
1	As 188.979†	478.3	392.4	0.4915	mg/L	0.4915	mg/L	20:03:11
1	B 182.528†	368.9	302.2	0.5952	mg/L	0.5952	mg/L	20:03:11
1	Ba 233.527†	44517.4	36852.0	0.5078	mg/L	0.5078	mg/L	20:03:00
1	Be 313.107†	98799.3	82182.1	0.0490	mg/L	0.0490	mg/L	20:03:00
1	Ca 315.887†	703387.7	581259.8	5.462	mg/L	5.462	mg/L	20:02:58
1	Cd 228.802†	8269.3	6772.5	0.2377	mg/L	0.2377	mg/L	20:03:11
1	Co 228.616†	24169.2	20042.8	0.4998	mg/L	0.4998	mg/L	20:03:00
1	Cr 267.716†	54949.9	45012.6	0.4931	mg/L	0.4931	mg/L	20:03:00
1	Cu 324.752†	109210.6	89038.9	0.4984	mg/L	0.4984	mg/L	20:03:00
1	Fe 238.204†	351999.1	290801.4	2.447	mg/L	2.447	mg/L	20:03:00
1	Mg 279.077†	69979.6	57709.4	5.054	mg/L	5.054	mg/L	20:03:00
1	Mn 257.610†	352020.9	289807.8	0.5097	mg/L	0.5097	mg/L	20:03:00
1	Mo 202.031†	10970.1	9040.6	0.4806	mg/L	0.4806	mg/L	20:03:11
1	Ni 231.604†	17586.7	14555.7	0.5128	mg/L	0.5128	mg/L	20:03:00
1	P 214.914†	9993.4	7917.7	4.732	mg/L	4.732	mg/L	20:03:11
1	Pb 220.353†	6773.2	5540.5	0.4726	mg/L	0.4726	mg/L	20:03:11
1	Sb 206.836†	744.6	578.7	0.4855	mg/L	0.4855	mg/L	20:03:11

1	Se 196.026†	1239.9	1024.8	0.9934 mg/L	0.9934 mg/L	20:03:11
1	Sn 189.927†	2750.2	2270.4	0.5182 mg/L	0.5182 mg/L	20:03:11
1	Ti 337.279†	409258.4	338747.1	0.4773 mg/L	0.4773 mg/L	20:02:58
1	Tl 190.801†	843.5	695.3	0.4761 mg/L	0.4761 mg/L	20:03:11
1	V 292.402†	94660.9	78928.6	0.4979 mg/L	0.4979 mg/L	20:03:00
1	Zn 213.857†	58783.1	47788.2	0.5090 mg/L	0.5090 mg/L	20:03:00
2	B 249.677†	1232.7	1021.5	0.5964 mg/L	0.5964 mg/L	20:02:54
2	Fe 234.349†	3657.3	3049.0	2.620 mg/L	2.620 mg/L	20:02:54
2	K 766.490†	52357.2	43397.0	23.54 mg/L	23.54 mg/L	20:02:52
2	Li 670.784†	18585.3	15640.0	0.4837 mg/L	0.4837 mg/L	20:02:54
2	Na 589.592†	211338.7	175701.2	28.84 mg/L	28.84 mg/L	20:02:52
2	Sr 407.771†	55662.7	46185.2	0.0489 mg/L	0.0489 mg/L	20:02:52
2	Y 371.029	2976865.9	2976865.9	1.20 mg/L		20:03:13
2	Ag 328.068†	36158.3	28702.6	0.2430 mg/L	0.2430 mg/L	20:03:15
2	Al 237.313†	21853.5	18311.5	2.361 mg/L	2.361 mg/L	20:03:15
2	As 188.979†	469.6	387.7	0.4857 mg/L	0.4857 mg/L	20:03:26
2	B 182.528†	371.7	306.6	0.6037 mg/L	0.6037 mg/L	20:03:26
2	Ba 233.527†	43899.1	36582.2	0.5041 mg/L	0.5041 mg/L	20:03:15
2	Be 313.107†	97140.4	81345.0	0.0485 mg/L	0.0485 mg/L	20:03:15
2	Ca 315.887†	694882.8	578049.9	5.432 mg/L	5.432 mg/L	20:03:13
2	Cd 228.802†	8252.5	6804.0	0.2389 mg/L	0.2389 mg/L	20:03:26
2	Co 228.616†	23719.9	19801.9	0.4938 mg/L	0.4938 mg/L	20:03:15
2	Cr 267.716†	54046.3	44562.7	0.4881 mg/L	0.4881 mg/L	20:03:15
2	Cu 324.752†	107837.9	88497.1	0.4954 mg/L	0.4954 mg/L	20:03:15
2	Fe 238.204†	347083.0	288645.9	2.429 mg/L	2.429 mg/L	20:03:15
2	Mg 279.077†	68958.2	57244.2	5.013 mg/L	5.013 mg/L	20:03:15
2	Mn 257.610†	346898.1	287480.5	0.5055 mg/L	0.5055 mg/L	20:03:15
2	Mo 202.031†	10952.3	9086.1	0.4830 mg/L	0.4830 mg/L	20:03:26
2	Ni 231.604†	17384.4	14484.1	0.5103 mg/L	0.5103 mg/L	20:03:15
2	P 214.914†	10010.9	7987.2	4.773 mg/L	4.773 mg/L	20:03:26
2	Pb 220.353†	6767.4	5572.9	0.4754 mg/L	0.4754 mg/L	20:03:26
2	Sb 206.836†	737.4	576.8	0.4839 mg/L	0.4839 mg/L	20:03:26
2	Se 196.026†	1239.2	1031.0	0.9994 mg/L	0.9994 mg/L	20:03:26
2	Sn 189.927†	2750.9	2286.1	0.5219 mg/L	0.5219 mg/L	20:03:26
2	Ti 337.279†	405726.5	338058.1	0.4763 mg/L	0.4763 mg/L	20:03:13
2	Tl 190.801†	846.8	702.6	0.4812 mg/L	0.4812 mg/L	20:03:26
2	V 292.402†	93265.8	78288.2	0.4938 mg/L	0.4938 mg/L	20:03:15
2	Zn 213.857†	57887.5	47366.2	0.5045 mg/L	0.5045 mg/L	20:03:15

Mean Data: CJ20603-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2986765.4	1.21	mg/L	0.006				0.47%
Ag 328.068†	28835.0	0.2441	mg/L	0.00159	0.2441	mg/L	0.00159	0.65%
Al 237.313†	18404.5	2.373	mg/L	0.0170	2.373	mg/L	0.0170	0.72%
As 188.979†	390.1	0.4886	mg/L	0.00409	0.4886	mg/L	0.00409	0.84%
B 182.528†	304.4	0.5995	mg/L	0.00605	0.5995	mg/L	0.00605	1.01%
B 249.677†	1010.1	0.5897	mg/L	0.00940	0.5897	mg/L	0.00940	1.59%
Ba 233.527†	36717.1	0.5059	mg/L	0.00264	0.5059	mg/L	0.00264	0.52%
Be 313.107†	81763.5	0.0487	mg/L	0.00035	0.0487	mg/L	0.00035	0.73%
Ca 315.887†	579654.8	5.447	mg/L	0.0214	5.447	mg/L	0.0214	0.39%
Cd 228.802†	6788.2	0.2383	mg/L	0.00081	0.2383	mg/L	0.00081	0.34%
Co 228.616†	19922.4	0.4968	mg/L	0.00428	0.4968	mg/L	0.00428	0.86%
Cr 267.716†	44787.7	0.4906	mg/L	0.00350	0.4906	mg/L	0.00350	0.71%
Cu 324.752†	88768.0	0.4969	mg/L	0.00216	0.4969	mg/L	0.00216	0.43%
Fe 234.349†	3033.4	2.607	mg/L	0.0189	2.607	mg/L	0.0189	0.72%
Fe 238.204†	289723.7	2.438	mg/L	0.0129	2.438	mg/L	0.0129	0.53%
K 766.490†	43037.0	23.35	mg/L	0.274	23.35	mg/L	0.274	1.17%
Li 670.784†	15509.1	0.4796	mg/L	0.00572	0.4796	mg/L	0.00572	1.19%
Mg 279.077†	57476.8	5.033	mg/L	0.0290	5.033	mg/L	0.0290	0.58%
Mn 257.610†	288644.2	0.5076	mg/L	0.00291	0.5076	mg/L	0.00291	0.57%
Mo 202.031†	9063.4	0.4818	mg/L	0.00171	0.4818	mg/L	0.00171	0.36%
Na 589.592†	174313.4	28.61	mg/L	0.321	28.61	mg/L	0.321	1.12%
Ni 231.604†	14519.9	0.5115	mg/L	0.00179	0.5115	mg/L	0.00179	0.35%
P 214.914†	7952.4	4.753	mg/L	0.0293	4.753	mg/L	0.0293	0.62%
Pb 220.353†	5556.7	0.4740	mg/L	0.00199	0.4740	mg/L	0.00199	0.42%
Sb 206.836†	577.7	0.4847	mg/L	0.00115	0.4847	mg/L	0.00115	0.24%
Se 196.026†	1027.9	0.9964	mg/L	0.00427	0.9964	mg/L	0.00427	0.43%
Sn 189.927†	2278.3	0.5201	mg/L	0.00256	0.5201	mg/L	0.00256	0.49%
Sr 407.771†	45790.5	0.0485	mg/L	0.00059	0.0485	mg/L	0.00059	1.21%
Ti 337.279†	338402.6	0.4768	mg/L	0.00069	0.4768	mg/L	0.00069	0.14%
Tl 190.801†	698.9	0.4786	mg/L	0.00362	0.4786	mg/L	0.00362	0.76%

V 292.402†	78608.4	0.4959 mg/L	0.00285	0.4959 mg/L	0.00285	0.57%
Zn 213.857†	47577.2	0.5067 mg/L	0.00319	0.5067 mg/L	0.00319	0.63%

Sequence No.: 61	Autosampler Location: 3
Sample ID: CCV1	Date Collected: 10/6/2012 8:05:03 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1068.1	870.3	0.5083 mg/L	0.5083 mg/L	20:06:48
1	Fe 234.349†	3685.5	3023.1	2.598 mg/L	2.598 mg/L	20:06:48
1	K 766.490†	53507.5	43637.5	23.67 mg/L	23.67 mg/L	20:06:46
1	Li 670.784†	18514.8	15333.4	0.4742 mg/L	0.4742 mg/L	20:06:48
1	Na 589.592†	180373.6	147520.0	24.23 mg/L	24.23 mg/L	20:06:46
1	Sr 407.771†	57455.7	46907.6	0.0497 mg/L	0.0497 mg/L	20:06:46
1	Y 371.029	3025562.9	3025562.9	1.22 mg/L		20:06:57
1	Ag 328.068†	37762.8	29531.9	0.2500 mg/L	0.2500 mg/L	20:06:59
1	Al 237.313†	23402.6	19287.0	2.487 mg/L	2.487 mg/L	20:06:59
1	As 188.979†	497.3	404.1	0.5061 mg/L	0.5061 mg/L	20:07:09
1	B 182.528†	324.5	263.0	0.5186 mg/L	0.5186 mg/L	20:07:09
1	Ba 233.527†	44776.6	36712.7	0.5059 mg/L	0.5059 mg/L	20:06:59
1	Be 313.107†	101132.3	83312.1	0.0496 mg/L	0.0496 mg/L	20:06:59
1	Ca 315.887†	634126.6	519003.0	4.876 mg/L	4.876 mg/L	20:06:57
1	Cd 228.802†	8505.9	6900.9	0.2422 mg/L	0.2422 mg/L	20:07:09
1	Co 228.616†	24461.2	20091.1	0.5010 mg/L	0.5010 mg/L	20:06:59
1	Cr 267.716†	56086.0	45508.9	0.4986 mg/L	0.4986 mg/L	20:06:59
1	Cu 324.752†	110214.7	88998.7	0.4982 mg/L	0.4982 mg/L	20:06:59
1	Fe 238.204†	355471.3	290865.1	2.447 mg/L	2.447 mg/L	20:06:59
1	Mg 279.077†	70889.9	57902.1	5.071 mg/L	5.071 mg/L	20:06:59
1	Mn 257.610†	355080.6	289533.7	0.5092 mg/L	0.5092 mg/L	20:06:59
1	Mo 202.031†	11255.8	9187.9	0.4885 mg/L	0.4885 mg/L	20:07:09
1	Ni 231.604†	18209.5	14926.8	0.5260 mg/L	0.5260 mg/L	20:06:59
1	P 214.914†	10325.5	8110.7	4.847 mg/L	4.847 mg/L	20:07:09
1	Pb 220.353†	6988.3	5663.2	0.4831 mg/L	0.4831 mg/L	20:07:09
1	Sb 206.836†	775.1	597.8	0.5016 mg/L	0.5016 mg/L	20:07:09
1	Se 196.026†	1297.8	1062.4	1.030 mg/L	1.030 mg/L	20:07:09
1	Sn 189.927†	2807.0	2295.2	0.5239 mg/L	0.5239 mg/L	20:07:09
1	Ti 337.279†	417884.8	342578.3	0.4827 mg/L	0.4827 mg/L	20:06:57
1	Tl 190.801†	867.0	707.8	0.4848 mg/L	0.4848 mg/L	20:07:09
1	V 292.402†	97364.0	80394.3	0.5071 mg/L	0.5071 mg/L	20:06:59
1	Zn 213.857†	59612.5	48003.1	0.5112 mg/L	0.5112 mg/L	20:06:59
2	B 249.677†	1077.8	867.6	0.5068 mg/L	0.5068 mg/L	20:06:53
2	Fe 234.349†	3814.9	3091.6	2.657 mg/L	2.657 mg/L	20:06:53
2	K 766.490†	53908.1	43437.4	23.56 mg/L	23.56 mg/L	20:06:51
2	Li 670.784†	18978.6	15527.2	0.4802 mg/L	0.4802 mg/L	20:06:53
2	Na 589.592†	182502.8	147475.4	24.22 mg/L	24.22 mg/L	20:06:51
2	Sr 407.771†	57997.6	46783.1	0.0495 mg/L	0.0495 mg/L	20:06:51
2	Y 371.029	3062202.8	3062202.8	1.24 mg/L		20:07:12
2	Ag 328.068†	37563.1	29000.5	0.2455 mg/L	0.2455 mg/L	20:07:14
2	Al 237.313†	23416.9	19069.3	2.459 mg/L	2.459 mg/L	20:07:14
2	As 188.979†	490.5	393.8	0.4932 mg/L	0.4932 mg/L	20:07:24
2	B 182.528†	320.0	256.2	0.5054 mg/L	0.5054 mg/L	20:07:24
2	Ba 233.527†	44668.8	36186.9	0.4986 mg/L	0.4986 mg/L	20:07:14
2	Be 313.107†	101367.2	82511.5	0.0492 mg/L	0.0492 mg/L	20:07:14
2	Ca 315.887†	638942.4	516686.7	4.854 mg/L	4.854 mg/L	20:07:12
2	Cd 228.802†	8493.3	6807.4	0.2390 mg/L	0.2390 mg/L	20:07:24
2	Co 228.616†	24402.1	19803.7	0.4938 mg/L	0.4938 mg/L	20:07:14
2	Cr 267.716†	55893.6	44803.8	0.4908 mg/L	0.4908 mg/L	20:07:14
2	Cu 324.752†	110201.6	87908.5	0.4921 mg/L	0.4921 mg/L	20:07:14
2	Fe 238.204†	356335.2	288081.7	2.424 mg/L	2.424 mg/L	20:07:14
2	Mg 279.077†	70841.4	57168.4	5.006 mg/L	5.006 mg/L	20:07:14
2	Mn 257.610†	355563.6	286446.1	0.5037 mg/L	0.5037 mg/L	20:07:14
2	Mo 202.031†	11228.9	9055.9	0.4814 mg/L	0.4814 mg/L	20:07:24
2	Ni 231.604†	18144.1	14695.5	0.5178 mg/L	0.5178 mg/L	20:07:14
2	P 214.914†	10308.2	7995.6	4.779 mg/L	4.779 mg/L	20:07:24
2	Pb 220.353†	6963.6	5574.7	0.4755 mg/L	0.4755 mg/L	20:07:24
2	Sb 206.836†	777.3	592.0	0.4967 mg/L	0.4967 mg/L	20:07:24
2	Se 196.026†	1305.9	1056.3	1.024 mg/L	1.024 mg/L	20:07:24

2	Sn 189.927†	2806.7	2267.5	0.5178 mg/L	0.5178 mg/L	20:07:24
2	Ti 337.279†	421575.0	341469.8	0.4811 mg/L	0.4811 mg/L	20:07:12
2	Tl 190.801†	864.1	697.0	0.4772 mg/L	0.4772 mg/L	20:07:24
2	V 292.402†	97465.7	79522.7	0.5016 mg/L	0.5016 mg/L	20:07:14
2	Zn 213.857†	59774.6	47550.4	0.5064 mg/L	0.5064 mg/L	20:07:14

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	3043882.9	1.23	mg/L	0.010				0.85%
Ag 328.068†	29266.2	0.2478	mg/L	0.00319	0.2478	mg/L	0.00319	1.29%
	QC value within limits for Ag 328.068	Recovery = 99.10%						
Al 237.313†	19178.2	2.473	mg/L	0.0199	2.473	mg/L	0.0199	0.81%
	QC value within limits for Al 237.313	Recovery = 98.93%						
As 188.979†	399.0	0.4997	mg/L	0.00913	0.4997	mg/L	0.00913	1.83%
	QC value within limits for As 188.979	Recovery = 99.93%						
B 182.528†	259.6	0.5120	mg/L	0.00938	0.5120	mg/L	0.00938	1.83%
	QC value within limits for B 182.528	Recovery = 102.40%						
B 249.677†	869.0	0.5075	mg/L	0.00109	0.5075	mg/L	0.00109	0.22%
	QC value within limits for B 249.677	Recovery = 101.51%						
Ba 233.527†	36449.8	0.5022	mg/L	0.00514	0.5022	mg/L	0.00514	1.02%
	QC value within limits for Ba 233.527	Recovery = 100.45%						
Be 313.107†	82911.8	0.0494	mg/L	0.00034	0.0494	mg/L	0.00034	0.69%
	QC value within limits for Be 313.107	Recovery = 98.82%						
Ca 315.887†	517844.8	4.865	mg/L	0.0154	4.865	mg/L	0.0154	0.32%
	QC value within limits for Ca 315.887	Recovery = 97.29%						
Cd 228.802†	6854.1	0.2406	mg/L	0.00230	0.2406	mg/L	0.00230	0.96%
	QC value within limits for Cd 228.802	Recovery = 96.23%						
Co 228.616†	19947.4	0.4974	mg/L	0.00510	0.4974	mg/L	0.00510	1.03%
	QC value within limits for Co 228.616	Recovery = 99.49%						
Cr 267.716†	45156.3	0.4947	mg/L	0.00550	0.4947	mg/L	0.00550	1.11%
	QC value within limits for Cr 267.716	Recovery = 98.94%						
Cu 324.752†	88453.6	0.4951	mg/L	0.00434	0.4951	mg/L	0.00434	0.88%
	QC value within limits for Cu 324.752	Recovery = 99.03%						
Fe 234.349†	3057.3	2.627	mg/L	0.0416	2.627	mg/L	0.0416	1.58%
	QC value within limits for Fe 234.349	Recovery = 105.10%						
Fe 238.204†	289473.4	2.436	mg/L	0.0166	2.436	mg/L	0.0166	0.68%
	QC value within limits for Fe 238.204	Recovery = 97.42%						
K 766.490†	43537.4	23.61	mg/L	0.076	23.61	mg/L	0.076	0.32%
	QC value within limits for K 766.490	Recovery = 94.46%						
Li 670.784†	15430.3	0.4772	mg/L	0.00423	0.4772	mg/L	0.00423	0.89%
	QC value within limits for Li 670.784	Recovery = 95.44%						
Mg 279.077†	57535.3	5.038	mg/L	0.0458	5.038	mg/L	0.0458	0.91%
	QC value within limits for Mg 279.077	Recovery = 100.76%						
Mn 257.610†	287989.9	0.5064	mg/L	0.00386	0.5064	mg/L	0.00386	0.76%
	QC value within limits for Mn 257.610	Recovery = 101.29%						
Mo 202.031†	9121.9	0.4849	mg/L	0.00499	0.4849	mg/L	0.00499	1.03%
	QC value within limits for Mo 202.031	Recovery = 96.99%						
Na 589.592†	147497.7	24.23	mg/L	0.005	24.23	mg/L	0.005	0.02%
	QC value within limits for Na 589.592	Recovery = 96.91%						
Ni 231.604†	14811.1	0.5219	mg/L	0.00580	0.5219	mg/L	0.00580	1.11%
	QC value within limits for Ni 231.604	Recovery = 104.37%						
P 214.914†	8053.1	4.813	mg/L	0.0482	4.813	mg/L	0.0482	1.00%
	QC value within limits for P 214.914	Recovery = 96.25%						
Pb 220.353†	5619.0	0.4793	mg/L	0.00538	0.4793	mg/L	0.00538	1.12%
	QC value within limits for Pb 220.353	Recovery = 95.87%						
Sb 206.836†	594.9	0.4991	mg/L	0.00347	0.4991	mg/L	0.00347	0.70%
	QC value within limits for Sb 206.836	Recovery = 99.83%						
Se 196.026†	1059.3	1.027	mg/L	0.0042	1.027	mg/L	0.0042	0.41%
	QC value within limits for Se 196.026	Recovery = 102.69%						
Sn 189.927†	2281.4	0.5208	mg/L	0.00431	0.5208	mg/L	0.00431	0.83%
	QC value within limits for Sn 189.927	Recovery = 104.16%						
Sr 407.771†	46845.4	0.0496	mg/L	0.00009	0.0496	mg/L	0.00009	0.19%
	QC value within limits for Sr 407.771	Recovery = 99.20%						
Ti 337.279†	342024.1	0.4819	mg/L	0.00111	0.4819	mg/L	0.00111	0.23%
	QC value within limits for Ti 337.279	Recovery = 96.38%						
Tl 190.801†	702.4	0.4810	mg/L	0.00536	0.4810	mg/L	0.00536	1.11%
	QC value within limits for Tl 190.801	Recovery = 96.21%						
V 292.402†	79958.5	0.5044	mg/L	0.00394	0.5044	mg/L	0.00394	0.78%
	QC value within limits for V 292.402	Recovery = 100.87%						
Zn 213.857†	47776.7	0.5088	mg/L	0.00340	0.5088	mg/L	0.00340	0.67%
	QC value within limits for Zn 213.857	Recovery = 101.76%						

Sequence No.: 62
 Sample ID: CCB1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 10/6/2012 8:09:03 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	11.8	5.8	0.0060 mg/L	0.0060 mg/L	20:11:02
1	Fe 234.349†	-15.9	-7.7	0.0119 mg/L	0.0119 mg/L	20:11:02
1	K 766.490†	373.5	146.5	0.2760 mg/L	0.2760 mg/L	20:10:52
1	Li 670.784†	-172.1	30.2	0.0015 mg/L	0.0015 mg/L	20:10:52
1	Na 589.592†	5307.6	4328.1	0.8092 mg/L	0.8092 mg/L	20:10:52
1	Sr 407.771†	176.3	17.8	0.0005 mg/L	0.0005 mg/L	20:10:52
1	Y 371.029	2935487.7	2935487.7	1.19 mg/L		20:11:26
1	Ag 328.068†	1438.0	-170.8	-0.0030 mg/L	-0.0030 mg/L	20:11:29
1	Al 237.313†	-129.3	18.4	-0.0054 mg/L	-0.0054 mg/L	20:11:39
1	As 188.979†	3.7	0.1	0.0018 mg/L	0.0018 mg/L	20:11:39
1	B 182.528†	4.1	0.9	0.0070 mg/L	0.0070 mg/L	20:11:39
1	Ba 233.527†	-50.3	12.0	-0.0017 mg/L	-0.0017 mg/L	20:11:39
1	Be 313.107†	-493.5	99.4	-0.0001 mg/L	-0.0001 mg/L	20:11:29
1	Ca 315.887†	633.5	382.8	-0.0126 mg/L	-0.0126 mg/L	20:11:29
1	Cd 228.802†	71.2	-2.7	-0.0001 mg/L	-0.0001 mg/L	20:11:39
1	Co 228.616†	-51.7	21.3	-0.0022 mg/L	-0.0022 mg/L	20:11:39
1	Cr 267.716†	412.3	-60.4	-0.0039 mg/L	-0.0039 mg/L	20:11:29
1	Cu 324.752†	1611.7	126.8	-0.0026 mg/L	-0.0026 mg/L	20:11:29
1	Fe 238.204†	315.3	109.3	-0.0108 mg/L	-0.0108 mg/L	20:11:39
1	Mg 279.077†	144.9	-12.7	-0.0389 mg/L	-0.0389 mg/L	20:11:29
1	Mn 257.610†	609.3	-654.1	-0.0040 mg/L	-0.0040 mg/L	20:11:39
1	Mo 202.031†	37.3	4.3	0.0000 mg/L	0.0000 mg/L	20:11:39
1	Ni 231.604†	-12.0	8.7	-0.0035 mg/L	-0.0035 mg/L	20:11:39
1	P 214.914†	364.1	-35.5	0.0067 mg/L	0.0067 mg/L	20:11:39
1	Pb 220.353†	71.2	1.9	-0.0037 mg/L	-0.0037 mg/L	20:11:39
1	Sb 206.836†	37.6	-5.1	-0.0055 mg/L	-0.0055 mg/L	20:11:39
1	Se 196.026†	3.4	2.8	0.0013 mg/L	0.0013 mg/L	20:11:39
1	Sn 189.927†	5.2	1.5	-0.0023 mg/L	-0.0023 mg/L	20:11:39
1	Ti 337.279†	-39.0	426.2	-0.0015 mg/L	-0.0015 mg/L	20:11:29
1	Tl 190.801†	3.4	0.9	-0.0038 mg/L	-0.0038 mg/L	20:11:39
1	V 292.402†	-736.7	61.4	-0.0018 mg/L	-0.0018 mg/L	20:11:29
1	Zn 213.857†	1032.3	69.9	-0.0003 mg/L	-0.0003 mg/L	20:11:39
2	B 249.677†	8.8	3.3	0.0046 mg/L	0.0046 mg/L	20:11:23
2	Fe 234.349†	-12.8	-5.1	0.0141 mg/L	0.0141 mg/L	20:11:23
2	K 766.490†	362.9	139.3	0.2721 mg/L	0.2721 mg/L	20:11:13
2	Li 670.784†	-167.9	32.9	0.0016 mg/L	0.0016 mg/L	20:11:13
2	Na 589.592†	5255.1	4309.7	0.8062 mg/L	0.8062 mg/L	20:11:13
2	Sr 407.771†	163.6	7.9	0.0005 mg/L	0.0005 mg/L	20:11:13
2	Y 371.029	2918406.1	2918406.1	1.18 mg/L		20:11:41
2	Ag 328.068†	1371.8	-219.9	-0.0034 mg/L	-0.0034 mg/L	20:11:43
2	Al 237.313†	-141.1	7.8	-0.0068 mg/L	-0.0068 mg/L	20:11:54
2	As 188.979†	2.6	-0.8	0.0007 mg/L	0.0007 mg/L	20:11:54
2	B 182.528†	2.0	-1.0	0.0035 mg/L	0.0035 mg/L	20:11:54
2	Ba 233.527†	-40.7	19.9	-0.0016 mg/L	-0.0016 mg/L	20:11:54
2	Be 313.107†	-482.1	106.7	-0.0001 mg/L	-0.0001 mg/L	20:11:43
2	Ca 315.887†	414.1	199.7	-0.0144 mg/L	-0.0144 mg/L	20:11:43
2	Cd 228.802†	76.5	2.1	0.0000 mg/L	0.0000 mg/L	20:11:54
2	Co 228.616†	-62.0	12.3	-0.0024 mg/L	-0.0024 mg/L	20:11:54
2	Cr 267.716†	446.8	-29.2	-0.0035 mg/L	-0.0035 mg/L	20:11:43
2	Cu 324.752†	1666.5	181.2	-0.0023 mg/L	-0.0023 mg/L	20:11:43
2	Fe 238.204†	356.5	145.9	-0.0105 mg/L	-0.0105 mg/L	20:11:54
2	Mg 279.077†	142.0	-14.4	-0.0391 mg/L	-0.0391 mg/L	20:11:43
2	Mn 257.610†	673.9	-596.3	-0.0039 mg/L	-0.0039 mg/L	20:11:54
2	Mo 202.031†	40.2	7.0	0.0001 mg/L	0.0001 mg/L	20:11:54
2	Ni 231.604†	-13.7	7.1	-0.0035 mg/L	-0.0035 mg/L	20:11:54
2	P 214.914†	332.7	-60.3	-0.0080 mg/L	-0.0080 mg/L	20:11:54
2	Pb 220.353†	68.4	-0.1	-0.0039 mg/L	-0.0039 mg/L	20:11:54
2	Sb 206.836†	35.6	-6.6	-0.0067 mg/L	-0.0067 mg/L	20:11:54
2	Se 196.026†	6.0	5.0	0.0033 mg/L	0.0033 mg/L	20:11:54
2	Sn 189.927†	11.2	6.6	-0.0012 mg/L	-0.0012 mg/L	20:11:54

2	Ti 337.279†	-128.9	349.8	-0.0016 mg/L	-0.0016 mg/L	20:11:43
2	Tl 190.801†	4.2	1.6	-0.0034 mg/L	-0.0034 mg/L	20:11:54
2	V 292.402†	-704.1	85.4	-0.0016 mg/L	-0.0016 mg/L	20:11:43
2	Zn 213.857†	1024.9	68.7	-0.0003 mg/L	-0.0003 mg/L	20:11:54

Mean Data: CCBl

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2926946.9	1.18 mg/L		0.005				0.41%
Ag 328.068†	-195.3	-0.0032 mg/L		0.00029	-0.0032 mg/L		0.00029	9.26%
	QC value less than the lower limit for Ag 328.068 Recovery = Not calculated							
Al 237.313†	13.1	-0.0061 mg/L		0.00097	-0.0061 mg/L		0.00097	15.82%
	QC value within limits for Al 237.313 Recovery = Not calculated							
As 188.979†	-0.3	0.0012 mg/L		0.00077	0.0012 mg/L		0.00077	63.97%
	QC value within limits for As 188.979 Recovery = Not calculated							
B 182.528†	-0.1	0.0052 mg/L		0.00249	0.0052 mg/L		0.00249	47.55%
	QC value within limits for B 182.528 Recovery = Not calculated							
B 249.677†	4.6	0.0053 mg/L		0.00104	0.0053 mg/L		0.00104	19.70%
	QC value within limits for B 249.677 Recovery = Not calculated							
Ba 233.527†	15.9	-0.0017 mg/L		0.00008	-0.0017 mg/L		0.00008	4.56%
	QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	103.0	-0.0001 mg/L		0.00000	-0.0001 mg/L		0.00000	3.06%
	QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 315.887†	291.3	-0.0135 mg/L		0.00122	-0.0135 mg/L		0.00122	9.04%
	QC value within limits for Ca 315.887 Recovery = Not calculated							
Cd 228.802†	-0.3	0.0000 mg/L		0.00012	0.0000 mg/L		0.00012	262.34%
	QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	16.8	-0.0023 mg/L		0.00016	-0.0023 mg/L		0.00016	6.90%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-44.8	-0.0037 mg/L		0.00024	-0.0037 mg/L		0.00024	6.59%
	QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	154.0	-0.0025 mg/L		0.00022	-0.0025 mg/L		0.00022	8.81%
	QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 234.349†	-6.4	0.0130 mg/L		0.00155	0.0130 mg/L		0.00155	11.90%
	QC value within limits for Fe 234.349 Recovery = Not calculated							
Fe 238.204†	127.6	-0.0106 mg/L		0.00022	-0.0106 mg/L		0.00022	2.05%
	QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	142.9	0.2741 mg/L		0.00272	0.2741 mg/L		0.00272	0.99%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated							
Li 670.784†	31.6	0.0016 mg/L		0.00006	0.0016 mg/L		0.00006	3.81%
	QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.077†	-13.5	-0.0390 mg/L		0.00011	-0.0390 mg/L		0.00011	0.27%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	-625.2	-0.0040 mg/L		0.00007	-0.0040 mg/L		0.00007	1.82%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	5.7	0.0001 mg/L		0.00010	0.0001 mg/L		0.00010	155.54%
	QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	4318.9	0.8077 mg/L		0.00212	0.8077 mg/L		0.00212	0.26%
	QC value greater than the upper limit for Na 589.592 Recovery = Not calculated							
Ni 231.604†	7.9	-0.0035 mg/L		0.00004	-0.0035 mg/L		0.00004	1.09%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated							
P 214.914†	-47.9	-0.0007 mg/L		0.01043	-0.0007 mg/L		0.01043	>999.9%
	QC value within limits for P 214.914 Recovery = Not calculated							
Pb 220.353†	0.9	-0.0038 mg/L		0.00012	-0.0038 mg/L		0.00012	3.22%
	QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-5.9	-0.0061 mg/L		0.00090	-0.0061 mg/L		0.00090	14.68%
	QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	3.9	0.0023 mg/L		0.00147	0.0023 mg/L		0.00147	64.25%
	QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	4.1	-0.0017 mg/L		0.00082	-0.0017 mg/L		0.00082	47.37%
	QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	12.8	0.0005 mg/L		0.00001	0.0005 mg/L		0.00001	1.56%
	QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 337.279†	388.0	-0.0015 mg/L		0.00008	-0.0015 mg/L		0.00008	5.08%
	QC value less than the lower limit for Ti 337.279 Recovery = Not calculated							
Tl 190.801†	1.2	-0.0036 mg/L		0.00034	-0.0036 mg/L		0.00034	9.36%
	QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	73.4	-0.0017 mg/L		0.00011	-0.0017 mg/L		0.00011	6.35%
	QC value less than the lower limit for V 292.402 Recovery = Not calculated							
Zn 213.857†	69.3	-0.0003 mg/L		0.00001	-0.0003 mg/L		0.00001	2.90%
	QC value within limits for Zn 213.857 Recovery = Not calculated							
QC Failed. Continue with analysis.								

Sequence No.: 63
Sample ID: 1210155-01SPLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 10/6/2012 8:13:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210155-01SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	971.9	804.9	0.4711 mg/L	0.4711 mg/L	20:15:15
1	Fe 234.349†	4786.8	3990.5	3.436 mg/L	3.436 mg/L	20:15:15
1	K 766.490†	21500.4	17729.3	9.733 mg/L	9.733 mg/L	20:15:15
1	Li 670.784†	5.6	180.1	0.0061 mg/L	0.0061 mg/L	20:15:15
1	Na 589.592†	263179.3	218933.3	35.91 mg/L	35.91 mg/L	20:15:12
1	Sr 407.771†	7391.1	6021.8	0.0068 mg/L	0.0068 mg/L	20:15:15
1	Y 371.029	2975557.6	2975557.6	1.20 mg/L		20:15:23
1	Ag 328.068†	1398.8	-219.8	-0.0031 mg/L	-0.0031 mg/L	20:15:25
1	Al 237.313†	43265.6	36144.0	4.658 mg/L	4.658 mg/L	20:15:25
1	As 188.979†	11.1	6.2	0.0108 mg/L	0.0108 mg/L	20:15:36
1	B 182.528†	314.4	259.0	0.5109 mg/L	0.5109 mg/L	20:15:36
1	Ba 233.527†	3589.2	3042.3	0.0402 mg/L	0.0402 mg/L	20:15:36
1	Be 313.107†	-24.7	495.3	0.0001 mg/L	0.0001 mg/L	20:15:25
1	Ca 315.887†	485636.8	404117.1	3.791 mg/L	3.791 mg/L	20:15:23
1	Cd 228.802†	76.6	0.9	0.0000 mg/L	0.0000 mg/L	20:15:36
1	Co 228.616†	22.3	83.4	-0.0012 mg/L	-0.0012 mg/L	20:15:36
1	Cr 267.716†	1053.4	468.5	0.0020 mg/L	0.0020 mg/L	20:15:25
1	Cu 324.752†	4275.1	2325.6	0.0100 mg/L	0.0100 mg/L	20:15:25
1	Fe 238.204†	460359.8	383070.2	3.226 mg/L	3.226 mg/L	20:15:23
1	Mg 279.077†	13198.5	10852.2	0.9195 mg/L	0.9195 mg/L	20:15:25
1	Mn 257.610†	38948.1	31254.1	0.0524 mg/L	0.0524 mg/L	20:15:25
1	Mo 202.031†	140.0	89.5	0.0035 mg/L	0.0035 mg/L	20:15:36
1	Ni 231.604†	111.2	111.4	0.0002 mg/L	0.0002 mg/L	20:15:36
1	P 214.914†	1740.7	1106.3	0.6938 mg/L	0.6938 mg/L	20:15:36
1	Pb 220.353†	308.2	198.4	0.0119 mg/L	0.0119 mg/L	20:15:36
1	Sb 206.836†	40.3	-3.2	-0.0054 mg/L	-0.0054 mg/L	20:15:36
1	Se 196.026†	4.6	3.8	0.0036 mg/L	0.0036 mg/L	20:15:36
1	Sn 189.927†	-11.6	-12.5	0.0045 mg/L	0.0045 mg/L	20:15:36
1	Ti 337.279†	263872.5	220120.1	0.3094 mg/L	0.3094 mg/L	20:15:23
1	Tl 190.801†	8.2	4.8	-0.0035 mg/L	-0.0035 mg/L	20:15:36
1	V 292.402†	3065.5	3235.0	0.0173 mg/L	0.0173 mg/L	20:15:25
1	Zn 213.857†	4943.8	3314.3	0.0345 mg/L	0.0345 mg/L	20:15:36
2	B 249.677†	975.1	800.9	0.4688 mg/L	0.4688 mg/L	20:15:19
2	Fe 234.349†	4715.6	3898.8	3.357 mg/L	3.357 mg/L	20:15:19
2	K 766.490†	21223.7	17353.1	9.531 mg/L	9.531 mg/L	20:15:19
2	Li 670.784†	67.7	231.4	0.0077 mg/L	0.0077 mg/L	20:15:19
2	Na 589.592†	262987.8	216966.7	35.59 mg/L	35.59 mg/L	20:15:17
2	Sr 407.771†	7198.4	5811.9	0.0066 mg/L	0.0066 mg/L	20:15:19
2	Y 371.029	3000324.7	3000324.7	1.21 mg/L		20:15:38
2	Ag 328.068†	1368.5	-254.4	-0.0034 mg/L	-0.0034 mg/L	20:15:40
2	Al 237.313†	44134.5	36564.0	4.713 mg/L	4.713 mg/L	20:15:40
2	As 188.979†	7.1	2.9	0.0066 mg/L	0.0066 mg/L	20:15:51
2	B 182.528†	315.0	257.4	0.5076 mg/L	0.5076 mg/L	20:15:51
2	Ba 233.527†	3615.4	3039.3	0.0401 mg/L	0.0401 mg/L	20:15:51
2	Be 313.107†	-18.2	500.9	0.0001 mg/L	0.0001 mg/L	20:15:40
2	Ca 315.887†	488384.3	403048.2	3.781 mg/L	3.781 mg/L	20:15:38
2	Cd 228.802†	78.0	1.6	0.0000 mg/L	0.0000 mg/L	20:15:51
2	Co 228.616†	17.5	79.3	-0.0013 mg/L	-0.0013 mg/L	20:15:51
2	Cr 267.716†	1056.1	463.6	0.0019 mg/L	0.0019 mg/L	20:15:40
2	Cu 324.752†	4349.3	2357.5	0.0102 mg/L	0.0102 mg/L	20:15:40
2	Fe 238.204†	463314.3	382346.0	3.220 mg/L	3.220 mg/L	20:15:38
2	Mg 279.077†	13503.6	11013.4	0.9337 mg/L	0.9337 mg/L	20:15:40
2	Mn 257.610†	39543.7	31478.2	0.0528 mg/L	0.0528 mg/L	20:15:40
2	Mo 202.031†	145.2	92.7	0.0037 mg/L	0.0037 mg/L	20:15:51
2	Ni 231.604†	99.1	100.6	-0.0002 mg/L	-0.0002 mg/L	20:15:51
2	P 214.914†	1724.4	1080.9	0.6785 mg/L	0.6785 mg/L	20:15:51
2	Pb 220.353†	308.7	196.7	0.0117 mg/L	0.0117 mg/L	20:15:51
2	Sb 206.836†	30.0	-12.0	-0.0128 mg/L	-0.0128 mg/L	20:15:51
2	Se 196.026†	3.1	2.5	0.0024 mg/L	0.0024 mg/L	20:15:51
2	Sn 189.927†	-39.4	-35.4	-0.0009 mg/L	-0.0009 mg/L	20:15:51
2	Ti 337.279†	261750.4	216554.9	0.3044 mg/L	0.3044 mg/L	20:15:38

2	Tl 190.801†	4.5	1.7	-0.0057 mg/L	-0.0057 mg/L	20:15:51
2	V 292.402†	3150.8	3284.3	0.0176 mg/L	0.0176 mg/L	20:15:40
2	Zn 213.857†	4925.6	3265.3	0.0340 mg/L	0.0340 mg/L	20:15:51

Mean Data: 1210155-01SPLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2987941.2	1.21	mg/L	0.007			0.59%
Ag 328.068†	-237.1	-0.0033	mg/L	0.00021	-0.0033 mg/L	0.00021	6.49%
Al 237.313†	36354.0	4.686	mg/L	0.0383	4.686 mg/L	0.0383	0.82%
As 188.979†	4.5	0.0087	mg/L	0.00298	0.0087 mg/L	0.00298	34.38%
B 182.528†	258.2	0.5093	mg/L	0.00230	0.5093 mg/L	0.00230	0.45%
B 249.677†	802.9	0.4700	mg/L	0.00166	0.4700 mg/L	0.00166	0.35%
Ba 233.527†	3040.8	0.0402	mg/L	0.00003	0.0402 mg/L	0.00003	0.07%
Be 313.107†	498.1	0.0001	mg/L	0.00000	0.0001 mg/L	0.00000	1.74%
Ca 315.887†	403582.7	3.786	mg/L	0.0071	3.786 mg/L	0.0071	0.19%
Cd 228.802†	1.2	0.0000	mg/L	0.00003	0.0000 mg/L	0.00003	146.93%
Co 228.616†	81.4	-0.0013	mg/L	0.00007	-0.0013 mg/L	0.00007	5.08%
Cr 267.716†	466.0	0.0019	mg/L	0.00004	0.0019 mg/L	0.00004	1.99%
Cu 324.752†	2341.5	0.0101	mg/L	0.00012	0.0101 mg/L	0.00012	1.23%
Fe 234.349†	3944.7	3.396	mg/L	0.0556	3.396 mg/L	0.0556	1.64%
Fe 238.204†	382708.1	3.223	mg/L	0.0043	3.223 mg/L	0.0043	0.13%
K 766.490†	17541.2	9.632	mg/L	0.1431	9.632 mg/L	0.1431	1.49%
Li 670.784†	205.7	0.0069	mg/L	0.00112	0.0069 mg/L	0.00112	16.15%
Mg 279.077†	10932.8	0.9266	mg/L	0.01005	0.9266 mg/L	0.01005	1.08%
Mn 257.610†	31366.2	0.0526	mg/L	0.00028	0.0526 mg/L	0.00028	0.53%
Mo 202.031†	91.1	0.0036	mg/L	0.00014	0.0036 mg/L	0.00014	3.94%
Na 589.592†	217950.0	35.75	mg/L	0.227	35.75 mg/L	0.227	0.64%
Ni 231.604†	106.0	0.0000	mg/L	0.00027	0.0000 mg/L	0.00027	>999.9%
P 214.914†	1093.6	0.6862	mg/L	0.01083	0.6862 mg/L	0.01083	1.58%
Pb 220.353†	197.6	0.0118	mg/L	0.00012	0.0118 mg/L	0.00012	0.98%
Sb 206.836†	-7.6	-0.0091	mg/L	0.00522	-0.0091 mg/L	0.00522	57.46%
Se 196.026†	3.1	0.0030	mg/L	0.00089	0.0030 mg/L	0.00089	29.71%
Sn 189.927†	-24.0	0.0018	mg/L	0.00382	0.0018 mg/L	0.00382	209.85%
Sr 407.771†	5916.8	0.0067	mg/L	0.00016	0.0067 mg/L	0.00016	2.34%
Ti 337.279†	218337.5	0.3069	mg/L	0.00357	0.3069 mg/L	0.00357	1.16%
Tl 190.801†	3.2	-0.0046	mg/L	0.00151	-0.0046 mg/L	0.00151	33.05%
V 292.402†	3259.6	0.0174	mg/L	0.00023	0.0174 mg/L	0.00023	1.34%
Zn 213.857†	3289.8	0.0343	mg/L	0.00037	0.0343 mg/L	0.00037	1.08%

Sequence No.: 64

Sample ID: ~~CJ20603-DUP1~~ 1012170-01SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 60

Date Collected: 10/6/2012 8:17:28 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ~~CJ20603-DUP1~~ 1012170-01SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	509.3	414.2	0.2437 mg/L	0.2437 mg/L	20:19:19
1	Fe 234.349†	233.9	197.9	0.1862 mg/L	0.1862 mg/L	20:19:19
1	K 766.490†	40648.1	33222.3	18.07 mg/L	18.07 mg/L	20:19:09
1	Li 670.784†	-136.3	63.5	0.0025 mg/L	0.0025 mg/L	20:19:09
1	Na 589.592†	30857.8	25198.0	4.223 mg/L	4.223 mg/L	20:19:09
1	Sr 407.771†	8432.9	6796.4	0.0076 mg/L	0.0076 mg/L	20:19:09
1	Y 371.029	3015347.1	3015347.1	1.22 mg/L		20:19:35
1	Ag 328.068†	1385.9	-245.7	-0.0036 mg/L	-0.0036 mg/L	20:19:38
1	Al 237.313†	1016.8	962.7	0.1165 mg/L	0.1165 mg/L	20:19:48
1	As 188.979†	2.7	-0.8	0.0008 mg/L	0.0008 mg/L	20:19:48
1	B 182.528†	151.8	122.0	0.2435 mg/L	0.2435 mg/L	20:19:48
1	Ba 233.527†	3103.2	2603.6	0.0341 mg/L	0.0341 mg/L	20:19:48
1	Be 313.107†	-531.4	79.3	-0.0001 mg/L	-0.0001 mg/L	20:19:38
1	Ca 315.887†	284208.2	233315.7	2.182 mg/L	2.182 mg/L	20:19:35
1	Cd 228.802†	76.7	0.2	0.0000 mg/L	0.0000 mg/L	20:19:48
1	Co 228.616†	-54.7	20.0	-0.0022 mg/L	-0.0022 mg/L	20:19:48
1	Cr 267.716†	530.4	27.3	-0.0029 mg/L	-0.0029 mg/L	20:19:38
1	Cu 324.752†	2635.3	931.6	0.0019 mg/L	0.0019 mg/L	20:19:38
1	Fe 238.204†	22770.5	18548.5	0.1451 mg/L	0.1451 mg/L	20:19:38
1	Mg 279.077†	10789.4	8728.2	0.7322 mg/L	0.7322 mg/L	20:19:38
1	Mn 257.610†	52111.6	41639.7	0.0707 mg/L	0.0707 mg/L	20:19:38

1	Mo 202.031†	40.5	6.1	0.0000 mg/L	0.0000 mg/L	20:19:48
1	Ni 231.604†	56.0	64.8	-0.0015 mg/L	-0.0015 mg/L	20:19:48
1	P 214.914†	957.6	443.9	0.2923 mg/L	0.2923 mg/L	20:19:48
1	Pb 220.353†	64.4	-5.2	-0.0044 mg/L	-0.0044 mg/L	20:19:48
1	Sb 206.836†	35.0	-8.1	-0.0080 mg/L	-0.0080 mg/L	20:19:48
1	Se 196.026†	5.0	4.1	0.0025 mg/L	0.0025 mg/L	20:19:48
1	Sn 189.927†	-21.7	-20.7	-0.0068 mg/L	-0.0068 mg/L	20:19:48
1	Ti 337.279†	1641.3	1807.4	0.0005 mg/L	0.0005 mg/L	20:19:38
1	Tl 190.801†	3.0	0.5	-0.0042 mg/L	-0.0042 mg/L	20:19:48
1	V 292.402†	-641.1	156.4	-0.0012 mg/L	-0.0012 mg/L	20:19:38
1	Zn 213.857†	4356.3	2777.4	0.0288 mg/L	0.0288 mg/L	20:19:48
2	B 249.677†	509.2	412.9	0.2430 mg/L	0.2430 mg/L	20:19:32
2	Fe 234.349†	229.5	193.7	0.1825 mg/L	0.1825 mg/L	20:19:32
2	K 766.490†	41124.2	33511.0	18.22 mg/L	18.22 mg/L	20:19:22
2	Li 670.784†	-33.8	147.8	0.0051 mg/L	0.0051 mg/L	20:19:22
2	Na 589.592†	31215.7	25414.3	4.258 mg/L	4.258 mg/L	20:19:22
2	Sr 407.771†	8502.7	6832.5	0.0076 mg/L	0.0076 mg/L	20:19:22
2	Y 371.029	3024515.3	3024515.3	1.22 mg/L	1.22 mg/L	20:19:50
2	Ag 328.068†	1407.7	-231.3	-0.0035 mg/L	-0.0035 mg/L	20:19:52
2	Al 237.313†	992.9	940.7	0.1136 mg/L	0.1136 mg/L	20:20:03
2	As 188.979†	-1.4	-4.1	-0.0035 mg/L	-0.0035 mg/L	20:20:03
2	B 182.528†	156.1	125.2	0.2496 mg/L	0.2496 mg/L	20:20:03
2	Ba 233.527†	3124.1	2613.0	0.0343 mg/L	0.0343 mg/L	20:20:03
2	Be 313.107†	-517.4	92.1	-0.0001 mg/L	-0.0001 mg/L	20:19:52
2	Ca 315.887†	287124.3	234996.2	2.197 mg/L	2.197 mg/L	20:19:50
2	Cd 228.802†	83.5	5.5	0.0002 mg/L	0.0002 mg/L	20:20:03
2	Co 228.616†	-79.3	-0.1	-0.0027 mg/L	-0.0027 mg/L	20:20:03
2	Cr 267.716†	493.8	-3.9	-0.0032 mg/L	-0.0032 mg/L	20:19:52
2	Cu 324.752†	2621.4	913.7	0.0018 mg/L	0.0018 mg/L	20:19:52
2	Fe 238.204†	22517.3	18284.4	0.1428 mg/L	0.1428 mg/L	20:19:52
2	Mg 279.077†	10627.5	8568.8	0.7182 mg/L	0.7182 mg/L	20:19:52
2	Mn 257.610†	51750.3	41214.1	0.0700 mg/L	0.0700 mg/L	20:19:52
2	Mo 202.031†	61.7	23.4	0.0010 mg/L	0.0010 mg/L	20:20:03
2	Ni 231.604†	55.2	64.0	-0.0015 mg/L	-0.0015 mg/L	20:20:03
2	P 214.914†	977.3	457.7	0.3004 mg/L	0.3004 mg/L	20:20:03
2	Pb 220.353†	79.0	6.6	-0.0034 mg/L	-0.0034 mg/L	20:20:03
2	Sb 206.836†	37.1	-6.4	-0.0067 mg/L	-0.0067 mg/L	20:20:03
2	Se 196.026†	-3.6	-3.0	-0.0043 mg/L	-0.0043 mg/L	20:20:03
2	Sn 189.927†	-10.2	-11.2	-0.0047 mg/L	-0.0047 mg/L	20:20:03
2	Ti 337.279†	1631.9	1795.6	0.0005 mg/L	0.0005 mg/L	20:19:52
2	Tl 190.801†	6.8	3.6	-0.0021 mg/L	-0.0021 mg/L	20:20:03
2	V 292.402†	-730.6	84.7	-0.0017 mg/L	-0.0017 mg/L	20:19:52
2	Zn 213.857†	4370.5	2778.2	0.0288 mg/L	0.0288 mg/L	20:20:03

Mean Data: ~~CJ20603-DUP1~~ 1012170-01SPLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3019931.2	1.22	mg/L	0.003				0.21%
Ag 328.068†	-238.5	-0.0035	mg/L	0.00009	-0.0035	mg/L	0.00009	2.44%
Al 237.313†	951.7	0.1151	mg/L	0.00202	0.1151	mg/L	0.00202	1.75%
As 188.979†	-2.4	-0.0014	mg/L	0.00298	-0.0014	mg/L	0.00298	219.60%
B 182.528†	123.6	0.2465	mg/L	0.00432	0.2465	mg/L	0.00432	1.75%
B 249.677†	413.5	0.2433	mg/L	0.00055	0.2433	mg/L	0.00055	0.23%
Ba 233.527†	2608.3	0.0342	mg/L	0.00009	0.0342	mg/L	0.00009	0.27%
Be 313.107†	85.7	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	4.81%
Ca 315.887†	234155.9	2.190	mg/L	0.0112	2.190	mg/L	0.0112	0.51%
Cd 228.802†	2.8	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	192.10%
Co 228.616†	10.0	-0.0025	mg/L	0.00036	-0.0025	mg/L	0.00036	14.28%
Cr 267.716†	11.7	-0.0031	mg/L	0.00024	-0.0031	mg/L	0.00024	7.89%
Cu 324.752†	922.6	0.0019	mg/L	0.00007	0.0019	mg/L	0.00007	3.82%
Fe 234.349†	195.8	0.1843	mg/L	0.00259	0.1843	mg/L	0.00259	1.40%
Fe 238.204†	18416.5	0.1439	mg/L	0.00158	0.1439	mg/L	0.00158	1.10%
K 766.490†	33366.7	18.14	mg/L	0.110	18.14	mg/L	0.110	0.61%
Li 670.784†	105.6	0.0038	mg/L	0.00184	0.0038	mg/L	0.00184	47.88%
Mg 279.077†	8648.5	0.7252	mg/L	0.00994	0.7252	mg/L	0.00994	1.37%
Mn 257.610†	41426.9	0.0704	mg/L	0.00053	0.0704	mg/L	0.00053	0.76%
Mo 202.031†	14.8	0.0005	mg/L	0.00065	0.0005	mg/L	0.00065	132.63%
Na 589.592†	25306.2	4.241	mg/L	0.0250	4.241	mg/L	0.0250	0.59%
Ni 231.604†	64.4	-0.0015	mg/L	0.00002	-0.0015	mg/L	0.00002	1.29%
P 214.914†	450.8	0.2963	mg/L	0.00579	0.2963	mg/L	0.00579	1.95%
Pb 220.353†	0.7	-0.0039	mg/L	0.00072	-0.0039	mg/L	0.00072	18.46%
Sb 206.836†	-7.2	-0.0074	mg/L	0.00098	-0.0074	mg/L	0.00098	13.29%

Se 196.026†	0.5	-0.0009 mg/L	0.00484	-0.0009 mg/L	0.00484	534.96%
Sn 189.927†	-16.0	-0.0058 mg/L	0.00152	-0.0058 mg/L	0.00152	26.32%
Sr 407.771†	6814.5	0.0076 mg/L	0.00003	0.0076 mg/L	0.00003	0.35%
Ti 337.279†	1801.5	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	2.38%
Tl 190.801†	2.0	-0.0031 mg/L	0.00153	-0.0031 mg/L	0.00153	48.50%
V 292.402†	120.6	-0.0014 mg/L	0.00031	-0.0014 mg/L	0.00031	21.84%
Zn 213.857†	2777.8	0.0288 mg/L	0.00001	0.0288 mg/L	0.00001	0.02%

Sequence No.: 65
Sample ID: ~~CJ20603-MS1~~ CJ20603-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 10/6/2012 8:21:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ~~CJ20603-MS1~~ CJ20603-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	490.6	407.2	0.2397	mg/L	0.2397	mg/L	20:23:32
1	Fe 234.349†	219.5	189.8	0.1791	mg/L	0.1791	mg/L	20:23:32
1	K 766.490†	40624.8	33895.8	18.43	mg/L	18.43	mg/L	20:23:22
1	Li 670.784†	-143.6	55.0	0.0023	mg/L	0.0023	mg/L	20:23:22
1	Na 589.592†	30767.6	25648.5	4.297	mg/L	4.297	mg/L	20:23:22
1	Sr 407.771†	8310.0	6837.1	0.0076	mg/L	0.0076	mg/L	20:23:22
1	Y 371.029	2954040.0	2954040.0	1.19	mg/L			20:23:48
1	Ag 328.068†	1420.4	-193.2	-0.0032	mg/L	-0.0032	mg/L	20:23:51
1	Al 237.313†	1108.4	1056.9	0.1287	mg/L	0.1287	mg/L	20:24:01
1	As 188.979†	-0.4	-3.3	-0.0024	mg/L	-0.0024	mg/L	20:24:01
1	B 182.528†	151.7	124.5	0.2484	mg/L	0.2484	mg/L	20:24:01
1	Ba 233.527†	3189.6	2728.9	0.0359	mg/L	0.0359	mg/L	20:24:01
1	Be 313.107†	-520.8	79.2	-0.0001	mg/L	-0.0001	mg/L	20:23:51
1	Ca 315.887†	286684.5	240237.4	2.247	mg/L	2.247	mg/L	20:23:48
1	Cd 228.802†	79.2	3.6	0.0001	mg/L	0.0001	mg/L	20:24:01
1	Co 228.616†	-67.6	8.2	-0.0025	mg/L	-0.0025	mg/L	20:24:01
1	Cr 267.716†	554.5	56.6	-0.0026	mg/L	-0.0026	mg/L	20:23:51
1	Cu 324.752†	2676.1	1010.7	0.0024	mg/L	0.0024	mg/L	20:23:51
1	Fe 238.204†	22464.6	18680.2	0.1462	mg/L	0.1462	mg/L	20:23:51
1	Mg 279.077†	10819.8	8937.6	0.7507	mg/L	0.7507	mg/L	20:23:51
1	Mn 257.610†	53864.1	43997.6	0.0749	mg/L	0.0749	mg/L	20:23:51
1	Mo 202.031†	48.1	13.2	0.0004	mg/L	0.0004	mg/L	20:24:01
1	Ni 231.604†	35.1	48.3	-0.0021	mg/L	-0.0021	mg/L	20:24:01
1	P 214.914†	1006.5	501.2	0.3263	mg/L	0.3263	mg/L	20:24:01
1	Pb 220.353†	77.5	6.8	-0.0034	mg/L	-0.0034	mg/L	20:24:01
1	Sb 206.836†	42.4	-1.3	-0.0023	mg/L	-0.0023	mg/L	20:24:01
1	Se 196.026†	6.5	5.4	0.0038	mg/L	0.0038	mg/L	20:24:01
1	Sn 189.927†	-25.4	-24.2	-0.0076	mg/L	-0.0076	mg/L	20:24:01
1	Ti 337.279†	1690.3	1876.5	0.0006	mg/L	0.0006	mg/L	20:23:51
1	Tl 190.801†	0.8	-1.4	-0.0055	mg/L	-0.0055	mg/L	20:24:01
1	V 292.402†	-611.9	170.0	-0.0011	mg/L	-0.0011	mg/L	20:23:51
1	Zn 213.857†	4538.7	3004.6	0.0312	mg/L	0.0312	mg/L	20:24:01
2	B 249.677†	485.2	400.1	0.2355	mg/L	0.2355	mg/L	20:23:45
2	Fe 234.349†	230.9	198.1	0.1863	mg/L	0.1863	mg/L	20:23:45
2	K 766.490†	40514.2	33585.4	18.26	mg/L	18.26	mg/L	20:23:35
2	Li 670.784†	-147.6	52.5	0.0022	mg/L	0.0022	mg/L	20:23:35
2	Na 589.592†	30793.9	25505.2	4.273	mg/L	4.273	mg/L	20:23:35
2	Sr 407.771†	8298.5	6782.9	0.0076	mg/L	0.0076	mg/L	20:23:35
2	Y 371.029	2973081.6	2973081.6	1.20	mg/L			20:24:03
2	Ag 328.068†	1385.3	-230.1	-0.0035	mg/L	-0.0035	mg/L	20:24:05
2	Al 237.313†	1086.4	1032.6	0.1255	mg/L	0.1255	mg/L	20:24:16
2	As 188.979†	-5.2	-7.3	-0.0074	mg/L	-0.0074	mg/L	20:24:16
2	B 182.528†	151.6	123.7	0.2467	mg/L	0.2467	mg/L	20:24:16
2	Ba 233.527†	3144.7	2674.4	0.0351	mg/L	0.0351	mg/L	20:24:16
2	Be 313.107†	-466.8	126.9	-0.0001	mg/L	-0.0001	mg/L	20:24:05
2	Ca 315.887†	287686.3	239532.4	2.240	mg/L	2.240	mg/L	20:24:03
2	Cd 228.802†	72.9	-2.1	-0.0001	mg/L	-0.0001	mg/L	20:24:16
2	Co 228.616†	-51.6	21.9	-0.0022	mg/L	-0.0022	mg/L	20:24:16
2	Cr 267.716†	525.3	29.3	-0.0029	mg/L	-0.0029	mg/L	20:24:05
2	Cu 324.752†	2655.9	979.5	0.0022	mg/L	0.0022	mg/L	20:24:05
2	Fe 238.204†	22179.6	18322.1	0.1431	mg/L	0.1431	mg/L	20:24:05
2	Mg 279.077†	10770.9	8838.8	0.7420	mg/L	0.7420	mg/L	20:24:05
2	Mn 257.610†	53565.0	43459.1	0.0740	mg/L	0.0740	mg/L	20:24:05
2	Mo 202.031†	61.4	24.1	0.0010	mg/L	0.0010	mg/L	20:24:16

2	Ni 231.604†	43.7	55.2	-0.0018 mg/L	-0.0018 mg/L	20:24:16
2	P 214.914†	995.0	486.2	0.3174 mg/L	0.3174 mg/L	20:24:16
2	Pb 220.353†	54.0	-13.2	-0.0051 mg/L	-0.0051 mg/L	20:24:16
2	Sb 206.836†	39.4	-3.9	-0.0046 mg/L	-0.0046 mg/L	20:24:16
2	Se 196.026†	1.1	0.8	-0.0006 mg/L	-0.0006 mg/L	20:24:16
2	Sn 189.927†	-15.6	-15.8	-0.0057 mg/L	-0.0057 mg/L	20:24:16
2	Ti 337.279†	1711.1	1884.8	0.0006 mg/L	0.0006 mg/L	20:24:05
2	Tl 190.801†	3.5	0.9	-0.0039 mg/L	-0.0039 mg/L	20:24:16
2	V 292.402†	-633.1	155.6	-0.0012 mg/L	-0.0012 mg/L	20:24:05
2	Zn 213.857†	4524.7	2968.6	0.0308 mg/L	0.0308 mg/L	20:24:16

Mean Data: ~~CJ20603-MS1~~ CJ20623-DUP1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2963560.8	1.20	mg/L	0.005			0.45%
Ag 328.068†	-211.6	-0.0033	mg/L	0.00022	-0.0033 mg/L	0.00022	6.70%
Al 237.313†	1044.8	0.1271	mg/L	0.00222	0.1271 mg/L	0.00222	1.74%
As 188.979†	-5.3	-0.0049	mg/L	0.00354	-0.0049 mg/L	0.00354	71.86%
B 182.528†	124.1	0.2475	mg/L	0.00122	0.2475 mg/L	0.00122	0.49%
B 249.677†	403.7	0.2376	mg/L	0.00292	0.2376 mg/L	0.00292	1.23%
Ba 233.527†	2701.7	0.0355	mg/L	0.00053	0.0355 mg/L	0.00053	1.50%
Be 313.107†	103.0	-0.0001	mg/L	0.00002	-0.0001 mg/L	0.00002	19.88%
Ca 315.887†	239884.9	2.244	mg/L	0.0047	2.244 mg/L	0.0047	0.21%
Cd 228.802†	0.7	0.0000	mg/L	0.00013	0.0000 mg/L	0.00013	728.88%
Co 228.616†	15.0	-0.0024	mg/L	0.00024	-0.0024 mg/L	0.00024	10.37%
Cr 267.716†	43.0	-0.0027	mg/L	0.00021	-0.0027 mg/L	0.00021	7.77%
Cu 324.752†	995.1	0.0023	mg/L	0.00012	0.0023 mg/L	0.00012	5.44%
Fe 234.349†	194.0	0.1827	mg/L	0.00506	0.1827 mg/L	0.00506	2.77%
Fe 238.204†	18501.1	0.1447	mg/L	0.00214	0.1447 mg/L	0.00214	1.48%
K 766.490†	33740.6	18.35	mg/L	0.118	18.35 mg/L	0.118	0.64%
Li 670.784†	53.8	0.0022	mg/L	0.00006	0.0022 mg/L	0.00006	2.49%
Mg 279.077†	8888.2	0.7464	mg/L	0.00617	0.7464 mg/L	0.00617	0.83%
Mn 257.610†	43728.4	0.0744	mg/L	0.00067	0.0744 mg/L	0.00067	0.90%
Mo 202.031†	18.6	0.0007	mg/L	0.00041	0.0007 mg/L	0.00041	58.67%
Na 589.592†	25576.8	4.285	mg/L	0.0166	4.285 mg/L	0.0166	0.39%
Ni 231.604†	51.7	-0.0019	mg/L	0.00017	-0.0019 mg/L	0.00017	8.96%
P 214.914†	493.7	0.3219	mg/L	0.00630	0.3219 mg/L	0.00630	1.96%
Pb 220.353†	-3.2	-0.0042	mg/L	0.00122	-0.0042 mg/L	0.00122	28.81%
Sb 206.836†	-2.6	-0.0034	mg/L	0.00159	-0.0034 mg/L	0.00159	46.00%
Se 196.026†	3.1	0.0016	mg/L	0.00315	0.0016 mg/L	0.00315	196.54%
Sn 189.927†	-20.0	-0.0067	mg/L	0.00135	-0.0067 mg/L	0.00135	20.19%
Sr 407.771†	6810.0	0.0076	mg/L	0.00004	0.0076 mg/L	0.00004	0.53%
Ti 337.279†	1880.6	0.0006	mg/L	0.00001	0.0006 mg/L	0.00001	1.37%
Tl 190.801†	-0.2	-0.0047	mg/L	0.00111	-0.0047 mg/L	0.00111	23.53%
V 292.402†	162.8	-0.0012	mg/L	0.00006	-0.0012 mg/L	0.00006	5.38%
Zn 213.857†	2986.6	0.0310	mg/L	0.00027	0.0310 mg/L	0.00027	0.89%

Sequence No.: 66

Sample ID: ~~CJ20603-SD1 @5~~ CJ20623-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 62

Date Collected: 10/6/2012 8:25:53 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: ~~CJ20603-SD1 @5~~ CJ20623-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1654.2	1362.1	0.7946 mg/L	0.7946 mg/L	20:27:35
1	Fe 234.349†	3892.0	3220.3	2.765 mg/L	2.765 mg/L	20:27:35
1	K 766.490†	95287.3	78532.9	42.44 mg/L	42.44 mg/L	20:27:33
1	Li 670.784†	18972.2	15845.3	0.4900 mg/L	0.4900 mg/L	20:27:35
1	Na 589.592†	233377.0	192605.0	31.61 mg/L	31.61 mg/L	20:27:33
1	Sr 407.771†	63950.2	52688.1	0.0557 mg/L	0.0557 mg/L	20:27:33
1	Y 371.029	2999012.6	2999012.6	1.21 mg/L		20:27:44
1	Ag 328.068†	36854.9	29055.7	0.2460 mg/L	0.2460 mg/L	20:27:46
1	Al 237.313†	22828.6	18982.6	2.448 mg/L	2.448 mg/L	20:27:46
1	As 188.979†	468.1	383.6	0.4806 mg/L	0.4806 mg/L	20:27:56
1	B 182.528†	507.7	416.7	0.8185 mg/L	0.8185 mg/L	20:27:56
1	Ba 233.527†	47259.2	39087.7	0.5387 mg/L	0.5387 mg/L	20:27:46
1	Be 313.107†	98763.3	82088.5	0.0489 mg/L	0.0489 mg/L	20:27:46
1	Ca 315.887†	957174.0	790417.0	7.432 mg/L	7.432 mg/L	20:27:44

1	Cd	228.802†	8182.9	6695.8	0.2351 mg/L	0.2351 mg/L	20:27:56
1	Co	228.616†	23586.1	19545.6	0.4873 mg/L	0.4873 mg/L	20:27:46
1	Cr	267.716†	54873.0	44913.5	0.4920 mg/L	0.4920 mg/L	20:27:46
1	Cu	324.752†	111537.2	90889.8	0.5089 mg/L	0.5089 mg/L	20:27:46
1	Fe	238.204†	365062.5	301363.2	2.536 mg/L	2.536 mg/L	20:27:46
1	Mg	279.077†	77576.6	63938.8	5.603 mg/L	5.603 mg/L	20:27:46
1	Mn	257.610†	399412.2	328722.5	0.5785 mg/L	0.5785 mg/L	20:27:44
1	Mo	202.031†	11102.6	9143.0	0.4860 mg/L	0.4860 mg/L	20:27:56
1	Ni	231.604†	16678.0	13793.9	0.4858 mg/L	0.4858 mg/L	20:27:46
1	P	214.914†	10628.3	8435.6	5.040 mg/L	5.040 mg/L	20:27:56
1	Pb	220.353†	6791.6	5551.3	0.4735 mg/L	0.4735 mg/L	20:27:56
1	Sb	206.836†	728.4	564.8	0.4737 mg/L	0.4737 mg/L	20:27:56
1	Se	196.026†	1197.3	988.9	0.9586 mg/L	0.9586 mg/L	20:27:56
1	Sn	189.927†	2731.3	2253.0	0.5148 mg/L	0.5148 mg/L	20:27:56
1	Ti	337.279†	421453.1	348554.4	0.4912 mg/L	0.4912 mg/L	20:27:44
1	Tl	190.801†	834.0	686.8	0.4701 mg/L	0.4701 mg/L	20:27:56
1	V	292.402†	94991.5	79140.4	0.4992 mg/L	0.4992 mg/L	20:27:46
1	Zn	213.857†	60857.6	49463.6	0.5271 mg/L	0.5271 mg/L	20:27:46
2	B	249.677†	1672.9	1391.7	0.8118 mg/L	0.8118 mg/L	20:27:39
2	Fe	234.349†	3968.4	3317.0	2.848 mg/L	2.848 mg/L	20:27:39
2	K	766.490†	94918.3	79031.1	42.71 mg/L	42.71 mg/L	20:27:37
2	Li	670.784†	19406.5	16368.3	0.5062 mg/L	0.5062 mg/L	20:27:39
2	Na	589.592†	233087.4	194337.6	31.89 mg/L	31.89 mg/L	20:27:37
2	Sr	407.771†	63664.5	52990.7	0.0560 mg/L	0.0560 mg/L	20:27:37
2	Y	371.029	2968606.0	2968606.0	1.20 mg/L	1.20 mg/L	20:27:59
2	Ag	328.068†	36787.0	29310.9	0.2482 mg/L	0.2482 mg/L	20:28:01
2	Al	237.313†	22873.4	19213.1	2.478 mg/L	2.478 mg/L	20:28:01
2	As	188.979†	465.7	385.5	0.4830 mg/L	0.4830 mg/L	20:28:11
2	B	182.528†	512.3	424.8	0.8344 mg/L	0.8344 mg/L	20:28:11
2	Ba	233.527†	47246.3	39476.7	0.5441 mg/L	0.5441 mg/L	20:28:01
2	Be	313.107†	98872.5	83015.1	0.0495 mg/L	0.0495 mg/L	20:28:01
2	Ca	315.887†	946362.7	789493.6	7.424 mg/L	7.424 mg/L	20:27:59
2	Cd	228.802†	8230.6	6804.8	0.2389 mg/L	0.2389 mg/L	20:28:11
2	Co	228.616†	23662.4	19808.8	0.4939 mg/L	0.4939 mg/L	20:28:01
2	Cr	267.716†	54998.4	45482.3	0.4983 mg/L	0.4983 mg/L	20:28:01
2	Cu	324.752†	111589.8	91877.4	0.5144 mg/L	0.5144 mg/L	20:28:01
2	Fe	238.204†	365431.9	304759.8	2.565 mg/L	2.565 mg/L	20:28:01
2	Mg	279.077†	77445.1	64485.3	5.651 mg/L	5.651 mg/L	20:28:01
2	Mn	257.610†	395316.7	328684.2	0.5784 mg/L	0.5784 mg/L	20:27:59
2	Mo	202.031†	11166.6	9290.3	0.4938 mg/L	0.4938 mg/L	20:28:11
2	Ni	231.604†	16676.5	13933.7	0.4908 mg/L	0.4908 mg/L	20:28:01
2	P	214.914†	10704.0	8588.7	5.131 mg/L	5.131 mg/L	20:28:11
2	Pb	220.353†	6769.5	5590.3	0.4768 mg/L	0.4768 mg/L	20:28:11
2	Sb	206.836†	725.4	568.5	0.4768 mg/L	0.4768 mg/L	20:28:11
2	Se	196.026†	1199.6	1000.9	0.9703 mg/L	0.9703 mg/L	20:28:11
2	Sn	189.927†	2748.9	2290.8	0.5236 mg/L	0.5236 mg/L	20:28:11
2	Ti	337.279†	417313.0	348665.2	0.4913 mg/L	0.4913 mg/L	20:27:59
2	Tl	190.801†	838.3	697.5	0.4775 mg/L	0.4775 mg/L	20:28:11
2	V	292.402†	94959.1	79916.9	0.5041 mg/L	0.5041 mg/L	20:28:01
2	Zn	213.857†	60753.2	49891.3	0.5317 mg/L	0.5317 mg/L	20:28:01

Mean Data: ~~CJ20603-SD1-05~~ CJ20603-MS1

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		
	Intensity	Conc.			Units	Std.Dev.	RSD
Y 371.029	2983809.3	1.20	mg/L	0.009			0.72%
Ag 328.068†	29183.3	0.2471	mg/L	0.00154	0.2471	mg/L	0.62%
Al 237.313†	19097.8	2.463	mg/L	0.0211	2.463	mg/L	0.86%
As 188.979†	384.6	0.4818	mg/L	0.00172	0.4818	mg/L	0.36%
B 182.528†	420.7	0.8264	mg/L	0.01120	0.8264	mg/L	1.36%
B 249.677†	1376.9	0.8032	mg/L	0.01216	0.8032	mg/L	1.51%
Ba 233.527†	39282.2	0.5414	mg/L	0.00380	0.5414	mg/L	0.70%
Be 313.107†	82551.8	0.0492	mg/L	0.00039	0.0492	mg/L	0.80%
Ca 315.887†	789955.3	7.428	mg/L	0.0061	7.428	mg/L	0.08%
Cd 228.802†	6750.3	0.2370	mg/L	0.00272	0.2370	mg/L	1.15%
Co 228.616†	19677.2	0.4906	mg/L	0.00468	0.4906	mg/L	0.95%
Cr 267.716†	45197.9	0.4951	mg/L	0.00444	0.4951	mg/L	0.90%
Cu 324.752†	91383.6	0.5116	mg/L	0.00393	0.5116	mg/L	0.77%
Fe 234.349†	3268.7	2.807	mg/L	0.0586	2.807	mg/L	2.09%
Fe 238.204†	303061.5	2.550	mg/L	0.0203	2.550	mg/L	0.80%
K 766.490†	78782.0	42.57	mg/L	0.189	42.57	mg/L	0.45%
Li 670.784†	16106.8	0.4981	mg/L	0.01142	0.4981	mg/L	2.29%
Mg 279.077†	64212.0	5.627	mg/L	0.0341	5.627	mg/L	0.61%

Mn 257.610†	328703.3	0.5784 mg/L	0.00005	0.5784 mg/L	0.00005	0.01%
Mo 202.031†	9216.6	0.4899 mg/L	0.00553	0.4899 mg/L	0.00553	1.13%
Na 589.592†	193471.3	31.75 mg/L	0.200	31.75 mg/L	0.200	0.63%
Ni 231.604†	13863.8	0.4883 mg/L	0.00351	0.4883 mg/L	0.00351	0.72%
P 214.914†	8512.1	5.086 mg/L	0.0644	5.086 mg/L	0.0644	1.27%
Pb 220.353†	5570.8	0.4752 mg/L	0.00237	0.4752 mg/L	0.00237	0.50%
Sb 206.836†	566.6	0.4753 mg/L	0.00216	0.4753 mg/L	0.00216	0.45%
Se 196.026†	994.9	0.9645 mg/L	0.00827	0.9645 mg/L	0.00827	0.86%
Sn 189.927†	2271.9	0.5192 mg/L	0.00621	0.5192 mg/L	0.00621	1.20%
Sr 407.771†	52839.4	0.0559 mg/L	0.00022	0.0559 mg/L	0.00022	0.40%
Ti 337.279†	348609.8	0.4912 mg/L	0.00011	0.4912 mg/L	0.00011	0.02%
Tl 190.801†	692.2	0.4738 mg/L	0.00522	0.4738 mg/L	0.00522	1.10%
V 292.402†	79528.7	0.5017 mg/L	0.00350	0.5017 mg/L	0.00350	0.70%
Zn 213.857†	49677.5	0.5294 mg/L	0.00323	0.5294 mg/L	0.00323	0.61%

Sequence No.: 67
Sample ID: ~~CJ20603-PDS1~~ CJ20603-SD1 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 10/6/2012 8:29:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ~~CJ20603-PDS1~~ CJ20603-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	106.5	81.4	0.0500 mg/L		0.0500 mg/L	20:31:49
1	Fe 234.349†	38.1	36.4	0.0492 mg/L		0.0492 mg/L	20:31:49
1	K 766.490†	9081.2	7130.3	4.032 mg/L		4.032 mg/L	20:31:39
1	Li 670.784†	-171.4	37.7	0.0017 mg/L		0.0017 mg/L	20:31:39
1	Na 589.592†	10021.9	7904.5	1.394 mg/L		1.394 mg/L	20:31:39
1	Sr 407.771†	1894.9	1392.1	0.0019 mg/L		0.0019 mg/L	20:31:39
1	Y 371.029	3081813.9	3081813.9	1.24 mg/L			20:32:13
1	Ag 328.068†	1367.6	-285.0	-0.0039 mg/L		-0.0039 mg/L	20:32:16
1	Al 237.313†	118.8	223.0	0.0210 mg/L		0.0210 mg/L	20:32:26
1	As 188.979†	2.4	-1.1	0.0003 mg/L		0.0003 mg/L	20:32:26
1	B 182.528†	34.0	24.7	0.0534 mg/L		0.0534 mg/L	20:32:26
1	Ba 233.527†	627.3	558.6	0.0058 mg/L		0.0058 mg/L	20:32:26
1	Be 313.107†	-481.4	128.9	-0.0001 mg/L		-0.0001 mg/L	20:32:16
1	Ca 315.887†	62460.4	50050.7	0.4553 mg/L		0.4553 mg/L	20:32:16
1	Cd 228.802†	68.8	-7.5	-0.0003 mg/L		-0.0003 mg/L	20:32:26
1	Co 228.616†	-55.3	20.4	-0.0022 mg/L		-0.0022 mg/L	20:32:26
1	Cr 267.716†	478.2	-24.0	-0.0035 mg/L		-0.0035 mg/L	20:32:16
1	Cu 324.752†	1761.5	182.5	-0.0023 mg/L		-0.0023 mg/L	20:32:16
1	Fe 238.204†	5413.6	4194.5	0.0237 mg/L		0.0237 mg/L	20:32:16
1	Mg 279.077†	2456.9	1839.8	0.1245 mg/L		0.1245 mg/L	20:32:16
1	Mn 257.610†	13931.2	10029.0	0.0149 mg/L		0.0149 mg/L	20:32:16
1	Mo 202.031†	36.1	1.9	-0.0001 mg/L		-0.0001 mg/L	20:32:26
1	Ni 231.604†	7.1	24.5	-0.0029 mg/L		-0.0029 mg/L	20:32:26
1	P 214.914†	470.4	35.4	0.0490 mg/L		0.0490 mg/L	20:32:26
1	Pb 220.353†	59.3	-10.4	-0.0048 mg/L		-0.0048 mg/L	20:32:26
1	Sb 206.836†	35.3	-8.4	-0.0083 mg/L		-0.0083 mg/L	20:32:26
1	Se 196.026†	7.1	5.7	0.0040 mg/L		0.0040 mg/L	20:32:26
1	Sn 189.927†	-4.0	-6.1	-0.0039 mg/L		-0.0039 mg/L	20:32:26
1	Ti 337.279†	140.3	571.9	-0.0012 mg/L		-0.0012 mg/L	20:32:16
1	Tl 190.801†	4.4	1.5	-0.0034 mg/L		-0.0034 mg/L	20:32:26
1	V 292.402†	-650.9	159.9	-0.0012 mg/L		-0.0012 mg/L	20:32:16
1	Zn 213.857†	3699.7	2172.5	0.0223 mg/L		0.0223 mg/L	20:32:26
2	B 249.677†	107.4	81.9	0.0503 mg/L		0.0503 mg/L	20:32:10
2	Fe 234.349†	51.1	46.7	0.0581 mg/L		0.0581 mg/L	20:32:10
2	K 766.490†	8935.0	6989.1	3.956 mg/L		3.956 mg/L	20:32:00
2	Li 670.784†	-156.2	50.3	0.0021 mg/L		0.0021 mg/L	20:32:00
2	Na 589.592†	9957.9	7826.7	1.382 mg/L		1.382 mg/L	20:32:00
2	Sr 407.771†	1890.9	1383.9	0.0019 mg/L		0.0019 mg/L	20:32:00
2	Y 371.029	3091987.1	3091987.1	1.25 mg/L			20:32:28
2	Ag 328.068†	1406.0	-257.9	-0.0037 mg/L		-0.0037 mg/L	20:32:30
2	Al 237.313†	114.1	218.9	0.0205 mg/L		0.0205 mg/L	20:32:41
2	As 188.979†	2.2	-1.2	0.0001 mg/L		0.0001 mg/L	20:32:41
2	B 182.528†	33.3	24.1	0.0523 mg/L		0.0523 mg/L	20:32:41
2	Ba 233.527†	634.0	562.3	0.0059 mg/L		0.0059 mg/L	20:32:41
2	Be 313.107†	-510.0	107.3	-0.0001 mg/L		-0.0001 mg/L	20:32:30
2	Ca 315.887†	61980.4	49501.0	0.4501 mg/L		0.4501 mg/L	20:32:30
2	Cd 228.802†	71.9	-5.2	-0.0002 mg/L		-0.0002 mg/L	20:32:41

2	Co	228.616†	-61.5	15.6	-0.0023	mg/L	-0.0023	mg/L	20:32:41
2	Cr	267.716†	462.6	-37.8	-0.0036	mg/L	-0.0036	mg/L	20:32:30
2	Cu	324.752†	1762.5	178.7	-0.0023	mg/L	-0.0023	mg/L	20:32:30
2	Fe	238.204†	5434.3	4196.7	0.0238	mg/L	0.0238	mg/L	20:32:30
2	Mg	279.077†	2426.8	1809.2	0.1218	mg/L	0.1218	mg/L	20:32:30
2	Mn	257.610†	13825.6	9907.5	0.0146	mg/L	0.0146	mg/L	20:32:30
2	Mo	202.031†	37.3	2.7	-0.0001	mg/L	-0.0001	mg/L	20:32:41
2	Ni	231.604†	8.2	25.4	-0.0029	mg/L	-0.0029	mg/L	20:32:41
2	P	214.914†	489.9	49.7	0.0575	mg/L	0.0575	mg/L	20:32:41
2	Pb	220.353†	50.3	-17.9	-0.0055	mg/L	-0.0055	mg/L	20:32:41
2	Sb	206.836†	41.4	-3.6	-0.0043	mg/L	-0.0043	mg/L	20:32:41
2	Se	196.026†	4.5	3.5	0.0019	mg/L	0.0019	mg/L	20:32:41
2	Sn	189.927†	-9.5	-10.5	-0.0049	mg/L	-0.0049	mg/L	20:32:41
2	Ti	337.279†	275.0	679.4	-0.0011	mg/L	-0.0011	mg/L	20:32:30
2	Tl	190.801†	8.2	4.6	-0.0013	mg/L	-0.0013	mg/L	20:32:41
2	V	292.402†	-675.9	141.6	-0.0013	mg/L	-0.0013	mg/L	20:32:30
2	Zn	213.857†	3694.7	2158.7	0.0221	mg/L	0.0221	mg/L	20:32:41

Mean Data: ~~CJ20603-PDS1~~ CJ20603-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3086900.5	1.25	mg/L	0.003				0.23%
Ag 328.068†	-271.5	-0.0038	mg/L	0.00016	-0.0038	mg/L	0.00016	4.28%
Al 237.313†	221.0	0.0207	mg/L	0.00037	0.0207	mg/L	0.00037	1.81%
As 188.979†	-1.2	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	73.40%
B 182.528†	24.4	0.0529	mg/L	0.00080	0.0529	mg/L	0.00080	1.51%
B 249.677†	81.6	0.0501	mg/L	0.00018	0.0501	mg/L	0.00018	0.37%
Ba 233.527†	560.5	0.0058	mg/L	0.00004	0.0058	mg/L	0.00004	0.61%
Be 313.107†	118.1	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	9.87%
Ca 315.887†	49775.9	0.4527	mg/L	0.00366	0.4527	mg/L	0.00366	0.81%
Cd 228.802†	-6.4	-0.0003	mg/L	0.00006	-0.0003	mg/L	0.00006	22.48%
Co 228.616†	18.0	-0.0023	mg/L	0.00009	-0.0023	mg/L	0.00009	3.77%
Cr 267.716†	-30.9	-0.0035	mg/L	0.00011	-0.0035	mg/L	0.00011	3.01%
Cu 324.752†	180.6	-0.0023	mg/L	0.00002	-0.0023	mg/L	0.00002	0.66%
Fe 234.349†	41.5	0.0537	mg/L	0.00626	0.0537	mg/L	0.00626	11.67%
Fe 238.204†	4195.6	0.0238	mg/L	0.00001	0.0238	mg/L	0.00001	0.06%
K 766.490†	7059.7	3.994	mg/L	0.0537	3.994	mg/L	0.0537	1.34%
Li 670.784†	44.0	0.0019	mg/L	0.00028	0.0019	mg/L	0.00028	14.19%
Mg 279.077†	1824.5	0.1232	mg/L	0.00191	0.1232	mg/L	0.00191	1.55%
Mn 257.610†	9968.2	0.0147	mg/L	0.00015	0.0147	mg/L	0.00015	1.03%
Mo 202.031†	2.3	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	23.61%
Na 589.592†	7865.6	1.388	mg/L	0.0090	1.388	mg/L	0.0090	0.65%
Ni 231.604†	24.9	-0.0029	mg/L	0.00002	-0.0029	mg/L	0.00002	0.76%
P 214.914†	42.6	0.0533	mg/L	0.00605	0.0533	mg/L	0.00605	11.35%
Pb 220.353†	-14.2	-0.0051	mg/L	0.00045	-0.0051	mg/L	0.00045	8.81%
Sb 206.836†	-6.0	-0.0063	mg/L	0.00287	-0.0063	mg/L	0.00287	45.63%
Se 196.026†	4.6	0.0030	mg/L	0.00148	0.0030	mg/L	0.00148	50.07%
Sn 189.927†	-8.3	-0.0044	mg/L	0.00068	-0.0044	mg/L	0.00068	15.46%
Sr 407.771†	1388.0	0.0019	mg/L	0.00001	0.0019	mg/L	0.00001	0.32%
Ti 337.279†	625.7	-0.0012	mg/L	0.00011	-0.0012	mg/L	0.00011	9.19%
Tl 190.801†	3.0	-0.0023	mg/L	0.00152	-0.0023	mg/L	0.00152	64.53%
V 292.402†	150.7	-0.0012	mg/L	0.00008	-0.0012	mg/L	0.00008	6.73%
Zn 213.857†	2165.6	0.0222	mg/L	0.00010	0.0222	mg/L	0.00010	0.47%

Sequence No.: 68

Autosampler Location: 64

Sample ID: ~~1210170-01SPLP~~ CJ20603-PDS1

Date Collected: 10/6/2012 8:34:23 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: ~~1210170-01SPLP~~ CJ20603-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Sample Conc.	Analysis Time
1	B 249.677†	1618.6	1360.5	0.7935 mg/L	0.7935 mg/L	20:36:08
1	Fe 234.349†	4261.0	3598.2	3.089 mg/L	3.089 mg/L	20:36:08
1	K 766.490†	98355.4	82754.9	44.71 mg/L	44.71 mg/L	20:36:05
1	Li 670.784†	20947.3	17836.2	0.5515 mg/L	0.5515 mg/L	20:36:08
1	Na 589.592†	222041.9	187053.3	30.70 mg/L	30.70 mg/L	20:36:05
1	Sr 407.771†	70218.5	59070.4	0.0624 mg/L	0.0624 mg/L	20:36:05
1	Y 371.029	2937967.7	2937967.7	1.19 mg/L		20:36:16

1	Ag	328.068†	40438.7	32709.7	0.2771	mg/L	0.2771	mg/L	20:36:19
1	Al	237.313†	25019.9	21221.8	2.738	mg/L	2.738	mg/L	20:36:19
1	As	188.979†	509.5	426.5	0.5342	mg/L	0.5342	mg/L	20:36:29
1	B	182.528†	494.0	413.8	0.8130	mg/L	0.8130	mg/L	20:36:29
1	Ba	233.527†	50460.9	42598.1	0.5873	mg/L	0.5873	mg/L	20:36:19
1	Be	313.107†	109185.2	92570.1	0.0552	mg/L	0.0552	mg/L	20:36:19
1	Ca	315.887†	927005.0	781407.8	7.348	mg/L	7.348	mg/L	20:36:16
1	Cd	228.802†	8888.6	7431.2	0.2609	mg/L	0.2609	mg/L	20:36:19
1	Co	228.616†	25891.7	21894.2	0.5462	mg/L	0.5462	mg/L	20:36:19
1	Cr	267.716†	59708.3	49931.8	0.5473	mg/L	0.5473	mg/L	20:36:19
1	Cu	324.752†	121304.7	101039.0	0.5660	mg/L	0.5660	mg/L	20:36:19
1	Fe	238.204†	391871.4	330230.8	2.780	mg/L	2.780	mg/L	20:36:16
1	Mg	279.077†	83494.7	70259.6	6.161	mg/L	6.161	mg/L	20:36:19
1	Mn	257.610†	417859.0	351129.5	0.6181	mg/L	0.6181	mg/L	20:36:16
1	Mo	202.031†	11723.9	9857.3	0.5239	mg/L	0.5239	mg/L	20:36:29
1	Ni	231.604†	18042.3	15230.3	0.5368	mg/L	0.5368	mg/L	20:36:19
1	P	214.914†	11254.5	9146.0	5.462	mg/L	5.462	mg/L	20:36:29
1	Pb	220.353†	7192.7	6006.1	0.5125	mg/L	0.5125	mg/L	20:36:29
1	Sb	206.836†	767.2	610.0	0.5117	mg/L	0.5117	mg/L	20:36:29
1	Se	196.026†	1304.1	1099.5	1.066	mg/L	1.066	mg/L	20:36:29
1	Sn	189.927†	2921.8	2460.5	0.5627	mg/L	0.5627	mg/L	20:36:29
1	Ti	337.279†	443028.0	373976.9	0.5271	mg/L	0.5271	mg/L	20:36:16
1	Tl	190.801†	897.0	754.2	0.5166	mg/L	0.5166	mg/L	20:36:29
1	V	292.402†	103384.2	87846.5	0.5542	mg/L	0.5542	mg/L	20:36:19
1	Zn	213.857†	66231.8	55039.0	0.5867	mg/L	0.5867	mg/L	20:36:19
2	B	249.677†	1629.6	1371.3	0.7999	mg/L	0.7999	mg/L	20:36:12
2	Fe	234.349†	4274.2	3613.6	3.103	mg/L	3.103	mg/L	20:36:12
2	K	766.490†	95722.4	80629.4	43.57	mg/L	43.57	mg/L	20:36:10
2	Li	670.784†	20984.0	17887.8	0.5531	mg/L	0.5531	mg/L	20:36:12
2	Na	589.592†	216695.7	182759.5	30.00	mg/L	30.00	mg/L	20:36:10
2	Sr	407.771†	67929.7	57207.7	0.0605	mg/L	0.0605	mg/L	20:36:10
2	Y	371.029	2934537.7	2934537.7	1.18	mg/L			20:36:32
2	Ag	328.068†	37819.5	30538.8	0.2586	mg/L	0.2586	mg/L	20:36:34
2	Al	237.313†	23402.6	19881.3	2.564	mg/L	2.564	mg/L	20:36:34
2	As	188.979†	464.1	388.7	0.4871	mg/L	0.4871	mg/L	20:36:44
2	B	182.528†	474.4	397.8	0.7816	mg/L	0.7816	mg/L	20:36:44
2	Ba	233.527†	47470.0	40123.3	0.5531	mg/L	0.5531	mg/L	20:36:34
2	Be	313.107†	101645.6	86313.6	0.0514	mg/L	0.0514	mg/L	20:36:34
2	Ca	315.887†	880792.5	743314.0	6.989	mg/L	6.989	mg/L	20:36:32
2	Cd	228.802†	8314.0	6954.9	0.2442	mg/L	0.2442	mg/L	20:36:34
2	Co	228.616†	24160.3	20458.3	0.5102	mg/L	0.5102	mg/L	20:36:34
2	Cr	267.716†	55776.5	46671.9	0.5114	mg/L	0.5114	mg/L	20:36:34
2	Cu	324.752†	113058.8	94198.2	0.5275	mg/L	0.5275	mg/L	20:36:34
2	Fe	238.204†	365259.1	308153.8	2.593	mg/L	2.593	mg/L	20:36:32
2	Mg	279.077†	78798.0	66377.5	5.818	mg/L	5.818	mg/L	20:36:34
2	Mn	257.610†	392040.5	329748.2	0.5803	mg/L	0.5803	mg/L	20:36:32
2	Mo	202.031†	10882.7	9158.9	0.4867	mg/L	0.4867	mg/L	20:36:44
2	Ni	231.604†	16939.3	14317.1	0.5044	mg/L	0.5044	mg/L	20:36:34
2	P	214.914†	10481.7	8504.8	5.082	mg/L	5.082	mg/L	20:36:44
2	Pb	220.353†	6660.2	5563.6	0.4745	mg/L	0.4745	mg/L	20:36:44
2	Sb	206.836†	715.6	567.2	0.4757	mg/L	0.4757	mg/L	20:36:44
2	Se	196.026†	1211.4	1022.4	0.9913	mg/L	0.9913	mg/L	20:36:44
2	Sn	189.927†	2706.9	2282.0	0.5224	mg/L	0.5224	mg/L	20:36:44
2	Ti	337.279†	409296.5	345941.1	0.4875	mg/L	0.4875	mg/L	20:36:32
2	Tl	190.801†	829.7	698.3	0.4778	mg/L	0.4778	mg/L	20:36:44
2	V	292.402†	96222.9	81903.6	0.5166	mg/L	0.5166	mg/L	20:36:34
2	Zn	213.857†	62042.0	51567.7	0.5496	mg/L	0.5496	mg/L	20:36:34

Mean Data: ~~1210170-01SPLP~~ CJ20603-PDS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2936252.7	1.19	mg/L	0.001				0.08%
Ag 328.068†	31624.3	0.2679	mg/L	0.01306	0.2679	mg/L	0.01306	4.88%
Al 237.313†	20551.5	2.651	mg/L	0.1226	2.651	mg/L	0.1226	4.63%
As 188.979†	407.6	0.5106	mg/L	0.03332	0.5106	mg/L	0.03332	6.53%
B 182.528†	405.8	0.7973	mg/L	0.02215	0.7973	mg/L	0.02215	2.78%
B 249.677†	1365.9	0.7967	mg/L	0.00451	0.7967	mg/L	0.00451	0.57%
Ba 233.527†	41360.7	0.5702	mg/L	0.02420	0.5702	mg/L	0.02420	4.24%
Be 313.107†	89441.8	0.0533	mg/L	0.00264	0.0533	mg/L	0.00264	4.96%
Ca 315.887†	762360.9	7.168	mg/L	0.2539	7.168	mg/L	0.2539	3.54%
Cd 228.802†	7193.1	0.2525	mg/L	0.01178	0.2525	mg/L	0.01178	4.67%
Co 228.616†	21176.3	0.5282	mg/L	0.02545	0.5282	mg/L	0.02545	4.82%

Cr 267.716†	48301.9	0.5293 mg/L	0.02542	0.5293 mg/L	0.02542	4.80%
Cu 324.752†	97618.6	0.5468 mg/L	0.02726	0.5468 mg/L	0.02726	4.99%
Fe 234.349†	3605.9	3.096 mg/L	0.0098	3.096 mg/L	0.0098	0.32%
Fe 238.204†	319192.3	2.687 mg/L	0.1320	2.687 mg/L	0.1320	4.91%
K 766.490†	81692.1	44.14 mg/L	0.808	44.14 mg/L	0.808	1.83%
Li 670.784†	17862.0	0.5523 mg/L	0.00113	0.5523 mg/L	0.00113	0.20%
Mg 279.077†	68318.6	5.990 mg/L	0.2422	5.990 mg/L	0.2422	4.04%
Mn 257.610†	340438.8	0.5992 mg/L	0.02674	0.5992 mg/L	0.02674	4.46%
Mo 202.031†	9508.1	0.5053 mg/L	0.02632	0.5053 mg/L	0.02632	5.21%
Na 589.592†	184906.4	30.35 mg/L	0.497	30.35 mg/L	0.497	1.64%
Ni 231.604†	14773.7	0.5206 mg/L	0.02293	0.5206 mg/L	0.02293	4.40%
P 214.914†	8825.4	5.272 mg/L	0.2691	5.272 mg/L	0.2691	5.10%
Pb 220.353†	5784.9	0.4935 mg/L	0.02691	0.4935 mg/L	0.02691	5.45%
Sb 206.836†	588.6	0.4937 mg/L	0.02550	0.4937 mg/L	0.02550	5.17%
Se 196.026†	1061.0	1.029 mg/L	0.0528	1.029 mg/L	0.0528	5.13%
Sn 189.927†	2371.3	0.5425 mg/L	0.02851	0.5425 mg/L	0.02851	5.26%
Sr 407.771†	58139.0	0.0614 mg/L	0.00138	0.0614 mg/L	0.00138	2.25%
Ti 337.279†	359959.0	0.5073 mg/L	0.02805	0.5073 mg/L	0.02805	5.53%
Tl 190.801†	726.3	0.4972 mg/L	0.02744	0.4972 mg/L	0.02744	5.52%
V 292.402†	84875.1	0.5354 mg/L	0.02665	0.5354 mg/L	0.02665	4.98%
Zn 213.857†	53303.4	0.5681 mg/L	0.02622	0.5681 mg/L	0.02622	4.61%

Sequence No.: 69

Sample ID: 1210170-02SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 65

Date Collected: 10/6/2012 8:38:23 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210170-02SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1516.6	1263.0	0.7378	mg/L	0.7378	mg/L	20:40:13
1	Fe 234.349†	92.9	83.4	0.0782	mg/L	0.0782	mg/L	20:40:13
1	K 766.490†	201406.7	168111.6	90.62	mg/L	90.62	mg/L	20:40:03
1	Li 670.784†	-109.7	83.8	0.0032	mg/L	0.0032	mg/L	20:40:03
1	Na 589.592†	178370.1	148882.1	24.45	mg/L	24.45	mg/L	20:40:03
1	Sr 407.771†	70937.3	59138.9	0.0625	mg/L	0.0625	mg/L	20:40:03
1	Y 371.029	2964610.1	2964610.1	1.20	mg/L			20:40:29
1	Ag 328.068†	1379.5	-231.6	-0.0035	mg/L	-0.0035	mg/L	20:40:32
1	Al 237.313†	800.2	796.1	0.0950	mg/L	0.0950	mg/L	20:40:42
1	As 188.979†	-2.8	-5.3	-0.0050	mg/L	-0.0050	mg/L	20:40:42
1	B 182.528†	474.0	393.4	0.7731	mg/L	0.7731	mg/L	20:40:42
1	Ba 233.527†	11970.0	10055.7	0.1372	mg/L	0.1372	mg/L	20:40:32
1	Be 313.107†	-485.3	110.4	-0.0001	mg/L	-0.0001	mg/L	20:40:32
1	Ca 315.887†	1670526.7	1395615.2	13.13	mg/L	13.13	mg/L	20:40:29
1	Cd 228.802†	74.8	-0.3	0.0000	mg/L	0.0000	mg/L	20:40:42
1	Co 228.616†	-75.7	1.7	-0.0027	mg/L	-0.0027	mg/L	20:40:42
1	Cr 267.716†	581.4	77.4	-0.0023	mg/L	-0.0023	mg/L	20:40:32
1	Cu 324.752†	3735.7	1888.0	0.0073	mg/L	0.0073	mg/L	20:40:32
1	Fe 238.204†	6597.5	5355.7	0.0336	mg/L	0.0336	mg/L	20:40:32
1	Mg 279.077†	53489.5	44556.9	3.892	mg/L	3.892	mg/L	20:40:32
1	Mn 257.610†	76442.1	62701.1	0.1080	mg/L	0.1080	mg/L	20:40:32
1	Mo 202.031†	104.8	60.4	0.0030	mg/L	0.0030	mg/L	20:40:42
1	Ni 231.604†	107.0	108.2	0.0001	mg/L	0.0001	mg/L	20:40:42
1	P 214.914†	17541.9	14314.0	8.543	mg/L	8.543	mg/L	20:40:32
1	Pb 220.353†	120.1	42.2	-0.0004	mg/L	-0.0004	mg/L	20:40:42
1	Sb 206.836†	38.2	-4.9	-0.0053	mg/L	-0.0053	mg/L	20:40:42
1	Se 196.026†	0.3	0.2	-0.0013	mg/L	-0.0013	mg/L	20:40:42
1	Sn 189.927†	-155.4	-132.7	-0.0324	mg/L	-0.0324	mg/L	20:40:42
1	Ti 337.279†	1389.4	1620.0	0.0002	mg/L	0.0002	mg/L	20:40:32
1	Tl 190.801†	10.0	6.4	0.0000	mg/L	0.0000	mg/L	20:40:42
1	V 292.402†	-701.2	97.2	-0.0015	mg/L	-0.0015	mg/L	20:40:32
1	Zn 213.857†	13015.2	10073.3	0.1072	mg/L	0.1072	mg/L	20:40:32
2	B 249.677†	1513.5	1250.4	0.7305	mg/L	0.7305	mg/L	20:40:26
2	Fe 234.349†	89.8	80.2	0.0753	mg/L	0.0753	mg/L	20:40:26
2	K 766.490†	204596.5	169424.8	91.33	mg/L	91.33	mg/L	20:40:15
2	Li 670.784†	-148.9	52.0	0.0022	mg/L	0.0022	mg/L	20:40:15
2	Na 589.592†	181391.8	150208.2	24.67	mg/L	24.67	mg/L	20:40:15
2	Sr 407.771†	72212.2	59727.0	0.0631	mg/L	0.0631	mg/L	20:40:15
2	Y 371.029	2988243.0	2988243.0	1.21	mg/L			20:40:44
2	Ag 328.068†	1370.7	-248.0	-0.0036	mg/L	-0.0036	mg/L	20:40:46

2	Al	237.313†	817.3	805.0	0.0961 mg/L	0.0961 mg/L	20:40:57
2	As	188.979†	-7.6	-9.3	-0.0099 mg/L	-0.0099 mg/L	20:40:57
2	B	182.528†	471.6	388.3	0.7630 mg/L	0.7630 mg/L	20:40:57
2	Ba	233.527†	12024.0	10021.3	0.1368 mg/L	0.1368 mg/L	20:40:46
2	Be	313.107†	-491.7	108.3	-0.0001 mg/L	-0.0001 mg/L	20:40:46
2	Ca	315.887†	1693847.9	1403907.9	13.21 mg/L	13.21 mg/L	20:40:44
2	Cd	228.802†	80.9	4.3	0.0002 mg/L	0.0002 mg/L	20:40:57
2	Co	228.616†	-55.2	19.1	-0.0023 mg/L	-0.0023 mg/L	20:40:57
2	Cr	267.716†	598.7	87.9	-0.0022 mg/L	-0.0022 mg/L	20:40:46
2	Cu	324.752†	3665.3	1805.0	0.0068 mg/L	0.0068 mg/L	20:40:46
2	Fe	238.204†	6571.3	5290.4	0.0330 mg/L	0.0330 mg/L	20:40:46
2	Mg	279.077†	53869.1	44518.1	3.889 mg/L	3.889 mg/L	20:40:46
2	Mn	257.610†	76912.9	62586.2	0.1078 mg/L	0.1078 mg/L	20:40:46
2	Mo	202.031†	102.8	58.1	0.0028 mg/L	0.0028 mg/L	20:40:57
2	Ni	231.604†	105.9	106.6	0.0000 mg/L	0.0000 mg/L	20:40:57
2	P	214.914†	17654.6	14291.5	8.530 mg/L	8.530 mg/L	20:40:46
2	Pb	220.353†	94.2	20.0	-0.0023 mg/L	-0.0023 mg/L	20:40:57
2	Sb	206.836†	40.0	-3.6	-0.0043 mg/L	-0.0043 mg/L	20:40:57
2	Se	196.026†	6.0	4.9	0.0032 mg/L	0.0032 mg/L	20:40:57
2	Sn	189.927†	-179.1	-151.3	-0.0366 mg/L	-0.0366 mg/L	20:40:57
2	Ti	337.279†	1198.5	1452.6	0.0000 mg/L	0.0000 mg/L	20:40:46
2	Tl	190.801†	11.0	7.1	0.0005 mg/L	0.0005 mg/L	20:40:57
2	V	292.402†	-691.4	109.9	-0.0015 mg/L	-0.0015 mg/L	20:40:46
2	Zn	213.857†	13062.0	10026.2	0.1067 mg/L	0.1067 mg/L	20:40:46

Mean Data: 1210170-02SPLP

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2976426.5	1.20 mg/L	0.007			0.56%
Ag 328.068†	-239.8	-0.0036 mg/L	0.00010	-0.0036 mg/L	0.00010	2.78%
Al 237.313†	800.5	0.0956 mg/L	0.00082	0.0956 mg/L	0.00082	0.85%
As 188.979†	-7.3	-0.0074 mg/L	0.00351	-0.0074 mg/L	0.00351	47.17%
B 182.528†	390.8	0.7681 mg/L	0.00714	0.7681 mg/L	0.00714	0.93%
B 249.677†	1256.7	0.7341 mg/L	0.00516	0.7341 mg/L	0.00516	0.70%
Ba 233.527†	10038.5	0.1370 mg/L	0.00034	0.1370 mg/L	0.00034	0.25%
Be 313.107†	109.3	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	0.91%
Ca 315.887†	1399761.5	13.17 mg/L	0.055	13.17 mg/L	0.055	0.42%
Cd 228.802†	2.0	0.0001 mg/L	0.00013	0.0001 mg/L	0.00013	178.81%
Co 228.616†	10.4	-0.0025 mg/L	0.00031	-0.0025 mg/L	0.00031	12.52%
Cr 267.716†	82.7	-0.0023 mg/L	0.00008	-0.0023 mg/L	0.00008	3.56%
Cu 324.752†	1846.5	0.0071 mg/L	0.00033	0.0071 mg/L	0.00033	4.68%
Fe 234.349†	81.8	0.0768 mg/L	0.00202	0.0768 mg/L	0.00202	2.64%
Fe 238.204†	5323.0	0.0333 mg/L	0.00039	0.0333 mg/L	0.00039	1.17%
K 766.490†	168768.2	90.97 mg/L	0.499	90.97 mg/L	0.499	0.55%
Li 670.784†	67.9	0.0027 mg/L	0.00069	0.0027 mg/L	0.00069	25.93%
Mg 279.077†	44537.5	3.891 mg/L	0.0024	3.891 mg/L	0.0024	0.06%
Mn 257.610†	62643.6	0.1079 mg/L	0.00014	0.1079 mg/L	0.00014	0.13%
Mo 202.031†	59.2	0.0029 mg/L	0.00009	0.0029 mg/L	0.00009	3.08%
Na 589.592†	149545.1	24.56 mg/L	0.153	24.56 mg/L	0.153	0.62%
Ni 231.604†	107.4	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	142.03%
P 214.914†	14302.7	8.537 mg/L	0.0095	8.537 mg/L	0.0095	0.11%
Pb 220.353†	31.1	-0.0014 mg/L	0.00136	-0.0014 mg/L	0.00136	99.80%
Sb 206.836†	-4.2	-0.0048 mg/L	0.00073	-0.0048 mg/L	0.00073	15.29%
Se 196.026†	2.5	0.0010 mg/L	0.00322	0.0010 mg/L	0.00322	330.67%
Sn 189.927†	-142.0	-0.0345 mg/L	0.00297	-0.0345 mg/L	0.00297	8.61%
Sr 407.771†	59433.0	0.0628 mg/L	0.00044	0.0628 mg/L	0.00044	0.69%
Ti 337.279†	1536.3	0.0001 mg/L	0.00017	0.0001 mg/L	0.00017	141.84%
Tl 190.801†	6.7	0.0002 mg/L	0.00038	0.0002 mg/L	0.00038	171.52%
V 292.402†	103.6	-0.0015 mg/L	0.00006	-0.0015 mg/L	0.00006	3.78%
Zn 213.857†	10049.8	0.1069 mg/L	0.00036	0.1069 mg/L	0.00036	0.33%

Sequence No.: 70

Sample ID: 1210170-03SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 66

Date Collected: 10/6/2012 8:42:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210170-03SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	1324.1	1155.9	0.6755 mg/L	0.6755 mg/L	20:44:30
1	Fe 234.349†	1104.9	973.8	0.8267 mg/L	0.8267 mg/L	20:44:30
1	K 766.490†	50474.5	44052.6	23.89 mg/L	23.89 mg/L	20:44:20
1	Li 670.784†	-54.0	128.1	0.0045 mg/L	0.0045 mg/L	20:44:30
1	Na 589.592†	755907.4	662109.3	108.4 mg/L	108.4 mg/L	20:44:20
1	Sr 407.771†	120017.0	105017.4	0.1106 mg/L	0.1106 mg/L	20:44:20
1	Y 371.029	2827269.5	2827269.5	1.14 mg/L		20:44:47
1	Ag 328.068†	1438.9	-123.6	-0.0025 mg/L	-0.0025 mg/L	20:44:49
1	Al 237.313†	9637.9	8571.4	1.099 mg/L	1.099 mg/L	20:44:49
1	As 188.979†	10.0	5.8	0.0091 mg/L	0.0091 mg/L	20:44:59
1	B 182.528†	414.8	360.8	0.7094 mg/L	0.7094 mg/L	20:44:59
1	Ba 233.527†	7033.4	6216.5	0.0841 mg/L	0.0841 mg/L	20:44:49
1	Be 313.107†	-448.6	122.8	-0.0001 mg/L	-0.0001 mg/L	20:44:49
1	Ca 315.887†	3583435.2	3139340.5	29.56 mg/L	29.56 mg/L	20:44:47
1	Cd 228.802†	95.4	20.8	0.0007 mg/L	0.0007 mg/L	20:44:59
1	Co 228.616†	-0.2	64.7	-0.0012 mg/L	-0.0012 mg/L	20:44:59
1	Cr 267.716†	838.5	326.3	0.0004 mg/L	0.0004 mg/L	20:44:49
1	Cu 324.752†	9554.5	7137.6	0.0369 mg/L	0.0369 mg/L	20:44:49
1	Fe 238.204†	102446.4	89597.9	0.7456 mg/L	0.7456 mg/L	20:44:49
1	Mg 279.077†	81073.6	70894.7	6.215 mg/L	6.215 mg/L	20:44:49
1	Mn 257.610†	24475.3	20274.9	0.0330 mg/L	0.0330 mg/L	20:44:49
1	Mo 202.031†	621.0	516.9	0.0270 mg/L	0.0270 mg/L	20:44:59
1	Ni 231.604†	157.4	156.7	0.0018 mg/L	0.0018 mg/L	20:44:59
1	P 214.914†	17238.8	14760.4	8.810 mg/L	8.810 mg/L	20:44:49
1	Pb 220.353†	71.1	4.2	-0.0039 mg/L	-0.0039 mg/L	20:44:59
1	Sb 206.836†	38.9	-2.7	-0.0038 mg/L	-0.0038 mg/L	20:44:59
1	Se 196.026†	-7.6	-6.7	-0.0077 mg/L	-0.0077 mg/L	20:44:59
1	Sn 189.927†	-262.9	-233.2	-0.0529 mg/L	-0.0529 mg/L	20:44:59
1	Ti 337.279†	33584.9	29883.3	0.0402 mg/L	0.0402 mg/L	20:44:49
1	Tl 190.801†	17.6	13.4	0.0043 mg/L	0.0043 mg/L	20:44:59
1	V 292.402†	5665.9	5647.1	0.0332 mg/L	0.0332 mg/L	20:44:49
1	Zn 213.857†	7667.5	5916.4	0.0624 mg/L	0.0624 mg/L	20:44:49
2	B 249.677†	1341.9	1150.2	0.6721 mg/L	0.6721 mg/L	20:44:43
2	Fe 234.349†	1098.6	950.9	0.8073 mg/L	0.8073 mg/L	20:44:43
2	K 766.490†	50509.1	43282.0	23.48 mg/L	23.48 mg/L	20:44:32
2	Li 670.784†	-68.1	116.9	0.0042 mg/L	0.0042 mg/L	20:44:43
2	Na 589.592†	755145.2	649467.0	106.3 mg/L	106.3 mg/L	20:44:32
2	Sr 407.771†	119854.3	102974.3	0.1085 mg/L	0.1085 mg/L	20:44:32
2	Y 371.029	2879385.1	2879385.1	1.16 mg/L		20:45:02
2	Ag 328.068†	1464.6	-124.3	-0.0025 mg/L	-0.0025 mg/L	20:45:04
2	Al 237.313†	9456.3	8262.3	1.059 mg/L	1.059 mg/L	20:45:04
2	As 188.979†	8.5	4.3	0.0073 mg/L	0.0073 mg/L	20:45:14
2	B 182.528†	414.0	353.5	0.6953 mg/L	0.6953 mg/L	20:45:14
2	Ba 233.527†	6852.1	5949.0	0.0804 mg/L	0.0804 mg/L	20:45:04
2	Be 313.107†	-496.9	88.4	-0.0001 mg/L	-0.0001 mg/L	20:45:04
2	Ca 315.887†	3624283.5	3117657.0	29.35 mg/L	29.35 mg/L	20:45:02
2	Cd 228.802†	89.6	14.2	0.0004 mg/L	0.0004 mg/L	20:45:14
2	Co 228.616†	15.4	78.1	-0.0008 mg/L	-0.0008 mg/L	20:45:14
2	Cr 267.716†	809.7	288.2	0.0000 mg/L	0.0000 mg/L	20:45:04
2	Cu 324.752†	9500.5	6939.6	0.0358 mg/L	0.0358 mg/L	20:45:04
2	Fe 238.204†	100672.3	86447.2	0.7190 mg/L	0.7190 mg/L	20:45:04
2	Mg 279.077†	79605.8	68346.4	5.990 mg/L	5.990 mg/L	20:45:04
2	Mn 257.610†	24045.8	19517.3	0.0316 mg/L	0.0316 mg/L	20:45:04
2	Mo 202.031†	619.5	505.8	0.0264 mg/L	0.0264 mg/L	20:45:14
2	Ni 231.604†	150.9	148.6	0.0015 mg/L	0.0015 mg/L	20:45:14
2	P 214.914†	16917.7	14210.9	8.483 mg/L	8.483 mg/L	20:45:04
2	Pb 220.353†	94.9	23.5	-0.0022 mg/L	-0.0022 mg/L	20:45:14
2	Sb 206.836†	44.5	1.5	-0.0002 mg/L	-0.0002 mg/L	20:45:14
2	Se 196.026†	-2.5	-2.2	-0.0033 mg/L	-0.0033 mg/L	20:45:14
2	Sn 189.927†	-253.6	-221.0	-0.0502 mg/L	-0.0502 mg/L	20:45:14
2	Ti 337.279†	33978.2	29689.0	0.0400 mg/L	0.0400 mg/L	20:45:04
2	Tl 190.801†	12.3	8.6	0.0009 mg/L	0.0009 mg/L	20:45:14
2	V 292.402†	5518.5	5430.4	0.0319 mg/L	0.0319 mg/L	20:45:04
2	Zn 213.857†	7413.4	5576.3	0.0588 mg/L	0.0588 mg/L	20:45:04

Mean Data: 1210170-03SPLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2853327.3	1.15	mg/L	0.015				1.29%
Ag 328.068†	-123.9	-0.0025	mg/L	0.00001	-0.0025	mg/L	0.00001	0.23%
Al 237.313†	8416.9	1.079	mg/L	0.0282	1.079	mg/L	0.0282	2.62%
As 188.979†	5.1	0.0082	mg/L	0.00131	0.0082	mg/L	0.00131	15.96%

2	Fe 234.349†	93.0	79.6	0.0867 mg/L	0.0867 mg/L	20:49:15
2	K 766.490†	962.2	595.7	0.5176 mg/L	0.5176 mg/L	20:49:05
2	Li 670.784†	-224.0	-2.5	0.0005 mg/L	0.0005 mg/L	20:49:05
2	Na 589.592†	7799.7	6045.6	1.090 mg/L	1.090 mg/L	20:49:05
2	Sr 407.771†	295.7	103.9	0.0006 mg/L	0.0006 mg/L	20:49:05
2	Y 371.029	3118003.7	3118003.7	1.26 mg/L		20:49:33
2	Ag 328.068†	1437.8	-242.0	-0.0036 mg/L	-0.0036 mg/L	20:49:35
2	Al 237.313†	-51.8	86.3	0.0033 mg/L	0.0033 mg/L	20:49:46
2	As 188.979†	5.5	1.4	0.0034 mg/L	0.0034 mg/L	20:49:46
2	B 182.528†	1.5	-1.5	0.0025 mg/L	0.0025 mg/L	20:49:46
2	Ba 233.527†	-23.4	35.8	-0.0014 mg/L	-0.0014 mg/L	20:49:46
2	Be 313.107†	-510.4	110.4	-0.0001 mg/L	-0.0001 mg/L	20:49:35
2	Ca 315.887†	15285.8	11991.6	0.0967 mg/L	0.0967 mg/L	20:49:35
2	Cd 228.802†	79.0	-0.1	0.0000 mg/L	0.0000 mg/L	20:49:46
2	Co 228.616†	-88.6	-5.5	-0.0029 mg/L	-0.0029 mg/L	20:49:46
2	Cr 267.716†	443.7	-55.9	-0.0038 mg/L	-0.0038 mg/L	20:49:35
2	Cu 324.752†	1850.8	237.0	-0.0020 mg/L	-0.0020 mg/L	20:49:35
2	Fe 238.204†	10031.2	7812.3	0.0543 mg/L	0.0543 mg/L	20:49:35
2	Mg 279.077†	275.1	83.6	-0.0304 mg/L	-0.0304 mg/L	20:49:35
2	Mn 257.610†	4673.4	2544.4	0.0016 mg/L	0.0016 mg/L	20:49:35
2	Mo 202.031†	39.8	4.5	0.0000 mg/L	0.0000 mg/L	20:49:46
2	Ni 231.604†	-3.6	15.9	-0.0032 mg/L	-0.0032 mg/L	20:49:46
2	P 214.914†	400.4	-24.6	0.0134 mg/L	0.0134 mg/L	20:49:46
2	Pb 220.353†	49.1	-19.1	-0.0055 mg/L	-0.0055 mg/L	20:49:46
2	Sb 206.836†	38.2	-6.5	-0.0066 mg/L	-0.0066 mg/L	20:49:46
2	Se 196.026†	3.1	2.4	0.0009 mg/L	0.0009 mg/L	20:49:46
2	Sn 189.927†	111.3	85.5	0.0169 mg/L	0.0169 mg/L	20:49:46
2	Ti 337.279†	267.2	671.4	-0.0011 mg/L	-0.0011 mg/L	20:49:35
2	Tl 190.801†	3.1	0.5	-0.0042 mg/L	-0.0042 mg/L	20:49:46
2	V 292.402†	-738.2	96.6	-0.0016 mg/L	-0.0016 mg/L	20:49:35
2	Zn 213.857†	1596.1	466.8	0.0039 mg/L	0.0039 mg/L	20:49:46

Mean Data: CJ20516-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3121946.0	1.26	mg/L	0.002			0.18%
Ag 328.068†	-240.1	-0.0036	mg/L	0.00002	-0.0036 mg/L	0.00002	0.64%
Al 237.313†	80.7	0.0026	mg/L	0.00104	0.0026 mg/L	0.00104	39.72%
As 188.979†	1.6	0.0036	mg/L	0.00034	0.0036 mg/L	0.00034	9.47%
B 182.528†	0.1	0.0056	mg/L	0.00438	0.0056 mg/L	0.00438	78.23%
B 249.677†	4.3	0.0051	mg/L	0.00046	0.0051 mg/L	0.00046	8.92%
Ba 233.527†	35.8	-0.0014	mg/L	0.00000	-0.0014 mg/L	0.00000	0.05%
Be 313.107†	115.8	-0.0001	mg/L	0.00000	-0.0001 mg/L	0.00000	4.86%
Ca 315.887†	12083.0	0.0976	mg/L	0.00122	0.0976 mg/L	0.00122	1.25%
Cd 228.802†	0.5	0.0000	mg/L	0.00003	0.0000 mg/L	0.00003	85.29%
Co 228.616†	2.8	-0.0027	mg/L	0.00030	-0.0027 mg/L	0.00030	11.12%
Cr 267.716†	-68.2	-0.0040	mg/L	0.00019	-0.0040 mg/L	0.00019	4.85%
Cu 324.752†	227.4	-0.0020	mg/L	0.00008	-0.0020 mg/L	0.00008	3.76%
Fe 234.349†	81.4	0.0882	mg/L	0.00217	0.0882 mg/L	0.00217	2.46%
Fe 238.204†	7902.3	0.0551	mg/L	0.00108	0.0551 mg/L	0.00108	1.95%
K 766.490†	625.6	0.5337	mg/L	0.02280	0.5337 mg/L	0.02280	4.27%
Li 670.784†	-8.1	0.0003	mg/L	0.00025	0.0003 mg/L	0.00025	74.38%
Mg 279.077†	80.7	-0.0307	mg/L	0.00037	-0.0307 mg/L	0.00037	1.19%
Mn 257.610†	2584.1	0.0017	mg/L	0.00010	0.0017 mg/L	0.00010	5.87%
Mo 202.031†	4.2	0.0000	mg/L	0.00002	0.0000 mg/L	0.00002	55.31%
Na 589.592†	6278.7	1.128	mg/L	0.0539	1.128 mg/L	0.0539	4.78%
Ni 231.604†	10.1	-0.0034	mg/L	0.00029	-0.0034 mg/L	0.00029	8.56%
P 214.914†	-24.4	0.0135	mg/L	0.00020	0.0135 mg/L	0.00020	1.45%
Pb 220.353†	-16.1	-0.0053	mg/L	0.00037	-0.0053 mg/L	0.00037	7.00%
Sb 206.836†	-6.0	-0.0063	mg/L	0.00056	-0.0063 mg/L	0.00056	9.00%
Se 196.026†	1.4	-0.0001	mg/L	0.00142	-0.0001 mg/L	0.00142	988.83%
Sn 189.927†	86.9	0.0172	mg/L	0.00045	0.0172 mg/L	0.00045	2.62%
Sr 407.771†	106.8	0.0006	mg/L	0.00000	0.0006 mg/L	0.00000	0.74%
Ti 337.279†	592.9	-0.0012	mg/L	0.00016	-0.0012 mg/L	0.00016	12.91%
Tl 190.801†	-0.6	-0.0049	mg/L	0.00104	-0.0049 mg/L	0.00104	21.28%
V 292.402†	74.6	-0.0017	mg/L	0.00020	-0.0017 mg/L	0.00020	11.44%
Zn 213.857†	458.5	0.0039	mg/L	0.00012	0.0039 mg/L	0.00012	3.21%

Sequence No.: 72

Sample ID: CJ20516-BS1

Analyst:

Autosampler Location: 68

Date Collected: 10/6/2012 8:51:25 PM

Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20516-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	870.4	699.0	0.4081	mg/L	0.4081	20:53:09
1	Fe 234.349†	82115.0	66343.6	56.85	mg/L	56.85	20:53:07
1	K 766.490†	30362.6	24360.2	13.30	mg/L	13.30	20:53:09
1	Li 670.784†	1144.1	1099.8	0.0346	mg/L	0.0346	20:53:09
1	Na 589.592†	14548.7	11602.8	1.999	mg/L	1.999	20:53:09
1	Sr 407.771†	736165.9	594591.4	0.6242	mg/L	0.6242	20:53:07
1	Y 371.029	3066115.5	3066115.5	1.24	mg/L		20:53:19
1	Ag 328.068†	29582.9	22514.8	0.1945	mg/L	0.1945	20:53:21
1	Al 237.313†	337303.2	272622.8	35.19	mg/L	35.19	20:53:21
1	As 188.979†	780.1	627.2	0.8074	mg/L	0.8074	20:53:31
1	B 182.528†	253.6	202.2	0.4000	mg/L	0.4000	20:53:31
1	Ba 233.527†	90156.5	72888.7	1.007	mg/L	1.007	20:53:21
1	Be 313.107†	1021351.0	825629.1	0.4930	mg/L	0.4930	20:53:19
1	Ca 315.887†	4138285.4	3343022.2	31.48	mg/L	31.48	20:53:19
1	Cd 228.802†	15362.8	12348.2	0.4340	mg/L	0.4340	20:53:21
1	Co 228.616†	29830.9	24164.2	0.6027	mg/L	0.6027	20:53:21
1	Cr 267.716†	60899.9	48790.5	0.5345	mg/L	0.5345	20:53:21
1	Cu 324.752†	120497.7	96112.6	0.5385	mg/L	0.5385	20:53:21
1	Fe 238.204†	7320406.5	5913740.1	49.97	mg/L	49.97	20:53:19
1	Mg 279.077†	170070.0	137258.6	12.07	mg/L	12.07	20:53:21
1	Mn 257.610†	1113776.2	898612.0	1.586	mg/L	1.586	20:53:19
1	Mo 202.031†	6827.2	5488.4	0.2743	mg/L	0.2743	20:53:31
1	Ni 231.604†	11763.4	9522.0	0.3341	mg/L	0.3341	20:53:21
1	P 214.914†	5242.1	3892.2	2.466	mg/L	2.466	20:53:31
1	Pb 220.353†	5119.7	4077.9	0.3364	mg/L	0.3364	20:53:31
1	Sb 206.836†	708.3	535.4	0.4249	mg/L	0.4249	20:53:31
1	Se 196.026†	735.4	594.0	0.5988	mg/L	0.5988	20:53:31
1	Sn 189.927†	3785.6	3055.4	0.8544	mg/L	0.8544	20:53:31
1	Ti 337.279†	657744.0	531827.2	0.7505	mg/L	0.7505	20:53:19
1	Tl 190.801†	1716.5	1384.7	0.9264	mg/L	0.9264	20:53:31
1	V 292.402†	78263.3	63909.2	0.3922	mg/L	0.3922	20:53:21
1	Zn 213.857†	146517.8	117565.4	1.260	mg/L	1.260	20:53:21
2	B 249.677†	894.5	713.8	0.4167	mg/L	0.4167	20:53:13
2	Fe 234.349†	81830.3	65683.2	56.29	mg/L	56.29	20:53:11
2	K 766.490†	30901.1	24632.6	13.45	mg/L	13.45	20:53:13
2	Li 670.784†	1145.6	1094.9	0.0344	mg/L	0.0344	20:53:13
2	Na 589.592†	14624.8	11587.4	1.997	mg/L	1.997	20:53:13
2	Sr 407.771†	734832.3	589649.6	0.6190	mg/L	0.6190	20:53:11
2	Y 371.029	3086205.5	3086205.5	1.25	mg/L		20:53:35
2	Ag 328.068†	29716.0	22466.0	0.1940	mg/L	0.1940	20:53:37
2	Al 237.313†	340283.8	273241.2	35.27	mg/L	35.27	20:53:37
2	As 188.979†	774.7	618.8	0.7967	mg/L	0.7967	20:53:47
2	B 182.528†	260.9	206.7	0.4088	mg/L	0.4088	20:53:47
2	Ba 233.527†	91076.9	73153.2	1.010	mg/L	1.010	20:53:37
2	Be 313.107†	1024339.6	822656.6	0.4913	mg/L	0.4913	20:53:35
2	Ca 315.887†	4151834.0	3332133.7	31.38	mg/L	31.38	20:53:35
2	Cd 228.802†	15391.5	12290.5	0.4320	mg/L	0.4320	20:53:37
2	Co 228.616†	30038.6	24174.0	0.6029	mg/L	0.6029	20:53:37
2	Cr 267.716†	61248.6	48750.1	0.5340	mg/L	0.5340	20:53:37
2	Cu 324.752†	121433.8	96230.2	0.5391	mg/L	0.5391	20:53:37
2	Fe 238.204†	7343915.7	5894111.6	49.81	mg/L	49.81	20:53:35
2	Mg 279.077†	171332.1	137377.2	12.08	mg/L	12.08	20:53:37
2	Mn 257.610†	1117995.4	896141.2	1.582	mg/L	1.582	20:53:35
2	Mo 202.031†	6810.9	5439.4	0.2719	mg/L	0.2719	20:53:47
2	Ni 231.604†	11778.0	9471.9	0.3323	mg/L	0.3323	20:53:37
2	P 214.914†	5232.2	3856.7	2.443	mg/L	2.443	20:53:47
2	Pb 220.353†	5128.9	4058.3	0.3347	mg/L	0.3347	20:53:47
2	Sb 206.836†	714.5	536.7	0.4262	mg/L	0.4262	20:53:47
2	Se 196.026†	727.8	584.1	0.5889	mg/L	0.5889	20:53:47
2	Sn 189.927†	3763.9	3018.1	0.8443	mg/L	0.8443	20:53:47
2	Ti 337.279†	660204.5	530343.0	0.7484	mg/L	0.7484	20:53:35
2	Tl 190.801†	1700.1	1362.5	0.9112	mg/L	0.9112	20:53:47
2	V 292.402†	78561.2	63736.7	0.3912	mg/L	0.3912	20:53:37
2	Zn 213.857†	147741.3	117776.9	1.262	mg/L	1.262	20:53:37

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3076160.5	1.24	mg/L	0.006				0.46%
Ag 328.068†	22490.4	0.1942	mg/L	0.00032	0.1942	mg/L	0.00032	0.17%
Al 237.313†	272932.0	35.23	mg/L	0.056	35.23	mg/L	0.056	0.16%
As 188.979†	623.0	0.8021	mg/L	0.00758	0.8021	mg/L	0.00758	0.94%
B 182.528†	204.5	0.4044	mg/L	0.00621	0.4044	mg/L	0.00621	1.53%
B 249.677†	706.4	0.4124	mg/L	0.00611	0.4124	mg/L	0.00611	1.48%
Ba 233.527†	73020.9	1.008	mg/L	0.0026	1.008	mg/L	0.0026	0.26%
Be 313.107†	824142.9	0.4921	mg/L	0.00126	0.4921	mg/L	0.00126	0.26%
Ca 315.887†	3337578.0	31.43	mg/L	0.073	31.43	mg/L	0.073	0.23%
Cd 228.802†	12319.3	0.4330	mg/L	0.00141	0.4330	mg/L	0.00141	0.33%
Co 228.616†	24169.1	0.6028	mg/L	0.00018	0.6028	mg/L	0.00018	0.03%
Cr 267.716†	48770.3	0.5342	mg/L	0.00032	0.5342	mg/L	0.00032	0.06%
Cu 324.752†	96171.4	0.5388	mg/L	0.00047	0.5388	mg/L	0.00047	0.09%
Fe 234.349†	66013.4	56.57	mg/L	0.400	56.57	mg/L	0.400	0.71%
Fe 238.204†	5903925.8	49.89	mg/L	0.117	49.89	mg/L	0.117	0.24%
K 766.490†	24496.4	13.37	mg/L	0.104	13.37	mg/L	0.104	0.77%
Li 670.784†	1097.3	0.0345	mg/L	0.00011	0.0345	mg/L	0.00011	0.31%
Mg 279.077†	137317.9	12.08	mg/L	0.007	12.08	mg/L	0.007	0.06%
Mn 257.610†	897376.6	1.584	mg/L	0.0031	1.584	mg/L	0.0031	0.20%
Mo 202.031†	5463.9	0.2731	mg/L	0.00172	0.2731	mg/L	0.00172	0.63%
Na 589.592†	11595.1	1.998	mg/L	0.0018	1.998	mg/L	0.0018	0.09%
Ni 231.604†	9497.0	0.3332	mg/L	0.00126	0.3332	mg/L	0.00126	0.38%
P 214.914†	3874.5	2.454	mg/L	0.0159	2.454	mg/L	0.0159	0.65%
Pb 220.353†	4068.1	0.3355	mg/L	0.00121	0.3355	mg/L	0.00121	0.36%
Sb 206.836†	536.1	0.4256	mg/L	0.00095	0.4256	mg/L	0.00095	0.22%
Se 196.026†	589.1	0.5938	mg/L	0.00697	0.5938	mg/L	0.00697	1.17%
Sn 189.927†	3036.8	0.8493	mg/L	0.00714	0.8493	mg/L	0.00714	0.84%
Sr 407.771†	592120.5	0.6216	mg/L	0.00367	0.6216	mg/L	0.00367	0.59%
Ti 337.279†	531085.1	0.7495	mg/L	0.00149	0.7495	mg/L	0.00149	0.20%
Tl 190.801†	1373.6	0.9188	mg/L	0.01073	0.9188	mg/L	0.01073	1.17%
V 292.402†	63823.0	0.3917	mg/L	0.00070	0.3917	mg/L	0.00070	0.18%
Zn 213.857†	117671.1	1.261	mg/L	0.0016	1.261	mg/L	0.0016	0.13%

Sequence No.: 73

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/6/2012 8:55:26 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	1065.2	889.9	0.5197	mg/L	0.5197	mg/L	20:57:08
1	Fe 234.349†	3768.4	3168.8	2.723	mg/L	2.723	mg/L	20:57:08
1	K 766.490†	53617.9	44836.1	24.31	mg/L	24.31	mg/L	20:57:06
1	Li 670.784†	18829.2	15980.0	0.4942	mg/L	0.4942	mg/L	20:57:08
1	Na 589.592†	178588.9	149750.3	24.60	mg/L	24.60	mg/L	20:57:06
1	Sr 407.771†	57564.2	48186.2	0.0510	mg/L	0.0510	mg/L	20:57:06
1	Y 371.029	2951055.9	2951055.9	1.19	mg/L			20:57:16
1	Ag 328.068†	37270.9	29899.6	0.2532	mg/L	0.2532	mg/L	20:57:18
1	Al 237.313†	23285.2	19672.2	2.537	mg/L	2.537	mg/L	20:57:18
1	As 188.979†	495.5	412.9	0.5171	mg/L	0.5171	mg/L	20:57:29
1	B 182.528†	323.7	269.1	0.5304	mg/L	0.5304	mg/L	20:57:29
1	Ba 233.527†	44784.9	37645.2	0.5188	mg/L	0.5188	mg/L	20:57:18
1	Be 313.107†	99241.1	83815.1	0.0499	mg/L	0.0499	mg/L	20:57:18
1	Ca 315.887†	615334.1	516336.7	4.850	mg/L	4.850	mg/L	20:57:16
1	Cd 228.802†	8617.9	7170.7	0.2517	mg/L	0.2517	mg/L	20:57:29
1	Co 228.616†	24394.4	20540.6	0.5123	mg/L	0.5123	mg/L	20:57:18
1	Cr 267.716†	54674.4	45483.3	0.4983	mg/L	0.4983	mg/L	20:57:18
1	Cu 324.752†	109303.3	90511.9	0.5067	mg/L	0.5067	mg/L	20:57:18
1	Fe 238.204†	355108.2	297907.9	2.507	mg/L	2.507	mg/L	20:57:18
1	Mg 279.077†	69509.9	58209.1	5.098	mg/L	5.098	mg/L	20:57:18
1	Mn 257.610†	353282.5	295363.9	0.5195	mg/L	0.5195	mg/L	20:57:18
1	Mo 202.031†	11300.5	9458.1	0.5028	mg/L	0.5028	mg/L	20:57:29
1	Ni 231.604†	17829.2	14984.0	0.5280	mg/L	0.5280	mg/L	20:57:18
1	P 214.914†	10449.0	8427.8	5.035	mg/L	5.035	mg/L	20:57:29
1	Pb 220.353†	7000.7	5818.0	0.4965	mg/L	0.4965	mg/L	20:57:29
1	Sb 206.836†	777.2	615.6	0.5165	mg/L	0.5165	mg/L	20:57:29

1	Se 196.026†	1309.2	1098.8	1.065 mg/L	1.065 mg/L	20:57:29
1	Sn 189.927†	2799.3	2346.7	0.5359 mg/L	0.5359 mg/L	20:57:29
1	Ti 337.279†	402922.0	338656.8	0.4772 mg/L	0.4772 mg/L	20:57:16
1	Tl 190.801†	871.0	729.1	0.4995 mg/L	0.4995 mg/L	20:57:29
1	V 292.402†	95402.0	80760.0	0.5095 mg/L	0.5095 mg/L	20:57:18
1	Zn 213.857†	58956.0	48684.3	0.5185 mg/L	0.5185 mg/L	20:57:18
2	B 249.677†	1043.8	880.9	0.5145 mg/L	0.5145 mg/L	20:57:12
2	Fe 234.349†	3698.9	3142.2	2.700 mg/L	2.700 mg/L	20:57:12
2	K 766.490†	52735.0	44547.0	24.16 mg/L	24.16 mg/L	20:57:10
2	Li 670.784†	18556.8	15910.4	0.4920 mg/L	0.4920 mg/L	20:57:12
2	Na 589.592†	176078.7	149152.3	24.50 mg/L	24.50 mg/L	20:57:10
2	Sr 407.771†	56475.3	47756.3	0.0506 mg/L	0.0506 mg/L	20:57:10
2	Y 371.029	2921230.1	2921230.1	1.18 mg/L		20:57:31
2	Ag 328.068†	37253.4	30204.1	0.2557 mg/L	0.2557 mg/L	20:57:33
2	Al 237.313†	23253.2	19844.7	2.559 mg/L	2.559 mg/L	20:57:33
2	As 188.979†	498.3	419.6	0.5254 mg/L	0.5254 mg/L	20:57:44
2	B 182.528†	325.8	273.6	0.5393 mg/L	0.5393 mg/L	20:57:44
2	Ba 233.527†	44732.4	37984.4	0.5235 mg/L	0.5235 mg/L	20:57:33
2	Be 313.107†	98875.4	84355.5	0.0503 mg/L	0.0503 mg/L	20:57:33
2	Ca 315.887†	628366.3	532660.4	5.004 mg/L	5.004 mg/L	20:57:31
2	Cd 228.802†	8613.2	7240.6	0.2542 mg/L	0.2542 mg/L	20:57:44
2	Co 228.616†	24401.8	20755.9	0.5177 mg/L	0.5177 mg/L	20:57:33
2	Cr 267.716†	54740.4	46007.8	0.5041 mg/L	0.5041 mg/L	20:57:33
2	Cu 324.752†	108694.5	90932.4	0.5091 mg/L	0.5091 mg/L	20:57:33
2	Fe 238.204†	354335.5	300295.9	2.527 mg/L	2.527 mg/L	20:57:33
2	Mg 279.077†	69625.3	58902.7	5.159 mg/L	5.159 mg/L	20:57:33
2	Mn 257.610†	352944.3	298104.7	0.5243 mg/L	0.5243 mg/L	20:57:33
2	Mo 202.031†	11309.6	9562.7	0.5084 mg/L	0.5084 mg/L	20:57:44
2	Ni 231.604†	17832.5	15139.6	0.5335 mg/L	0.5335 mg/L	20:57:33
2	P 214.914†	10464.0	8530.1	5.096 mg/L	5.096 mg/L	20:57:44
2	Pb 220.353†	7007.2	5883.5	0.5021 mg/L	0.5021 mg/L	20:57:44
2	Sb 206.836†	777.3	622.3	0.5223 mg/L	0.5223 mg/L	20:57:44
2	Se 196.026†	1311.9	1112.4	1.078 mg/L	1.078 mg/L	20:57:44
2	Sn 189.927†	2829.1	2396.0	0.5469 mg/L	0.5469 mg/L	20:57:44
2	Ti 337.279†	411300.8	349214.5	0.4921 mg/L	0.4921 mg/L	20:57:31
2	Tl 190.801†	869.6	735.4	0.5039 mg/L	0.5039 mg/L	20:57:44
2	V 292.402†	95281.3	81475.2	0.5141 mg/L	0.5141 mg/L	20:57:33
2	Zn 213.857†	59006.7	49232.6	0.5244 mg/L	0.5244 mg/L	20:57:33

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2936143.0	1.19 mg/L	0.009			0.72%
Ag 328.068†	30051.9	0.2544 mg/L	0.00183	0.2544 mg/L	0.00183	0.72%
QC value within limits for Ag 328.068 Recovery = 101.78%						
Al 237.313†	19758.4	2.548 mg/L	0.0158	2.548 mg/L	0.0158	0.62%
QC value within limits for Al 237.313 Recovery = 101.93%						
As 188.979†	416.3	0.5213 mg/L	0.00584	0.5213 mg/L	0.00584	1.12%
QC value within limits for As 188.979 Recovery = 104.25%						
B 182.528†	271.3	0.5349 mg/L	0.00631	0.5349 mg/L	0.00631	1.18%
QC value within limits for B 182.528 Recovery = 106.97%						
B 249.677†	885.4	0.5171 mg/L	0.00371	0.5171 mg/L	0.00371	0.72%
QC value within limits for B 249.677 Recovery = 103.42%						
Ba 233.527†	37814.8	0.5211 mg/L	0.00332	0.5211 mg/L	0.00332	0.64%
QC value within limits for Ba 233.527 Recovery = 104.22%						
Be 313.107†	84085.3	0.0501 mg/L	0.00023	0.0501 mg/L	0.00023	0.46%
QC value within limits for Be 313.107 Recovery = 100.22%						
Ca 315.887†	524498.6	4.927 mg/L	0.1087	4.927 mg/L	0.1087	2.21%
QC value within limits for Ca 315.887 Recovery = 98.55%						
Cd 228.802†	7205.6	0.2529 mg/L	0.00173	0.2529 mg/L	0.00173	0.68%
QC value within limits for Cd 228.802 Recovery = 101.18%						
Co 228.616†	20648.3	0.5150 mg/L	0.00380	0.5150 mg/L	0.00380	0.74%
QC value within limits for Co 228.616 Recovery = 103.01%						
Cr 267.716†	45745.5	0.5012 mg/L	0.00409	0.5012 mg/L	0.00409	0.82%
QC value within limits for Cr 267.716 Recovery = 100.24%						
Cu 324.752†	90722.1	0.5079 mg/L	0.00168	0.5079 mg/L	0.00168	0.33%
QC value within limits for Cu 324.752 Recovery = 101.58%						
Fe 234.349†	3155.5	2.711 mg/L	0.0163	2.711 mg/L	0.0163	0.60%
QC value within limits for Fe 234.349 Recovery = 108.46%						
Fe 238.204†	299101.9	2.517 mg/L	0.0143	2.517 mg/L	0.0143	0.57%
QC value within limits for Fe 238.204 Recovery = 100.68%						
K 766.490†	44691.6	24.24 mg/L	0.110	24.24 mg/L	0.110	0.45%

	QC value within limits for K 766.490	Recovery = 96.94%					
Li	670.784†	15945.2	0.4931 mg/L	0.00152	0.4931 mg/L	0.00152	0.31%
	QC value within limits for Li 670.784	Recovery = 98.62%					
Mg	279.077†	58555.9	5.128 mg/L	0.0433	5.128 mg/L	0.0433	0.84%
	QC value within limits for Mg 279.077	Recovery = 102.57%					
Mn	257.610†	296734.3	0.5219 mg/L	0.00343	0.5219 mg/L	0.00343	0.66%
	QC value within limits for Mn 257.610	Recovery = 104.38%					
Mo	202.031†	9510.4	0.5056 mg/L	0.00394	0.5056 mg/L	0.00394	0.78%
	QC value within limits for Mo 202.031	Recovery = 101.12%					
Na	589.592†	149451.3	24.55 mg/L	0.069	24.55 mg/L	0.069	0.28%
	QC value within limits for Na 589.592	Recovery = 98.19%					
Ni	231.604†	15061.8	0.5308 mg/L	0.00390	0.5308 mg/L	0.00390	0.74%
	QC value within limits for Ni 231.604	Recovery = 106.16%					
P	214.914†	8478.9	5.066 mg/L	0.0430	5.066 mg/L	0.0430	0.85%
	QC value within limits for P 214.914	Recovery = 101.32%					
Pb	220.353†	5850.8	0.4993 mg/L	0.00398	0.4993 mg/L	0.00398	0.80%
	QC value within limits for Pb 220.353	Recovery = 99.86%					
Sb	206.836†	619.0	0.5194 mg/L	0.00404	0.5194 mg/L	0.00404	0.78%
	QC value within limits for Sb 206.836	Recovery = 103.88%					
Se	196.026†	1105.6	1.072 mg/L	0.0093	1.072 mg/L	0.0093	0.86%
	QC value within limits for Se 196.026	Recovery = 107.18%					
Sn	189.927†	2371.4	0.5414 mg/L	0.00783	0.5414 mg/L	0.00783	1.45%
	QC value within limits for Sn 189.927	Recovery = 108.28%					
Sr	407.771†	47971.3	0.0508 mg/L	0.00032	0.0508 mg/L	0.00032	0.63%
	QC value within limits for Sr 407.771	Recovery = 101.56%					
Ti	337.279†	343935.6	0.4846 mg/L	0.01056	0.4846 mg/L	0.01056	2.18%
	QC value within limits for Ti 337.279	Recovery = 96.93%					
Tl	190.801†	732.2	0.5017 mg/L	0.00308	0.5017 mg/L	0.00308	0.61%
	QC value within limits for Tl 190.801	Recovery = 100.34%					
V	292.402†	81117.6	0.5118 mg/L	0.00322	0.5118 mg/L	0.00322	0.63%
	QC value within limits for V 292.402	Recovery = 102.36%					
Zn	213.857†	48958.5	0.5214 mg/L	0.00414	0.5214 mg/L	0.00414	0.79%
	QC value within limits for Zn 213.857	Recovery = 104.29%					
All analyte(s) passed QC.							

Sequence No.: 74
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/6/2012 8:59:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Analysis Time
1	B 249.677†	8.6	2.6	0.0042	mg/L	0.0042 mg/L	21:01:19
1	Fe 234.349†	1.2	6.7	0.0242	mg/L	0.0242 mg/L	21:01:19
1	K 766.490†	327.1	89.2	0.2452	mg/L	0.2452 mg/L	21:01:09
1	Li 670.784†	-169.9	41.5	0.0019	mg/L	0.0019 mg/L	21:01:09
1	Na 589.592†	2971.8	2192.6	0.4599	mg/L	0.4599 mg/L	21:01:09
1	Sr 407.771†	204.4	30.2	0.0005	mg/L	0.0005 mg/L	21:01:09
1	Y 371.029	3141520.9	3141520.9	1.27	mg/L		21:01:43
1	Ag 328.068†	1359.9	-312.0	-0.0042	mg/L	-0.0042 mg/L	21:01:46
1	Al 237.313†	-115.5	36.4	-0.0031	mg/L	-0.0031 mg/L	21:01:56
1	As 188.979†	3.7	-0.1	0.0015	mg/L	0.0015 mg/L	21:01:56
1	B 182.528†	0.7	-2.1	0.0012	mg/L	0.0012 mg/L	21:01:56
1	Ba 233.527†	-32.5	28.8	-0.0015	mg/L	-0.0015 mg/L	21:01:56
1	Be 313.107†	-418.2	186.1	-0.0001	mg/L	-0.0001 mg/L	21:01:46
1	Ca 315.887†	419.8	179.2	-0.0145	mg/L	-0.0145 mg/L	21:01:46
1	Cd 228.802†	70.7	-7.1	-0.0003	mg/L	-0.0003 mg/L	21:01:56
1	Co 228.616†	-66.1	12.7	-0.0024	mg/L	-0.0024 mg/L	21:01:56
1	Cr 267.716†	406.4	-87.9	-0.0042	mg/L	-0.0042 mg/L	21:01:46
1	Cu 324.752†	1565.3	1.0	-0.0033	mg/L	-0.0033 mg/L	21:01:46
1	Fe 238.204†	485.0	225.7	-0.0098	mg/L	-0.0098 mg/L	21:01:56
1	Mg 279.077†	191.0	15.7	-0.0364	mg/L	-0.0364 mg/L	21:01:46
1	Mn 257.610†	538.8	-743.4	-0.0042	mg/L	-0.0042 mg/L	21:01:56
1	Mo 202.031†	25.4	-7.1	-0.0006	mg/L	-0.0006 mg/L	21:01:56
1	Ni 231.604†	-10.1	10.8	-0.0034	mg/L	-0.0034 mg/L	21:01:56
1	P 214.914†	339.3	-75.2	-0.0169	mg/L	-0.0169 mg/L	21:01:56
1	Pb 220.353†	36.7	-29.2	-0.0064	mg/L	-0.0064 mg/L	21:01:56
1	Sb 206.836†	33.8	-10.1	-0.0097	mg/L	-0.0097 mg/L	21:01:56
1	Se 196.026†	-2.4	-1.9	-0.0034	mg/L	-0.0034 mg/L	21:01:56

1	Sn 189.927†	-7.0	-8.4	-0.0045 mg/L	-0.0045 mg/L	21:01:56
1	Ti 337.279†	-250.2	261.8	-0.0017 mg/L	-0.0017 mg/L	21:01:46
1	Tl 190.801†	3.8	1.0	-0.0038 mg/L	-0.0038 mg/L	21:01:56
1	V 292.402†	-729.6	107.8	-0.0015 mg/L	-0.0015 mg/L	21:01:46
1	Zn 213.857†	998.3	-14.0	-0.0012 mg/L	-0.0012 mg/L	21:01:56
2	B 249.677†	6.2	0.8	0.0031 mg/L	0.0031 mg/L	21:01:40
2	Fe 234.349†	-9.0	-1.4	0.0173 mg/L	0.0173 mg/L	21:01:40
2	K 766.490†	348.7	108.0	0.2553 mg/L	0.2553 mg/L	21:01:30
2	Li 670.784†	-160.4	48.2	0.0021 mg/L	0.0021 mg/L	21:01:30
2	Na 589.592†	2926.1	2171.1	0.4564 mg/L	0.4564 mg/L	21:01:30
2	Sr 407.771†	249.1	66.7	0.0005 mg/L	0.0005 mg/L	21:01:30
2	Y 371.029	3121876.4	3121876.4	1.26 mg/L		21:01:58
2	Ag 328.068†	1342.0	-319.4	-0.0042 mg/L	-0.0042 mg/L	21:02:00
2	Al 237.313†	-150.6	8.0	-0.0068 mg/L	-0.0068 mg/L	21:02:11
2	As 188.979†	2.1	-1.3	0.0000 mg/L	0.0000 mg/L	21:02:11
2	B 182.528†	2.7	-0.5	0.0043 mg/L	0.0043 mg/L	21:02:11
2	Ba 233.527†	-38.3	24.0	-0.0016 mg/L	-0.0016 mg/L	21:02:11
2	Be 313.107†	-474.7	139.2	-0.0001 mg/L	-0.0001 mg/L	21:02:00
2	Ca 315.887†	669.1	379.2	-0.0127 mg/L	-0.0127 mg/L	21:02:00
2	Cd 228.802†	74.0	-4.1	-0.0002 mg/L	-0.0002 mg/L	21:02:11
2	Co 228.616†	-45.3	28.9	-0.0020 mg/L	-0.0020 mg/L	21:02:11
2	Cr 267.716†	435.4	-62.9	-0.0039 mg/L	-0.0039 mg/L	21:02:00
2	Cu 324.752†	1560.9	5.3	-0.0033 mg/L	-0.0033 mg/L	21:02:00
2	Fe 238.204†	443.4	195.1	-0.0101 mg/L	-0.0101 mg/L	21:02:11
2	Mg 279.077†	173.8	3.0	-0.0375 mg/L	-0.0375 mg/L	21:02:00
2	Mn 257.610†	587.0	-702.5	-0.0041 mg/L	-0.0041 mg/L	21:02:11
2	Mo 202.031†	47.9	10.9	0.0003 mg/L	0.0003 mg/L	21:02:11
2	Ni 231.604†	-5.3	14.6	-0.0033 mg/L	-0.0033 mg/L	21:02:11
2	P 214.914†	359.8	-57.2	-0.0062 mg/L	-0.0062 mg/L	21:02:11
2	Pb 220.353†	63.7	-7.6	-0.0045 mg/L	-0.0045 mg/L	21:02:11
2	Sb 206.836†	40.8	-4.5	-0.0049 mg/L	-0.0049 mg/L	21:02:11
2	Se 196.026†	5.9	4.6	0.0030 mg/L	0.0030 mg/L	21:02:11
2	Sn 189.927†	-8.0	-9.2	-0.0047 mg/L	-0.0047 mg/L	21:02:11
2	Ti 337.279†	-62.1	409.9	-0.0015 mg/L	-0.0015 mg/L	21:02:00
2	Tl 190.801†	2.8	0.2	-0.0043 mg/L	-0.0043 mg/L	21:02:11
2	V 292.402†	-723.5	109.0	-0.0015 mg/L	-0.0015 mg/L	21:02:00
2	Zn 213.857†	1027.9	14.4	-0.0009 mg/L	-0.0009 mg/L	21:02:11

Mean Data: CCBL

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3131698.7	1.26 mg/L	0.006			0.44%
Ag 328.068†	-315.7	-0.0042 mg/L	0.00005	-0.0042 mg/L	0.00005	1.08%
	QC value less than the lower limit for Ag 328.068 Recovery = Not calculated					
Al 237.313†	22.2	-0.0049 mg/L	0.00259	-0.0049 mg/L	0.00259	52.57%
	QC value within limits for Al 237.313 Recovery = Not calculated					
As 188.979†	-0.7	0.0008 mg/L	0.00111	0.0008 mg/L	0.00111	147.24%
	QC value within limits for As 188.979 Recovery = Not calculated					
B 182.528†	-1.3	0.0028 mg/L	0.00219	0.0028 mg/L	0.00219	78.83%
	QC value within limits for B 182.528 Recovery = Not calculated					
B 249.677†	1.7	0.0036 mg/L	0.00076	0.0036 mg/L	0.00076	21.02%
	QC value within limits for B 249.677 Recovery = Not calculated					
Ba 233.527†	26.4	-0.0015 mg/L	0.00005	-0.0015 mg/L	0.00005	3.04%
	QC value within limits for Ba 233.527 Recovery = Not calculated					
Be 313.107†	162.7	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	30.03%
	QC value within limits for Be 313.107 Recovery = Not calculated					
Ca 315.887†	279.2	-0.0136 mg/L	0.00133	-0.0136 mg/L	0.00133	9.78%
	QC value within limits for Ca 315.887 Recovery = Not calculated					
Cd 228.802†	-5.6	-0.0002 mg/L	0.00008	-0.0002 mg/L	0.00008	34.37%
	QC value within limits for Cd 228.802 Recovery = Not calculated					
Co 228.616†	20.8	-0.0022 mg/L	0.00029	-0.0022 mg/L	0.00029	13.01%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated					
Cr 267.716†	-75.4	-0.0040 mg/L	0.00020	-0.0040 mg/L	0.00020	4.84%
	QC value within limits for Cr 267.716 Recovery = Not calculated					
Cu 324.752†	3.1	-0.0033 mg/L	0.00002	-0.0033 mg/L	0.00002	0.52%
	QC value within limits for Cu 324.752 Recovery = Not calculated					
Fe 234.349†	2.6	0.0208 mg/L	0.00488	0.0208 mg/L	0.00488	23.52%
	QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated					
Fe 238.204†	210.4	-0.0099 mg/L	0.00018	-0.0099 mg/L	0.00018	1.84%
	QC value within limits for Fe 238.204 Recovery = Not calculated					
K 766.490†	98.6	0.2502 mg/L	0.00714	0.2502 mg/L	0.00714	2.85%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated					

Li	670.784†	44.8	0.0020 mg/L	0.00015	0.0020 mg/L	0.00015	7.39%
	QC value within limits for Li 670.784		Recovery =		Not calculated		
Mg	279.077†	9.4	-0.0370 mg/L	0.00079	-0.0370 mg/L	0.00079	2.14%
	QC value less than the lower limit for Mg 279.077		Recovery =		Not calculated		
Mn	257.610†	-723.0	-0.0042 mg/L	0.00005	-0.0042 mg/L	0.00005	1.23%
	QC value less than the lower limit for Mn 257.610		Recovery =		Not calculated		
Mo	202.031†	1.9	-0.0001 mg/L	0.00068	-0.0001 mg/L	0.00068	491.10%
	QC value within limits for Mo 202.031		Recovery =		Not calculated		
Na	589.592†	2181.8	0.4582 mg/L	0.00248	0.4582 mg/L	0.00248	0.54%
	QC value greater than the upper limit for Na 589.592		Recovery =		Not calculated		
Ni	231.604†	12.7	-0.0033 mg/L	0.00010	-0.0033 mg/L	0.00010	2.85%
	QC value less than the lower limit for Ni 231.604		Recovery =		Not calculated		
P	214.914†	-66.2	-0.0115 mg/L	0.00756	-0.0115 mg/L	0.00756	65.67%
	QC value within limits for P 214.914		Recovery =		Not calculated		
Pb	220.353†	-18.4	-0.0055 mg/L	0.00132	-0.0055 mg/L	0.00132	24.05%
	QC value within limits for Pb 220.353		Recovery =		Not calculated		
Sb	206.836†	-7.3	-0.0073 mg/L	0.00338	-0.0073 mg/L	0.00338	46.14%
	QC value within limits for Sb 206.836		Recovery =		Not calculated		
Se	196.026†	1.3	-0.0002 mg/L	0.00448	-0.0002 mg/L	0.00448	>999.9%
	QC value within limits for Se 196.026		Recovery =		Not calculated		
Sn	189.927†	-8.8	-0.0046 mg/L	0.00014	-0.0046 mg/L	0.00014	3.13%
	QC value within limits for Sn 189.927		Recovery =		Not calculated		
Sr	407.771†	48.4	0.0005 mg/L	0.00003	0.0005 mg/L	0.00003	5.35%
	QC value within limits for Sr 407.771		Recovery =		Not calculated		
Ti	337.279†	335.9	-0.0016 mg/L	0.00015	-0.0016 mg/L	0.00015	9.37%
	QC value less than the lower limit for Ti 337.279		Recovery =		Not calculated		
Tl	190.801†	0.6	-0.0040 mg/L	0.00037	-0.0040 mg/L	0.00037	9.24%
	QC value within limits for Tl 190.801		Recovery =		Not calculated		
V	292.402†	108.4	-0.0015 mg/L	0.00001	-0.0015 mg/L	0.00001	0.82%
	QC value less than the lower limit for V 292.402		Recovery =		Not calculated		
Zn	213.857†	0.2	-0.0011 mg/L	0.00022	-0.0011 mg/L	0.00022	20.10%
	QC value within limits for Zn 213.857		Recovery =		Not calculated		
QC Failed. Continue with analysis.							

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Sequence No.: 75                               Autosampler Location: 69
Sample ID: CJ20516-BSD1                       Date Collected: 10/6/2012 9:03:48 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
=====

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Replicate Data: CJ20516-BSD1							
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time	
1	B 249.677†	1015.5	851.3	0.4966 mg/L	0.4966 mg/L	21:05:34	
1	Fe 234.349†	90223.4	76012.5	65.14 mg/L	65.14 mg/L	21:05:32	
1	K 766.490†	26471.5	22131.6	12.10 mg/L	12.10 mg/L	21:05:34	
1	Li 670.784†	931.8	960.4	0.0302 mg/L	0.0302 mg/L	21:05:34	
1	Na 589.592†	11588.1	9611.5	1.673 mg/L	1.673 mg/L	21:05:34	
1	Sr 407.771†	681825.3	574258.3	0.6029 mg/L	0.6029 mg/L	21:05:32	
1	Y 371.029	2940315.1	2940315.1	1.19 mg/L		21:05:47	
1	Ag 328.068†	29282.9	23284.6	0.2017 mg/L	0.2017 mg/L	21:05:47	
1	Al 237.313†	337273.7	284256.5	36.70 mg/L	36.70 mg/L	21:05:47	
1	As 188.979†	893.0	749.3	0.9632 mg/L	0.9632 mg/L	21:05:57	
1	B 182.528†	343.1	286.4	0.5643 mg/L	0.5643 mg/L	21:05:57	
1	Ba 233.527†	93412.0	78747.3	1.088 mg/L	1.088 mg/L	21:05:47	
1	Be 313.107†	1107953.3	933887.6	0.5577 mg/L	0.5577 mg/L	21:05:47	
1	Ca 315.887†	4602380.8	3877026.2	36.51 mg/L	36.51 mg/L	21:05:43	
1	Cd 228.802†	16753.8	14051.0	0.4937 mg/L	0.4937 mg/L	21:05:57	
1	Co 228.616†	33274.8	28096.5	0.7014 mg/L	0.7014 mg/L	21:05:57	
1	Cr 267.716†	64639.2	54045.5	0.5924 mg/L	0.5924 mg/L	21:05:47	
1	Cu 324.752†	116911.4	97256.3	0.5449 mg/L	0.5449 mg/L	21:05:47	
1	Fe 238.204†	7931072.3	6681206.7	56.46 mg/L	56.46 mg/L	21:05:43	
1	Mg 279.077†	191305.4	161026.3	14.17 mg/L	14.17 mg/L	21:05:47	
1	Mn 257.610†	1176578.8	990015.6	1.748 mg/L	1.748 mg/L	21:05:47	
1	Mo 202.031†	7207.2	6044.4	0.3014 mg/L	0.3014 mg/L	21:05:57	
1	Ni 231.604†	13200.6	11139.3	0.3915 mg/L	0.3915 mg/L	21:05:57	
1	P 214.914†	6308.3	4971.6	3.127 mg/L	3.127 mg/L	21:05:57	
1	Pb 220.353†	5799.9	4827.9	0.4004 mg/L	0.4004 mg/L	21:05:57	
1	Sb 206.836†	795.6	633.5	0.5038 mg/L	0.5038 mg/L	21:05:57	
1	Se 196.026†	884.6	745.2	0.7489 mg/L	0.7489 mg/L	21:05:57	
1	Sn 189.927†	4179.3	3517.9	0.9832 mg/L	0.9832 mg/L	21:05:57	

1	Ti 337.279†	619862.1	522648.8	0.7375	mg/L	0.7375	mg/L	21:05:47
1	Tl 190.801†	1842.5	1550.2	1.037	mg/L	1.037	mg/L	21:05:57
1	V 292.402†	78869.5	67125.0	0.4113	mg/L	0.4113	mg/L	21:05:47
1	Zn 213.857†	164766.4	138002.8	1.479	mg/L	1.479	mg/L	21:05:47
2	B 249.677†	1048.0	878.7	0.5125	mg/L	0.5125	mg/L	21:05:38
2	Fe 234.349†	89157.0	75113.8	64.37	mg/L	64.37	mg/L	21:05:36
2	K 766.490†	26822.4	22427.1	12.26	mg/L	12.26	mg/L	21:05:38
2	Li 670.784†	1009.7	1026.1	0.0323	mg/L	0.0323	mg/L	21:05:38
2	Na 589.592†	11628.3	9645.4	1.679	mg/L	1.679	mg/L	21:05:38
2	Sr 407.771†	677734.6	570808.7	0.5993	mg/L	0.5993	mg/L	21:05:36
2	Y 371.029	2940333.0	2940333.0	1.19	mg/L			21:06:04
2	Ag 328.068†	29178.4	23196.4	0.2009	mg/L	0.2009	mg/L	21:06:04
2	Al 237.313†	335314.9	282604.7	36.48	mg/L	36.48	mg/L	21:06:04
2	As 188.979†	884.1	741.8	0.9535	mg/L	0.9535	mg/L	21:06:14
2	B 182.528†	336.7	281.0	0.5537	mg/L	0.5537	mg/L	21:06:14
2	Ba 233.527†	92295.4	77806.3	1.075	mg/L	1.075	mg/L	21:06:04
2	Be 313.107†	1092685.4	921019.9	0.5500	mg/L	0.5500	mg/L	21:06:04
2	Ca 315.887†	4505878.3	3795706.7	35.74	mg/L	35.74	mg/L	21:06:00
2	Cd 228.802†	16641.7	13956.5	0.4903	mg/L	0.4903	mg/L	21:06:14
2	Co 228.616†	32927.2	27803.5	0.6941	mg/L	0.6941	mg/L	21:06:14
2	Cr 267.716†	64098.1	53589.4	0.5873	mg/L	0.5873	mg/L	21:06:04
2	Cu 324.752†	116890.8	97238.3	0.5448	mg/L	0.5448	mg/L	21:06:04
2	Fe 238.204†	7764593.7	6540920.5	55.27	mg/L	55.27	mg/L	21:06:00
2	Mg 279.077†	188080.7	158308.7	13.93	mg/L	13.93	mg/L	21:06:04
2	Mn 257.610†	1165261.9	980476.0	1.731	mg/L	1.731	mg/L	21:06:04
2	Mo 202.031†	7193.2	6032.6	0.3010	mg/L	0.3010	mg/L	21:06:14
2	Ni 231.604†	12994.5	10965.7	0.3853	mg/L	0.3853	mg/L	21:06:14
2	P 214.914†	6191.7	4873.3	3.067	mg/L	3.067	mg/L	21:06:14
2	Pb 220.353†	5756.1	4790.9	0.3973	mg/L	0.3973	mg/L	21:06:14
2	Sb 206.836†	793.3	631.5	0.5025	mg/L	0.5025	mg/L	21:06:14
2	Se 196.026†	869.8	732.7	0.7364	mg/L	0.7364	mg/L	21:06:14
2	Sn 189.927†	4134.0	3479.7	0.9723	mg/L	0.9723	mg/L	21:06:14
2	Ti 337.279†	618644.0	521619.4	0.7361	mg/L	0.7361	mg/L	21:06:04
2	Tl 190.801†	1823.7	1534.4	1.026	mg/L	1.026	mg/L	21:06:14
2	V 292.402†	78242.5	66596.4	0.4081	mg/L	0.4081	mg/L	21:06:04
2	Zn 213.857†	162094.3	135750.9	1.455	mg/L	1.455	mg/L	21:06:04

Mean Data: CJ20516-BSD1

Analyte	Mean Corrected		Calib	Std.Dev.	Sample			
	Intensity	Conc.			Units	Conc.	Units	Std.Dev.
Y 371.029	2940324.0	1.19	mg/L	0.000				0.00%
Ag 328.068†	23240.5	0.2013	mg/L	0.00057	0.2013	mg/L	0.00057	0.28%
Al 237.313†	283430.6	36.59	mg/L	0.151	36.59	mg/L	0.151	0.41%
As 188.979†	745.6	0.9584	mg/L	0.00682	0.9584	mg/L	0.00682	0.71%
B 182.528†	283.7	0.5590	mg/L	0.00751	0.5590	mg/L	0.00751	1.34%
B 249.677†	865.0	0.5045	mg/L	0.01127	0.5045	mg/L	0.01127	2.23%
Ba 233.527†	78276.8	1.081	mg/L	0.0092	1.081	mg/L	0.0092	0.85%
Be 313.107†	927453.7	0.5539	mg/L	0.00544	0.5539	mg/L	0.00544	0.98%
Ca 315.887†	3836366.4	36.13	mg/L	0.542	36.13	mg/L	0.542	1.50%
Cd 228.802†	14003.8	0.4920	mg/L	0.00234	0.4920	mg/L	0.00234	0.48%
Co 228.616†	27950.0	0.6978	mg/L	0.00520	0.6978	mg/L	0.00520	0.75%
Cr 267.716†	53817.5	0.5899	mg/L	0.00355	0.5899	mg/L	0.00355	0.60%
Cu 324.752†	97247.3	0.5448	mg/L	0.00007	0.5448	mg/L	0.00007	0.01%
Fe 234.349†	75563.1	64.75	mg/L	0.544	64.75	mg/L	0.544	0.84%
Fe 238.204†	6611063.6	55.86	mg/L	0.838	55.86	mg/L	0.838	1.50%
K 766.490†	22279.4	12.18	mg/L	0.112	12.18	mg/L	0.112	0.92%
Li 670.784†	993.2	0.0313	mg/L	0.00143	0.0313	mg/L	0.00143	4.59%
Mg 279.077†	159667.5	14.05	mg/L	0.170	14.05	mg/L	0.170	1.21%
Mn 257.610†	985245.8	1.739	mg/L	0.0119	1.739	mg/L	0.0119	0.69%
Mo 202.031†	6038.5	0.3012	mg/L	0.00028	0.3012	mg/L	0.00028	0.09%
Na 589.592†	9628.5	1.676	mg/L	0.0039	1.676	mg/L	0.0039	0.23%
Ni 231.604†	11052.5	0.3884	mg/L	0.00435	0.3884	mg/L	0.00435	1.12%
P 214.914†	4922.4	3.097	mg/L	0.0426	3.097	mg/L	0.0426	1.38%
Pb 220.353†	4809.4	0.3989	mg/L	0.00219	0.3989	mg/L	0.00219	0.55%
Sb 206.836†	632.5	0.5032	mg/L	0.00093	0.5032	mg/L	0.00093	0.18%
Se 196.026†	738.9	0.7427	mg/L	0.00880	0.7427	mg/L	0.00880	1.18%
Sn 189.927†	3498.8	0.9777	mg/L	0.00769	0.9777	mg/L	0.00769	0.79%
Sr 407.771†	572533.5	0.6011	mg/L	0.00256	0.6011	mg/L	0.00256	0.43%
Ti 337.279†	522134.1	0.7368	mg/L	0.00103	0.7368	mg/L	0.00103	0.14%
Tl 190.801†	1542.3	1.032	mg/L	0.0075	1.032	mg/L	0.0075	0.73%
V 292.402†	66860.7	0.4097	mg/L	0.00226	0.4097	mg/L	0.00226	0.55%
Zn 213.857†	136876.9	1.467	mg/L	0.0171	1.467	mg/L	0.0171	1.17%

Sequence No.: 76
Sample ID: 1210124-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 10/6/2012 9:07:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210124-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	122.8	88.7	0.0541 mg/L	0.0541 mg/L	21:09:37
1	Fe 234.349†	309495.2	234111.8	200.7 mg/L	200.7 mg/L	21:09:35
1	K 766.490†	24246.4	18171.6	9.971 mg/L	9.971 mg/L	21:09:37
1	Li 670.784†	6844.0	5352.4	0.1659 mg/L	0.1659 mg/L	21:09:37
1	Na 589.592†	9660.6	7156.8	1.272 mg/L	1.272 mg/L	21:09:37
1	Sr 407.771†	204572.2	154610.0	0.1626 mg/L	0.1626 mg/L	21:09:35
1	Y 371.029	3274675.1	3274675.1	1.32 mg/L		21:09:51
1	Ag 328.068†	294.7	-1161.3	0.0041 mg/L	0.0041 mg/L	21:09:53
1	Al 237.313†	970912.3	734537.9	94.82 mg/L	94.82 mg/L	21:09:51
1	As 188.979†	132.5	97.2	0.2067 mg/L	0.2067 mg/L	21:10:03
1	B 182.528†	55.2	39.1	0.0816 mg/L	0.0816 mg/L	21:10:03
1	Ba 233.527†	84965.8	64323.6	0.8881 mg/L	0.8881 mg/L	21:09:53
1	Be 313.107†	19137.6	14991.8	0.0088 mg/L	0.0088 mg/L	21:09:53
1	Ca 315.887†	2271076.8	1717719.7	16.17 mg/L	16.17 mg/L	21:09:51
1	Cd 228.802†	605.6	395.3	0.0134 mg/L	0.0134 mg/L	21:10:03
1	Co 228.616†	4337.4	3345.8	0.0724 mg/L	0.0724 mg/L	21:10:03
1	Cr 267.716†	16363.9	11969.5	0.1286 mg/L	0.1286 mg/L	21:09:53
1	Cu 324.752†	374314.1	281902.7	1.588 mg/L	1.588 mg/L	21:09:51
1	Fe 238.204†	25268109.7	19112963.5	161.5 mg/L	161.5 mg/L	21:09:47
1	Mg 279.077†	414666.1	313523.8	27.63 mg/L	27.63 mg/L	21:09:51
1	Mn 257.610†	3206299.9	2424117.9	4.283 mg/L	4.283 mg/L	21:09:51
1	Mo 202.031†	437.9	304.1	-0.0476 mg/L	-0.0476 mg/L	21:09:53
1	Ni 231.604†	6216.9	4721.3	0.1636 mg/L	0.1636 mg/L	21:09:53
1	P 214.914†	12580.6	9173.4	5.929 mg/L	5.929 mg/L	21:10:03
1	Pb 220.353†	36205.4	27328.1	2.325 mg/L	2.325 mg/L	21:09:53
1	Sb 206.836†	94.4	34.6	-0.0609 mg/L	-0.0609 mg/L	21:10:03
1	Se 196.026†	-56.1	-42.5	0.0428 mg/L	0.0428 mg/L	21:10:03
1	Sn 189.927†	1055.0	795.2	0.7637 mg/L	0.7637 mg/L	21:10:03
1	Ti 337.279†	4242572.2	3209594.8	4.540 mg/L	4.540 mg/L	21:09:51
1	Tl 190.801†	6.1	2.6	-0.1237 mg/L	-0.1237 mg/L	21:10:03
1	V 292.402†	57209.0	43956.7	0.2324 mg/L	0.2324 mg/L	21:09:53
1	Zn 213.857†	221189.5	166509.4	1.785 mg/L	1.785 mg/L	21:09:53
2	B 249.677†	129.3	92.6	0.0563 mg/L	0.0563 mg/L	21:09:41
2	Fe 234.349†	309847.7	231876.5	198.8 mg/L	198.8 mg/L	21:09:39
2	K 766.490†	23854.8	17682.7	9.708 mg/L	9.708 mg/L	21:09:41
2	Li 670.784†	6716.3	5201.5	0.1613 mg/L	0.1613 mg/L	21:09:41
2	Na 589.592†	9554.2	6999.2	1.246 mg/L	1.246 mg/L	21:09:41
2	Sr 407.771†	204909.1	153210.2	0.1612 mg/L	0.1612 mg/L	21:09:39
2	Y 371.029	3310010.7	3310010.7	1.34 mg/L		21:10:10
2	Ag 328.068†	256.9	-1192.0	0.0037 mg/L	0.0037 mg/L	21:10:13
2	Al 237.313†	977688.1	731768.4	94.47 mg/L	94.47 mg/L	21:10:10
2	As 188.979†	132.7	96.3	0.2048 mg/L	0.2048 mg/L	21:10:23
2	B 182.528†	54.5	38.1	0.0797 mg/L	0.0797 mg/L	21:10:23
2	Ba 233.527†	85353.9	63928.0	0.8826 mg/L	0.8826 mg/L	21:10:13
2	Be 313.107†	19159.4	14853.6	0.0087 mg/L	0.0087 mg/L	21:10:13
2	Ca 315.887†	2277246.5	1703997.8	16.04 mg/L	16.04 mg/L	21:10:10
2	Cd 228.802†	591.4	379.8	0.0129 mg/L	0.0129 mg/L	21:10:23
2	Co 228.616†	4341.0	3313.4	0.0716 mg/L	0.0716 mg/L	21:10:23
2	Cr 267.716†	16362.2	11836.1	0.1272 mg/L	0.1272 mg/L	21:10:13
2	Cu 324.752†	377895.9	281560.5	1.586 mg/L	1.586 mg/L	21:10:10
2	Fe 238.204†	24744445.2	18517046.0	156.5 mg/L	156.5 mg/L	21:10:07
2	Mg 279.077†	415829.3	311045.9	27.41 mg/L	27.41 mg/L	21:10:10
2	Mn 257.610†	3223179.4	2410858.6	4.260 mg/L	4.260 mg/L	21:10:10
2	Mo 202.031†	497.7	345.4	-0.0448 mg/L	-0.0448 mg/L	21:10:13
2	Ni 231.604†	6218.1	4672.0	0.1618 mg/L	0.1618 mg/L	21:10:13
2	P 214.914†	12481.7	8997.8	5.820 mg/L	5.820 mg/L	21:10:23
2	Pb 220.353†	36305.6	27110.7	2.307 mg/L	2.307 mg/L	21:10:13
2	Sb 206.836†	94.3	33.7	-0.0607 mg/L	-0.0607 mg/L	21:10:23
2	Se 196.026†	-57.4	-43.0	0.0415 mg/L	0.0415 mg/L	21:10:23
2	Sn 189.927†	1046.4	780.2	0.7547 mg/L	0.7547 mg/L	21:10:23
2	Ti 337.279†	4279616.2	3203057.5	4.530 mg/L	4.530 mg/L	21:10:10

2	Tl 190.801†	5.9	2.4	-0.1228 mg/L	-0.1228 mg/L	21:10:23
2	V 292.402†	57365.5	43611.8	0.2306 mg/L	0.2306 mg/L	21:10:13
2	Zn 213.857†	221785.8	165169.5	1.771 mg/L	1.771 mg/L	21:10:13

Mean Data: 1210124-01

Analyte	Mean Corrected Intensity	Conc. Units	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3292342.9	1.33 mg/L		0.010			0.76%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 132.9%							
Ag 328.068†	-1176.7	0.0039 mg/L		0.00029	0.0039 mg/L	0.00029	7.43%
Al 237.313†	733153.2	94.64 mg/L		0.253	94.64 mg/L	0.253	0.27%
As 188.979†	96.7	0.2058 mg/L		0.00139	0.2058 mg/L	0.00139	0.68%
B 182.528†	38.6	0.0807 mg/L		0.00134	0.0807 mg/L	0.00134	1.66%
B 249.677†	90.7	0.0552 mg/L		0.00159	0.0552 mg/L	0.00159	2.88%
Ba 233.527†	64125.8	0.8853 mg/L		0.00387	0.8853 mg/L	0.00387	0.44%
Be 313.107†	14922.7	0.0088 mg/L		0.00006	0.0088 mg/L	0.00006	0.67%
Ca 315.887†	1710858.8	16.10 mg/L		0.091	16.10 mg/L	0.091	0.57%
Cd 228.802†	387.5	0.0131 mg/L		0.00039	0.0131 mg/L	0.00039	2.93%
Co 228.616†	3329.6	0.0720 mg/L		0.00056	0.0720 mg/L	0.00056	0.78%
Cr 267.716†	11902.8	0.1279 mg/L		0.00104	0.1279 mg/L	0.00104	0.81%
Cu 324.752†	281731.6	1.587 mg/L		0.0014	1.587 mg/L	0.0014	0.09%
Fe 234.349†	232994.2	199.7 mg/L		1.35	199.7 mg/L	1.35	0.68%
Fe 238.204†	18815004.7	159.0 mg/L		3.56	159.0 mg/L	3.56	2.24%
K 766.490†	17927.2	9.840 mg/L		0.1859	9.840 mg/L	0.1859	1.89%
Li 670.784†	5277.0	0.1636 mg/L		0.00329	0.1636 mg/L	0.00329	2.01%
Mg 279.077†	312284.8	27.52 mg/L		0.155	27.52 mg/L	0.155	0.56%
Mn 257.610†	2417488.3	4.271 mg/L		0.0166	4.271 mg/L	0.0166	0.39%
Mo 202.031†	324.7	-0.0462 mg/L		0.00198	-0.0462 mg/L	0.00198	4.29%
Na 589.592†	7078.0	1.259 mg/L		0.0182	1.259 mg/L	0.0182	1.45%
Ni 231.604†	4696.7	0.1627 mg/L		0.00123	0.1627 mg/L	0.00123	0.76%
P 214.914†	9085.6	5.874 mg/L		0.0770	5.874 mg/L	0.0770	1.31%
Pb 220.353†	27219.4	2.316 mg/L		0.0132	2.316 mg/L	0.0132	0.57%
Sb 206.836†	34.2	-0.0608 mg/L		0.00009	-0.0608 mg/L	0.00009	0.15%
Se 196.026†	-42.8	0.0421 mg/L		0.00091	0.0421 mg/L	0.00091	2.17%
Sn 189.927†	787.7	0.7592 mg/L		0.00636	0.7592 mg/L	0.00636	0.84%
Sr 407.771†	153910.1	0.1619 mg/L		0.00104	0.1619 mg/L	0.00104	0.64%
Ti 337.279†	3206326.1	4.535 mg/L		0.0065	4.535 mg/L	0.0065	0.14%
Tl 190.801†	2.5	-0.1232 mg/L		0.00069	-0.1232 mg/L	0.00069	0.56%
V 292.402†	43784.3	0.2315 mg/L		0.00126	0.2315 mg/L	0.00126	0.54%
Zn 213.857†	165839.5	1.778 mg/L		0.0102	1.778 mg/L	0.0102	0.57%
Internal Standard Check failed. Continue with analysis.							

Sequence No.: 77

Sample ID: 1210124-02

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 71

Date Collected: 10/6/2012 9:12:02 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210124-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	146.3	117.8	0.0710 mg/L		0.0710 mg/L	21:13:42
1	Fe 234.349†	310711.2	259036.5	221.9 mg/L		221.9 mg/L	21:13:40
1	K 766.490†	25268.9	20897.2	11.44 mg/L		11.44 mg/L	21:13:42
1	Li 670.784†	9043.1	7714.5	0.2389 mg/L		0.2389 mg/L	21:13:42
1	Na 589.592†	14502.7	11939.9	2.054 mg/L		2.054 mg/L	21:13:42
1	Sr 407.771†	613543.6	511362.2	0.5369 mg/L		0.5369 mg/L	21:13:40
1	Y 371.029	2971205.7	2971205.7	1.20 mg/L			21:13:57
1	Ag 328.068†	-237.8	-1582.4	0.0022 mg/L		0.0022 mg/L	21:13:57
1	Al 237.313†	1020808.2	851145.0	109.9 mg/L		109.9 mg/L	21:13:57
1	As 188.979†	81.0	64.6	0.1750 mg/L		0.1750 mg/L	21:14:07
1	B 182.528†	39.2	30.1	0.0640 mg/L		0.0640 mg/L	21:14:07
1	Ba 233.527†	80156.4	66878.5	0.9234 mg/L		0.9234 mg/L	21:13:57
1	Be 313.107†	11136.8	9800.3	0.0057 mg/L		0.0057 mg/L	21:13:57
1	Ca 315.887†	24304254.0	20261583.4	190.9 mg/L		190.9 mg/L	21:13:53
1	Cd 228.802†	409.8	278.8	0.0095 mg/L		0.0095 mg/L	21:14:07
1	Co 228.616†	3650.9	3108.5	0.0683 mg/L		0.0683 mg/L	21:14:07
1	Cr 267.716†	40543.4	33391.5	0.3645 mg/L		0.3645 mg/L	21:13:57
1	Cu 324.752†	202415.4	167514.5	0.9428 mg/L		0.9428 mg/L	21:13:57
1	Fe 238.204†	24561143.6	20475739.6	173.0 mg/L		173.0 mg/L	21:13:53

1	Mg	279.077†	519049.1	432580.9	38.12	mg/L	38.12	mg/L	21:13:57
1	Mn	257.610†	2164756.5	1803525.0	3.186	mg/L	3.186	mg/L	21:13:57
1	Mo	202.031†	525.0	410.6	-0.0481	mg/L	-0.0481	mg/L	21:14:07
1	Ni	231.604†	6439.1	5386.9	0.1871	mg/L	0.1871	mg/L	21:14:07
1	P	214.914†	14851.7	12038.7	7.696	mg/L	7.696	mg/L	21:14:07
1	Pb	220.353†	62327.5	51902.5	4.441	mg/L	4.441	mg/L	21:13:57
1	Sb	206.836†	330.5	238.7	0.1016	mg/L	0.1016	mg/L	21:14:07
1	Se	196.026†	-72.0	-60.1	0.0348	mg/L	0.0348	mg/L	21:14:07
1	Sn	189.927†	713.6	592.1	0.7803	mg/L	0.7803	mg/L	21:14:07
1	Ti	337.279†	3031627.1	2527836.7	3.575	mg/L	3.575	mg/L	21:13:57
1	Tl	190.801†	23.6	17.7	-0.1240	mg/L	-0.1240	mg/L	21:14:07
1	V	292.402†	53764.6	45505.0	0.2403	mg/L	0.2403	mg/L	21:13:57
1	Zn	213.857†	318194.0	264467.8	2.840	mg/L	2.840	mg/L	21:13:57
2	B	249.677†	123.6	98.4	0.0597	mg/L	0.0597	mg/L	21:13:47
2	Fe	234.349†	314406.3	260950.5	223.5	mg/L	223.5	mg/L	21:13:45
2	K	766.490†	24974.8	20559.4	11.26	mg/L	11.26	mg/L	21:13:47
2	Li	670.784†	8938.7	7594.3	0.2352	mg/L	0.2352	mg/L	21:13:47
2	Na	589.592†	14257.7	11682.7	2.012	mg/L	2.012	mg/L	21:13:47
2	Sr	407.771†	619405.6	513951.1	0.5396	mg/L	0.5396	mg/L	21:13:45
2	Y	371.029	2984487.4	2984487.4	1.20	mg/L	1.20	mg/L	21:14:15
2	Ag	328.068†	-312.5	-1643.6	0.0018	mg/L	0.0018	mg/L	21:14:15
2	Al	237.313†	1026197.1	851830.3	110.0	mg/L	110.0	mg/L	21:14:15
2	As	188.979†	82.0	65.1	0.1763	mg/L	0.1763	mg/L	21:14:25
2	B	182.528†	26.6	19.5	0.0433	mg/L	0.0433	mg/L	21:14:25
2	Ba	233.527†	80479.6	66849.3	0.9230	mg/L	0.9230	mg/L	21:14:15
2	Be	313.107†	11233.2	9839.0	0.0058	mg/L	0.0058	mg/L	21:14:15
2	Ca	315.887†	24371519.5	20227241.4	190.5	mg/L	190.5	mg/L	21:14:12
2	Cd	228.802†	411.5	278.7	0.0095	mg/L	0.0095	mg/L	21:14:25
2	Co	228.616†	3640.8	3086.6	0.0678	mg/L	0.0678	mg/L	21:14:25
2	Cr	267.716†	40677.3	33352.2	0.3641	mg/L	0.3641	mg/L	21:14:15
2	Cu	324.752†	203659.7	167796.2	0.9443	mg/L	0.9443	mg/L	21:14:15
2	Fe	238.204†	24614890.1	20429224.4	172.7	mg/L	172.7	mg/L	21:14:12
2	Mg	279.077†	521508.7	432696.6	38.13	mg/L	38.13	mg/L	21:14:15
2	Mn	257.610†	2176526.0	1805261.9	3.189	mg/L	3.189	mg/L	21:14:15
2	Mo	202.031†	543.5	424.0	-0.0479	mg/L	-0.0479	mg/L	21:14:25
2	Ni	231.604†	6378.3	5312.5	0.1845	mg/L	0.1845	mg/L	21:14:25
2	P	214.914†	14730.4	11882.9	7.607	mg/L	7.607	mg/L	21:14:25
2	Pb	220.353†	62678.1	51962.2	4.446	mg/L	4.446	mg/L	21:14:15
2	Sb	206.836†	321.3	229.8	0.0934	mg/L	0.0934	mg/L	21:14:25
2	Se	196.026†	-78.5	-65.2	0.0305	mg/L	0.0305	mg/L	21:14:25
2	Sn	189.927†	692.3	571.7	0.7805	mg/L	0.7805	mg/L	21:14:25
2	Ti	337.279†	3047668.6	2529903.0	3.578	mg/L	3.578	mg/L	21:14:15
2	Tl	190.801†	19.6	14.3	-0.1273	mg/L	-0.1273	mg/L	21:14:25
2	V	292.402†	54224.5	45687.2	0.2412	mg/L	0.2412	mg/L	21:14:15
2	Zn	213.857†	320117.3	264883.5	2.844	mg/L	2.844	mg/L	21:14:15

Mean Data: 1210124-02

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2977846.5	1.20	mg/L	0.004				0.32%
Ag 328.068†	-1613.0	0.0020	mg/L	0.00028	0.0020	mg/L	0.00028	14.17%
Al 237.313†	851487.6	109.9	mg/L	0.06	109.9	mg/L	0.06	0.06%
As 188.979†	64.8	0.1756	mg/L	0.00096	0.1756	mg/L	0.00096	0.54%
B 182.528†	24.8	0.0537	mg/L	0.01465	0.0537	mg/L	0.01465	27.30%
B 249.677†	108.1	0.0654	mg/L	0.00795	0.0654	mg/L	0.00795	12.16%
Ba 233.527†	66863.9	0.9232	mg/L	0.00029	0.9232	mg/L	0.00029	0.03%
Be 313.107†	9819.6	0.0057	mg/L	0.00002	0.0057	mg/L	0.00002	0.28%
Ca 315.887†	20244412.4	190.7	mg/L	0.23	190.7	mg/L	0.23	0.12%
Cd 228.802†	278.7	0.0095	mg/L	0.00000	0.0095	mg/L	0.00000	0.04%
Co 228.616†	3097.6	0.0680	mg/L	0.00039	0.0680	mg/L	0.00039	0.58%
Cr 267.716†	33371.9	0.3643	mg/L	0.00031	0.3643	mg/L	0.00031	0.08%
Cu 324.752†	167655.4	0.9435	mg/L	0.00112	0.9435	mg/L	0.00112	0.12%
Fe 234.349†	259993.5	222.7	mg/L	1.16	222.7	mg/L	1.16	0.52%
Fe 238.204†	20452482.0	172.9	mg/L	0.28	172.9	mg/L	0.28	0.16%
K 766.490†	20728.3	11.35	mg/L	0.128	11.35	mg/L	0.128	1.13%
Li 670.784†	7654.4	0.2370	mg/L	0.00263	0.2370	mg/L	0.00263	1.11%
Mg 279.077†	432638.8	38.13	mg/L	0.007	38.13	mg/L	0.007	0.02%
Mn 257.610†	1804393.4	3.187	mg/L	0.0022	3.187	mg/L	0.0022	0.07%
Mo 202.031†	417.3	-0.0480	mg/L	0.00014	-0.0480	mg/L	0.00014	0.30%
Na 589.592†	11811.3	2.033	mg/L	0.0297	2.033	mg/L	0.0297	1.46%
Ni 231.604†	5349.7	0.1858	mg/L	0.00186	0.1858	mg/L	0.00186	1.00%
P 214.914†	11960.8	7.651	mg/L	0.0628	7.651	mg/L	0.0628	0.82%

2	Mn 257.610†	3627672.3	2878638.6	5.087 mg/L	5.087 mg/L	21:18:19
2	Mo 202.031†	822.6	625.9	-0.0836 mg/L	-0.0836 mg/L	21:18:21
2	Ni 231.604†	19437.4	15449.1	0.5437 mg/L	0.5437 mg/L	21:18:21
2	P 214.914†	35321.8	27697.3	17.27 mg/L	17.27 mg/L	21:18:32
2	Pb 220.353†	214624.2	170320.0	14.65 mg/L	14.65 mg/L	21:18:21
2	Sb 206.836†	142.3	76.1	-0.0981 mg/L	-0.0981 mg/L	21:18:32
2	Se 196.026†	-111.3	-88.4	0.0677 mg/L	0.0677 mg/L	21:18:32
2	Sn 189.927†	5370.2	4260.3	2.023 mg/L	2.023 mg/L	21:18:32
2	Ti 337.279†	3860702.7	3065255.8	4.335 mg/L	4.335 mg/L	21:18:19
2	Tl 190.801†	5.9	2.7	-0.2163 mg/L	-0.2163 mg/L	21:18:32
2	V 292.402†	90879.7	72827.4	0.3846 mg/L	0.3846 mg/L	21:18:21
2	Zn 213.857†	1040460.5	825162.5	8.858 mg/L	8.858 mg/L	21:18:19

Mean Data: 1210124-03

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3111241.5	1.26 mg/L		0.005			0.41%
Ag 328.068†	2994.0	0.0524 mg/L		0.00069	0.0524 mg/L	0.00069	1.32%
Al 237.313†	871566.2	112.5 mg/L		0.12	112.5 mg/L	0.12	0.10%
As 188.979†	129.9	0.3180 mg/L		0.00292	0.3180 mg/L	0.00292	0.92%
B 182.528†	41.1	0.0856 mg/L		0.00257	0.0856 mg/L	0.00257	3.00%
B 249.677†	117.0	0.0705 mg/L		0.00324	0.0705 mg/L	0.00324	4.60%
Ba 233.527†	309660.2	4.283 mg/L		0.0121	4.283 mg/L	0.0121	0.28%
Be 313.107†	11456.7	0.0067 mg/L		0.00007	0.0067 mg/L	0.00007	1.02%
Ca 315.887†	8926203.8	84.07 mg/L		0.201	84.07 mg/L	0.201	0.24%
Cd 228.802†	1263.1	0.0440 mg/L		0.00040	0.0440 mg/L	0.00040	0.92%
Co 228.616†	4415.5	0.0996 mg/L		0.00062	0.0996 mg/L	0.00062	0.62%
Cr 267.716†	40017.1	0.4375 mg/L		0.00158	0.4375 mg/L	0.00158	0.36%
Cu 324.752†	922111.1	5.192 mg/L		0.0053	5.192 mg/L	0.0053	0.10%
Fe 234.349†	430591.7	369.0 mg/L		7.79	369.0 mg/L	7.79	2.11%
Fe 238.204†	29367728.1	248.2 mg/L		0.09	248.2 mg/L	0.09	0.04%
K 766.490†	19858.8	10.88 mg/L		0.027	10.88 mg/L	0.027	0.25%
Li 670.784†	5771.0	0.1788 mg/L		0.00049	0.1788 mg/L	0.00049	0.28%
Mg 279.077†	378321.5	33.35 mg/L		0.094	33.35 mg/L	0.094	0.28%
Mn 257.610†	2877679.7	5.085 mg/L		0.0024	5.085 mg/L	0.0024	0.05%
Mo 202.031†	666.6	-0.0831 mg/L		0.00065	-0.0831 mg/L	0.00065	0.78%
Na 589.592†	22972.4	3.859 mg/L		0.0030	3.859 mg/L	0.0030	0.08%
Ni 231.604†	15488.4	0.5451 mg/L		0.00197	0.5451 mg/L	0.00197	0.36%
P 214.914†	27493.6	17.16 mg/L		0.153	17.16 mg/L	0.153	0.89%
Pb 220.353†	170639.6	14.68 mg/L		0.039	14.68 mg/L	0.039	0.27%
Sb 206.836†	83.8	-0.0941 mg/L		0.00566	-0.0941 mg/L	0.00566	6.02%
Se 196.026†	-89.7	0.0687 mg/L		0.00153	0.0687 mg/L	0.00153	2.22%
Sn 189.927†	4240.7	2.035 mg/L		0.0165	2.035 mg/L	0.0165	0.81%
Sr 407.771†	465288.2	0.4886 mg/L		0.01017	0.4886 mg/L	0.01017	2.08%
Ti 337.279†	3063434.1	4.333 mg/L		0.0036	4.333 mg/L	0.0036	0.08%
Tl 190.801†	2.2	-0.2197 mg/L		0.00490	-0.2197 mg/L	0.00490	2.23%
V 292.402†	73079.5	0.3852 mg/L		0.00080	0.3852 mg/L	0.00080	0.21%
Zn 213.857†	824867.1	8.855 mg/L		0.0045	8.855 mg/L	0.0045	0.05%

Sequence No.: 79

Sample ID: 1210124-04

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 73

Date Collected: 10/6/2012 9:20:08 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210124-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	59.7	43.7	0.0279 mg/L	0.0279 mg/L	21:21:51
1	Fe 234.349†	342819.6	275128.4	235.8 mg/L	235.8 mg/L	21:21:48
1	K 766.490†	19687.7	15631.3	8.605 mg/L	8.605 mg/L	21:21:51
1	Li 670.784†	8287.2	6826.2	0.2114 mg/L	0.2114 mg/L	21:21:51
1	Na 589.592†	11319.3	8933.5	1.563 mg/L	1.563 mg/L	21:21:51
1	Sr 407.771†	383575.1	307699.1	0.3232 mg/L	0.3232 mg/L	21:21:48
1	Y 371.029	3086500.6	3086500.6	1.25 mg/L		21:22:05
1	Ag 328.068†	195.8	-1227.1	0.0063 mg/L	0.0063 mg/L	21:22:05
1	Al 237.313†	926833.8	743938.4	96.04 mg/L	96.04 mg/L	21:22:05
1	As 188.979†	86.9	66.8	0.1834 mg/L	0.1834 mg/L	21:22:16
1	B 182.528†	27.9	19.8	0.0439 mg/L	0.0439 mg/L	21:22:16
1	Ba 233.527†	150070.4	120490.3	1.665 mg/L	1.665 mg/L	21:22:05

1	Be	313.107†	11418.5	9679.5	0.0056	mg/L	0.0056	mg/L	21:22:05
1	Ca	315.887†	9113301.5	7313536.2	68.88	mg/L	68.88	mg/L	21:22:02
1	Cd	228.802†	457.0	303.9	0.0103	mg/L	0.0103	mg/L	21:22:16
1	Co	228.616†	4004.7	3278.7	0.0723	mg/L	0.0723	mg/L	21:22:16
1	Cr	267.716†	30116.8	23761.2	0.2585	mg/L	0.2585	mg/L	21:22:05
1	Cu	324.752†	245909.9	196116.6	1.104	mg/L	1.104	mg/L	21:22:05
1	Fe	238.204†	25146561.7	20180686.1	170.6	mg/L	170.6	mg/L	21:22:02
1	Mg	279.077†	428049.9	343387.5	30.26	mg/L	30.26	mg/L	21:22:05
1	Mn	257.610†	2394043.5	1920120.9	3.392	mg/L	3.392	mg/L	21:22:05
1	Mo	202.031†	490.3	366.3	-0.0548	mg/L	-0.0548	mg/L	21:22:16
1	Ni	231.604†	7273.3	5855.8	0.2038	mg/L	0.2038	mg/L	21:22:16
1	P	214.914†	15869.6	12393.1	7.936	mg/L	7.936	mg/L	21:22:16
1	Pb	220.353†	105362.3	84498.2	7.257	mg/L	7.257	mg/L	21:22:05
1	Sb	206.836†	104.4	47.0	-0.0660	mg/L	-0.0660	mg/L	21:22:16
1	Se	196.026†	-69.7	-56.0	0.0446	mg/L	0.0446	mg/L	21:22:16
1	Sn	189.927†	668.3	533.5	0.8073	mg/L	0.8073	mg/L	21:22:16
1	Ti	337.279†	3258251.4	2615300.1	3.699	mg/L	3.699	mg/L	21:22:05
1	Tl	190.801†	26.2	19.0	-0.1312	mg/L	-0.1312	mg/L	21:22:16
1	V	292.402†	64789.4	52678.4	0.2819	mg/L	0.2819	mg/L	21:22:05
1	Zn	213.857†	446372.7	357425.8	3.839	mg/L	3.839	mg/L	21:22:05
2	B	249.677†	73.9	54.3	0.0340	mg/L	0.0340	mg/L	21:21:55
2	Fe	234.349†	338369.2	267803.3	229.5	mg/L	229.5	mg/L	21:21:53
2	K	766.490†	19459.1	15231.9	8.390	mg/L	8.390	mg/L	21:21:55
2	Li	670.784†	8114.7	6597.7	0.2044	mg/L	0.2044	mg/L	21:21:55
2	Na	589.592†	11237.1	8742.8	1.531	mg/L	1.531	mg/L	21:21:55
2	Sr	407.771†	379083.4	299889.3	0.3151	mg/L	0.3151	mg/L	21:21:53
2	Y	371.029	3129761.0	3129761.0	1.26	mg/L	1.26	mg/L	21:22:24
2	Ag	328.068†	134.2	-1278.0	0.0053	mg/L	0.0053	mg/L	21:22:24
2	Al	237.313†	940357.0	744360.0	96.09	mg/L	96.09	mg/L	21:22:24
2	As	188.979†	85.8	64.9	0.1785	mg/L	0.1785	mg/L	21:22:34
2	B	182.528†	34.0	24.2	0.0527	mg/L	0.0527	mg/L	21:22:34
2	Ba	233.527†	152536.4	120777.2	1.669	mg/L	1.669	mg/L	21:22:24
2	Be	313.107†	11535.4	9645.3	0.0056	mg/L	0.0056	mg/L	21:22:24
2	Ca	315.887†	9233121.7	7307274.6	68.82	mg/L	68.82	mg/L	21:22:20
2	Cd	228.802†	450.0	293.4	0.0100	mg/L	0.0100	mg/L	21:22:34
2	Co	228.616†	4085.3	3298.1	0.0728	mg/L	0.0728	mg/L	21:22:34
2	Cr	267.716†	30747.3	23926.2	0.2603	mg/L	0.2603	mg/L	21:22:24
2	Cu	324.752†	249655.2	196352.9	1.105	mg/L	1.105	mg/L	21:22:24
2	Fe	238.204†	25427957.1	20124448.0	170.1	mg/L	170.1	mg/L	21:22:20
2	Mg	279.077†	435577.0	344596.5	30.37	mg/L	30.37	mg/L	21:22:24
2	Mn	257.610†	2430228.1	1922202.2	3.396	mg/L	3.396	mg/L	21:22:24
2	Mo	202.031†	500.8	369.2	-0.0527	mg/L	-0.0527	mg/L	21:22:34
2	Ni	231.604†	7343.8	5830.9	0.2029	mg/L	0.2029	mg/L	21:22:34
2	P	214.914†	16018.1	12334.6	7.886	mg/L	7.886	mg/L	21:22:34
2	Pb	220.353†	106979.8	84609.5	7.266	mg/L	7.266	mg/L	21:22:24
2	Sb	206.836†	100.9	43.0	-0.0666	mg/L	-0.0666	mg/L	21:22:34
2	Se	196.026†	-75.6	-59.9	0.0382	mg/L	0.0382	mg/L	21:22:34
2	Sn	189.927†	680.3	535.6	0.7895	mg/L	0.7895	mg/L	21:22:34
2	Ti	337.279†	3300885.7	2612899.4	3.695	mg/L	3.695	mg/L	21:22:24
2	Tl	190.801†	23.1	16.3	-0.1295	mg/L	-0.1295	mg/L	21:22:34
2	V	292.402†	65646.8	52638.3	0.2829	mg/L	0.2829	mg/L	21:22:24
2	Zn	213.857†	453807.7	358358.7	3.849	mg/L	3.849	mg/L	21:22:24

Mean Data: 1210124-04

Analyte	Mean Corrected		Calib	Std.Dev.	Sample			RSD
	Intensity	Conc.			Units	Std.Dev.	Conc.	
Y 371.029	3108130.8	1.25	mg/L	0.012				0.98%
Ag 328.068†	-1252.5	0.0058	mg/L	0.00065	0.0058	mg/L	0.00065	11.18%
Al 237.313†	744149.2	96.06	mg/L	0.038	96.06	mg/L	0.038	0.04%
As 188.979†	65.8	0.1809	mg/L	0.00352	0.1809	mg/L	0.00352	1.94%
B 182.528†	22.0	0.0483	mg/L	0.00618	0.0483	mg/L	0.00618	12.80%
B 249.677†	49.0	0.0310	mg/L	0.00435	0.0310	mg/L	0.00435	14.06%
Ba 233.527†	120633.7	1.667	mg/L	0.0028	1.667	mg/L	0.0028	0.17%
Be 313.107†	9662.4	0.0056	mg/L	0.00001	0.0056	mg/L	0.00001	0.25%
Ca 315.887†	7310405.4	68.85	mg/L	0.042	68.85	mg/L	0.042	0.06%
Cd 228.802†	298.7	0.0102	mg/L	0.00026	0.0102	mg/L	0.00026	2.54%
Co 228.616†	3288.4	0.0726	mg/L	0.00035	0.0726	mg/L	0.00035	0.48%
Cr 267.716†	23843.7	0.2594	mg/L	0.00128	0.2594	mg/L	0.00128	0.50%
Cu 324.752†	196234.7	1.105	mg/L	0.0009	1.105	mg/L	0.0009	0.09%
Fe 234.349†	271465.9	232.7	mg/L	4.44	232.7	mg/L	4.44	1.91%
Fe 238.204†	20152567.1	170.3	mg/L	0.34	170.3	mg/L	0.34	0.20%
K 766.490†	15431.6	8.497	mg/L	0.1519	8.497	mg/L	0.1519	1.79%

Li 670.784†	6711.9	0.2079 mg/L	0.00499	0.2079 mg/L	0.00499	2.40%
Mg 279.077†	343992.0	30.31 mg/L	0.075	30.31 mg/L	0.075	0.25%
Mn 257.610†	1921161.6	3.394 mg/L	0.0026	3.394 mg/L	0.0026	0.08%
Mo 202.031†	367.8	-0.0538 mg/L	0.00149	-0.0538 mg/L	0.00149	2.77%
Na 589.592†	8838.2	1.547 mg/L	0.0221	1.547 mg/L	0.0221	1.43%
Ni 231.604†	5843.4	0.2033 mg/L	0.00062	0.2033 mg/L	0.00062	0.31%
P 214.914†	12363.8	7.911 mg/L	0.0351	7.911 mg/L	0.0351	0.44%
Pb 220.353†	84553.9	7.261 mg/L	0.0068	7.261 mg/L	0.0068	0.09%
Sb 206.836†	45.0	-0.0663 mg/L	0.00041	-0.0663 mg/L	0.00041	0.62%
Se 196.026†	-58.0	0.0414 mg/L	0.00455	0.0414 mg/L	0.00455	10.99%
Sn 189.927†	534.5	0.7984 mg/L	0.01265	0.7984 mg/L	0.01265	1.58%
Sr 407.771†	303794.2	0.3191 mg/L	0.00579	0.3191 mg/L	0.00579	1.82%
Ti 337.279†	2614099.8	3.697 mg/L	0.0024	3.697 mg/L	0.0024	0.06%
Tl 190.801†	17.6	-0.1303 mg/L	0.00119	-0.1303 mg/L	0.00119	0.91%
V 292.402†	52658.4	0.2824 mg/L	0.00067	0.2824 mg/L	0.00067	0.24%
Zn 213.857†	357892.3	3.844 mg/L	0.0071	3.844 mg/L	0.0071	0.18%

Sequence No.: 80
Sample ID: CJ20516-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 10/6/2012 9:24:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20516-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	66.6	49.8	0.0314 mg/L	0.0314 mg/L	21:25:52
1	Fe 234.349†	354779.2	287453.7	246.3 mg/L	246.3 mg/L	21:25:49
1	K 766.490†	19986.3	16024.5	8.816 mg/L	8.816 mg/L	21:25:52
1	Li 670.784†	8918.0	7401.0	0.2292 mg/L	0.2292 mg/L	21:25:52
1	Na 589.592†	11718.4	9343.9	1.630 mg/L	1.630 mg/L	21:25:52
1	Sr 407.771†	404413.7	327531.7	0.3441 mg/L	0.3441 mg/L	21:25:49
1	Y 371.029	3057214.8	3057214.8	1.23 mg/L		21:26:06
1	Ag 328.068†	72.2	-1325.7	0.0062 mg/L	0.0062 mg/L	21:26:06
1	Al 237.313†	995550.6	806739.1	104.1 mg/L	104.1 mg/L	21:26:06
1	As 188.979†	85.6	66.4	0.1874 mg/L	0.1874 mg/L	21:26:16
1	B 182.528†	25.0	17.6	0.0397 mg/L	0.0397 mg/L	21:26:16
1	Ba 233.527†	148474.2	120350.7	1.663 mg/L	1.663 mg/L	21:26:06
1	Be 313.107†	11135.4	9538.0	0.0056 mg/L	0.0056 mg/L	21:26:06
1	Ca 315.887†	10435127.0	8454560.8	79.63 mg/L	79.63 mg/L	21:26:03
1	Cd 228.802†	481.8	327.5	0.0112 mg/L	0.0112 mg/L	21:26:16
1	Co 228.616†	4010.9	3314.6	0.0732 mg/L	0.0732 mg/L	21:26:16
1	Cr 267.716†	28939.0	23038.5	0.2505 mg/L	0.2505 mg/L	21:26:06
1	Cu 324.752†	217774.0	175210.9	0.9862 mg/L	0.9862 mg/L	21:26:06
1	Fe 238.204†	26667831.2	21606561.3	182.6 mg/L	182.6 mg/L	21:26:03
1	Mg 279.077†	461071.5	373432.8	32.91 mg/L	32.91 mg/L	21:26:06
1	Mn 257.610†	2317097.0	1876182.1	3.314 mg/L	3.314 mg/L	21:26:06
1	Mo 202.031†	561.0	427.4	-0.0548 mg/L	-0.0548 mg/L	21:26:16
1	Ni 231.604†	7744.5	6293.5	0.2193 mg/L	0.2193 mg/L	21:26:16
1	P 214.914†	15997.9	12619.0	8.098 mg/L	8.098 mg/L	21:26:16
1	Pb 220.353†	114355.1	92594.3	7.953 mg/L	7.953 mg/L	21:26:06
1	Sb 206.836†	106.2	49.2	-0.0688 mg/L	-0.0688 mg/L	21:26:16
1	Se 196.026†	-68.7	-55.7	0.0494 mg/L	0.0494 mg/L	21:26:16
1	Sn 189.927†	416.0	334.2	0.7932 mg/L	0.7932 mg/L	21:26:16
1	Ti 337.279†	3243937.0	2628750.6	3.718 mg/L	3.718 mg/L	21:26:06
1	Tl 190.801†	11.3	7.1	-0.1455 mg/L	-0.1455 mg/L	21:26:16
1	V 292.402†	64129.3	52641.7	0.2797 mg/L	0.2797 mg/L	21:26:06
1	Zn 213.857†	424953.3	343503.0	3.689 mg/L	3.689 mg/L	21:26:06
2	B 249.677†	68.6	51.3	0.0323 mg/L	0.0323 mg/L	21:25:56
2	Fe 234.349†	349547.0	282596.0	242.2 mg/L	242.2 mg/L	21:25:54
2	K 766.490†	20161.5	16130.8	8.873 mg/L	8.873 mg/L	21:25:56
2	Li 670.784†	8889.4	7362.1	0.2280 mg/L	0.2280 mg/L	21:25:56
2	Na 589.592†	11867.0	9443.3	1.646 mg/L	1.646 mg/L	21:25:56
2	Sr 407.771†	398979.6	322423.0	0.3387 mg/L	0.3387 mg/L	21:25:54
2	Y 371.029	3063905.7	3063905.7	1.24 mg/L		21:26:25
2	Ag 328.068†	60.3	-1335.5	0.0058 mg/L	0.0058 mg/L	21:26:25
2	Al 237.313†	1000047.4	808613.0	104.4 mg/L	104.4 mg/L	21:26:25
2	As 188.979†	84.5	65.3	0.1843 mg/L	0.1843 mg/L	21:26:35
2	B 182.528†	24.6	17.3	0.0391 mg/L	0.0391 mg/L	21:26:35
2	Ba 233.527†	149534.7	120945.3	1.672 mg/L	1.672 mg/L	21:26:25
2	Be 313.107†	11265.3	9623.2	0.0056 mg/L	0.0056 mg/L	21:26:25

2	Ca	315.887†	10439293.9	8439466.3	79.49	mg/L	79.49	mg/L	21:26:21
2	Cd	228.802†	479.8	325.1	0.0111	mg/L	0.0111	mg/L	21:26:35
2	Co	228.616†	4001.3	3299.7	0.0728	mg/L	0.0728	mg/L	21:26:35
2	Cr	267.716†	29027.6	23058.9	0.2508	mg/L	0.2508	mg/L	21:26:25
2	Cu	324.752†	218227.8	175192.4	0.9861	mg/L	0.9861	mg/L	21:26:25
2	Fe	238.204†	26671118.9	21562034.9	182.2	mg/L	182.2	mg/L	21:26:21
2	Mg	279.077†	462771.0	373991.0	32.96	mg/L	32.96	mg/L	21:26:25
2	Mn	257.610†	2328217.7	1881072.9	3.323	mg/L	3.323	mg/L	21:26:25
2	Mo	202.031†	534.1	404.7	-0.0547	mg/L	-0.0547	mg/L	21:26:35
2	Ni	231.604†	7694.6	6239.5	0.2174	mg/L	0.2174	mg/L	21:26:35
2	P	214.914†	15874.2	12490.7	8.011	mg/L	8.011	mg/L	21:26:35
2	Pb	220.353†	115238.0	93105.7	7.997	mg/L	7.997	mg/L	21:26:25
2	Sb	206.836†	109.7	51.9	-0.0647	mg/L	-0.0647	mg/L	21:26:35
2	Se	196.026†	-67.3	-54.4	0.0489	mg/L	0.0489	mg/L	21:26:35
2	Sn	189.927†	415.0	332.6	0.7806	mg/L	0.7806	mg/L	21:26:35
2	Ti	337.279†	3252055.5	2629574.3	3.719	mg/L	3.719	mg/L	21:26:25
2	Tl	190.801†	12.5	8.1	-0.1424	mg/L	-0.1424	mg/L	21:26:35
2	V	292.402†	64370.4	52723.2	0.2809	mg/L	0.2809	mg/L	21:26:25
2	Zn	213.857†	426255.7	343804.1	3.692	mg/L	3.692	mg/L	21:26:25

Mean Data: CJ20516-DUP1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3060560.2	1.24	mg/L	0.002				0.15%
Ag 328.068†	-1330.6	0.0060	mg/L	0.00029	0.0060	mg/L	0.00029	4.74%
Al 237.313†	807676.0	104.3	mg/L	0.17	104.3	mg/L	0.17	0.16%
As 188.979†	65.9	0.1859	mg/L	0.00215	0.1859	mg/L	0.00215	1.16%
B 182.528†	17.4	0.0394	mg/L	0.00041	0.0394	mg/L	0.00041	1.05%
B 249.677†	50.5	0.0318	mg/L	0.00060	0.0318	mg/L	0.00060	1.90%
Ba 233.527†	120648.0	1.667	mg/L	0.0058	1.667	mg/L	0.0058	0.35%
Be 313.107†	9580.6	0.0056	mg/L	0.00004	0.0056	mg/L	0.00004	0.65%
Ca 315.887†	8447013.5	79.56	mg/L	0.101	79.56	mg/L	0.101	0.13%
Cd 228.802†	326.3	0.0111	mg/L	0.00006	0.0111	mg/L	0.00006	0.51%
Co 228.616†	3307.2	0.0730	mg/L	0.00027	0.0730	mg/L	0.00027	0.36%
Cr 267.716†	23048.7	0.2506	mg/L	0.00016	0.2506	mg/L	0.00016	0.06%
Cu 324.752†	175201.7	0.9862	mg/L	0.00007	0.9862	mg/L	0.00007	0.01%
Fe 234.349†	285024.9	244.3	mg/L	2.94	244.3	mg/L	2.94	1.21%
Fe 238.204†	21584298.1	182.4	mg/L	0.27	182.4	mg/L	0.27	0.15%
K 766.490†	16077.7	8.845	mg/L	0.0404	8.845	mg/L	0.0404	0.46%
Li 670.784†	7381.5	0.2286	mg/L	0.00085	0.2286	mg/L	0.00085	0.37%
Mg 279.077†	373711.9	32.93	mg/L	0.035	32.93	mg/L	0.035	0.11%
Mn 257.610†	1878627.5	3.319	mg/L	0.0061	3.319	mg/L	0.0061	0.18%
Mo 202.031†	416.0	-0.0548	mg/L	0.00006	-0.0548	mg/L	0.00006	0.11%
Na 589.592†	9393.6	1.638	mg/L	0.0115	1.638	mg/L	0.0115	0.70%
Ni 231.604†	6266.5	0.2183	mg/L	0.00136	0.2183	mg/L	0.00136	0.62%
P 214.914†	12554.9	8.055	mg/L	0.0609	8.055	mg/L	0.0609	0.76%
Pb 220.353†	92850.0	7.975	mg/L	0.0312	7.975	mg/L	0.0312	0.39%
Sb 206.836†	50.6	-0.0668	mg/L	0.00291	-0.0668	mg/L	0.00291	4.36%
Se 196.026†	-55.1	0.0492	mg/L	0.00038	0.0492	mg/L	0.00038	0.78%
Sn 189.927†	333.4	0.7869	mg/L	0.00886	0.7869	mg/L	0.00886	1.13%
Sr 407.771†	324977.4	0.3414	mg/L	0.00379	0.3414	mg/L	0.00379	1.11%
Ti 337.279†	2629162.4	3.718	mg/L	0.0008	3.718	mg/L	0.0008	0.02%
Tl 190.801†	7.6	-0.1439	mg/L	0.00217	-0.1439	mg/L	0.00217	1.51%
V 292.402†	52682.4	0.2803	mg/L	0.00091	0.2803	mg/L	0.00091	0.33%
Zn 213.857†	343653.5	3.691	mg/L	0.0023	3.691	mg/L	0.0023	0.06%

Sequence No.: 81

Sample ID: CJ20516-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 75

Date Collected: 10/6/2012 9:28:11 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	880.5	674.8	0.3945	mg/L	0.3945	mg/L	21:29:55
1	Fe 234.349†	371364.8	286367.2	245.4	mg/L	245.4	mg/L	21:29:53
1	K 766.490†	63488.9	48788.0	26.44	mg/L	26.44	mg/L	21:29:55
1	Li 670.784†	31398.3	24386.9	0.7539	mg/L	0.7539	mg/L	21:29:55
1	Na 589.592†	164128.5	126409.9	20.78	mg/L	20.78	mg/L	21:29:53

1	Sr 407.771†	567280.1	437302.0	0.4592 mg/L	0.4592 mg/L	21:29:53
1	Y 371.029	3212278.1	3212278.1	1.30 mg/L	1.30 mg/L	21:30:09
1	Ag 328.068†	30668.5	22264.5	0.2069 mg/L	0.2069 mg/L	21:30:12
1	Al 237.313†	1131313.3	872489.6	112.6 mg/L	112.6 mg/L	21:30:09
1	As 188.979†	498.7	381.6	0.5795 mg/L	0.5795 mg/L	21:30:22
1	B 182.528†	281.3	214.3	0.4236 mg/L	0.4236 mg/L	21:30:22
1	Ba 233.527†	178653.9	137815.5	1.905 mg/L	1.905 mg/L	21:30:12
1	Be 313.107†	95594.4	74229.2	0.0442 mg/L	0.0442 mg/L	21:30:12
1	Ca 315.887†	11577185.9	8927082.5	84.08 mg/L	84.08 mg/L	21:30:06
1	Cd 228.802†	7451.9	5683.4	0.1992 mg/L	0.1992 mg/L	21:30:22
1	Co 228.616†	25271.9	19552.2	0.4776 mg/L	0.4776 mg/L	21:30:22
1	Cr 267.716†	85474.8	65501.7	0.7186 mg/L	0.7186 mg/L	21:30:12
1	Cu 324.752†	337274.6	258841.1	1.459 mg/L	1.459 mg/L	21:30:12
1	Fe 238.204†	28236101.1	21772862.2	184.0 mg/L	184.0 mg/L	21:30:06
1	Mg 279.077†	895912.2	690708.1	60.89 mg/L	60.89 mg/L	21:30:09
1	Mn 257.610†	3070834.4	2366769.7	4.182 mg/L	4.182 mg/L	21:30:09
1	Mo 202.031†	9435.8	7248.9	0.3088 mg/L	0.3088 mg/L	21:30:22
1	Ni 231.604†	24379.6	18818.1	0.6637 mg/L	0.6637 mg/L	21:30:12
1	P 214.914†	24205.5	18322.3	11.48 mg/L	11.48 mg/L	21:30:22
1	Pb 220.353†	99573.1	76723.2	6.581 mg/L	6.581 mg/L	21:30:12
1	Sb 206.836†	414.3	282.6	0.1286 mg/L	0.1286 mg/L	21:30:22
1	Se 196.026†	935.0	720.9	0.8021 mg/L	0.8021 mg/L	21:30:22
1	Sn 189.927†	2900.3	2233.6	1.220 mg/L	1.220 mg/L	21:30:22
1	Ti 337.279†	5020382.1	3871704.4	5.477 mg/L	5.477 mg/L	21:30:09
1	Tl 190.801†	690.9	530.7	0.2159 mg/L	0.2159 mg/L	21:30:22
1	V 292.402†	155584.8	120655.4	0.7099 mg/L	0.7099 mg/L	21:30:12
1	Zn 213.857†	479419.3	368881.8	3.959 mg/L	3.959 mg/L	21:30:12
2	B 249.677†	897.1	732.2	0.4278 mg/L	0.4278 mg/L	21:29:59
2	Fe 234.349†	371923.5	305261.4	261.6 mg/L	261.6 mg/L	21:29:57
2	K 766.490†	64632.4	52878.2	28.64 mg/L	28.64 mg/L	21:29:59
2	Li 670.784†	32024.8	26459.7	0.8179 mg/L	0.8179 mg/L	21:29:59
2	Na 589.592†	163922.7	134388.7	22.08 mg/L	22.08 mg/L	21:29:57
2	Sr 407.771†	566953.6	465195.3	0.4885 mg/L	0.4885 mg/L	21:29:57
2	Y 371.029	3017984.5	3017984.5	1.22 mg/L	1.22 mg/L	21:30:30
2	Ag 328.068†	31035.3	24087.9	0.2237 mg/L	0.2237 mg/L	21:30:32
2	Al 237.313†	1142215.5	937599.0	121.0 mg/L	121.0 mg/L	21:30:30
2	As 188.979†	491.3	400.3	0.6096 mg/L	0.6096 mg/L	21:30:42
2	B 182.528†	278.5	226.0	0.4463 mg/L	0.4463 mg/L	21:30:42
2	Ba 233.527†	181265.6	148827.9	2.057 mg/L	2.057 mg/L	21:30:32
2	Be 313.107†	96869.8	80021.6	0.0477 mg/L	0.0477 mg/L	21:30:32
2	Ca 315.887†	11711766.2	9612261.7	90.54 mg/L	90.54 mg/L	21:30:26
2	Cd 228.802†	7472.8	6070.5	0.2128 mg/L	0.2128 mg/L	21:30:42
2	Co 228.616†	25230.2	20772.5	0.5075 mg/L	0.5075 mg/L	21:30:42
2	Cr 267.716†	86404.6	70508.1	0.7738 mg/L	0.7738 mg/L	21:30:32
2	Cu 324.752†	342137.9	279575.9	1.576 mg/L	1.576 mg/L	21:30:32
2	Fe 238.204†	28493288.4	23385664.6	197.6 mg/L	197.6 mg/L	21:30:26
2	Mg 279.077†	905442.2	743005.3	65.51 mg/L	65.51 mg/L	21:30:30
2	Mn 257.610†	3100457.8	2543527.6	4.494 mg/L	4.494 mg/L	21:30:30
2	Mo 202.031†	9457.5	7735.2	0.3297 mg/L	0.3297 mg/L	21:30:42
2	Ni 231.604†	24628.0	20232.2	0.7138 mg/L	0.7138 mg/L	21:30:32
2	P 214.914†	24118.6	19452.6	12.19 mg/L	12.19 mg/L	21:30:42
2	Pb 220.353†	100858.3	82721.2	7.095 mg/L	7.095 mg/L	21:30:32
2	Sb 206.836†	406.3	296.7	0.1333 mg/L	0.1333 mg/L	21:30:42
2	Se 196.026†	933.6	766.2	0.8530 mg/L	0.8530 mg/L	21:30:42
2	Sn 189.927†	2927.8	2400.1	1.305 mg/L	1.305 mg/L	21:30:42
2	Ti 337.279†	5077855.5	4168101.0	5.896 mg/L	5.896 mg/L	21:30:30
2	Tl 190.801†	683.2	558.7	0.2254 mg/L	0.2254 mg/L	21:30:42
2	V 292.402†	158223.2	130544.5	0.7690 mg/L	0.7690 mg/L	21:30:32
2	Zn 213.857†	487239.9	399100.2	4.283 mg/L	4.283 mg/L	21:30:32

Mean Data: CJ20516-MS1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3115131.3	1.26	mg/L	0.055				4.41%
Ag 328.068†	23176.2	0.2153	mg/L	0.01186	0.2153	mg/L	0.01186	5.51%
Al 237.313†	905044.3	116.8	mg/L	5.94	116.8	mg/L	5.94	5.09%
As 188.979†	390.9	0.5946	mg/L	0.02123	0.5946	mg/L	0.02123	3.57%
B 182.528†	220.1	0.4349	mg/L	0.01610	0.4349	mg/L	0.01610	3.70%
B 249.677†	703.5	0.4111	mg/L	0.02356	0.4111	mg/L	0.02356	5.73%
Ba 233.527†	143321.7	1.981	mg/L	0.1077	1.981	mg/L	0.1077	5.44%
Be 313.107†	77125.4	0.0460	mg/L	0.00245	0.0460	mg/L	0.00245	5.33%
Ca 315.887†	9269672.1	87.31	mg/L	4.564	87.31	mg/L	4.564	5.23%

Cd	228.802†	5876.9	0.2060 mg/L	0.00962	0.2060 mg/L	0.00962	4.67%
Co	228.616†	20162.3	0.4926 mg/L	0.02109	0.4926 mg/L	0.02109	4.28%
Cr	267.716†	68004.9	0.7462 mg/L	0.03901	0.7462 mg/L	0.03901	5.23%
Cu	324.752†	269208.5	1.517 mg/L	0.0828	1.517 mg/L	0.0828	5.46%
Fe	234.349†	295814.3	253.5 mg/L	11.45	253.5 mg/L	11.45	4.52%
Fe	238.204†	22579263.4	190.8 mg/L	9.64	190.8 mg/L	9.64	5.05%
K	766.490†	50833.1	27.54 mg/L	1.556	27.54 mg/L	1.556	5.65%
Li	670.784†	25423.3	0.7859 mg/L	0.04528	0.7859 mg/L	0.04528	5.76%
Mg	279.077†	716856.7	63.20 mg/L	3.262	63.20 mg/L	3.262	5.16%
Mn	257.610†	2455148.7	4.338 mg/L	0.2210	4.338 mg/L	0.2210	5.09%
Mo	202.031†	7492.0	0.3192 mg/L	0.01471	0.3192 mg/L	0.01471	4.61%
Na	589.592†	130399.3	21.43 mg/L	0.923	21.43 mg/L	0.923	4.31%
Ni	231.604†	19525.1	0.6888 mg/L	0.03546	0.6888 mg/L	0.03546	5.15%
P	214.914†	18887.4	11.83 mg/L	0.501	11.83 mg/L	0.501	4.23%
Pb	220.353†	79722.2	6.838 mg/L	0.3640	6.838 mg/L	0.3640	5.32%
Sb	206.836†	289.7	0.1310 mg/L	0.00333	0.1310 mg/L	0.00333	2.54%
Se	196.026†	743.6	0.8276 mg/L	0.03596	0.8276 mg/L	0.03596	4.35%
Sn	189.927†	2316.9	1.262 mg/L	0.0601	1.262 mg/L	0.0601	4.76%
Sr	407.771†	451248.7	0.4738 mg/L	0.02069	0.4738 mg/L	0.02069	4.37%
Ti	337.279†	4019902.7	5.686 mg/L	0.2966	5.686 mg/L	0.2966	5.22%
Tl	190.801†	544.7	0.2206 mg/L	0.00673	0.2206 mg/L	0.00673	3.05%
V	292.402†	125599.9	0.7394 mg/L	0.04176	0.7394 mg/L	0.04176	5.65%
Zn	213.857†	383991.0	4.121 mg/L	0.2294	4.121 mg/L	0.2294	5.57%

Sequence No.: 82

Sample ID: CJ20516-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 76

Date Collected: 10/6/2012 9:32:19 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Conc. Units	Sample	Analysis Time
1	B 249.677†	31.5	21.1	0.0149 mg/L		0.0149 mg/L		21:34:08
1	Fe 234.349†	73530.3	58974.9	50.56 mg/L		50.56 mg/L		21:33:57
1	K 766.490†	4302.8	3282.0	1.963 mg/L		1.963 mg/L		21:34:08
1	Li 670.784†	1621.0	1475.5	0.0462 mg/L		0.0462 mg/L		21:34:08
1	Na 589.592†	2924.0	2194.4	0.4602 mg/L		0.4602 mg/L		21:34:08
1	Sr 407.771†	82132.7	65737.0	0.0694 mg/L		0.0694 mg/L		21:33:57
1	Y 371.029	3088650.2	3088650.2	1.25 mg/L		1.25 mg/L		21:34:25
1	Ag 328.068†	1091.7	-508.7	-0.0019 mg/L		-0.0019 mg/L		21:34:27
1	Al 237.313†	202480.8	162511.1	20.97 mg/L		20.97 mg/L		21:34:27
1	As 188.979†	18.8	12.1	0.0379 mg/L		0.0379 mg/L		21:34:37
1	B 182.528†	6.6	2.6	0.0105 mg/L		0.0105 mg/L		21:34:37
1	Ba 233.527†	33167.8	26654.0	0.3669 mg/L		0.3669 mg/L		21:34:27
1	Be 313.107†	2196.5	2277.4	0.0012 mg/L		0.0012 mg/L		21:34:27
1	Ca 315.887†	2001747.3	1605190.3	15.11 mg/L		15.11 mg/L		21:34:25
1	Cd 228.802†	151.9	59.0	0.0020 mg/L		0.0020 mg/L		21:34:37
1	Co 228.616†	876.4	767.7	0.0150 mg/L		0.0150 mg/L		21:34:37
1	Cr 267.716†	6954.9	5169.3	0.0537 mg/L		0.0537 mg/L		21:34:27
1	Cu 324.752†	54810.9	42723.5	0.2379 mg/L		0.2379 mg/L		21:34:27
1	Fe 238.204†	6578699.7	5275765.6	44.58 mg/L		44.58 mg/L		21:34:25
1	Mg 279.077†	96334.9	77122.8	6.767 mg/L		6.767 mg/L		21:34:27
1	Mn 257.610†	533218.9	426457.5	0.7511 mg/L		0.7511 mg/L		21:34:25
1	Mo 202.031†	186.4	122.4	-0.0096 mg/L		-0.0096 mg/L		21:34:37
1	Ni 231.604†	1651.3	1343.1	0.0438 mg/L		0.0438 mg/L		21:34:37
1	P 214.914†	3695.8	2621.2	1.702 mg/L		1.702 mg/L		21:34:37
1	Pb 220.353†	23719.2	18964.0	1.626 mg/L		1.626 mg/L		21:34:27
1	Sb 206.836†	46.6	0.6	-0.0231 mg/L		-0.0231 mg/L		21:34:37
1	Se 196.026†	-17.9	-14.4	0.0060 mg/L		0.0060 mg/L		21:34:37
1	Sn 189.927†	61.6	46.5	0.1556 mg/L		0.1556 mg/L		21:34:37
1	Ti 337.279†	705693.7	566404.6	0.7994 mg/L		0.7994 mg/L		21:34:25
1	Tl 190.801†	4.9	1.9	-0.0331 mg/L		-0.0331 mg/L		21:34:37
1	V 292.402†	13723.1	11688.6	0.0612 mg/L		0.0612 mg/L		21:34:27
1	Zn 213.857†	101350.1	80478.7	0.8635 mg/L		0.8635 mg/L		21:34:27
2	B 249.677†	25.6	16.5	0.0122 mg/L		0.0122 mg/L		21:34:20
2	Fe 234.349†	72363.3	58550.5	50.19 mg/L		50.19 mg/L		21:34:10
2	K 766.490†	4304.1	3313.5	1.979 mg/L		1.979 mg/L		21:34:20
2	Li 670.784†	1576.5	1450.9	0.0454 mg/L		0.0454 mg/L		21:34:20
2	Na 589.592†	2925.8	2216.5	0.4638 mg/L		0.4638 mg/L		21:34:20
2	Sr 407.771†	81100.3	65482.4	0.0691 mg/L		0.0691 mg/L		21:34:10

2	Y 371.029	3061661.3	3061661.3	1.24 mg/L		21:34:41
2	Ag 328.068†	1018.5	-560.2	-0.0024 mg/L	-0.0024 mg/L	21:34:43
2	Al 237.313†	203352.4	164647.7	21.25 mg/L	21.25 mg/L	21:34:43
2	As 188.979†	19.0	12.3	0.0380 mg/L	0.0380 mg/L	21:34:53
2	B 182.528†	10.9	6.2	0.0174 mg/L	0.0174 mg/L	21:34:53
2	Ba 233.527†	33384.9	27064.1	0.3726 mg/L	0.3726 mg/L	21:34:43
2	Be 313.107†	2197.3	2293.5	0.0012 mg/L	0.0012 mg/L	21:34:43
2	Ca 315.887†	1975015.5	1597714.5	15.03 mg/L	15.03 mg/L	21:34:41
2	Cd 228.802†	159.1	65.9	0.0022 mg/L	0.0022 mg/L	21:34:53
2	Co 228.616†	859.1	759.9	0.0148 mg/L	0.0148 mg/L	21:34:53
2	Cr 267.716†	7045.3	5291.5	0.0551 mg/L	0.0551 mg/L	21:34:43
2	Cu 324.752†	54923.6	43202.2	0.2406 mg/L	0.2406 mg/L	21:34:43
2	Fe 238.204†	6499644.2	5258314.5	44.43 mg/L	44.43 mg/L	21:34:41
2	Mg 279.077†	96787.7	78170.2	6.859 mg/L	6.859 mg/L	21:34:43
2	Mn 257.610†	526640.5	424904.9	0.7484 mg/L	0.7484 mg/L	21:34:41
2	Mo 202.031†	195.5	131.1	-0.0090 mg/L	-0.0090 mg/L	21:34:53
2	Ni 231.604†	1666.6	1367.2	0.0447 mg/L	0.0447 mg/L	21:34:53
2	P 214.914†	3711.1	2659.7	1.724 mg/L	1.724 mg/L	21:34:53
2	Pb 220.353†	23882.3	19263.6	1.652 mg/L	1.652 mg/L	21:34:43
2	Sb 206.836†	48.2	2.2	-0.0215 mg/L	-0.0215 mg/L	21:34:53
2	Se 196.026†	-15.0	-12.2	0.0081 mg/L	0.0081 mg/L	21:34:53
2	Sn 189.927†	50.5	38.0	0.1527 mg/L	0.1527 mg/L	21:34:53
2	Ti 337.279†	698883.7	565883.9	0.7987 mg/L	0.7987 mg/L	21:34:41
2	Tl 190.801†	7.1	3.8	-0.0316 mg/L	-0.0316 mg/L	21:34:53
2	V 292.402†	13733.5	11794.0	0.0620 mg/L	0.0620 mg/L	21:34:43
2	Zn 213.857†	101673.3	81456.6	0.8740 mg/L	0.8740 mg/L	21:34:43

Mean Data: CJ20516-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3075155.7	1.24	mg/L	0.008			0.62%
Ag 328.068†	-534.4	-0.0022	mg/L	0.00033	-0.0022 mg/L	0.00033	15.15%
Al 237.313†	163579.4	21.11	mg/L	0.195	21.11 mg/L	0.195	0.92%
As 188.979†	12.2	0.0379	mg/L	0.00009	0.0379 mg/L	0.00009	0.24%
B 182.528†	4.4	0.0139	mg/L	0.00490	0.0139 mg/L	0.00490	35.18%
B 249.677†	18.8	0.0135	mg/L	0.00188	0.0135 mg/L	0.00188	13.90%
Ba 233.527†	26859.1	0.3697	mg/L	0.00401	0.3697 mg/L	0.00401	1.09%
Be 313.107†	2285.5	0.0012	mg/L	0.00001	0.0012 mg/L	0.00001	0.57%
Ca 315.887†	1601452.4	15.07	mg/L	0.050	15.07 mg/L	0.050	0.33%
Cd 228.802†	62.5	0.0021	mg/L	0.00017	0.0021 mg/L	0.00017	8.18%
Co 228.616†	763.8	0.0149	mg/L	0.00014	0.0149 mg/L	0.00014	0.93%
Cr 267.716†	5230.4	0.0544	mg/L	0.00095	0.0544 mg/L	0.00095	1.75%
Cu 324.752†	42962.8	0.2392	mg/L	0.00191	0.2392 mg/L	0.00191	0.80%
Fe 234.349†	58762.7	50.38	mg/L	0.257	50.38 mg/L	0.257	0.51%
Fe 238.204†	5267040.0	44.50	mg/L	0.104	44.50 mg/L	0.104	0.23%
K 766.490†	3297.8	1.971	mg/L	0.0120	1.971 mg/L	0.0120	0.61%
Li 670.784†	1463.2	0.0458	mg/L	0.00054	0.0458 mg/L	0.00054	1.17%
Mg 279.077†	77646.5	6.813	mg/L	0.0653	6.813 mg/L	0.0653	0.96%
Mn 257.610†	425681.2	0.7498	mg/L	0.00194	0.7498 mg/L	0.00194	0.26%
Mo 202.031†	126.7	-0.0093	mg/L	0.00041	-0.0093 mg/L	0.00041	4.37%
Na 589.592†	2205.4	0.4620	mg/L	0.00256	0.4620 mg/L	0.00256	0.55%
Ni 231.604†	1355.1	0.0443	mg/L	0.00060	0.0443 mg/L	0.00060	1.36%
P 214.914†	2640.4	1.713	mg/L	0.0156	1.713 mg/L	0.0156	0.91%
Pb 220.353†	19113.8	1.639	mg/L	0.0182	1.639 mg/L	0.0182	1.11%
Sb 206.836†	1.4	-0.0223	mg/L	0.00109	-0.0223 mg/L	0.00109	4.89%
Se 196.026†	-13.3	0.0071	mg/L	0.00143	0.0071 mg/L	0.00143	20.23%
Sn 189.927†	42.3	0.1541	mg/L	0.00212	0.1541 mg/L	0.00212	1.37%
Sr 407.771†	65609.7	0.0693	mg/L	0.00019	0.0693 mg/L	0.00019	0.27%
Ti 337.279†	566144.2	0.7991	mg/L	0.00052	0.7991 mg/L	0.00052	0.07%
Tl 190.801†	2.8	-0.0324	mg/L	0.00105	-0.0324 mg/L	0.00105	3.25%
V 292.402†	11741.3	0.0616	mg/L	0.00052	0.0616 mg/L	0.00052	0.85%
Zn 213.857†	80967.6	0.8687	mg/L	0.00743	0.8687 mg/L	0.00743	0.85%

Sequence No.: 83
Sample ID: CJ20516-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 10/6/2012 9:36:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20516-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1037.7	845.5	0.4937	mg/L	0.4937	mg/L	21:38:14
1	Fe 234.349†	320714.6	262595.0	225.0	mg/L	225.0	mg/L	21:38:12
1	K 766.490†	70284.6	57377.7	31.06	mg/L	31.06	mg/L	21:38:14
1	Li 670.784†	27164.9	22417.1	0.6930	mg/L	0.6930	mg/L	21:38:14
1	Na 589.592†	181730.9	148643.9	24.42	mg/L	24.42	mg/L	21:38:12
1	Sr 407.771†	414947.6	339612.8	0.3567	mg/L	0.3567	mg/L	21:38:12
1	Y 371.029	3025302.6	3025302.6	1.22	mg/L			21:38:28
1	Ag 328.068†	34346.9	26737.7	0.2434	mg/L	0.2434	mg/L	21:38:28
1	Al 237.313†	925317.7	757743.4	97.82	mg/L	97.82	mg/L	21:38:28
1	As 188.979†	551.6	448.6	0.6546	mg/L	0.6546	mg/L	21:38:39
1	B 182.528†	318.4	258.1	0.5090	mg/L	0.5090	mg/L	21:38:39
1	Ba 233.527†	188097.7	154061.8	2.130	mg/L	2.130	mg/L	21:38:28
1	Be 313.107†	103292.0	85087.5	0.0507	mg/L	0.0507	mg/L	21:38:28
1	Ca 315.887†	9305364.7	7618737.0	71.76	mg/L	71.76	mg/L	21:38:25
1	Cd 228.802†	8221.2	6668.4	0.2337	mg/L	0.2337	mg/L	21:38:39
1	Co 228.616†	26428.4	21703.5	0.5344	mg/L	0.5344	mg/L	21:38:39
1	Cr 267.716†	80442.8	65455.3	0.7182	mg/L	0.7182	mg/L	21:38:28
1	Cu 324.752†	342241.3	278981.3	1.571	mg/L	1.571	mg/L	21:38:28
1	Fe 238.204†	24655412.0	20186783.4	170.6	mg/L	170.6	mg/L	21:38:25
1	Mg 279.077†	474857.8	388661.1	34.25	mg/L	34.25	mg/L	21:38:28
1	Mn 257.610†	2653994.6	2171824.4	3.837	mg/L	3.837	mg/L	21:38:28
1	Mo 202.031†	10969.0	8953.9	0.4060	mg/L	0.4060	mg/L	21:38:39
1	Ni 231.604†	23444.8	19214.6	0.6779	mg/L	0.6779	mg/L	21:38:28
1	P 214.914†	24762.6	19932.0	12.38	mg/L	12.38	mg/L	21:38:39
1	Pb 220.353†	106804.4	87389.3	7.505	mg/L	7.505	mg/L	21:38:28
1	Sb 206.836†	780.8	602.5	0.4070	mg/L	0.4070	mg/L	21:38:39
1	Se 196.026†	1117.6	915.0	0.9817	mg/L	0.9817	mg/L	21:38:39
1	Sn 189.927†	3347.6	2738.1	1.274	mg/L	1.274	mg/L	21:38:39
1	Ti 337.279†	3552219.6	2908885.3	4.114	mg/L	4.114	mg/L	21:38:28
1	Tl 190.801†	783.9	639.8	0.3052	mg/L	0.3052	mg/L	21:38:39
1	V 292.402†	153158.5	126083.6	0.7495	mg/L	0.7495	mg/L	21:38:28
1	Zn 213.857†	488122.4	398855.4	4.281	mg/L	4.281	mg/L	21:38:28
2	B 249.677†	1054.4	868.4	0.5071	mg/L	0.5071	mg/L	21:38:18
2	Fe 234.349†	325237.5	269133.7	230.6	mg/L	230.6	mg/L	21:38:16
2	K 766.490†	70561.0	58219.2	31.51	mg/L	31.51	mg/L	21:38:18
2	Li 670.784†	27186.4	22671.7	0.7009	mg/L	0.7009	mg/L	21:38:18
2	Na 589.592†	184064.6	152159.5	24.99	mg/L	24.99	mg/L	21:38:16
2	Sr 407.771†	420620.4	347924.6	0.3654	mg/L	0.3654	mg/L	21:38:16
2	Y 371.029	2993428.0	2993428.0	1.21	mg/L			21:38:47
2	Ag 328.068†	33948.1	26707.2	0.2436	mg/L	0.2436	mg/L	21:38:47
2	Al 237.313†	915289.9	757512.9	97.80	mg/L	97.80	mg/L	21:38:47
2	As 188.979†	555.1	456.3	0.6665	mg/L	0.6665	mg/L	21:38:57
2	B 182.528†	316.7	259.4	0.5116	mg/L	0.5116	mg/L	21:38:57
2	Ba 233.527†	186705.2	154549.5	2.136	mg/L	2.136	mg/L	21:38:47
2	Be 313.107†	101859.3	84802.6	0.0506	mg/L	0.0506	mg/L	21:38:47
2	Ca 315.887†	9327021.5	7717785.0	72.69	mg/L	72.69	mg/L	21:38:43
2	Cd 228.802†	8208.0	6729.2	0.2358	mg/L	0.2358	mg/L	21:38:57
2	Co 228.616†	26385.6	21898.4	0.5393	mg/L	0.5393	mg/L	21:38:57
2	Cr 267.716†	79666.3	65514.0	0.7189	mg/L	0.7189	mg/L	21:38:47
2	Cu 324.752†	338524.4	278889.4	1.570	mg/L	1.570	mg/L	21:38:47
2	Fe 238.204†	24717861.6	20453414.0	172.9	mg/L	172.9	mg/L	21:38:43
2	Mg 279.077†	470143.7	388900.3	34.27	mg/L	34.27	mg/L	21:38:47
2	Mn 257.610†	2628949.5	2174238.6	3.842	mg/L	3.842	mg/L	21:38:47
2	Mo 202.031†	10952.5	9035.8	0.4086	mg/L	0.4086	mg/L	21:38:57
2	Ni 231.604†	23138.9	19165.8	0.6762	mg/L	0.6762	mg/L	21:38:47
2	P 214.914†	24681.6	20080.8	12.49	mg/L	12.49	mg/L	21:38:57
2	Pb 220.353†	105761.2	87457.3	7.511	mg/L	7.511	mg/L	21:38:47
2	Sb 206.836†	773.9	603.6	0.4055	mg/L	0.4055	mg/L	21:38:57
2	Se 196.026†	1122.6	928.9	0.9976	mg/L	0.9976	mg/L	21:38:57
2	Sn 189.927†	3317.7	2742.5	1.292	mg/L	1.292	mg/L	21:38:57
2	Ti 337.279†	3514132.3	2908338.2	4.113	mg/L	4.113	mg/L	21:38:47
2	Tl 190.801†	790.5	652.2	0.3107	mg/L	0.3107	mg/L	21:38:57
2	V 292.402†	151914.6	126389.6	0.7504	mg/L	0.7504	mg/L	21:38:47
2	Zn 213.857†	483621.4	399386.5	4.286	mg/L	4.286	mg/L	21:38:47

Mean Data: CJ20516-PDS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3009365.3	1.21	mg/L	0.009				0.75%
Ag 328.068†	26722.5	0.2435	mg/L	0.00012	0.2435	mg/L	0.00012	0.05%

Al 237.313†	757628.2	97.81 mg/L	0.021	97.81 mg/L	0.021	0.02%
As 188.979†	452.5	0.6606 mg/L	0.00848	0.6606 mg/L	0.00848	1.28%
B 182.528†	258.7	0.5103 mg/L	0.00184	0.5103 mg/L	0.00184	0.36%
B 249.677†	856.9	0.5004 mg/L	0.00941	0.5004 mg/L	0.00941	1.88%
Ba 233.527†	154305.7	2.133 mg/L	0.0048	2.133 mg/L	0.0048	0.22%
Be 313.107†	84945.0	0.0506 mg/L	0.00012	0.0506 mg/L	0.00012	0.24%
Ca 315.887†	7668261.0	72.22 mg/L	0.660	72.22 mg/L	0.660	0.91%
Cd 228.802†	6698.8	0.2348 mg/L	0.00149	0.2348 mg/L	0.00149	0.64%
Co 228.616†	21800.9	0.5368 mg/L	0.00346	0.5368 mg/L	0.00346	0.65%
Cr 267.716†	65484.6	0.7185 mg/L	0.00046	0.7185 mg/L	0.00046	0.06%
Cu 324.752†	278935.3	1.571 mg/L	0.0004	1.571 mg/L	0.0004	0.02%
Fe 234.349†	265864.4	227.8 mg/L	3.96	227.8 mg/L	3.96	1.74%
Fe 238.204†	20320098.7	171.7 mg/L	1.59	171.7 mg/L	1.59	0.93%
K 766.490†	57798.5	31.29 mg/L	0.320	31.29 mg/L	0.320	1.02%
Li 670.784†	22544.4	0.6970 mg/L	0.00556	0.6970 mg/L	0.00556	0.80%
Mg 279.077†	388780.7	34.26 mg/L	0.015	34.26 mg/L	0.015	0.04%
Mn 257.610†	2173031.5	3.839 mg/L	0.0030	3.839 mg/L	0.0030	0.08%
Mo 202.031†	8994.9	0.4073 mg/L	0.00186	0.4073 mg/L	0.00186	0.46%
Na 589.592†	150401.7	24.70 mg/L	0.407	24.70 mg/L	0.407	1.65%
Ni 231.604†	19190.2	0.6770 mg/L	0.00122	0.6770 mg/L	0.00122	0.18%
P 214.914†	20006.4	12.44 mg/L	0.072	12.44 mg/L	0.072	0.58%
Pb 220.353†	87423.3	7.508 mg/L	0.0041	7.508 mg/L	0.0041	0.06%
Sb 206.836†	603.0	0.4063 mg/L	0.00111	0.4063 mg/L	0.00111	0.27%
Se 196.026†	921.9	0.9896 mg/L	0.01122	0.9896 mg/L	0.01122	1.13%
Sn 189.927†	2740.3	1.283 mg/L	0.0123	1.283 mg/L	0.0123	0.96%
Sr 407.771†	343768.7	0.3611 mg/L	0.00617	0.3611 mg/L	0.00617	1.71%
Ti 337.279†	2908611.8	4.114 mg/L	0.0005	4.114 mg/L	0.0005	0.01%
Tl 190.801†	646.0	0.3080 mg/L	0.00385	0.3080 mg/L	0.00385	1.25%
V 292.402†	126236.6	0.7500 mg/L	0.00063	0.7500 mg/L	0.00063	0.08%
Zn 213.857†	399121.0	4.283 mg/L	0.0040	4.283 mg/L	0.0040	0.09%

Sequence No.: 84
Sample ID: 1210126-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 10/6/2012 9:40:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	22.3	13.1	0.0102	mg/L	0.0102	mg/L	21:42:17
1	Fe 234.349†	171264.9	132725.2	113.8	mg/L	113.8	mg/L	21:42:15
1	K 766.490†	12288.8	9354.3	5.229	mg/L	5.229	mg/L	21:42:17
1	Li 670.784†	3065.4	2550.9	0.0794	mg/L	0.0794	mg/L	21:42:17
1	Na 589.592†	3938.0	2901.1	0.5758	mg/L	0.5758	mg/L	21:42:17
1	Sr 407.771†	50414.9	38937.4	0.0413	mg/L	0.0413	mg/L	21:42:15
1	Y 371.029	3196398.0	3196398.0	1.29	mg/L			21:42:29
1	Ag 328.068†	5738.5	3062.8	0.0333	mg/L	0.0333	mg/L	21:42:32
1	Al 237.313†	748107.7	579863.6	74.85	mg/L	74.85	mg/L	21:42:29
1	As 188.979†	58.9	42.6	0.1021	mg/L	0.1021	mg/L	21:42:42
1	B 182.528†	15.3	9.2	0.0233	mg/L	0.0233	mg/L	21:42:42
1	Ba 233.527†	27248.0	21169.9	0.2909	mg/L	0.2909	mg/L	21:42:32
1	Be 313.107†	10094.6	8338.5	0.0048	mg/L	0.0048	mg/L	21:42:32
1	Ca 315.887†	957136.6	741568.5	6.972	mg/L	6.972	mg/L	21:42:29
1	Cd 228.802†	197.3	90.1	0.0029	mg/L	0.0029	mg/L	21:42:42
1	Co 228.616†	2450.9	1964.2	0.0397	mg/L	0.0397	mg/L	21:42:42
1	Cr 267.716†	7710.0	5566.4	0.0581	mg/L	0.0581	mg/L	21:42:32
1	Cu 324.752†	251729.7	193841.3	1.091	mg/L	1.091	mg/L	21:42:29
1	Fe 238.204†	14829008.2	11491385.3	97.11	mg/L	97.11	mg/L	21:42:27
1	Mg 279.077†	201204.8	155786.1	13.71	mg/L	13.71	mg/L	21:42:29
1	Mn 257.610†	1745677.8	1351621.5	2.387	mg/L	2.387	mg/L	21:42:29
1	Mo 202.031†	180.0	112.4	-0.0304	mg/L	-0.0304	mg/L	21:42:32
1	Ni 231.604†	3100.1	2421.2	0.0820	mg/L	0.0820	mg/L	21:42:32
1	P 214.914†	9551.8	7059.4	4.476	mg/L	4.476	mg/L	21:42:32
1	Pb 220.353†	6392.4	4895.6	0.3967	mg/L	0.3967	mg/L	21:42:32
1	Sb 206.836†	71.8	18.9	-0.0355	mg/L	-0.0355	mg/L	21:42:42
1	Se 196.026†	-35.2	-27.3	0.0204	mg/L	0.0204	mg/L	21:42:42
1	Sn 189.927†	60.3	43.8	0.3398	mg/L	0.3398	mg/L	21:42:42
1	Ti 337.279†	3186165.9	2469535.9	3.492	mg/L	3.492	mg/L	21:42:29
1	Tl 190.801†	12.1	7.4	-0.0696	mg/L	-0.0696	mg/L	21:42:42
1	V 292.402†	63105.2	49585.6	0.2845	mg/L	0.2845	mg/L	21:42:32

1	Zn 213.857†	63079.5	48081.5	0.5134 mg/L	0.5134 mg/L	21:42:32
2	B 249.677†	4.3	-0.8	0.0020 mg/L	0.0020 mg/L	21:42:22
2	Fe 234.349†	169139.3	132574.9	113.7 mg/L	113.7 mg/L	21:42:20
2	K 766.490†	12416.6	9563.2	5.341 mg/L	5.341 mg/L	21:42:22
2	Li 670.784†	3082.4	2591.4	0.0806 mg/L	0.0806 mg/L	21:42:22
2	Na 589.592†	4023.5	3003.0	0.5925 mg/L	0.5925 mg/L	21:42:22
2	Sr 407.771†	49596.9	38742.5	0.0411 mg/L	0.0411 mg/L	21:42:20
2	Y 371.029	3160306.2	3160306.2	1.28 mg/L		21:42:47
2	Ag 328.068†	5647.6	3042.3	0.0332 mg/L	0.0332 mg/L	21:42:50
2	Al 237.313†	740932.8	580860.7	74.98 mg/L	74.98 mg/L	21:42:47
2	As 188.979†	66.4	49.1	0.1100 mg/L	0.1100 mg/L	21:43:00
2	B 182.528†	20.5	13.5	0.0316 mg/L	0.0316 mg/L	21:43:00
2	Ba 233.527†	26863.3	21109.5	0.2900 mg/L	0.2900 mg/L	21:42:50
2	Be 313.107†	9933.4	8301.5	0.0048 mg/L	0.0048 mg/L	21:42:50
2	Ca 315.887†	947847.1	742758.2	6.983 mg/L	6.983 mg/L	21:42:47
2	Cd 228.802†	196.7	91.4	0.0029 mg/L	0.0029 mg/L	21:43:00
2	Co 228.616†	2447.8	1983.5	0.0402 mg/L	0.0402 mg/L	21:43:00
2	Cr 267.716†	7599.4	5548.0	0.0579 mg/L	0.0579 mg/L	21:42:50
2	Cu 324.752†	249550.7	194361.3	1.094 mg/L	1.094 mg/L	21:42:47
2	Fe 238.204†	14974588.9	11736727.1	99.19 mg/L	99.19 mg/L	21:42:45
2	Mg 279.077†	199208.5	156002.1	13.73 mg/L	13.73 mg/L	21:42:47
2	Mn 257.610†	1728247.3	1353409.0	2.390 mg/L	2.390 mg/L	21:42:47
2	Mo 202.031†	144.8	86.4	-0.0318 mg/L	-0.0318 mg/L	21:42:50
2	Ni 231.604†	3031.1	2394.5	0.0811 mg/L	0.0811 mg/L	21:42:50
2	P 214.914†	9427.9	7046.8	4.468 mg/L	4.468 mg/L	21:42:50
2	Pb 220.353†	6334.3	4906.6	0.3976 mg/L	0.3976 mg/L	21:42:50
2	Sb 206.836†	66.9	15.7	-0.0381 mg/L	-0.0381 mg/L	21:43:00
2	Se 196.026†	-26.4	-20.7	0.0268 mg/L	0.0268 mg/L	21:43:00
2	Sn 189.927†	59.9	44.1	0.3395 mg/L	0.3395 mg/L	21:43:00
2	Ti 337.279†	3148669.9	2468344.8	3.491 mg/L	3.491 mg/L	21:42:47
2	Tl 190.801†	9.2	5.2	-0.0710 mg/L	-0.0710 mg/L	21:43:00
2	V 292.402†	62809.0	49911.9	0.2865 mg/L	0.2865 mg/L	21:42:50
2	Zn 213.857†	62378.9	48090.6	0.5135 mg/L	0.5135 mg/L	21:42:50

Mean Data: 1210126-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3178352.1	1.28	mg/L	0.010				0.80%
Ag 328.068†	3052.5	0.0333	mg/L	0.00013	0.0333	mg/L	0.00013	0.39%
Al 237.313†	580362.2	74.92	mg/L	0.091	74.92	mg/L	0.091	0.12%
As 188.979†	45.8	0.1061	mg/L	0.00565	0.1061	mg/L	0.00565	5.32%
B 182.528†	11.3	0.0274	mg/L	0.00589	0.0274	mg/L	0.00589	21.46%
B 249.677†	6.2	0.0061	mg/L	0.00573	0.0061	mg/L	0.00573	93.94%
Ba 233.527†	21139.7	0.2905	mg/L	0.00059	0.2905	mg/L	0.00059	0.20%
Be 313.107†	8320.0	0.0048	mg/L	0.00002	0.0048	mg/L	0.00002	0.32%
Ca 315.887†	742163.4	6.977	mg/L	0.0079	6.977	mg/L	0.0079	0.11%
Cd 228.802†	90.7	0.0029	mg/L	0.00001	0.0029	mg/L	0.00001	0.26%
Co 228.616†	1973.8	0.0400	mg/L	0.00034	0.0400	mg/L	0.00034	0.86%
Cr 267.716†	5557.2	0.0580	mg/L	0.00015	0.0580	mg/L	0.00015	0.25%
Cu 324.752†	194101.3	1.092	mg/L	0.0021	1.092	mg/L	0.0021	0.19%
Fe 234.349†	132650.0	113.7	mg/L	0.09	113.7	mg/L	0.09	0.08%
Fe 238.204†	11614056.2	98.15	mg/L	1.466	98.15	mg/L	1.466	1.49%
K 766.490†	9458.8	5.285	mg/L	0.0795	5.285	mg/L	0.0795	1.50%
Li 670.784†	2571.2	0.0800	mg/L	0.00088	0.0800	mg/L	0.00088	1.10%
Mg 279.077†	155894.1	13.72	mg/L	0.013	13.72	mg/L	0.013	0.10%
Mn 257.610†	1352515.2	2.389	mg/L	0.0022	2.389	mg/L	0.0022	0.09%
Mo 202.031†	99.4	-0.0311	mg/L	0.00095	-0.0311	mg/L	0.00095	3.06%
Na 589.592†	2952.1	0.5842	mg/L	0.01178	0.5842	mg/L	0.01178	2.02%
Ni 231.604†	2407.9	0.0816	mg/L	0.00067	0.0816	mg/L	0.00067	0.82%
P 214.914†	7053.1	4.472	mg/L	0.0055	4.472	mg/L	0.0055	0.12%
Pb 220.353†	4901.1	0.3971	mg/L	0.00065	0.3971	mg/L	0.00065	0.16%
Sb 206.836†	17.3	-0.0368	mg/L	0.00187	-0.0368	mg/L	0.00187	5.07%
Se 196.026†	-24.0	0.0236	mg/L	0.00451	0.0236	mg/L	0.00451	19.07%
Sn 189.927†	44.0	0.3397	mg/L	0.00023	0.3397	mg/L	0.00023	0.07%
Sr 407.771†	38839.9	0.0412	mg/L	0.00014	0.0412	mg/L	0.00014	0.35%
Ti 337.279†	2468940.4	3.492	mg/L	0.0012	3.492	mg/L	0.0012	0.03%
Tl 190.801†	6.3	-0.0703	mg/L	0.00103	-0.0703	mg/L	0.00103	1.47%
V 292.402†	49748.7	0.2855	mg/L	0.00146	0.2855	mg/L	0.00146	0.51%
Zn 213.857†	48086.0	0.5135	mg/L	0.00007	0.5135	mg/L	0.00007	0.01%

Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/6/2012 9:44:37PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	1051.6	841.8	0.4918	mg/L	0.4918	mg/L	21:46:21
1	Fe 234.349†	3882.9	3129.4	2.689	mg/L	2.689	mg/L	21:46:21
1	K 766.490†	53761.5	43080.3	23.37	mg/L	23.37	mg/L	21:46:19
1	Li 670.784†	18874.2	15359.0	0.4750	mg/L	0.4750	mg/L	21:46:21
1	Na 589.592†	177427.2	142582.7	23.42	mg/L	23.42	mg/L	21:46:19
1	Sr 407.771†	58287.7	46759.3	0.0495	mg/L	0.0495	mg/L	21:46:19
1	Y 371.029	3079086.1	3079086.1	1.24	mg/L			21:46:30
1	Ag 328.068†	37521.4	28800.3	0.2438	mg/L	0.2438	mg/L	21:46:32
1	Al 237.313†	23563.4	19083.3	2.461	mg/L	2.461	mg/L	21:46:32
1	As 188.979†	504.6	403.0	0.5047	mg/L	0.5047	mg/L	21:46:42
1	B 182.528†	330.7	263.4	0.5194	mg/L	0.5194	mg/L	21:46:42
1	Ba 233.527†	44760.0	36062.1	0.4969	mg/L	0.4969	mg/L	21:46:32
1	Be 313.107†	99351.7	80440.5	0.0479	mg/L	0.0479	mg/L	21:46:32
1	Ca 315.887†	631044.1	507498.8	4.767	mg/L	4.767	mg/L	21:46:30
1	Cd 228.802†	8474.0	6754.2	0.2370	mg/L	0.2370	mg/L	21:46:42
1	Co 228.616†	24167.6	19506.8	0.4864	mg/L	0.4864	mg/L	21:46:32
1	Cr 267.716†	55512.1	44249.0	0.4847	mg/L	0.4847	mg/L	21:46:32
1	Cu 324.752†	109670.7	86992.7	0.4869	mg/L	0.4869	mg/L	21:46:32
1	Fe 238.204†	356684.3	286782.0	2.413	mg/L	2.413	mg/L	21:46:32
1	Mg 279.077†	69996.9	56174.9	4.918	mg/L	4.918	mg/L	21:46:32
1	Mn 257.610†	352792.1	282639.4	0.4970	mg/L	0.4970	mg/L	21:46:32
1	Mo 202.031†	11339.8	9095.3	0.4835	mg/L	0.4835	mg/L	21:46:42
1	Ni 231.604†	18215.8	14672.7	0.5170	mg/L	0.5170	mg/L	21:46:32
1	P 214.914†	10333.4	7970.1	4.764	mg/L	4.764	mg/L	21:46:42
1	Pb 220.353†	6959.9	5540.8	0.4726	mg/L	0.4726	mg/L	21:46:42
1	Sb 206.836†	784.1	593.9	0.4983	mg/L	0.4983	mg/L	21:46:42
1	Se 196.026†	1305.3	1050.0	1.018	mg/L	1.018	mg/L	21:46:42
1	Sn 189.927†	2839.5	2281.4	0.5210	mg/L	0.5210	mg/L	21:46:42
1	Ti 337.279†	422078.9	340005.3	0.4791	mg/L	0.4791	mg/L	21:46:30
1	Tl 190.801†	857.1	687.5	0.4707	mg/L	0.4707	mg/L	21:46:42
1	V 292.402†	96608.7	78401.0	0.4945	mg/L	0.4945	mg/L	21:46:32
1	Zn 213.857†	59215.3	46835.2	0.4987	mg/L	0.4987	mg/L	21:46:32
2	B 249.677†	1069.8	873.8	0.5104	mg/L	0.5104	mg/L	21:46:26
2	Fe 234.349†	3823.1	3143.4	2.701	mg/L	2.701	mg/L	21:46:26
2	K 766.490†	53911.9	44077.9	23.91	mg/L	23.91	mg/L	21:46:24
2	Li 670.784†	18650.9	15482.7	0.4788	mg/L	0.4788	mg/L	21:46:26
2	Na 589.592†	177703.6	145694.6	23.93	mg/L	23.93	mg/L	21:46:24
2	Sr 407.771†	58476.7	47862.1	0.0507	mg/L	0.0507	mg/L	21:46:24
2	Y 371.029	3018082.6	3018082.6	1.22	mg/L			21:46:45
2	Ag 328.068†	37492.0	29386.3	0.2488	mg/L	0.2488	mg/L	21:46:47
2	Al 237.313†	23388.5	19323.0	2.492	mg/L	2.492	mg/L	21:46:47
2	As 188.979†	500.0	407.4	0.5102	mg/L	0.5102	mg/L	21:46:57
2	B 182.528†	328.1	266.7	0.5257	mg/L	0.5257	mg/L	21:46:57
2	Ba 233.527†	44771.8	36799.6	0.5071	mg/L	0.5071	mg/L	21:46:47
2	Be 313.107†	98488.0	81347.1	0.0485	mg/L	0.0485	mg/L	21:46:47
2	Ca 315.887†	619555.7	508331.1	4.775	mg/L	4.775	mg/L	21:46:45
2	Cd 228.802†	8408.0	6837.8	0.2400	mg/L	0.2400	mg/L	21:46:57
2	Co 228.616†	24100.9	19845.0	0.4949	mg/L	0.4949	mg/L	21:46:47
2	Cr 267.716†	55272.8	44955.2	0.4925	mg/L	0.4925	mg/L	21:46:47
2	Cu 324.752†	109314.2	88483.3	0.4953	mg/L	0.4953	mg/L	21:46:47
2	Fe 238.204†	354606.4	290876.5	2.447	mg/L	2.447	mg/L	21:46:47
2	Mg 279.077†	69661.8	57038.0	4.994	mg/L	4.994	mg/L	21:46:47
2	Mn 257.610†	351100.8	286987.8	0.5047	mg/L	0.5047	mg/L	21:46:47
2	Mo 202.031†	11252.1	9207.7	0.4895	mg/L	0.4895	mg/L	21:46:57
2	Ni 231.604†	18093.5	14868.6	0.5239	mg/L	0.5239	mg/L	21:46:47
2	P 214.914†	10287.9	8100.8	4.841	mg/L	4.841	mg/L	21:46:57
2	Pb 220.353†	6955.6	5650.5	0.4821	mg/L	0.4821	mg/L	21:46:57
2	Sb 206.836†	785.6	608.0	0.5101	mg/L	0.5101	mg/L	21:46:57
2	Se 196.026†	1292.0	1060.3	1.028	mg/L	1.028	mg/L	21:46:57
2	Sn 189.927†	2804.7	2299.0	0.5250	mg/L	0.5250	mg/L	21:46:57
2	Ti 337.279†	414071.6	340296.7	0.4795	mg/L	0.4795	mg/L	21:46:45
2	Tl 190.801†	857.0	701.4	0.4803	mg/L	0.4803	mg/L	21:46:57
2	V 292.402†	96150.8	79596.1	0.5021	mg/L	0.5021	mg/L	21:46:47
2	Zn 213.857†	58710.2	47383.6	0.5046	mg/L	0.5046	mg/L	21:46:47

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3048584.3	1.23 mg/L	0.017			1.41%
Ag 328.068†	29093.3	0.2463 mg/L	0.00353	0.2463 mg/L	0.00353	1.43%
QC value within limits for Ag		328.068	Recovery =	98.52%		
Al 237.313†	19203.1	2.476 mg/L	0.0219	2.476 mg/L	0.0219	0.89%
QC value within limits for Al		237.313	Recovery =	99.06%		
As 188.979†	405.2	0.5075 mg/L	0.00389	0.5075 mg/L	0.00389	0.77%
QC value within limits for As		188.979	Recovery =	101.49%		
B 182.528†	265.0	0.5225 mg/L	0.00450	0.5225 mg/L	0.00450	0.86%
QC value within limits for B		182.528	Recovery =	104.51%		
B 249.677†	857.8	0.5011 mg/L	0.01315	0.5011 mg/L	0.01315	2.62%
QC value within limits for B		249.677	Recovery =	100.21%		
Ba 233.527†	36430.9	0.5020 mg/L	0.00721	0.5020 mg/L	0.00721	1.44%
QC value within limits for Ba		233.527	Recovery =	100.39%		
Be 313.107†	80893.8	0.0482 mg/L	0.00038	0.0482 mg/L	0.00038	0.80%
QC value within limits for Be		313.107	Recovery =	96.41%		
Ca 315.887†	507915.0	4.771 mg/L	0.0056	4.771 mg/L	0.0056	0.12%
QC value within limits for Ca		315.887	Recovery =	95.42%		
Cd 228.802†	6796.0	0.2385 mg/L	0.00208	0.2385 mg/L	0.00208	0.87%
QC value within limits for Cd		228.802	Recovery =	95.40%		
Co 228.616†	19675.9	0.4906 mg/L	0.00601	0.4906 mg/L	0.00601	1.22%
QC value within limits for Co		228.616	Recovery =	98.12%		
Cr 267.716†	44602.1	0.4886 mg/L	0.00550	0.4886 mg/L	0.00550	1.13%
QC value within limits for Cr		267.716	Recovery =	97.72%		
Cu 324.752†	87738.0	0.4911 mg/L	0.00594	0.4911 mg/L	0.00594	1.21%
QC value within limits for Cu		324.752	Recovery =	98.22%		
Fe 234.349†	3136.4	2.695 mg/L	0.0084	2.695 mg/L	0.0084	0.31%
QC value within limits for Fe		234.349	Recovery =	107.81%		
Fe 238.204†	288829.3	2.430 mg/L	0.0245	2.430 mg/L	0.0245	1.01%
QC value within limits for Fe		238.204	Recovery =	97.20%		
K 766.490†	43579.1	23.64 mg/L	0.379	23.64 mg/L	0.379	1.61%
QC value within limits for K		766.490	Recovery =	94.55%		
Li 670.784†	15420.8	0.4769 mg/L	0.00270	0.4769 mg/L	0.00270	0.57%
QC value within limits for Li		670.784	Recovery =	95.38%		
Mg 279.077†	56606.5	4.956 mg/L	0.0538	4.956 mg/L	0.0538	1.09%
QC value within limits for Mg		279.077	Recovery =	99.13%		
Mn 257.610†	284813.6	0.5008 mg/L	0.00544	0.5008 mg/L	0.00544	1.09%
QC value within limits for Mn		257.610	Recovery =	100.16%		
Mo 202.031†	9151.5	0.4865 mg/L	0.00423	0.4865 mg/L	0.00423	0.87%
QC value within limits for Mo		202.031	Recovery =	97.30%		
Na 589.592†	144138.7	23.68 mg/L	0.360	23.68 mg/L	0.360	1.52%
QC value within limits for Na		589.592	Recovery =	94.71%		
Ni 231.604†	14770.6	0.5204 mg/L	0.00492	0.5204 mg/L	0.00492	0.94%
QC value within limits for Ni		231.604	Recovery =	104.09%		
P 214.914†	8035.4	4.802 mg/L	0.0549	4.802 mg/L	0.0549	1.14%
QC value within limits for P		214.914	Recovery =	96.05%		
Pb 220.353†	5595.7	0.4773 mg/L	0.00668	0.4773 mg/L	0.00668	1.40%
QC value within limits for Pb		220.353	Recovery =	95.47%		
Sb 206.836†	600.9	0.5042 mg/L	0.00835	0.5042 mg/L	0.00835	1.66%
QC value within limits for Sb		206.836	Recovery =	100.85%		
Se 196.026†	1055.2	1.023 mg/L	0.0071	1.023 mg/L	0.0071	0.69%
QC value within limits for Se		196.026	Recovery =	102.29%		
Sn 189.927†	2290.2	0.5230 mg/L	0.00284	0.5230 mg/L	0.00284	0.54%
QC value within limits for Sn		189.927	Recovery =	104.60%		
Sr 407.771†	47310.7	0.0501 mg/L	0.00082	0.0501 mg/L	0.00082	1.63%
QC value within limits for Sr		407.771	Recovery =	100.17%		
Ti 337.279†	340151.0	0.4793 mg/L	0.00029	0.4793 mg/L	0.00029	0.06%
QC value within limits for Ti		337.279	Recovery =	95.85%		
Tl 190.801†	694.4	0.4755 mg/L	0.00682	0.4755 mg/L	0.00682	1.43%
QC value within limits for Tl		190.801	Recovery =	95.09%		
V 292.402†	78998.6	0.4983 mg/L	0.00536	0.4983 mg/L	0.00536	1.07%
QC value within limits for V		292.402	Recovery =	99.66%		
Zn 213.857†	47109.4	0.5016 mg/L	0.00413	0.5016 mg/L	0.00413	0.82%
QC value within limits for Zn		213.857	Recovery =	100.33%		

All analyte(s) passed QC.

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	13.1	6.2	0.0062	mg/L	0.0062	mg/L	21:50:38
1	Fe 234.349†	5.5	10.1	0.0272	mg/L	0.0272	mg/L	21:50:38
1	K 766.490†	210.5	-2.5	0.1959	mg/L	0.1959	mg/L	21:50:28
1	Li 670.784†	-145.0	61.0	0.0025	mg/L	0.0025	mg/L	21:50:28
1	Na 589.592†	657.5	368.8	0.1616	mg/L	0.1616	mg/L	21:50:28
1	Sr 407.771†	181.6	12.5	0.0005	mg/L	0.0005	mg/L	21:50:28
1	Y 371.029	3136015.1	3136015.1	1.27	mg/L			21:51:02
1	Ag 328.068†	1457.1	-233.3	-0.0035	mg/L	-0.0035	mg/L	21:51:04
1	Al 237.313†	-106.6	43.3	-0.0022	mg/L	-0.0022	mg/L	21:51:15
1	As 188.979†	1.7	-1.6	-0.0004	mg/L	-0.0004	mg/L	21:51:15
1	B 182.528†	5.3	1.5	0.0083	mg/L	0.0083	mg/L	21:51:15
1	Ba 233.527†	-29.0	31.5	-0.0015	mg/L	-0.0015	mg/L	21:51:15
1	Be 313.107†	-487.1	131.1	-0.0001	mg/L	-0.0001	mg/L	21:51:04
1	Ca 315.887†	417.1	177.7	-0.0146	mg/L	-0.0146	mg/L	21:51:04
1	Cd 228.802†	79.5	-0.1	0.0000	mg/L	0.0000	mg/L	21:51:15
1	Co 228.616†	-49.2	26.0	-0.0021	mg/L	-0.0021	mg/L	21:51:15
1	Cr 267.716†	389.4	-100.8	-0.0043	mg/L	-0.0043	mg/L	21:51:04
1	Cu 324.752†	1655.6	74.5	-0.0029	mg/L	-0.0029	mg/L	21:51:04
1	Fe 238.204†	1569.2	1082.8	-0.0026	mg/L	-0.0026	mg/L	21:51:15
1	Mg 279.077†	235.8	51.4	-0.0333	mg/L	-0.0333	mg/L	21:51:04
1	Mn 257.610†	697.8	-617.0	-0.0040	mg/L	-0.0040	mg/L	21:51:15
1	Mo 202.031†	36.4	1.6	-0.0002	mg/L	-0.0002	mg/L	21:51:15
1	Ni 231.604†	5.0	22.7	-0.0030	mg/L	-0.0030	mg/L	21:51:15
1	P 214.914†	358.7	-59.4	-0.0074	mg/L	-0.0074	mg/L	21:51:15
1	Pb 220.353†	103.2	23.4	-0.0019	mg/L	-0.0019	mg/L	21:51:15
1	Sb 206.836†	36.7	-7.8	-0.0077	mg/L	-0.0077	mg/L	21:51:15
1	Se 196.026†	4.4	3.4	0.0018	mg/L	0.0018	mg/L	21:51:15
1	Sn 189.927†	3.9	0.2	-0.0026	mg/L	-0.0026	mg/L	21:51:15
1	Ti 337.279†	223.6	635.7	-0.0012	mg/L	-0.0012	mg/L	21:51:04
1	Tl 190.801†	3.2	0.5	-0.0041	mg/L	-0.0041	mg/L	21:51:15
1	V 292.402†	-636.6	180.2	-0.0010	mg/L	-0.0010	mg/L	21:51:04
1	Zn 213.857†	1061.6	37.3	-0.0007	mg/L	-0.0007	mg/L	21:51:15
2	B 249.677†	12.1	5.4	0.0058	mg/L	0.0058	mg/L	21:50:58
2	Fe 234.349†	12.2	15.3	0.0316	mg/L	0.0316	mg/L	21:50:58
2	K 766.490†	207.5	-5.4	0.1943	mg/L	0.1943	mg/L	21:50:48
2	Li 670.784†	-175.2	37.5	0.0017	mg/L	0.0017	mg/L	21:50:48
2	Na 589.592†	622.9	339.9	0.1569	mg/L	0.1569	mg/L	21:50:48
2	Sr 407.771†	201.5	27.7	0.0005	mg/L	0.0005	mg/L	21:50:48
2	Y 371.029	3145885.9	3145885.9	1.27	mg/L			21:51:17
2	Ag 328.068†	1369.8	-305.6	-0.0041	mg/L	-0.0041	mg/L	21:51:19
2	Al 237.313†	-67.3	74.5	0.0018	mg/L	0.0018	mg/L	21:51:29
2	As 188.979†	1.8	-1.5	-0.0003	mg/L	-0.0003	mg/L	21:51:29
2	B 182.528†	3.5	0.1	0.0056	mg/L	0.0056	mg/L	21:51:29
2	Ba 233.527†	-39.5	23.3	-0.0016	mg/L	-0.0016	mg/L	21:51:29
2	Be 313.107†	-463.2	151.2	-0.0001	mg/L	-0.0001	mg/L	21:51:19
2	Ca 315.887†	576.7	302.3	-0.0134	mg/L	-0.0134	mg/L	21:51:19
2	Cd 228.802†	86.3	5.1	0.0002	mg/L	0.0002	mg/L	21:51:29
2	Co 228.616†	-59.3	18.1	-0.0023	mg/L	-0.0023	mg/L	21:51:29
2	Cr 267.716†	438.2	-63.4	-0.0039	mg/L	-0.0039	mg/L	21:51:19
2	Cu 324.752†	1653.2	68.5	-0.0029	mg/L	-0.0029	mg/L	21:51:19
2	Fe 238.204†	1440.9	977.8	-0.0034	mg/L	-0.0034	mg/L	21:51:29
2	Mg 279.077†	195.1	18.7	-0.0362	mg/L	-0.0362	mg/L	21:51:19
2	Mn 257.610†	710.7	-608.6	-0.0040	mg/L	-0.0040	mg/L	21:51:29
2	Mo 202.031†	49.4	11.8	0.0004	mg/L	0.0004	mg/L	21:51:29
2	Ni 231.604†	-9.7	11.1	-0.0034	mg/L	-0.0034	mg/L	21:51:29
2	P 214.914†	374.4	-47.9	-0.0006	mg/L	-0.0006	mg/L	21:51:29
2	Pb 220.353†	76.0	1.7	-0.0037	mg/L	-0.0037	mg/L	21:51:29
2	Sb 206.836†	39.6	-5.7	-0.0059	mg/L	-0.0059	mg/L	21:51:29
2	Se 196.026†	-1.3	-1.1	-0.0026	mg/L	-0.0026	mg/L	21:51:29
2	Sn 189.927†	4.5	0.7	-0.0025	mg/L	-0.0025	mg/L	21:51:29
2	Ti 337.279†	278.3	678.2	-0.0011	mg/L	-0.0011	mg/L	21:51:19
2	Tl 190.801†	2.5	-0.1	-0.0045	mg/L	-0.0045	mg/L	21:51:29
2	V 292.402†	-741.3	99.4	-0.0015	mg/L	-0.0015	mg/L	21:51:19
2	Zn 213.857†	1055.3	29.8	-0.0008	mg/L	-0.0008	mg/L	21:51:29

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3140950.5	1.27 mg/L	0.003			0.22%
Ag 328.068†	-269.5	-0.0038 mg/L	0.00044	-0.0038 mg/L	0.00044	11.41%
QC value	less than the lower limit	for Ag 328.068	Recovery =	Not calculated		
Al 237.313†	58.9	-0.0002 mg/L	0.00285	-0.0002 mg/L	0.00285	>999.9%
QC value	within limits	for Al 237.313	Recovery =	Not calculated		
As 188.979†	-1.6	-0.0004 mg/L	0.00008	-0.0004 mg/L	0.00008	22.42%
QC value	within limits	for As 188.979	Recovery =	Not calculated		
B 182.528†	0.8	0.0069 mg/L	0.00195	0.0069 mg/L	0.00195	27.99%
QC value	within limits	for B 182.528	Recovery =	Not calculated		
B 249.677†	5.8	0.0060 mg/L	0.00033	0.0060 mg/L	0.00033	5.55%
QC value	within limits	for B 249.677	Recovery =	Not calculated		
Ba 233.527†	27.4	-0.0015 mg/L	0.00008	-0.0015 mg/L	0.00008	5.28%
QC value	within limits	for Ba 233.527	Recovery =	Not calculated		
Be 313.107†	141.1	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	10.81%
QC value	within limits	for Be 313.107	Recovery =	Not calculated		
Ca 315.887†	240.0	-0.0140 mg/L	0.00083	-0.0140 mg/L	0.00083	5.92%
QC value	within limits	for Ca 315.887	Recovery =	Not calculated		
Cd 228.802†	2.5	0.0001 mg/L	0.00013	0.0001 mg/L	0.00013	213.10%
QC value	within limits	for Cd 228.802	Recovery =	Not calculated		
Co 228.616†	22.1	-0.0022 mg/L	0.00014	-0.0022 mg/L	0.00014	6.39%
QC value	less than the lower limit	for Co 228.616	Recovery =	Not calculated		
Cr 267.716†	-82.1	-0.0041 mg/L	0.00029	-0.0041 mg/L	0.00029	7.10%
QC value	within limits	for Cr 267.716	Recovery =	Not calculated		
Cu 324.752†	71.5	-0.0029 mg/L	0.00002	-0.0029 mg/L	0.00002	0.82%
QC value	within limits	for Cu 324.752	Recovery =	Not calculated		
Fe 234.349†	12.7	0.0294 mg/L	0.00316	0.0294 mg/L	0.00316	10.73%
QC value	greater than the upper limit	for Fe 234.349	Recovery =	Not calculated		
Fe 238.204†	1030.3	-0.0030 mg/L	0.00063	-0.0030 mg/L	0.00063	20.90%
QC value	within limits	for Fe 238.204	Recovery =	Not calculated		
K 766.490†	-3.9	0.1951 mg/L	0.00109	0.1951 mg/L	0.00109	0.56%
QC value	greater than the upper limit	for K 766.490	Recovery =	Not calculated		
Li 670.784†	49.3	0.0021 mg/L	0.00051	0.0021 mg/L	0.00051	24.31%
QC value	within limits	for Li 670.784	Recovery =	Not calculated		
Mg 279.077†	35.0	-0.0347 mg/L	0.00204	-0.0347 mg/L	0.00204	5.87%
QC value	less than the lower limit	for Mg 279.077	Recovery =	Not calculated		
Mn 257.610†	-612.8	-0.0040 mg/L	0.00001	-0.0040 mg/L	0.00001	0.26%
QC value	less than the lower limit	for Mn 257.610	Recovery =	Not calculated		
Mo 202.031†	6.7	0.0001 mg/L	0.00038	0.0001 mg/L	0.00038	334.91%
QC value	within limits	for Mo 202.031	Recovery =	Not calculated		
Na 589.592†	354.3	0.1592 mg/L	0.00334	0.1592 mg/L	0.00334	2.10%
QC value	greater than the upper limit	for Na 589.592	Recovery =	Not calculated		
Ni 231.604†	16.9	-0.0032 mg/L	0.00029	-0.0032 mg/L	0.00029	9.11%
QC value	less than the lower limit	for Ni 231.604	Recovery =	Not calculated		
P 214.914†	-53.7	-0.0040 mg/L	0.00482	-0.0040 mg/L	0.00482	119.17%
QC value	within limits	for P 214.914	Recovery =	Not calculated		
Pb 220.353†	12.5	-0.0028 mg/L	0.00132	-0.0028 mg/L	0.00132	47.18%
QC value	within limits	for Pb 220.353	Recovery =	Not calculated		
Sb 206.836†	-6.7	-0.0068 mg/L	0.00127	-0.0068 mg/L	0.00127	18.62%
QC value	within limits	for Sb 206.836	Recovery =	Not calculated		
Se 196.026†	1.2	-0.0004 mg/L	0.00311	-0.0004 mg/L	0.00311	837.49%
QC value	within limits	for Se 196.026	Recovery =	Not calculated		
Sn 189.927†	0.4	-0.0025 mg/L	0.00008	-0.0025 mg/L	0.00008	3.22%
QC value	within limits	for Sn 189.927	Recovery =	Not calculated		
Sr 407.771†	20.1	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	2.37%
QC value	within limits	for Sr 407.771	Recovery =	Not calculated		
Ti 337.279†	657.0	-0.0011 mg/L	0.00004	-0.0011 mg/L	0.00004	3.78%
QC value	less than the lower limit	for Ti 337.279	Recovery =	Not calculated		
Tl 190.801†	0.2	-0.0043 mg/L	0.00027	-0.0043 mg/L	0.00027	6.20%
QC value	within limits	for Tl 190.801	Recovery =	Not calculated		
V 292.402†	139.8	-0.0013 mg/L	0.00035	-0.0013 mg/L	0.00035	27.37%
QC value	within limits	for V 292.402	Recovery =	Not calculated		
Zn 213.857†	33.6	-0.0007 mg/L	0.00006	-0.0007 mg/L	0.00006	7.82%
QC value	within limits	for Zn 213.857	Recovery =	Not calculated		
QC Failed.	Continue with analysis.					

Sequence No.: 87
Sample ID: 1210126-02
Analyst:

Autosampler Location: 79
Date Collected: 10/6/2012 9:53:07 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	2.3	-2.3	0.0012	mg/L	0.0012	mg/L	21:54:52
1	Fe 234.349†	166497.1	132390.9	113.5	mg/L	113.5	mg/L	21:54:50
1	K 766.490†	17281.3	13572.0	7.497	mg/L	7.497	mg/L	21:54:52
1	Li 670.784†	3240.6	2752.1	0.0856	mg/L	0.0856	mg/L	21:54:52
1	Na 589.592†	3774.9	2850.9	0.5676	mg/L	0.5676	mg/L	21:54:52
1	Sr 407.771†	59370.7	47075.9	0.0498	mg/L	0.0498	mg/L	21:54:50
1	Y 371.029	3115260.6	3115260.6	1.26	mg/L			21:55:04
1	Ag 328.068†	34725.3	26226.6	0.2305	mg/L	0.2305	mg/L	21:55:07
1	Al 237.313†	678371.5	539514.3	69.65	mg/L	69.65	mg/L	21:55:04
1	As 188.979†	56.4	41.8	0.1004	mg/L	0.1004	mg/L	21:55:17
1	B 182.528†	13.1	7.8	0.0206	mg/L	0.0206	mg/L	21:55:17
1	Ba 233.527†	25815.3	20580.7	0.2826	mg/L	0.2826	mg/L	21:55:07
1	Be 313.107†	7162.3	6210.7	0.0036	mg/L	0.0036	mg/L	21:55:07
1	Ca 315.887†	1127804.2	896587.9	8.434	mg/L	8.434	mg/L	21:55:04
1	Cd 228.802†	200.4	96.5	0.0031	mg/L	0.0031	mg/L	21:55:17
1	Co 228.616†	2057.5	1700.8	0.0321	mg/L	0.0321	mg/L	21:55:17
1	Cr 267.716†	18098.4	13982.1	0.1508	mg/L	0.1508	mg/L	21:55:07
1	Cu 324.752†	337955.4	267481.9	1.506	mg/L	1.506	mg/L	21:55:04
1	Fe 238.204†	14557094.3	11574480.2	97.82	mg/L	97.82	mg/L	21:55:02
1	Mg 279.077†	220080.0	174855.1	15.39	mg/L	15.39	mg/L	21:55:07
1	Mn 257.610†	1138666.1	904208.0	1.596	mg/L	1.596	mg/L	21:55:04
1	Mo 202.031†	277.2	193.3	-0.0263	mg/L	-0.0263	mg/L	21:55:17
1	Ni 231.604†	4764.2	3806.9	0.1311	mg/L	0.1311	mg/L	21:55:17
1	P 214.914†	9622.2	7308.1	4.616	mg/L	4.616	mg/L	21:55:17
1	Pb 220.353†	32003.4	25388.4	2.166	mg/L	2.166	mg/L	21:55:07
1	Sb 206.836†	72.5	20.9	-0.0334	mg/L	-0.0334	mg/L	21:55:17
1	Se 196.026†	-26.7	-21.3	0.0262	mg/L	0.0262	mg/L	21:55:17
1	Sn 189.927†	1057.7	838.1	0.5186	mg/L	0.5186	mg/L	21:55:17
1	Ti 337.279†	3575710.4	2843578.0	4.022	mg/L	4.022	mg/L	21:55:04
1	Tl 190.801†	11.6	7.2	-0.0709	mg/L	-0.0709	mg/L	21:55:17
1	V 292.402†	122562.3	98134.8	0.5888	mg/L	0.5888	mg/L	21:55:07
1	Zn 213.857†	79396.6	62328.7	0.6656	mg/L	0.6656	mg/L	21:55:07
2	B 249.677†	15.5	8.3	0.0074	mg/L	0.0074	mg/L	21:54:57
2	Fe 234.349†	172111.8	138097.0	118.4	mg/L	118.4	mg/L	21:54:55
2	K 766.490†	17202.2	13633.2	7.530	mg/L	7.530	mg/L	21:54:57
2	Li 670.784†	3325.4	2843.6	0.0884	mg/L	0.0884	mg/L	21:54:57
2	Na 589.592†	3866.1	2951.3	0.5840	mg/L	0.5840	mg/L	21:54:57
2	Sr 407.771†	61210.7	48980.5	0.0518	mg/L	0.0518	mg/L	21:54:55
2	Y 371.029	3087248.9	3087248.9	1.25	mg/L			21:55:22
2	Ag 328.068†	35021.2	26714.5	0.2350	mg/L	0.2350	mg/L	21:55:25
2	Al 237.313†	671748.7	539094.6	69.59	mg/L	69.59	mg/L	21:55:22
2	As 188.979†	60.8	45.8	0.1074	mg/L	0.1074	mg/L	21:55:35
2	B 182.528†	12.1	7.1	0.0191	mg/L	0.0191	mg/L	21:55:35
2	Ba 233.527†	25956.2	20880.0	0.2867	mg/L	0.2867	mg/L	21:55:25
2	Be 313.107†	7113.2	6223.0	0.0036	mg/L	0.0036	mg/L	21:55:25
2	Ca 315.887†	1115327.9	894714.1	8.417	mg/L	8.417	mg/L	21:55:22
2	Cd 228.802†	197.2	95.4	0.0031	mg/L	0.0031	mg/L	21:55:35
2	Co 228.616†	2023.7	1688.6	0.0318	mg/L	0.0318	mg/L	21:55:35
2	Cr 267.716†	18281.7	14259.7	0.1538	mg/L	0.1538	mg/L	21:55:25
2	Cu 324.752†	335477.9	267932.2	1.509	mg/L	1.509	mg/L	21:55:22
2	Fe 238.204†	14424228.2	11572897.8	97.80	mg/L	97.80	mg/L	21:55:20
2	Mg 279.077†	221749.0	177781.9	15.65	mg/L	15.65	mg/L	21:55:25
2	Mn 257.610†	1128285.8	904094.3	1.596	mg/L	1.596	mg/L	21:55:22
2	Mo 202.031†	277.5	195.5	-0.0277	mg/L	-0.0277	mg/L	21:55:35
2	Ni 231.604†	4711.1	3798.7	0.1308	mg/L	0.1308	mg/L	21:55:35
2	P 214.914†	9570.7	7336.2	4.644	mg/L	4.644	mg/L	21:55:35
2	Pb 220.353†	32046.9	25654.2	2.189	mg/L	2.189	mg/L	21:55:25
2	Sb 206.836†	73.0	21.8	-0.0348	mg/L	-0.0348	mg/L	21:55:35
2	Se 196.026†	-21.8	-17.5	0.0319	mg/L	0.0319	mg/L	21:55:35
2	Sn 189.927†	1034.6	827.3	0.5304	mg/L	0.5304	mg/L	21:55:35
2	Ti 337.279†	3548538.2	2847573.4	4.027	mg/L	4.027	mg/L	21:55:22
2	Tl 190.801†	11.4	7.1	-0.0738	mg/L	-0.0738	mg/L	21:55:35
2	V 292.402†	123622.2	99869.4	0.5988	mg/L	0.5988	mg/L	21:55:25
2	Zn 213.857†	79988.9	63376.7	0.6768	mg/L	0.6768	mg/L	21:55:25

Mean Data: 1210126-02

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3101254.7	1.25	mg/L	0.008				0.64%
Ag 328.068†	26470.5	0.2327	mg/L	0.00320	0.2327	mg/L	0.00320	1.38%
Al 237.313†	539304.4	69.62	mg/L	0.038	69.62	mg/L	0.038	0.06%
As 188.979†	43.8	0.1039	mg/L	0.00493	0.1039	mg/L	0.00493	4.75%
B 182.528†	7.4	0.0199	mg/L	0.00100	0.0199	mg/L	0.00100	5.06%
B 249.677†	3.0	0.0043	mg/L	0.00436	0.0043	mg/L	0.00436	101.95%
Ba 233.527†	20730.3	0.2846	mg/L	0.00292	0.2846	mg/L	0.00292	1.03%
Be 313.107†	6216.9	0.0036	mg/L	0.00001	0.0036	mg/L	0.00001	0.15%
Ca 315.887†	895651.0	8.425	mg/L	0.0124	8.425	mg/L	0.0124	0.15%
Cd 228.802†	96.0	0.0031	mg/L	0.00004	0.0031	mg/L	0.00004	1.42%
Co 228.616†	1694.7	0.0319	mg/L	0.00023	0.0319	mg/L	0.00023	0.71%
Cr 267.716†	14120.9	0.1523	mg/L	0.00216	0.1523	mg/L	0.00216	1.42%
Cu 324.752†	267707.1	1.507	mg/L	0.0018	1.507	mg/L	0.0018	0.12%
Fe 234.349†	135243.9	115.9	mg/L	3.46	115.9	mg/L	3.46	2.98%
Fe 238.204†	11573689.0	97.81	mg/L	0.009	97.81	mg/L	0.009	0.01%
K 766.490†	13602.6	7.514	mg/L	0.0233	7.514	mg/L	0.0233	0.31%
Li 670.784†	2797.8	0.0870	mg/L	0.00200	0.0870	mg/L	0.00200	2.29%
Mg 279.077†	176318.5	15.52	mg/L	0.183	15.52	mg/L	0.183	1.18%
Mn 257.610†	904151.1	1.596	mg/L	0.0001	1.596	mg/L	0.0001	0.01%
Mo 202.031†	194.4	-0.0270	mg/L	0.00099	-0.0270	mg/L	0.00099	3.68%
Na 589.592†	2901.1	0.5758	mg/L	0.01161	0.5758	mg/L	0.01161	2.02%
Ni 231.604†	3802.8	0.1310	mg/L	0.00021	0.1310	mg/L	0.00021	0.16%
P 214.914†	7322.2	4.630	mg/L	0.0199	4.630	mg/L	0.0199	0.43%
Pb 220.353†	25521.3	2.178	mg/L	0.0162	2.178	mg/L	0.0162	0.74%
Sb 206.836†	21.3	-0.0341	mg/L	0.00099	-0.0341	mg/L	0.00099	2.90%
Se 196.026†	-19.4	0.0291	mg/L	0.00403	0.0291	mg/L	0.00403	13.86%
Sn 189.927†	832.7	0.5245	mg/L	0.00837	0.5245	mg/L	0.00837	1.60%
Sr 407.771†	48028.2	0.0508	mg/L	0.00141	0.0508	mg/L	0.00141	2.78%
Ti 337.279†	2845575.7	4.025	mg/L	0.0040	4.025	mg/L	0.0040	0.10%
Tl 190.801†	7.2	-0.0724	mg/L	0.00201	-0.0724	mg/L	0.00201	2.78%
V 292.402†	99002.1	0.5938	mg/L	0.00704	0.5938	mg/L	0.00704	1.19%
Zn 213.857†	62852.7	0.6712	mg/L	0.00797	0.6712	mg/L	0.00797	1.19%

Sequence No.: 88

Sample ID: 1210126-03

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 80

Date Collected: 10/6/2012 9:57:13 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-03

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time
		Intensity	Corrected Intensity		Conc. Units	Conc. Units	
1	B 249.677†	12.0	5.4	0.0057 mg/L	0.0057	mg/L	21:58:55
1	Fe 234.349†	162878.6	130552.1	111.9 mg/L	111.9	mg/L	21:58:53
1	K 766.490†	16576.8	13117.5	7.253 mg/L	7.253	mg/L	21:58:55
1	Li 670.784†	3185.6	2728.7	0.0849 mg/L	0.0849	mg/L	21:58:55
1	Na 589.592†	3808.9	2902.2	0.5760 mg/L	0.5760	mg/L	21:58:55
1	Sr 407.771†	60397.7	48277.4	0.0511 mg/L	0.0511	mg/L	21:58:53
1	Y 371.029	3090483.9	3090483.9	1.25 mg/L			21:59:07
1	Ag 328.068†	13550.1	9476.1	0.0878 mg/L	0.0878	mg/L	21:59:10
1	Al 237.313†	727612.4	583304.9	75.30 mg/L	75.30	mg/L	21:59:07
1	As 188.979†	62.0	46.7	0.1061 mg/L	0.1061	mg/L	21:59:20
1	B 182.528†	10.9	6.1	0.0172 mg/L	0.0172	mg/L	21:59:20
1	Ba 233.527†	24279.1	19514.0	0.2679 mg/L	0.2679	mg/L	21:59:10
1	Be 313.107†	7479.9	6510.9	0.0037 mg/L	0.0037	mg/L	21:59:10
1	Ca 315.887†	1022838.1	819647.4	7.708 mg/L	7.708	mg/L	21:59:07
1	Cd 228.802†	201.8	98.9	0.0032 mg/L	0.0032	mg/L	21:59:20
1	Co 228.616†	2251.0	1869.0	0.0366 mg/L	0.0366	mg/L	21:59:20
1	Cr 267.716†	9750.3	7406.5	0.0784 mg/L	0.0784	mg/L	21:59:10
1	Cu 324.752†	319658.5	254971.3	1.435 mg/L	1.435	mg/L	21:59:07
1	Fe 238.204†	13606468.7	10905353.9	92.16 mg/L	92.16	mg/L	21:59:05
1	Mg 279.077†	204559.4	163818.3	14.42 mg/L	14.42	mg/L	21:59:07
1	Mn 257.610†	1123895.7	899628.1	1.588 mg/L	1.588	mg/L	21:59:07
1	Mo 202.031†	143.6	88.0	-0.0314 mg/L	-0.0314	mg/L	21:59:10
1	Ni 231.604†	3763.7	3035.4	0.1038 mg/L	0.1038	mg/L	21:59:10
1	P 214.914†	7827.4	5930.9	3.794 mg/L	3.794	mg/L	21:59:10
1	Pb 220.353†	14638.8	11674.8	0.9811 mg/L	0.9811	mg/L	21:59:10
1	Sb 206.836†	64.4	14.8	-0.0379 mg/L	-0.0379	mg/L	21:59:20

1	Se 196.026†	-18.6	-15.0	0.0316 mg/L	0.0316 mg/L	21:59:20
1	Sn 189.927†	206.0	162.2	0.3611 mg/L	0.3611 mg/L	21:59:20
1	Ti 337.279†	3436256.9	2754600.4	3.896 mg/L	3.896 mg/L	21:59:07
1	Tl 190.801†	3.2	0.6	-0.0742 mg/L	-0.0742 mg/L	21:59:20
1	V 292.402†	89367.2	72310.4	0.4270 mg/L	0.4270 mg/L	21:59:10
1	Zn 213.857†	87105.4	69013.4	0.7377 mg/L	0.7377 mg/L	21:59:10
2	B 249.677†	11.4	5.0	0.0054 mg/L	0.0054 mg/L	21:59:00
2	Fe 234.349†	163936.5	131549.0	112.8 mg/L	112.8 mg/L	21:58:58
2	K 766.490†	16603.6	13154.1	7.272 mg/L	7.272 mg/L	21:59:00
2	Li 670.784†	3149.0	2702.2	0.0841 mg/L	0.0841 mg/L	21:59:00
2	Na 589.592†	3739.3	2849.8	0.5674 mg/L	0.5674 mg/L	21:59:00
2	Sr 407.771†	60599.8	48494.6	0.0513 mg/L	0.0513 mg/L	21:58:58
2	Y 371.029	3086982.7	3086982.7	1.25 mg/L		21:59:25
2	Ag 328.068†	13633.0	9555.0	0.0885 mg/L	0.0885 mg/L	21:59:28
2	Al 237.313†	728263.3	584488.6	75.45 mg/L	75.45 mg/L	21:59:25
2	As 188.979†	61.2	46.1	0.1058 mg/L	0.1058 mg/L	21:59:38
2	B 182.528†	16.2	10.3	0.0255 mg/L	0.0255 mg/L	21:59:38
2	Ba 233.527†	24209.9	19480.5	0.2674 mg/L	0.2674 mg/L	21:59:28
2	Be 313.107†	7268.8	6348.4	0.0036 mg/L	0.0036 mg/L	21:59:28
2	Ca 315.887†	1023229.6	820891.4	7.720 mg/L	7.720 mg/L	21:59:25
2	Cd 228.802†	205.2	101.9	0.0033 mg/L	0.0033 mg/L	21:59:38
2	Co 228.616†	2254.2	1873.7	0.0366 mg/L	0.0366 mg/L	21:59:38
2	Cr 267.716†	9775.4	7435.5	0.0787 mg/L	0.0787 mg/L	21:59:28
2	Cu 324.752†	320670.3	256073.7	1.442 mg/L	1.442 mg/L	21:59:25
2	Fe 238.204†	13561310.1	10881487.1	91.96 mg/L	91.96 mg/L	21:59:23
2	Mg 279.077†	204844.7	164233.2	14.45 mg/L	14.45 mg/L	21:59:25
2	Mn 257.610†	1124548.4	901173.4	1.591 mg/L	1.591 mg/L	21:59:25
2	Mo 202.031†	115.2	65.3	-0.0329 mg/L	-0.0329 mg/L	21:59:28
2	Ni 231.604†	3714.6	2999.4	0.1025 mg/L	0.1025 mg/L	21:59:28
2	P 214.914†	7731.6	5861.1	3.754 mg/L	3.754 mg/L	21:59:28
2	Pb 220.353†	14610.3	11665.2	0.9802 mg/L	0.9802 mg/L	21:59:28
2	Sb 206.836†	56.9	8.8	-0.0434 mg/L	-0.0434 mg/L	21:59:38
2	Se 196.026†	-25.3	-20.4	0.0268 mg/L	0.0268 mg/L	21:59:38
2	Sn 189.927†	185.9	146.3	0.3600 mg/L	0.3600 mg/L	21:59:38
2	Ti 337.279†	3441980.3	2762316.5	3.907 mg/L	3.907 mg/L	21:59:25
2	Tl 190.801†	6.5	3.2	-0.0728 mg/L	-0.0728 mg/L	21:59:38
2	V 292.402†	89060.2	72145.3	0.4258 mg/L	0.4258 mg/L	21:59:28
2	Zn 213.857†	86571.7	68664.3	0.7339 mg/L	0.7339 mg/L	21:59:28

Mean Data: 1210126-03

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3088733.3	1.25	mg/L	0.001				0.08%
Ag 328.068†	9515.5	0.0882	mg/L	0.00052	0.0882	mg/L	0.00052	0.59%
Al 237.313†	583896.7	75.37	mg/L	0.108	75.37	mg/L	0.108	0.14%
As 188.979†	46.4	0.1060	mg/L	0.00024	0.1060	mg/L	0.00024	0.23%
B 182.528†	8.2	0.0214	mg/L	0.00586	0.0214	mg/L	0.00586	27.41%
B 249.677†	5.2	0.0055	mg/L	0.00019	0.0055	mg/L	0.00019	3.35%
Ba 233.527†	19497.3	0.2677	mg/L	0.00033	0.2677	mg/L	0.00033	0.12%
Be 313.107†	6429.7	0.0037	mg/L	0.00007	0.0037	mg/L	0.00007	1.86%
Ca 315.887†	820269.4	7.714	mg/L	0.0083	7.714	mg/L	0.0083	0.11%
Cd 228.802†	100.4	0.0032	mg/L	0.00008	0.0032	mg/L	0.00008	2.35%
Co 228.616†	1871.3	0.0366	mg/L	0.00007	0.0366	mg/L	0.00007	0.18%
Cr 267.716†	7421.0	0.0785	mg/L	0.00022	0.0785	mg/L	0.00022	0.29%
Cu 324.752†	255522.5	1.439	mg/L	0.0044	1.439	mg/L	0.0044	0.31%
Fe 234.349†	131050.5	112.3	mg/L	0.60	112.3	mg/L	0.60	0.54%
Fe 238.204†	10893420.5	92.06	mg/L	0.143	92.06	mg/L	0.143	0.15%
K 766.490†	13135.8	7.263	mg/L	0.0139	7.263	mg/L	0.0139	0.19%
Li 670.784†	2715.4	0.0845	mg/L	0.00058	0.0845	mg/L	0.00058	0.68%
Mg 279.077†	164025.8	14.43	mg/L	0.026	14.43	mg/L	0.026	0.18%
Mn 257.610†	900400.7	1.589	mg/L	0.0019	1.589	mg/L	0.0019	0.12%
Mo 202.031†	76.6	-0.0321	mg/L	0.00104	-0.0321	mg/L	0.00104	3.25%
Na 589.592†	2876.0	0.5717	mg/L	0.00606	0.5717	mg/L	0.00606	1.06%
Ni 231.604†	3017.4	0.1032	mg/L	0.00090	0.1032	mg/L	0.00090	0.87%
P 214.914†	5896.0	3.774	mg/L	0.0280	3.774	mg/L	0.0280	0.74%
Pb 220.353†	11670.0	0.9806	mg/L	0.00062	0.9806	mg/L	0.00062	0.06%
Sb 206.836†	11.8	-0.0407	mg/L	0.00384	-0.0407	mg/L	0.00384	9.43%
Se 196.026†	-17.7	0.0292	mg/L	0.00342	0.0292	mg/L	0.00342	11.71%
Sn 189.927†	154.3	0.3606	mg/L	0.00078	0.3606	mg/L	0.00078	0.22%
Sr 407.771†	48386.0	0.0512	mg/L	0.00016	0.0512	mg/L	0.00016	0.31%
Ti 337.279†	2758458.4	3.901	mg/L	0.0077	3.901	mg/L	0.0077	0.20%
Tl 190.801†	1.9	-0.0735	mg/L	0.00094	-0.0735	mg/L	0.00094	1.28%

V 292.402†	72227.9	0.4264 mg/L	0.00086	0.4264 mg/L	0.00086	0.20%
Zn 213.857†	68838.8	0.7358 mg/L	0.00266	0.7358 mg/L	0.00266	0.36%

Sequence No.: 89	Autosampler Location: 81
Sample ID: 1210126-04	Date Collected: 10/6/2012 10:01:16 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210126-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Sample Conc. Units	Analysis Time
1	B 249.677†	8.5	2.5	0.0039 mg/L		0.0039 mg/L	22:02:58
1	Fe 234.349†	167229.2	130761.2	112.1 mg/L		112.1 mg/L	22:02:56
1	K 766.490†	13529.9	10410.3	5.797 mg/L		5.797 mg/L	22:02:58
1	Li 670.784†	2940.0	2474.2	0.0770 mg/L		0.0770 mg/L	22:02:58
1	Na 589.592†	3245.8	2387.3	0.4918 mg/L		0.4918 mg/L	22:02:58
1	Sr 407.771†	49921.0	38901.9	0.0413 mg/L		0.0413 mg/L	22:02:56
1	Y 371.029	3167957.8	3167957.8	1.28 mg/L			22:03:10
1	Ag 328.068†	22957.0	16565.7	0.1481 mg/L		0.1481 mg/L	22:03:12
1	Al 237.313†	609328.0	476557.2	61.52 mg/L		61.52 mg/L	22:03:10
1	As 188.979†	58.7	42.9	0.1016 mg/L		0.1016 mg/L	22:03:22
1	B 182.528†	14.3	8.5	0.0220 mg/L		0.0220 mg/L	22:03:22
1	Ba 233.527†	24441.7	19165.2	0.2631 mg/L		0.2631 mg/L	22:03:12
1	Be 313.107†	7076.4	6048.8	0.0035 mg/L		0.0035 mg/L	22:03:12
1	Ca 315.887†	865921.6	676906.8	6.363 mg/L		6.363 mg/L	22:03:10
1	Cd 228.802†	179.6	77.6	0.0024 mg/L		0.0024 mg/L	22:03:22
1	Co 228.616†	2567.0	2072.0	0.0428 mg/L		0.0428 mg/L	22:03:22
1	Cr 267.716†	11517.0	8596.7	0.0915 mg/L		0.0915 mg/L	22:03:12
1	Cu 324.752†	244679.5	190080.1	1.070 mg/L		1.070 mg/L	22:03:12
1	Fe 238.204†	13989976.2	10938516.6	92.44 mg/L		92.44 mg/L	22:03:07
1	Mg 279.077†	196602.5	153587.4	13.51 mg/L		13.51 mg/L	22:03:12
1	Mn 257.610†	1198412.1	935862.6	1.652 mg/L		1.652 mg/L	22:03:10
1	Mo 202.031†	187.6	119.6	-0.0295 mg/L		-0.0295 mg/L	22:03:22
1	Ni 231.604†	3538.8	2785.8	0.0949 mg/L		0.0949 mg/L	22:03:22
1	P 214.914†	8681.7	6445.4	4.107 mg/L		4.107 mg/L	22:03:22
1	Pb 220.353†	20521.6	15987.5	1.357 mg/L		1.357 mg/L	22:03:12
1	Sb 206.836†	62.6	12.1	-0.0403 mg/L		-0.0403 mg/L	22:03:22
1	Se 196.026†	-33.5	-26.3	0.0208 mg/L		0.0208 mg/L	22:03:22
1	Sn 189.927†	724.6	563.7	0.4524 mg/L		0.4524 mg/L	22:03:22
1	Ti 337.279†	2982725.6	2332633.3	3.299 mg/L		3.299 mg/L	22:03:10
1	Tl 190.801†	6.3	2.9	-0.0717 mg/L		-0.0717 mg/L	22:03:22
1	V 292.402†	84698.8	66908.5	0.3937 mg/L		0.3937 mg/L	22:03:12
1	Zn 213.857†	68703.9	52918.0	0.5654 mg/L		0.5654 mg/L	22:03:12
2	B 249.677†	-8.8	-11.1	-0.0040 mg/L		-0.0040 mg/L	22:03:02
2	Fe 234.349†	165766.0	130353.7	111.7 mg/L		111.7 mg/L	22:03:00
2	K 766.490†	13371.3	10345.7	5.762 mg/L		5.762 mg/L	22:03:02
2	Li 670.784†	2980.4	2519.0	0.0784 mg/L		0.0784 mg/L	22:03:02
2	Na 589.592†	3215.2	2377.7	0.4902 mg/L		0.4902 mg/L	22:03:02
2	Sr 407.771†	49502.0	38794.3	0.0412 mg/L		0.0412 mg/L	22:03:00
2	Y 371.029	3150055.2	3150055.2	1.27 mg/L			22:03:28
2	Ag 328.068†	23003.2	16704.1	0.1493 mg/L		0.1493 mg/L	22:03:30
2	Al 237.313†	604777.1	475686.3	61.40 mg/L		61.40 mg/L	22:03:28
2	As 188.979†	60.4	44.5	0.1034 mg/L		0.1034 mg/L	22:03:40
2	B 182.528†	12.8	7.4	0.0198 mg/L		0.0198 mg/L	22:03:40
2	Ba 233.527†	24464.3	19291.6	0.2648 mg/L		0.2648 mg/L	22:03:30
2	Be 313.107†	7120.0	6114.6	0.0035 mg/L		0.0035 mg/L	22:03:30
2	Ca 315.887†	861661.3	677404.7	6.368 mg/L		6.368 mg/L	22:03:28
2	Cd 228.802†	175.2	75.0	0.0023 mg/L		0.0023 mg/L	22:03:40
2	Co 228.616†	2586.0	2098.3	0.0435 mg/L		0.0435 mg/L	22:03:40
2	Cr 267.716†	11591.5	8706.5	0.0927 mg/L		0.0927 mg/L	22:03:30
2	Cu 324.752†	245199.9	191576.6	1.078 mg/L		1.078 mg/L	22:03:30
2	Fe 238.204†	13916884.7	10943209.2	92.48 mg/L		92.48 mg/L	22:03:25
2	Mg 279.077†	197591.4	155238.6	13.66 mg/L		13.66 mg/L	22:03:30
2	Mn 257.610†	1190389.6	934879.6	1.650 mg/L		1.650 mg/L	22:03:28
2	Mo 202.031†	200.5	130.6	-0.0288 mg/L		-0.0288 mg/L	22:03:40
2	Ni 231.604†	3567.4	2824.0	0.0963 mg/L		0.0963 mg/L	22:03:40
2	P 214.914†	8722.0	6515.7	4.148 mg/L		4.148 mg/L	22:03:40
2	Pb 220.353†	20671.2	16196.4	1.376 mg/L		1.376 mg/L	22:03:30
2	Sb 206.836†	63.0	12.7	-0.0396 mg/L		-0.0396 mg/L	22:03:40
2	Se 196.026†	-24.2	-19.1	0.0276 mg/L		0.0276 mg/L	22:03:40

2	Sn 189.927†	709.0	554.7	0.4494 mg/L	0.4494 mg/L	22:03:40
2	Ti 337.279†	2960646.3	2328525.9	3.293 mg/L	3.293 mg/L	22:03:28
2	Tl 190.801†	-0.5	-2.4	-0.0753 mg/L	-0.0753 mg/L	22:03:40
2	V 292.402†	85023.7	67540.4	0.3977 mg/L	0.3977 mg/L	22:03:30
2	Zn 213.857†	68968.3	53431.2	0.5709 mg/L	0.5709 mg/L	22:03:30

Mean Data: 1210126-04

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3159006.5	1.28 mg/L	0.005			0.40%
Ag 328.068†	16634.9	0.1487 mg/L	0.00081	0.1487 mg/L	0.00081	0.55%
Al 237.313†	476121.8	61.46 mg/L	0.079	61.46 mg/L	0.079	0.13%
As 188.979†	43.7	0.1025 mg/L	0.00131	0.1025 mg/L	0.00131	1.28%
B 182.528†	8.0	0.0209 mg/L	0.00153	0.0209 mg/L	0.00153	7.35%
B 249.677†	-4.3	0.0000 mg/L	0.00558	0.0000 mg/L	0.00558	>999.9%
Ba 233.527†	19228.4	0.2640 mg/L	0.00123	0.2640 mg/L	0.00123	0.47%
Be 313.107†	6081.7	0.0035 mg/L	0.00003	0.0035 mg/L	0.00003	0.80%
Ca 315.887†	677155.8	6.366 mg/L	0.0033	6.366 mg/L	0.0033	0.05%
Cd 228.802†	76.3	0.0024 mg/L	0.00007	0.0024 mg/L	0.00007	3.02%
Co 228.616†	2085.2	0.0432 mg/L	0.00048	0.0432 mg/L	0.00048	1.10%
Cr 267.716†	8651.6	0.0921 mg/L	0.00086	0.0921 mg/L	0.00086	0.93%
Cu 324.752†	190828.3	1.074 mg/L	0.0060	1.074 mg/L	0.0060	0.55%
Fe 234.349†	130557.5	111.9 mg/L	0.25	111.9 mg/L	0.25	0.22%
Fe 238.204†	10940862.9	92.46 mg/L	0.028	92.46 mg/L	0.028	0.03%
K 766.490†	10378.0	5.779 mg/L	0.0246	5.779 mg/L	0.0246	0.43%
Li 670.784†	2496.6	0.0777 mg/L	0.00098	0.0777 mg/L	0.00098	1.26%
Mg 279.077†	154413.0	13.59 mg/L	0.103	13.59 mg/L	0.103	0.76%
Mn 257.610†	935371.1	1.651 mg/L	0.0012	1.651 mg/L	0.0012	0.07%
Mo 202.031†	125.1	-0.0292 mg/L	0.00049	-0.0292 mg/L	0.00049	1.67%
Na 589.592†	2382.5	0.4910 mg/L	0.00111	0.4910 mg/L	0.00111	0.23%
Ni 231.604†	2804.9	0.0956 mg/L	0.00096	0.0956 mg/L	0.00096	1.00%
P 214.914†	6480.6	4.127 mg/L	0.0289	4.127 mg/L	0.0289	0.70%
Pb 220.353†	16092.0	1.367 mg/L	0.0128	1.367 mg/L	0.0128	0.93%
Sb 206.836†	12.4	-0.0400 mg/L	0.00047	-0.0400 mg/L	0.00047	1.19%
Se 196.026†	-22.7	0.0242 mg/L	0.00480	0.0242 mg/L	0.00480	19.88%
Sn 189.927†	559.2	0.4509 mg/L	0.00216	0.4509 mg/L	0.00216	0.48%
Sr 407.771†	38848.1	0.0412 mg/L	0.00008	0.0412 mg/L	0.00008	0.19%
Ti 337.279†	2330579.6	3.296 mg/L	0.0041	3.296 mg/L	0.0041	0.12%
Tl 190.801†	0.2	-0.0735 mg/L	0.00249	-0.0735 mg/L	0.00249	3.39%
V 292.402†	67224.4	0.3957 mg/L	0.00286	0.3957 mg/L	0.00286	0.72%
Zn 213.857†	53174.6	0.5681 mg/L	0.00389	0.5681 mg/L	0.00389	0.68%

Sequence No.: 90
Sample ID: 1210126-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 82
Date Collected: 10/6/2012 10:05:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.2	-1.6	0.0016 mg/L	0.0016 mg/L	22:07:12
1	Fe 234.349†	127046.6	99927.4	85.67 mg/L	85.67 mg/L	22:07:02
1	K 766.490†	14017.9	10856.3	6.036 mg/L	6.036 mg/L	22:07:12
1	Li 670.784†	2093.2	1821.7	0.0569 mg/L	0.0569 mg/L	22:07:12
1	Na 589.592†	2785.5	2040.2	0.4350 mg/L	0.4350 mg/L	22:07:12
1	Sr 407.771†	36433.3	28523.7	0.0304 mg/L	0.0304 mg/L	22:07:02
1	Y 371.029	3149419.9	3149419.9	1.27 mg/L		22:07:32
1	Ag 328.068†	12181.7	8196.7	0.0748 mg/L	0.0748 mg/L	22:07:35
1	Al 237.313†	518018.6	407547.1	52.61 mg/L	52.61 mg/L	22:07:32
1	As 188.979†	39.7	28.2	0.0724 mg/L	0.0724 mg/L	22:07:45
1	B 182.528†	7.8	3.5	0.0121 mg/L	0.0121 mg/L	22:07:45
1	Ba 233.527†	17025.0	13444.5	0.1840 mg/L	0.1840 mg/L	22:07:35
1	Be 313.107†	4989.4	4440.0	0.0025 mg/L	0.0025 mg/L	22:07:35
1	Ca 315.887†	741079.9	582704.6	5.475 mg/L	5.475 mg/L	22:07:32
1	Cd 228.802†	145.9	52.0	0.0016 mg/L	0.0016 mg/L	22:07:45
1	Co 228.616†	1701.8	1403.4	0.0268 mg/L	0.0268 mg/L	22:07:45
1	Cr 267.716†	6575.7	4763.4	0.0493 mg/L	0.0493 mg/L	22:07:35
1	Cu 324.752†	160927.8	125335.9	0.7047 mg/L	0.7047 mg/L	22:07:32
1	Fe 238.204†	11209231.2	8815858.1	74.50 mg/L	74.50 mg/L	22:07:29

1	Mg	279.077†	160031.4	125729.2	11.06	mg/L	11.06	mg/L	22:07:32
1	Mn	257.610†	1217165.7	956127.6	1.688	mg/L	1.688	mg/L	22:07:32
1	Mo	202.031†	123.0	69.6	-0.0237	mg/L	-0.0237	mg/L	22:07:35
1	Ni	231.604†	2124.9	1690.0	0.0561	mg/L	0.0561	mg/L	22:07:35
1	P	214.914†	6160.8	4502.8	2.896	mg/L	2.896	mg/L	22:07:45
1	Pb	220.353†	8838.0	6892.9	0.5755	mg/L	0.5755	mg/L	22:07:35
1	Sb	206.836†	65.0	14.3	-0.0270	mg/L	-0.0270	mg/L	22:07:45
1	Se	196.026†	-24.4	-19.3	0.0163	mg/L	0.0163	mg/L	22:07:45
1	Sn	189.927†	185.0	142.6	0.2800	mg/L	0.2800	mg/L	22:07:45
1	Ti	337.279†	2601743.3	2046719.7	2.894	mg/L	2.894	mg/L	22:07:32
1	Tl	190.801†	6.6	3.2	-0.0555	mg/L	-0.0555	mg/L	22:07:45
1	V	292.402†	46515.5	37267.3	0.2131	mg/L	0.2131	mg/L	22:07:35
1	Zn	213.857†	50435.5	38866.2	0.4152	mg/L	0.4152	mg/L	22:07:35
2	B	249.677†	2.8	-1.9	0.0014	mg/L	0.0014	mg/L	22:07:25
2	Fe	234.349†	125009.0	99419.2	85.23	mg/L	85.23	mg/L	22:07:15
2	K	766.490†	13994.3	10960.3	6.092	mg/L	6.092	mg/L	22:07:25
2	Li	670.784†	2015.6	1778.4	0.0555	mg/L	0.0555	mg/L	22:07:25
2	Na	589.592†	2777.3	2058.1	0.4379	mg/L	0.4379	mg/L	22:07:25
2	Sr	407.771†	35896.9	28416.0	0.0303	mg/L	0.0303	mg/L	22:07:15
2	Y	371.029	3114749.3	3114749.3	1.26	mg/L	1.26	mg/L	22:07:50
2	Ag	328.068†	11932.9	8105.5	0.0740	mg/L	0.0740	mg/L	22:07:53
2	Al	237.313†	516569.1	410929.4	53.04	mg/L	53.04	mg/L	22:07:50
2	As	188.979†	40.3	29.1	0.0733	mg/L	0.0733	mg/L	22:08:03
2	B	182.528†	11.3	6.4	0.0178	mg/L	0.0178	mg/L	22:08:03
2	Ba	233.527†	16584.1	13242.9	0.1812	mg/L	0.1812	mg/L	22:07:53
2	Be	313.107†	4923.2	4431.0	0.0025	mg/L	0.0025	mg/L	22:07:53
2	Ca	315.887†	739599.6	588015.2	5.525	mg/L	5.525	mg/L	22:07:50
2	Cd	228.802†	140.1	48.6	0.0015	mg/L	0.0015	mg/L	22:08:03
2	Co	228.616†	1705.2	1420.9	0.0272	mg/L	0.0272	mg/L	22:08:03
2	Cr	267.716†	6483.4	4747.6	0.0491	mg/L	0.0491	mg/L	22:07:53
2	Cu	324.752†	160330.2	126269.5	0.7100	mg/L	0.7100	mg/L	22:07:50
2	Fe	238.204†	11172627.7	8884881.1	75.08	mg/L	75.08	mg/L	22:07:47
2	Mg	279.077†	159071.3	126366.6	11.11	mg/L	11.11	mg/L	22:07:50
2	Mn	257.610†	1213903.6	964189.2	1.702	mg/L	1.702	mg/L	22:07:50
2	Mo	202.031†	181.4	117.1	-0.0210	mg/L	-0.0210	mg/L	22:07:53
2	Ni	231.604†	2108.7	1695.7	0.0563	mg/L	0.0563	mg/L	22:07:53
2	P	214.914†	6206.4	4593.0	2.948	mg/L	2.948	mg/L	22:08:03
2	Pb	220.353†	8663.3	6831.4	0.5701	mg/L	0.5701	mg/L	22:07:53
2	Sb	206.836†	69.2	18.3	-0.0234	mg/L	-0.0234	mg/L	22:08:03
2	Se	196.026†	-11.7	-9.4	0.0257	mg/L	0.0257	mg/L	22:08:03
2	Sn	189.927†	183.4	143.0	0.2788	mg/L	0.2788	mg/L	22:08:03
2	Ti	337.279†	2593531.2	2062966.2	2.917	mg/L	2.917	mg/L	22:07:50
2	Tl	190.801†	2.5	-0.0	-0.0576	mg/L	-0.0576	mg/L	22:08:03
2	V	292.402†	45707.4	37031.9	0.2117	mg/L	0.2117	mg/L	22:07:53
2	Zn	213.857†	49427.9	38506.4	0.4113	mg/L	0.4113	mg/L	22:07:53

Mean Data: 1210126-05

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3132084.6	1.26	mg/L	0.010				0.78%
Ag 328.068†	8151.1	0.0744	mg/L	0.00057	0.0744	mg/L	0.00057	0.77%
Al 237.313†	409238.2	52.83	mg/L	0.309	52.83	mg/L	0.309	0.58%
As 188.979†	28.6	0.0729	mg/L	0.00065	0.0729	mg/L	0.00065	0.89%
B 182.528†	4.9	0.0149	mg/L	0.00400	0.0149	mg/L	0.00400	26.79%
B 249.677†	-1.8	0.0015	mg/L	0.00011	0.0015	mg/L	0.00011	7.09%
Ba 233.527†	13343.7	0.1826	mg/L	0.00197	0.1826	mg/L	0.00197	1.08%
Be 313.107†	4435.5	0.0025	mg/L	0.00000	0.0025	mg/L	0.00000	0.15%
Ca 315.887†	585359.9	5.500	mg/L	0.0354	5.500	mg/L	0.0354	0.64%
Cd 228.802†	50.3	0.0016	mg/L	0.00009	0.0016	mg/L	0.00009	5.57%
Co 228.616†	1412.1	0.0270	mg/L	0.00028	0.0270	mg/L	0.00028	1.04%
Cr 267.716†	4755.5	0.0492	mg/L	0.00012	0.0492	mg/L	0.00012	0.25%
Cu 324.752†	125802.7	0.7074	mg/L	0.00373	0.7074	mg/L	0.00373	0.53%
Fe 234.349†	99673.3	85.45	mg/L	0.308	85.45	mg/L	0.308	0.36%
Fe 238.204†	8850369.6	74.79	mg/L	0.413	74.79	mg/L	0.413	0.55%
K 766.490†	10908.3	6.064	mg/L	0.0396	6.064	mg/L	0.0396	0.65%
Li 670.784†	1800.1	0.0562	mg/L	0.00095	0.0562	mg/L	0.00095	1.68%
Mg 279.077†	126047.9	11.08	mg/L	0.040	11.08	mg/L	0.040	0.36%
Mn 257.610†	960158.4	1.695	mg/L	0.0101	1.695	mg/L	0.0101	0.59%
Mo 202.031†	93.4	-0.0223	mg/L	0.00188	-0.0223	mg/L	0.00188	8.43%
Na 589.592†	2049.1	0.4365	mg/L	0.00207	0.4365	mg/L	0.00207	0.47%
Ni 231.604†	1692.9	0.0562	mg/L	0.00015	0.0562	mg/L	0.00015	0.26%
P 214.914†	4547.9	2.922	mg/L	0.0371	2.922	mg/L	0.0371	1.27%

2	Mn 257.610†	752190.2	607858.7	1.072 mg/L	1.072 mg/L	22:11:58
2	Mo 202.031†	196.0	131.6	-0.0378 mg/L	-0.0378 mg/L	22:12:01
2	Ni 231.604†	2917.1	2380.7	0.0806 mg/L	0.0806 mg/L	22:12:11
2	P 214.914†	7689.4	5883.2	3.863 mg/L	3.863 mg/L	22:12:11
2	Pb 220.353†	3224.0	2552.2	0.1795 mg/L	0.1795 mg/L	22:12:11
2	Sb 206.836†	73.2	22.5	-0.0455 mg/L	-0.0455 mg/L	22:12:11
2	Se 196.026†	-38.0	-30.9	0.0295 mg/L	0.0295 mg/L	22:12:11
2	Sn 189.927†	45.3	33.8	0.4229 mg/L	0.4229 mg/L	22:12:11
2	Ti 337.279†	5130999.2	4154882.9	5.877 mg/L	5.877 mg/L	22:11:58
2	Tl 190.801†	7.1	3.7	-0.0919 mg/L	-0.0919 mg/L	22:12:11
2	V 292.402†	45341.1	37394.5	0.2009 mg/L	0.2009 mg/L	22:12:01
2	Zn 213.857†	30952.9	24260.6	0.2591 mg/L	0.2591 mg/L	22:12:01

Mean Data: 1210126-06

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3054387.6	1.23 mg/L		0.003			0.23%
Ag 328.068†	-357.6	0.0064 mg/L		0.00004	0.0064 mg/L	0.00004	0.59%
Al 237.313†	1030928.3	133.1 mg/L		0.19	133.1 mg/L	0.19	0.15%
As 188.979†	46.9	0.1194 mg/L		0.00457	0.1194 mg/L	0.00457	3.83%
B 182.528†	11.7	0.0281 mg/L		0.00669	0.0281 mg/L	0.00669	23.81%
B 249.677†	-6.1	-0.0010 mg/L		0.00102	-0.0010 mg/L	0.00102	100.12%
Ba 233.527†	19277.6	0.2647 mg/L		0.00161	0.2647 mg/L	0.00161	0.61%
Be 313.107†	7739.6	0.0045 mg/L		0.00001	0.0045 mg/L	0.00001	0.27%
Ca 315.887†	433924.2	4.073 mg/L		0.0151	4.073 mg/L	0.0151	0.37%
Cd 228.802†	42.1	0.0012 mg/L		0.00024	0.0012 mg/L	0.00024	20.11%
Co 228.616†	1841.4	0.0320 mg/L		0.00011	0.0320 mg/L	0.00011	0.36%
Cr 267.716†	9318.0	0.0994 mg/L		0.00032	0.0994 mg/L	0.00032	0.32%
Cu 324.752†	18516.8	0.1056 mg/L		0.00025	0.1056 mg/L	0.00025	0.23%
Fe 234.349†	165724.9	142.1 mg/L		1.29	142.1 mg/L	1.29	0.91%
Fe 238.204†	13486560.8	114.0 mg/L		0.25	114.0 mg/L	0.25	0.22%
K 766.490†	6430.5	3.656 mg/L		0.0342	3.656 mg/L	0.0342	0.94%
Li 670.784†	3107.0	0.0966 mg/L		0.00090	0.0966 mg/L	0.00090	0.93%
Mg 279.077†	184694.5	16.26 mg/L		0.009	16.26 mg/L	0.009	0.05%
Mn 257.610†	608864.7	1.074 mg/L		0.0025	1.074 mg/L	0.0025	0.23%
Mo 202.031†	134.8	-0.0373 mg/L		0.00065	-0.0373 mg/L	0.00065	1.74%
Na 589.592†	2732.6	0.5483 mg/L		0.00260	0.5483 mg/L	0.00260	0.47%
Ni 231.604†	2379.8	0.0806 mg/L		0.00004	0.0806 mg/L	0.00004	0.05%
P 214.914†	5880.0	3.859 mg/L		0.0057	3.859 mg/L	0.0057	0.15%
Pb 220.353†	2541.0	0.1784 mg/L		0.00142	0.1784 mg/L	0.00142	0.80%
Sb 206.836†	24.0	-0.0438 mg/L		0.00241	-0.0438 mg/L	0.00241	5.51%
Se 196.026†	-31.7	0.0283 mg/L		0.00172	0.0283 mg/L	0.00172	6.07%
Sn 189.927†	34.0	0.4203 mg/L		0.00371	0.4203 mg/L	0.00371	0.88%
Sr 407.771†	31774.1	0.0338 mg/L		0.00034	0.0338 mg/L	0.00034	1.01%
Ti 337.279†	4158641.4	5.883 mg/L		0.0075	5.883 mg/L	0.0075	0.13%
Tl 190.801†	3.9	-0.0912 mg/L		0.00092	-0.0912 mg/L	0.00092	1.01%
V 292.402†	37425.2	0.2012 mg/L		0.00051	0.2012 mg/L	0.00051	0.25%
Zn 213.857†	24241.2	0.2589 mg/L		0.00029	0.2589 mg/L	0.00029	0.11%

Sequence No.: 92

Sample ID: 1210126-07

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 84

Date Collected: 10/6/2012 10:13:50 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-2.4	-6.1	-0.0010 mg/L	-0.0010 mg/L	22:15:40
1	Fe 234.349†	127965.7	101337.3	86.88 mg/L	86.88 mg/L	22:15:30
1	K 766.490†	12720.9	9904.5	5.525 mg/L	5.525 mg/L	22:15:40
1	Li 670.784†	2669.9	2289.7	0.0713 mg/L	0.0713 mg/L	22:15:40
1	Na 589.592†	2960.7	2193.9	0.4602 mg/L	0.4602 mg/L	22:15:40
1	Sr 407.771†	26486.5	20842.8	0.0223 mg/L	0.0223 mg/L	22:15:30
1	Y 371.029	3128066.9	3128066.9	1.26 mg/L		22:16:00
1	Ag 328.068†	710.7	-821.5	-0.0018 mg/L	-0.0018 mg/L	22:16:02
1	Al 237.313†	702576.0	556472.7	71.83 mg/L	71.83 mg/L	22:16:00
1	As 188.979†	38.5	27.5	0.0721 mg/L	0.0721 mg/L	22:16:13
1	B 182.528†	12.0	6.9	0.0188 mg/L	0.0188 mg/L	22:16:13
1	Ba 233.527†	18705.3	14866.5	0.2037 mg/L	0.2037 mg/L	22:16:02

1	Be	313.107†	6324.7	5524.2	0.0031	mg/L	0.0031	mg/L	22:16:02
1	Ca	315.887†	501805.6	397210.4	3.727	mg/L	3.727	mg/L	22:16:00
1	Cd	228.802†	118.7	31.1	0.0009	mg/L	0.0009	mg/L	22:16:13
1	Co	228.616†	1905.1	1573.4	0.0294	mg/L	0.0294	mg/L	22:16:13
1	Cr	267.716†	9186.2	6865.8	0.0724	mg/L	0.0724	mg/L	22:16:02
1	Cu	324.752†	16780.4	12054.6	0.0675	mg/L	0.0675	mg/L	22:16:02
1	Fe	238.204†	11998542.5	9501066.5	80.29	mg/L	80.29	mg/L	22:15:57
1	Mg	279.077†	225334.8	178299.8	15.69	mg/L	15.69	mg/L	22:16:00
1	Mn	257.610†	970111.3	767028.8	1.353	mg/L	1.353	mg/L	22:16:00
1	Mo	202.031†	60.9	21.1	-0.0262	mg/L	-0.0262	mg/L	22:16:02
1	Ni	231.604†	2405.8	1923.9	0.0644	mg/L	0.0644	mg/L	22:16:02
1	P	214.914†	4463.3	3191.6	2.130	mg/L	2.130	mg/L	22:16:13
1	Pb	220.353†	1350.5	1011.3	0.0634	mg/L	0.0634	mg/L	22:16:13
1	Sb	206.836†	55.7	7.3	-0.0335	mg/L	-0.0335	mg/L	22:16:13
1	Se	196.026†	-19.4	-15.5	0.0205	mg/L	0.0205	mg/L	22:16:13
1	Sn	189.927†	-10.2	-10.9	0.2488	mg/L	0.2488	mg/L	22:16:13
1	Ti	337.279†	3362769.4	2663317.8	3.767	mg/L	3.767	mg/L	22:16:00
1	Tl	190.801†	7.5	3.9	-0.0567	mg/L	-0.0567	mg/L	22:16:13
1	V	292.402†	26178.5	21412.9	0.1129	mg/L	0.1129	mg/L	22:16:02
1	Zn	213.857†	25680.8	19534.6	0.2085	mg/L	0.2085	mg/L	22:16:02
2	B	249.677†	-8.4	-10.8	-0.0038	mg/L	-0.0038	mg/L	22:15:53
2	Fe	234.349†	132479.1	104921.4	89.95	mg/L	89.95	mg/L	22:15:42
2	K	766.490†	12733.9	9915.8	5.531	mg/L	5.531	mg/L	22:15:53
2	Li	670.784†	2708.8	2320.6	0.0723	mg/L	0.0723	mg/L	22:15:53
2	Na	589.592†	2998.5	2224.1	0.4651	mg/L	0.4651	mg/L	22:15:53
2	Sr	407.771†	27268.5	21464.1	0.0230	mg/L	0.0230	mg/L	22:15:42
2	Y	371.029	3127765.7	3127765.7	1.26	mg/L	1.26	mg/L	22:16:18
2	Ag	328.068†	636.6	-880.1	-0.0021	mg/L	-0.0021	mg/L	22:16:20
2	Al	237.313†	701731.4	555857.4	71.75	mg/L	71.75	mg/L	22:16:18
2	As	188.979†	34.5	24.4	0.0696	mg/L	0.0696	mg/L	22:16:31
2	B	182.528†	9.9	5.2	0.0155	mg/L	0.0155	mg/L	22:16:31
2	Ba	233.527†	18896.7	15019.5	0.2059	mg/L	0.2059	mg/L	22:16:20
2	Be	313.107†	6290.1	5497.3	0.0031	mg/L	0.0031	mg/L	22:16:20
2	Ca	315.887†	500571.8	396271.6	3.718	mg/L	3.718	mg/L	22:16:18
2	Cd	228.802†	127.2	37.9	0.0012	mg/L	0.0012	mg/L	22:16:31
2	Co	228.616†	1881.8	1555.2	0.0289	mg/L	0.0289	mg/L	22:16:31
2	Cr	267.716†	9252.1	6918.7	0.0730	mg/L	0.0730	mg/L	22:16:20
2	Cu	324.752†	16947.2	12188.0	0.0683	mg/L	0.0683	mg/L	22:16:20
2	Fe	238.204†	12030635.4	9527397.1	80.51	mg/L	80.51	mg/L	22:16:15
2	Mg	279.077†	224434.6	177604.0	15.63	mg/L	15.63	mg/L	22:16:18
2	Mn	257.610†	968819.5	766079.7	1.352	mg/L	1.352	mg/L	22:16:18
2	Mo	202.031†	145.9	88.4	-0.0236	mg/L	-0.0236	mg/L	22:16:20
2	Ni	231.604†	2402.5	1921.4	0.0643	mg/L	0.0643	mg/L	22:16:20
2	P	214.914†	4445.3	3177.7	2.129	mg/L	2.129	mg/L	22:16:31
2	Pb	220.353†	1348.2	1009.5	0.0632	mg/L	0.0632	mg/L	22:16:31
2	Sb	206.836†	57.4	8.7	-0.0337	mg/L	-0.0337	mg/L	22:16:31
2	Se	196.026†	-28.7	-22.8	0.0147	mg/L	0.0147	mg/L	22:16:31
2	Sn	189.927†	0.9	-2.2	0.2598	mg/L	0.2598	mg/L	22:16:31
2	Ti	337.279†	3357315.1	2659254.7	3.761	mg/L	3.761	mg/L	22:16:18
2	Tl	190.801†	-5.2	-6.1	-0.0655	mg/L	-0.0655	mg/L	22:16:31
2	V	292.402†	26309.6	21518.7	0.1130	mg/L	0.1130	mg/L	22:16:20
2	Zn	213.857†	25807.9	19637.2	0.2096	mg/L	0.2096	mg/L	22:16:20

Mean Data: 1210126-07

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3127916.3	1.26	mg/L	0.000				0.01%
Ag 328.068†	-850.8	-0.0019	mg/L	0.00019	-0.0019	mg/L	0.00019	9.59%
Al 237.313†	556165.0	71.79	mg/L	0.056	71.79	mg/L	0.056	0.08%
As 188.979†	25.9	0.0709	mg/L	0.00183	0.0709	mg/L	0.00183	2.58%
B 182.528†	6.0	0.0171	mg/L	0.00233	0.0171	mg/L	0.00233	13.60%
B 249.677†	-8.5	-0.0024	mg/L	0.00194	-0.0024	mg/L	0.00194	81.24%
Ba 233.527†	14943.0	0.2048	mg/L	0.00150	0.2048	mg/L	0.00150	0.73%
Be 313.107†	5510.7	0.0031	mg/L	0.00001	0.0031	mg/L	0.00001	0.36%
Ca 315.887†	396741.0	3.722	mg/L	0.0063	3.722	mg/L	0.0063	0.17%
Cd 228.802†	34.5	0.0010	mg/L	0.00018	0.0010	mg/L	0.00018	17.54%
Co 228.616†	1564.3	0.0292	mg/L	0.00031	0.0292	mg/L	0.00031	1.08%
Cr 267.716†	6892.3	0.0727	mg/L	0.00041	0.0727	mg/L	0.00041	0.57%
Cu 324.752†	12121.3	0.0679	mg/L	0.00053	0.0679	mg/L	0.00053	0.78%
Fe 234.349†	103129.3	88.42	mg/L	2.172	88.42	mg/L	2.172	2.46%
Fe 238.204†	9514231.8	80.40	mg/L	0.157	80.40	mg/L	0.157	0.20%
K 766.490†	9910.1	5.528	mg/L	0.0043	5.528	mg/L	0.0043	0.08%

Li 670.784†	2305.2	0.0718 mg/L	0.00068	0.0718 mg/L	0.00068	0.94%
Mg 279.077†	177951.9	15.66 mg/L	0.043	15.66 mg/L	0.043	0.28%
Mn 257.610†	766554.2	1.352 mg/L	0.0012	1.352 mg/L	0.0012	0.09%
Mo 202.031†	54.7	-0.0249 mg/L	0.00186	-0.0249 mg/L	0.00186	7.49%
Na 589.592†	2209.0	0.4626 mg/L	0.00349	0.4626 mg/L	0.00349	0.75%
Ni 231.604†	1922.7	0.0644 mg/L	0.00006	0.0644 mg/L	0.00006	0.09%
P 214.914†	3184.7	2.130 mg/L	0.0008	2.130 mg/L	0.0008	0.04%
Pb 220.353†	1010.4	0.0633 mg/L	0.00009	0.0633 mg/L	0.00009	0.15%
Sb 206.836†	8.0	-0.0336 mg/L	0.00017	-0.0336 mg/L	0.00017	0.50%
Se 196.026†	-19.1	0.0176 mg/L	0.00411	0.0176 mg/L	0.00411	23.32%
Sn 189.927†	-6.6	0.2543 mg/L	0.00775	0.2543 mg/L	0.00775	3.05%
Sr 407.771†	21153.4	0.0226 mg/L	0.00046	0.0226 mg/L	0.00046	2.04%
Ti 337.279†	2661286.2	3.764 mg/L	0.0041	3.764 mg/L	0.0041	0.11%
Tl 190.801†	-1.1	-0.0611 mg/L	0.00617	-0.0611 mg/L	0.00617	10.11%
V 292.402†	21465.8	0.1130 mg/L	0.00008	0.1130 mg/L	0.00008	0.07%
Zn 213.857†	19585.9	0.2090 mg/L	0.00078	0.2090 mg/L	0.00078	0.37%

Sequence No.: 93
Sample ID: 1210126-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 85
Date Collected: 10/6/2012 10:18:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-5.2	-8.5	-0.0025 mg/L	-0.0025 mg/L	-0.0025 mg/L	22:19:53
1	Fe 234.349†	242072.4	203420.8	174.4 mg/L	174.4 mg/L	174.4 mg/L	22:19:51
1	K 766.490†	6003.5	4876.0	2.820 mg/L	2.820 mg/L	2.820 mg/L	22:19:53
1	Li 670.784†	4382.5	3858.1	0.1198 mg/L	0.1198 mg/L	0.1198 mg/L	22:19:53
1	Na 589.592†	3164.4	2508.5	0.5116 mg/L	0.5116 mg/L	0.5116 mg/L	22:19:53
1	Sr 407.771†	34098.5	28522.2	0.0304 mg/L	0.0304 mg/L	0.0304 mg/L	22:19:51
1	Y 371.029	2947741.4	2947741.4	1.19 mg/L	1.19 mg/L	1.19 mg/L	22:20:06
1	Ag 328.068†	330.2	-1106.8	0.0025 mg/L	0.0025 mg/L	0.0025 mg/L	22:20:08
1	Al 237.313†	1927240.9	1619600.4	209.1 mg/L	209.1 mg/L	209.1 mg/L	22:20:06
1	As 188.979†	75.3	60.3	0.1496 mg/L	0.1496 mg/L	0.1496 mg/L	22:20:19
1	B 182.528†	15.6	10.5	0.0258 mg/L	0.0258 mg/L	0.0258 mg/L	22:20:19
1	Ba 233.527†	36482.3	30710.7	0.4229 mg/L	0.4229 mg/L	0.4229 mg/L	22:20:08
1	Be 313.107†	10345.3	9209.1	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	22:20:08
1	Ca 315.887†	405044.1	340209.4	3.191 mg/L	3.191 mg/L	3.191 mg/L	22:20:06
1	Cd 228.802†	140.2	55.0	0.0016 mg/L	0.0016 mg/L	0.0016 mg/L	22:20:19
1	Co 228.616†	2682.1	2318.6	0.0419 mg/L	0.0419 mg/L	0.0419 mg/L	22:20:19
1	Cr 267.716†	16480.9	13440.6	0.1448 mg/L	0.1448 mg/L	0.1448 mg/L	22:20:08
1	Cu 324.752†	13897.3	10444.7	0.0609 mg/L	0.0609 mg/L	0.0609 mg/L	22:20:08
1	Fe 238.204†	20451667.2	17185510.1	145.2 mg/L	145.2 mg/L	145.2 mg/L	22:20:03
1	Mg 279.077†	205577.1	172612.8	15.19 mg/L	15.19 mg/L	15.19 mg/L	22:20:08
1	Mn 257.610†	572368.9	479797.0	0.8455 mg/L	0.8455 mg/L	0.8455 mg/L	22:20:06
1	Mo 202.031†	247.7	181.0	-0.0449 mg/L	-0.0449 mg/L	-0.0449 mg/L	22:20:08
1	Ni 231.604†	3581.5	3028.3	0.1035 mg/L	0.1035 mg/L	0.1035 mg/L	22:20:19
1	P 214.914†	5392.6	4188.7	2.930 mg/L	2.930 mg/L	2.930 mg/L	22:20:19
1	Pb 220.353†	2541.2	2077.3	0.1176 mg/L	0.1176 mg/L	0.1176 mg/L	22:20:19
1	Sb 206.836†	86.9	36.2	-0.0478 mg/L	-0.0478 mg/L	-0.0478 mg/L	22:20:19
1	Se 196.026†	-45.6	-38.4	0.0355 mg/L	0.0355 mg/L	0.0355 mg/L	22:20:19
1	Sn 189.927†	29.5	21.9	0.5120 mg/L	0.5120 mg/L	0.5120 mg/L	22:20:19
1	Ti 337.279†	5818039.4	4889394.9	6.917 mg/L	6.917 mg/L	6.917 mg/L	22:20:06
1	Tl 190.801†	7.7	4.4	-0.1108 mg/L	-0.1108 mg/L	-0.1108 mg/L	22:20:19
1	V 292.402†	53169.9	45362.0	0.2443 mg/L	0.2443 mg/L	0.2443 mg/L	22:20:08
1	Zn 213.857†	30151.6	24535.4	0.2620 mg/L	0.2620 mg/L	0.2620 mg/L	22:20:08
2	B 249.677†	-10.8	-13.0	-0.0051 mg/L	-0.0051 mg/L	-0.0051 mg/L	22:19:57
2	Fe 234.349†	242737.9	198634.9	170.3 mg/L	170.3 mg/L	170.3 mg/L	22:19:55
2	K 766.490†	6105.7	4827.5	2.794 mg/L	2.794 mg/L	2.794 mg/L	22:19:57
2	Li 670.784†	4466.3	3830.2	0.1189 mg/L	0.1189 mg/L	0.1189 mg/L	22:19:57
2	Na 589.592†	3160.0	2435.2	0.4996 mg/L	0.4996 mg/L	0.4996 mg/L	22:19:57
2	Sr 407.771†	34099.4	27772.1	0.0296 mg/L	0.0296 mg/L	0.0296 mg/L	22:19:55
2	Y 371.029	3027064.4	3027064.4	1.22 mg/L	1.22 mg/L	1.22 mg/L	22:20:26
2	Ag 328.068†	348.8	-1098.8	0.0023 mg/L	0.0023 mg/L	0.0023 mg/L	22:20:28
2	Al 237.313†	1926553.0	1576599.9	203.5 mg/L	203.5 mg/L	203.5 mg/L	22:20:26
2	As 188.979†	77.4	60.4	0.1480 mg/L	0.1480 mg/L	0.1480 mg/L	22:20:38
2	B 182.528†	11.3	6.6	0.0183 mg/L	0.0183 mg/L	0.0183 mg/L	22:20:38
2	Ba 233.527†	36754.3	30129.9	0.4149 mg/L	0.4149 mg/L	0.4149 mg/L	22:20:28
2	Be 313.107†	10486.1	9096.5	0.0053 mg/L	0.0053 mg/L	0.0053 mg/L	22:20:28

2	Ca	315.887†	404561.1	330895.1	3.103	mg/L	3.103	mg/L	22:20:26
2	Cd	228.802†	138.7	50.7	0.0014	mg/L	0.0014	mg/L	22:20:38
2	Co	228.616†	2704.1	2277.6	0.0413	mg/L	0.0413	mg/L	22:20:38
2	Cr	267.716†	16715.6	13269.8	0.1429	mg/L	0.1429	mg/L	22:20:28
2	Cu	324.752†	14126.1	10325.9	0.0601	mg/L	0.0601	mg/L	22:20:28
2	Fe	238.204†	20105611.0	16451993.9	139.0	mg/L	139.0	mg/L	22:20:22
2	Mg	279.077†	208257.1	170279.1	14.98	mg/L	14.98	mg/L	22:20:28
2	Mn	257.610†	571345.2	466355.9	0.8217	mg/L	0.8217	mg/L	22:20:26
2	Mo	202.031†	283.9	205.2	-0.0423	mg/L	-0.0423	mg/L	22:20:28
2	Ni	231.604†	3610.3	2973.1	0.1016	mg/L	0.1016	mg/L	22:20:38
2	P	214.914†	5434.1	4104.0	2.870	mg/L	2.870	mg/L	22:20:38
2	Pb	220.353†	2493.5	1982.3	0.1109	mg/L	0.1109	mg/L	22:20:38
2	Sb	206.836†	88.5	35.6	-0.0465	mg/L	-0.0465	mg/L	22:20:38
2	Se	196.026†	-47.5	-38.9	0.0333	mg/L	0.0333	mg/L	22:20:38
2	Sn	189.927†	42.8	32.2	0.5023	mg/L	0.5023	mg/L	22:20:38
2	Ti	337.279†	5808131.1	4753174.5	6.724	mg/L	6.724	mg/L	22:20:26
2	Tl	190.801†	2.7	0.2	-0.1111	mg/L	-0.1111	mg/L	22:20:38
2	V	292.402†	53989.2	44861.7	0.2421	mg/L	0.2421	mg/L	22:20:28
2	Zn	213.857†	30576.0	24218.8	0.2586	mg/L	0.2586	mg/L	22:20:28

Mean Data: 1210126-08

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2987402.9	1.21	mg/L	0.023				1.88%
Ag 328.068†	-1102.8	0.0024	mg/L	0.00018	0.0024	mg/L	0.00018	7.29%
Al 237.313†	1598100.1	206.3	mg/L	3.93	206.3	mg/L	3.93	1.90%
As 188.979†	60.3	0.1488	mg/L	0.00115	0.1488	mg/L	0.00115	0.77%
B 182.528†	8.5	0.0220	mg/L	0.00529	0.0220	mg/L	0.00529	24.03%
B 249.677†	-10.7	-0.0038	mg/L	0.00185	-0.0038	mg/L	0.00185	49.16%
Ba 233.527†	30420.3	0.4189	mg/L	0.00568	0.4189	mg/L	0.00568	1.36%
Be 313.107†	9152.8	0.0053	mg/L	0.00005	0.0053	mg/L	0.00005	0.90%
Ca 315.887†	335552.3	3.147	mg/L	0.0621	3.147	mg/L	0.0621	1.97%
Cd 228.802†	52.8	0.0015	mg/L	0.00011	0.0015	mg/L	0.00011	7.26%
Co 228.616†	2298.1	0.0416	mg/L	0.00046	0.0416	mg/L	0.00046	1.11%
Cr 267.716†	13355.2	0.1439	mg/L	0.00133	0.1439	mg/L	0.00133	0.92%
Cu 324.752†	10385.3	0.0605	mg/L	0.00058	0.0605	mg/L	0.00058	0.96%
Fe 234.349†	201027.8	172.3	mg/L	2.90	172.3	mg/L	2.90	1.68%
Fe 238.204†	16818752.0	142.1	mg/L	4.38	142.1	mg/L	4.38	3.08%
K 766.490†	4851.7	2.807	mg/L	0.0185	2.807	mg/L	0.0185	0.66%
Li 670.784†	3844.2	0.1193	mg/L	0.00061	0.1193	mg/L	0.00061	0.51%
Mg 279.077†	171445.9	15.09	mg/L	0.146	15.09	mg/L	0.146	0.97%
Mn 257.610†	473076.4	0.8336	mg/L	0.01680	0.8336	mg/L	0.01680	2.02%
Mo 202.031†	193.1	-0.0436	mg/L	0.00181	-0.0436	mg/L	0.00181	4.16%
Na 589.592†	2471.8	0.5056	mg/L	0.00848	0.5056	mg/L	0.00848	1.68%
Ni 231.604†	3000.7	0.1026	mg/L	0.00138	0.1026	mg/L	0.00138	1.35%
P 214.914†	4146.4	2.900	mg/L	0.0425	2.900	mg/L	0.0425	1.47%
Pb 220.353†	2029.8	0.1142	mg/L	0.00472	0.1142	mg/L	0.00472	4.13%
Sb 206.836†	35.9	-0.0472	mg/L	0.00091	-0.0472	mg/L	0.00091	1.93%
Se 196.026†	-38.7	0.0344	mg/L	0.00157	0.0344	mg/L	0.00157	4.56%
Sn 189.927†	27.0	0.5072	mg/L	0.00684	0.5072	mg/L	0.00684	1.35%
Sr 407.771†	28147.2	0.0300	mg/L	0.00056	0.0300	mg/L	0.00056	1.86%
Ti 337.279†	4821284.7	6.820	mg/L	0.1363	6.820	mg/L	0.1363	2.00%
Tl 190.801†	2.3	-0.1110	mg/L	0.00022	-0.1110	mg/L	0.00022	0.20%
V 292.402†	45111.9	0.2432	mg/L	0.00156	0.2432	mg/L	0.00156	0.64%
Zn 213.857†	24377.1	0.2603	mg/L	0.00240	0.2603	mg/L	0.00240	0.92%

Sequence No.: 94

Sample ID: 1210126-09

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 86

Date Collected: 10/6/2012 10:22:17 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-4.6	-7.9	-0.0020	mg/L	-0.0020	mg/L	22:24:06
1	Fe 234.349†	116461.3	94423.6	80.95	mg/L	80.95	mg/L	22:23:56
1	K 766.490†	5464.5	4261.5	2.489	mg/L	2.489	mg/L	22:24:06
1	Li 670.784†	2470.5	2178.4	0.0679	mg/L	0.0679	mg/L	22:24:06
1	Na 589.592†	2980.0	2265.4	0.4718	mg/L	0.4718	mg/L	22:24:06

1	Sr 407.771†	23177.0	18659.2	0.0200 mg/L	0.0200 mg/L	22:23:56
1	Y 371.029	3055302.5	3055302.5	1.23 mg/L		22:24:26
1	Ag 328.068†	1086.6	-503.3	0.0005 mg/L	0.0005 mg/L	22:24:28
1	Al 237.313†	847820.3	687475.4	88.75 mg/L	88.75 mg/L	22:24:26
1	As 188.979†	41.8	30.9	0.0740 mg/L	0.0740 mg/L	22:24:39
1	B 182.528†	10.3	5.7	0.0164 mg/L	0.0164 mg/L	22:24:39
1	Ba 233.527†	16747.5	13632.0	0.1867 mg/L	0.1867 mg/L	22:24:28
1	Be 313.107†	6360.4	5672.4	0.0032 mg/L	0.0032 mg/L	22:24:28
1	Ca 315.887†	389577.4	315687.9	2.959 mg/L	2.959 mg/L	22:24:26
1	Cd 228.802†	117.1	32.1	0.0009 mg/L	0.0009 mg/L	22:24:39
1	Co 228.616†	1481.3	1265.8	0.0220 mg/L	0.0220 mg/L	22:24:39
1	Cr 267.716†	7688.6	5825.0	0.0609 mg/L	0.0609 mg/L	22:24:28
1	Cu 324.752†	14482.9	10508.4	0.0587 mg/L	0.0587 mg/L	22:24:28
1	Fe 238.204†	10728978.6	8698079.9	73.50 mg/L	73.50 mg/L	22:24:23
1	Mg 279.077†	168066.5	136120.6	11.97 mg/L	11.97 mg/L	22:24:26
1	Mn 257.610†	500352.3	404479.2	0.7123 mg/L	0.7123 mg/L	22:24:26
1	Mo 202.031†	109.0	61.2	-0.0222 mg/L	-0.0222 mg/L	22:24:28
1	Ni 231.604†	2034.2	1668.0	0.0553 mg/L	0.0553 mg/L	22:24:28
1	P 214.914†	5981.4	4506.5	2.899 mg/L	2.899 mg/L	22:24:39
1	Pb 220.353†	1878.5	1464.8	0.0979 mg/L	0.0979 mg/L	22:24:39
1	Sb 206.836†	62.7	14.0	-0.0252 mg/L	-0.0252 mg/L	22:24:39
1	Se 196.026†	-20.7	-16.9	0.0166 mg/L	0.0166 mg/L	22:24:39
1	Sn 189.927†	-37.4	-33.2	0.2264 mg/L	0.2264 mg/L	22:24:39
1	Ti 337.279†	3146681.1	2551547.9	3.608 mg/L	3.608 mg/L	22:24:26
1	Tl 190.801†	2.0	-0.4	-0.0561 mg/L	-0.0561 mg/L	22:24:39
1	V 292.402†	25675.1	21498.5	0.1146 mg/L	0.1146 mg/L	22:24:28
1	Zn 213.857†	20909.2	16150.4	0.1721 mg/L	0.1721 mg/L	22:24:28
2	B 249.677†	2.1	-2.5	0.0011 mg/L	0.0011 mg/L	22:24:19
2	Fe 234.349†	117765.5	93952.6	80.55 mg/L	80.55 mg/L	22:24:09
2	K 766.490†	5581.0	4283.5	2.501 mg/L	2.501 mg/L	22:24:19
2	Li 670.784†	2492.0	2163.4	0.0674 mg/L	0.0674 mg/L	22:24:19
2	Na 589.592†	3007.8	2248.9	0.4691 mg/L	0.4691 mg/L	22:24:19
2	Sr 407.771†	23307.7	18462.6	0.0198 mg/L	0.0198 mg/L	22:24:09
2	Y 371.029	3105010.4	3105010.4	1.25 mg/L		22:24:44
2	Ag 328.068†	1071.8	-529.2	0.0002 mg/L	0.0002 mg/L	22:24:46
2	Al 237.313†	860428.5	686529.9	88.62 mg/L	88.62 mg/L	22:24:44
2	As 188.979†	45.3	33.1	0.0766 mg/L	0.0766 mg/L	22:24:57
2	B 182.528†	7.5	3.3	0.0118 mg/L	0.0118 mg/L	22:24:57
2	Ba 233.527†	16885.6	13524.8	0.1852 mg/L	0.1852 mg/L	22:24:46
2	Be 313.107†	6433.7	5648.3	0.0032 mg/L	0.0032 mg/L	22:24:46
2	Ca 315.887†	395382.8	315262.9	2.955 mg/L	2.955 mg/L	22:24:44
2	Cd 228.802†	111.0	25.7	0.0007 mg/L	0.0007 mg/L	22:24:57
2	Co 228.616†	1463.2	1232.2	0.0211 mg/L	0.0211 mg/L	22:24:57
2	Cr 267.716†	7770.1	5790.2	0.0606 mg/L	0.0606 mg/L	22:24:46
2	Cu 324.752†	14503.4	10336.8	0.0577 mg/L	0.0577 mg/L	22:24:46
2	Fe 238.204†	10665431.2	8508135.8	71.90 mg/L	71.90 mg/L	22:24:41
2	Mg 279.077†	170845.9	136156.5	11.97 mg/L	11.97 mg/L	22:24:44
2	Mn 257.610†	507729.4	403870.3	0.7112 mg/L	0.7112 mg/L	22:24:44
2	Mo 202.031†	108.9	59.8	-0.0222 mg/L	-0.0222 mg/L	22:24:46
2	Ni 231.604†	2044.1	1649.4	0.0547 mg/L	0.0547 mg/L	22:24:46
2	P 214.914†	5945.9	4400.6	2.835 mg/L	2.835 mg/L	22:24:57
2	Pb 220.353†	1833.7	1404.7	0.0927 mg/L	0.0927 mg/L	22:24:57
2	Sb 206.836†	54.9	7.0	-0.0309 mg/L	-0.0309 mg/L	22:24:57
2	Se 196.026†	-18.6	-14.9	0.0184 mg/L	0.0184 mg/L	22:24:57
2	Sn 189.927†	-15.0	-14.9	0.2294 mg/L	0.2294 mg/L	22:24:57
2	Ti 337.279†	3185612.0	2541764.6	3.595 mg/L	3.595 mg/L	22:24:44
2	Tl 190.801†	8.4	4.7	-0.0523 mg/L	-0.0523 mg/L	22:24:57
2	V 292.402†	25900.3	21344.9	0.1138 mg/L	0.1138 mg/L	22:24:46
2	Zn 213.857†	21082.9	16017.6	0.1707 mg/L	0.1707 mg/L	22:24:46

Mean Data: 1210126-09

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3080156.5	1.24 mg/L	0.014			1.14%
Ag 328.068†	-516.2	0.0003 mg/L	0.00018	0.0003 mg/L	0.00018	54.59%
Al 237.313†	687002.7	88.69 mg/L	0.086	88.69 mg/L	0.086	0.10%
As 188.979†	32.0	0.0753 mg/L	0.00183	0.0753 mg/L	0.00183	2.43%
B 182.528†	4.5	0.0141 mg/L	0.00327	0.0141 mg/L	0.00327	23.16%
B 249.677†	-5.2	-0.0005 mg/L	0.00222	-0.0005 mg/L	0.00222	484.38%
Ba 233.527†	13578.4	0.1859 mg/L	0.00105	0.1859 mg/L	0.00105	0.56%
Be 313.107†	5660.3	0.0032 mg/L	0.00001	0.0032 mg/L	0.00001	0.32%
Ca 315.887†	315475.4	2.957 mg/L	0.0028	2.957 mg/L	0.0028	0.10%

Cd	228.802†	28.9	0.0008 mg/L	0.00017	0.0008 mg/L	0.00017	20.93%
Co	228.616†	1249.0	0.0216 mg/L	0.00058	0.0216 mg/L	0.00058	2.68%
Cr	267.716†	5807.6	0.0608 mg/L	0.00027	0.0608 mg/L	0.00027	0.45%
Cu	324.752†	10422.6	0.0582 mg/L	0.00069	0.0582 mg/L	0.00069	1.19%
Fe	234.349†	94188.1	80.75 mg/L	0.286	80.75 mg/L	0.286	0.35%
Fe	238.204†	8603107.9	72.70 mg/L	1.135	72.70 mg/L	1.135	1.56%
K	766.490†	4272.5	2.495 mg/L	0.0084	2.495 mg/L	0.0084	0.34%
Li	670.784†	2170.9	0.0676 mg/L	0.00033	0.0676 mg/L	0.00033	0.48%
Mg	279.077†	136138.5	11.97 mg/L	0.002	11.97 mg/L	0.002	0.02%
Mn	257.610†	404174.8	0.7118 mg/L	0.00076	0.7118 mg/L	0.00076	0.11%
Mo	202.031†	60.5	-0.0222 mg/L	0.00003	-0.0222 mg/L	0.00003	0.15%
Na	589.592†	2257.1	0.4705 mg/L	0.00191	0.4705 mg/L	0.00191	0.41%
Ni	231.604†	1658.7	0.0550 mg/L	0.00046	0.0550 mg/L	0.00046	0.84%
P	214.914†	4453.6	2.867 mg/L	0.0452	2.867 mg/L	0.0452	1.58%
Pb	220.353†	1434.8	0.0953 mg/L	0.00364	0.0953 mg/L	0.00364	3.82%
Sb	206.836†	10.5	-0.0280 mg/L	0.00405	-0.0280 mg/L	0.00405	14.43%
Se	196.026†	-15.9	0.0175 mg/L	0.00125	0.0175 mg/L	0.00125	7.14%
Sn	189.927†	-24.0	0.2279 mg/L	0.00210	0.2279 mg/L	0.00210	0.92%
Sr	407.771†	18560.9	0.0199 mg/L	0.00015	0.0199 mg/L	0.00015	0.73%
Ti	337.279†	2546656.2	3.602 mg/L	0.0098	3.602 mg/L	0.0098	0.27%
Tl	190.801†	2.2	-0.0542 mg/L	0.00273	-0.0542 mg/L	0.00273	5.03%
V	292.402†	21421.7	0.1142 mg/L	0.00062	0.1142 mg/L	0.00062	0.54%
Zn	213.857†	16084.0	0.1714 mg/L	0.00101	0.1714 mg/L	0.00101	0.59%

Sequence No.: 95

Sample ID: 1210126-10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 87

Date Collected: 10/6/2012 10:26:32 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	5.9	0.7	0.0029 mg/L	0.0029 mg/L	22:28:13
1	Fe 234.349†	218516.9	179229.6	153.6 mg/L	153.6 mg/L	22:28:11
1	K 766.490†	5509.2	4349.8	2.537 mg/L	2.537 mg/L	22:28:13
1	Li 670.784†	3532.5	3072.8	0.0955 mg/L	0.0955 mg/L	22:28:13
1	Na 589.592†	2959.4	2276.6	0.4737 mg/L	0.4737 mg/L	22:28:13
1	Sr 407.771†	31067.3	25349.9	0.0270 mg/L	0.0270 mg/L	22:28:11
1	Y 371.029	3020065.7	3020065.7	1.22 mg/L		22:28:27
1	Ag 328.068†	705.4	-805.6	0.0035 mg/L	0.0035 mg/L	22:28:29
1	Al 237.313†	1420008.8	1164794.3	150.4 mg/L	150.4 mg/L	22:28:27
1	As 188.979†	74.2	57.9	0.1379 mg/L	0.1379 mg/L	22:28:39
1	B 182.528†	17.3	11.5	0.0279 mg/L	0.0279 mg/L	22:28:39
1	Ba 233.527†	25996.7	21376.4	0.2938 mg/L	0.2938 mg/L	22:28:29
1	Be 313.107†	9778.4	8536.0	0.0050 mg/L	0.0050 mg/L	22:28:29
1	Ca 315.887†	373554.6	306231.3	2.870 mg/L	2.870 mg/L	22:28:27
1	Cd 228.802†	149.0	59.3	0.0017 mg/L	0.0017 mg/L	22:28:39
1	Co 228.616†	1861.7	1591.8	0.0249 mg/L	0.0249 mg/L	22:28:39
1	Cr 267.716†	16782.9	13356.7	0.1439 mg/L	0.1439 mg/L	22:28:29
1	Cu 324.752†	16928.4	12651.2	0.0729 mg/L	0.0729 mg/L	22:28:29
1	Fe 238.204†	18427298.5	15113597.1	127.7 mg/L	127.7 mg/L	22:28:23
1	Mg 279.077†	222177.7	182091.4	16.03 mg/L	16.03 mg/L	22:28:29
1	Mn 257.610†	736084.2	602555.4	1.063 mg/L	1.063 mg/L	22:28:27
1	Mo 202.031†	196.9	134.3	-0.0409 mg/L	-0.0409 mg/L	22:28:29
1	Ni 231.604†	3494.2	2884.7	0.0985 mg/L	0.0985 mg/L	22:28:39
1	P 214.914†	8328.5	6488.2	4.249 mg/L	4.249 mg/L	22:28:39
1	Pb 220.353†	3122.2	2502.6	0.1705 mg/L	0.1705 mg/L	22:28:39
1	Sb 206.836†	88.5	35.8	-0.0390 mg/L	-0.0390 mg/L	22:28:39
1	Se 196.026†	-37.3	-30.6	0.0343 mg/L	0.0343 mg/L	22:28:39
1	Sn 189.927†	34.7	25.6	0.4522 mg/L	0.4522 mg/L	22:28:39
1	Ti 337.279†	5424053.8	4449174.9	6.294 mg/L	6.294 mg/L	22:28:27
1	Tl 190.801†	-2.3	-3.9	-0.1039 mg/L	-0.1039 mg/L	22:28:39
1	V 292.402†	51913.6	43261.7	0.2355 mg/L	0.2355 mg/L	22:28:29
1	Zn 213.857†	26884.6	21249.1	0.2267 mg/L	0.2267 mg/L	22:28:29
2	B 249.677†	-11.9	-13.9	-0.0056 mg/L	-0.0056 mg/L	22:28:18
2	Fe 234.349†	220053.6	181018.1	155.2 mg/L	155.2 mg/L	22:28:16
2	K 766.490†	5550.0	4396.6	2.562 mg/L	2.562 mg/L	22:28:18
2	Li 670.784†	3652.6	3180.0	0.0988 mg/L	0.0988 mg/L	22:28:18
2	Na 589.592†	2900.0	2234.9	0.4669 mg/L	0.4669 mg/L	22:28:18
2	Sr 407.771†	31206.1	25538.6	0.0272 mg/L	0.0272 mg/L	22:28:16

2	Y 371.029	3011253.1	3011253.1	1.22 mg/L			22:28:46
2	Ag 328.068†	629.7	-866.2	0.0031 mg/L	0.0031 mg/L		22:28:48
2	Al 237.313†	1416541.6	1165350.8	150.4 mg/L	150.4 mg/L		22:28:46
2	As 188.979†	60.4	46.7	0.1246 mg/L	0.1246 mg/L		22:28:59
2	B 182.528†	19.2	13.1	0.0309 mg/L	0.0309 mg/L		22:28:59
2	Ba 233.527†	25942.8	21394.6	0.2940 mg/L	0.2940 mg/L		22:28:48
2	Be 313.107†	9812.5	8587.5	0.0050 mg/L	0.0050 mg/L		22:28:48
2	Ca 315.887†	373695.9	307244.2	2.880 mg/L	2.880 mg/L		22:28:46
2	Cd 228.802†	136.5	49.5	0.0014 mg/L	0.0014 mg/L		22:28:59
2	Co 228.616†	1842.7	1580.7	0.0246 mg/L	0.0246 mg/L		22:28:59
2	Cr 267.716†	16824.1	13430.9	0.1447 mg/L	0.1447 mg/L		22:28:48
2	Cu 324.752†	17006.1	12755.7	0.0735 mg/L	0.0735 mg/L		22:28:48
2	Fe 238.204†	18424945.4	15155892.7	128.1 mg/L	128.1 mg/L		22:28:43
2	Mg 279.077†	223030.9	183326.5	16.13 mg/L	16.13 mg/L		22:28:48
2	Mn 257.610†	734736.3	603213.5	1.064 mg/L	1.064 mg/L		22:28:46
2	Mo 202.031†	212.3	147.5	-0.0407 mg/L	-0.0407 mg/L		22:28:48
2	Ni 231.604†	3457.1	2862.6	0.0977 mg/L	0.0977 mg/L		22:28:59
2	P 214.914†	8239.1	6434.6	4.221 mg/L	4.221 mg/L		22:28:59
2	Pb 220.353†	3100.4	2492.2	0.1695 mg/L	0.1695 mg/L		22:28:59
2	Sb 206.836†	89.1	36.5	-0.0391 mg/L	-0.0391 mg/L		22:28:59
2	Se 196.026†	-27.4	-22.6	0.0427 mg/L	0.0427 mg/L		22:28:59
2	Sn 189.927†	21.9	15.1	0.4543 mg/L	0.4543 mg/L		22:28:59
2	Ti 337.279†	5408439.2	4449350.0	6.294 mg/L	6.294 mg/L		22:28:46
2	Tl 190.801†	9.0	5.4	-0.0983 mg/L	-0.0983 mg/L		22:28:59
2	V 292.402†	52010.8	43466.3	0.2365 mg/L	0.2365 mg/L		22:28:48
2	Zn 213.857†	27076.9	21471.9	0.2291 mg/L	0.2291 mg/L		22:28:48

Mean Data: 1210126-10

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3015659.4	1.22	mg/L	0.003			0.21%
Ag 328.068†	-835.9	0.0033	mg/L	0.00028	0.0033 mg/L	0.00028	8.51%
Al 237.313†	1165072.5	150.4	mg/L	0.05	150.4 mg/L	0.05	0.03%
As 188.979†	52.3	0.1312	mg/L	0.00945	0.1312 mg/L	0.00945	7.20%
B 182.528†	12.3	0.0294	mg/L	0.00219	0.0294 mg/L	0.00219	7.44%
B 249.677†	-6.6	-0.0013	mg/L	0.00602	-0.0013 mg/L	0.00602	454.31%
Ba 233.527†	21385.5	0.2939	mg/L	0.00018	0.2939 mg/L	0.00018	0.06%
Be 313.107†	8561.7	0.0050	mg/L	0.00002	0.0050 mg/L	0.00002	0.44%
Ca 315.887†	306737.8	2.875	mg/L	0.0068	2.875 mg/L	0.0068	0.23%
Cd 228.802†	54.4	0.0016	mg/L	0.00020	0.0016 mg/L	0.00020	12.82%
Co 228.616†	1586.2	0.0247	mg/L	0.00020	0.0247 mg/L	0.00020	0.80%
Cr 267.716†	13393.8	0.1443	mg/L	0.00058	0.1443 mg/L	0.00058	0.40%
Cu 324.752†	12703.4	0.0732	mg/L	0.00042	0.0732 mg/L	0.00042	0.57%
Fe 234.349†	180123.8	154.4	mg/L	1.08	154.4 mg/L	1.08	0.70%
Fe 238.204†	15134744.9	127.9	mg/L	0.25	127.9 mg/L	0.25	0.20%
K 766.490†	4373.2	2.549	mg/L	0.0178	2.549 mg/L	0.0178	0.70%
Li 670.784†	3126.4	0.0972	mg/L	0.00234	0.0972 mg/L	0.00234	2.41%
Mg 279.077†	182709.0	16.08	mg/L	0.077	16.08 mg/L	0.077	0.48%
Mn 257.610†	602884.4	1.063	mg/L	0.0008	1.063 mg/L	0.0008	0.08%
Mo 202.031†	140.9	-0.0408	mg/L	0.00016	-0.0408 mg/L	0.00016	0.39%
Na 589.592†	2255.8	0.4703	mg/L	0.00482	0.4703 mg/L	0.00482	1.03%
Ni 231.604†	2873.6	0.0981	mg/L	0.00055	0.0981 mg/L	0.00055	0.56%
P 214.914†	6461.4	4.235	mg/L	0.0200	4.235 mg/L	0.0200	0.47%
Pb 220.353†	2497.4	0.1700	mg/L	0.00065	0.1700 mg/L	0.00065	0.39%
Sb 206.836†	36.1	-0.0390	mg/L	0.00003	-0.0390 mg/L	0.00003	0.07%
Se 196.026†	-26.6	0.0385	mg/L	0.00596	0.0385 mg/L	0.00596	15.50%
Sn 189.927†	20.4	0.4533	mg/L	0.00149	0.4533 mg/L	0.00149	0.33%
Sr 407.771†	25444.3	0.0271	mg/L	0.00014	0.0271 mg/L	0.00014	0.52%
Ti 337.279†	4449262.5	6.294	mg/L	0.0002	6.294 mg/L	0.0002	0.00%
Tl 190.801†	0.7	-0.1011	mg/L	0.00397	-0.1011 mg/L	0.00397	3.93%
V 292.402†	43364.0	0.2360	mg/L	0.00071	0.2360 mg/L	0.00071	0.30%
Zn 213.857†	21360.5	0.2279	mg/L	0.00170	0.2279 mg/L	0.00170	0.74%

Sequence No.: 96
Sample ID: 1210126-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 10/6/2012 10:30:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	-11.9	-14.0	-0.0056	mg/L	-0.0056	mg/L	22:32:14
1	Fe 234.349†	176433.9	145084.2	124.4	mg/L	124.4	mg/L	22:32:12
1	K 766.490†	4329.5	3391.4	2.021	mg/L	2.021	mg/L	22:32:14
1	Li 670.784†	2839.4	2510.2	0.0781	mg/L	0.0781	mg/L	22:32:14
1	Na 589.592†	2727.6	2092.3	0.4435	mg/L	0.4435	mg/L	22:32:14
1	Sr 407.771†	26079.1	21313.4	0.0228	mg/L	0.0228	mg/L	22:32:14
1	Y 371.029	3012354.7	3012354.7	1.22	mg/L			22:32:27
1	Ag 328.068†	386.4	-1066.5	-0.0010	mg/L	-0.0010	mg/L	22:32:29
1	Al 237.313†	1353872.1	1113392.5	143.7	mg/L	143.7	mg/L	22:32:27
1	As 188.979†	46.3	35.1	0.0973	mg/L	0.0973	mg/L	22:32:39
1	B 182.528†	7.4	3.4	0.0120	mg/L	0.0120	mg/L	22:32:39
1	Ba 233.527†	28686.9	23643.2	0.3252	mg/L	0.3252	mg/L	22:32:29
1	Be 313.107†	7949.0	7052.1	0.0041	mg/L	0.0041	mg/L	22:32:29
1	Ca 315.887†	265834.8	218439.5	2.043	mg/L	2.043	mg/L	22:32:29
1	Cd 228.802†	126.0	40.7	0.0012	mg/L	0.0012	mg/L	22:32:39
1	Co 228.616†	1394.0	1211.1	0.0182	mg/L	0.0182	mg/L	22:32:39
1	Cr 267.716†	11498.0	9046.2	0.0964	mg/L	0.0964	mg/L	22:32:29
1	Cu 324.752†	7167.0	4660.1	0.0267	mg/L	0.0267	mg/L	22:32:29
1	Fe 238.204†	15351398.8	12623026.9	106.7	mg/L	106.7	mg/L	22:32:24
1	Mg 279.077†	116343.0	95531.9	8.390	mg/L	8.390	mg/L	22:32:29
1	Mn 257.610†	466615.7	382521.6	0.6735	mg/L	0.6735	mg/L	22:32:27
1	Mo 202.031†	234.4	165.6	-0.0301	mg/L	-0.0301	mg/L	22:32:39
1	Ni 231.604†	2624.3	2176.7	0.0734	mg/L	0.0734	mg/L	22:32:39
1	P 214.914†	3732.2	2726.2	1.943	mg/L	1.943	mg/L	22:32:39
1	Pb 220.353†	1782.1	1407.3	0.0778	mg/L	0.0778	mg/L	22:32:39
1	Sb 206.836†	73.0	23.2	-0.0366	mg/L	-0.0366	mg/L	22:32:39
1	Se 196.026†	-25.9	-21.3	0.0308	mg/L	0.0308	mg/L	22:32:39
1	Sn 189.927†	50.6	38.8	0.3696	mg/L	0.3696	mg/L	22:32:39
1	Ti 337.279†	4173216.4	3432021.2	4.854	mg/L	4.854	mg/L	22:32:27
1	Tl 190.801†	7.9	4.5	-0.0792	mg/L	-0.0792	mg/L	22:32:39
1	V 292.402†	40304.3	33824.6	0.1829	mg/L	0.1829	mg/L	22:32:29
1	Zn 213.857†	27910.5	22149.2	0.2366	mg/L	0.2366	mg/L	22:32:29
2	B 249.677†	-16.3	-17.5	-0.0076	mg/L	-0.0076	mg/L	22:32:19
2	Fe 234.349†	178099.3	145527.5	124.8	mg/L	124.8	mg/L	22:32:17
2	K 766.490†	4303.3	3347.5	1.998	mg/L	1.998	mg/L	22:32:19
2	Li 670.784†	2929.6	2569.1	0.0799	mg/L	0.0799	mg/L	22:32:19
2	Na 589.592†	2718.0	2070.3	0.4399	mg/L	0.4399	mg/L	22:32:19
2	Sr 407.771†	26220.5	21293.4	0.0228	mg/L	0.0228	mg/L	22:32:19
2	Y 371.029	3031527.4	3031527.4	1.22	mg/L			22:32:46
2	Ag 328.068†	403.4	-1054.6	-0.0009	mg/L	-0.0009	mg/L	22:32:48
2	Al 237.313†	1355857.3	1107973.9	143.0	mg/L	143.0	mg/L	22:32:46
2	As 188.979†	45.3	34.0	0.0961	mg/L	0.0961	mg/L	22:32:58
2	B 182.528†	11.0	6.3	0.0177	mg/L	0.0177	mg/L	22:32:58
2	Ba 233.527†	28744.9	23541.4	0.3238	mg/L	0.3238	mg/L	22:32:48
2	Be 313.107†	7922.7	6989.3	0.0040	mg/L	0.0040	mg/L	22:32:48
2	Ca 315.887†	266583.3	217668.6	2.036	mg/L	2.036	mg/L	22:32:48
2	Cd 228.802†	120.2	35.4	0.0010	mg/L	0.0010	mg/L	22:32:58
2	Co 228.616†	1355.3	1172.3	0.0172	mg/L	0.0172	mg/L	22:32:58
2	Cr 267.716†	11508.3	8994.9	0.0959	mg/L	0.0959	mg/L	22:32:48
2	Cu 324.752†	7130.4	4592.9	0.0263	mg/L	0.0263	mg/L	22:32:48
2	Fe 238.204†	15486583.3	12653649.2	106.9	mg/L	106.9	mg/L	22:32:43
2	Mg 279.077†	116680.2	95202.4	8.361	mg/L	8.361	mg/L	22:32:48
2	Mn 257.610†	466822.0	380263.6	0.6695	mg/L	0.6695	mg/L	22:32:46
2	Mo 202.031†	223.6	155.6	-0.0308	mg/L	-0.0308	mg/L	22:32:58
2	Ni 231.604†	2629.4	2167.2	0.0730	mg/L	0.0730	mg/L	22:32:58
2	P 214.914†	3722.4	2698.8	1.927	mg/L	1.927	mg/L	22:32:58
2	Pb 220.353†	1725.4	1351.7	0.0732	mg/L	0.0732	mg/L	22:32:58
2	Sb 206.836†	76.8	25.9	-0.0345	mg/L	-0.0345	mg/L	22:32:58
2	Se 196.026†	-32.3	-26.5	0.0260	mg/L	0.0260	mg/L	22:32:58
2	Sn 189.927†	37.5	27.8	0.3683	mg/L	0.3683	mg/L	22:32:58
2	Ti 337.279†	4175700.5	3412348.1	4.827	mg/L	4.827	mg/L	22:32:46
2	Tl 190.801†	1.2	-1.0	-0.0833	mg/L	-0.0833	mg/L	22:32:58
2	V 292.402†	40437.6	33723.9	0.1822	mg/L	0.1822	mg/L	22:32:48
2	Zn 213.857†	28184.2	22227.6	0.2374	mg/L	0.2374	mg/L	22:32:48

Mean Data: 1210126-11

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3021941.1	1.22	mg/L	0.005				0.45%
Ag 328.068†	-1060.5	-0.0009	mg/L	0.00009	-0.0009	mg/L	0.00009	10.03%

Al 237.313†	1110683.2	143.4 mg/L	0.49	143.4 mg/L	0.49	0.34%
As 188.979†	34.6	0.0967 mg/L	0.00088	0.0967 mg/L	0.00088	0.91%
B 182.528†	4.9	0.0148 mg/L	0.00404	0.0148 mg/L	0.00404	27.19%
B 249.677†	-15.7	-0.0066 mg/L	0.00143	-0.0066 mg/L	0.00143	21.65%
Ba 233.527†	23592.3	0.3245 mg/L	0.00100	0.3245 mg/L	0.00100	0.31%
Be 313.107†	7020.7	0.0040 mg/L	0.00003	0.0040 mg/L	0.00003	0.66%
Ca 315.887†	218054.1	2.039 mg/L	0.0051	2.039 mg/L	0.0051	0.25%
Cd 228.802†	38.1	0.0011 mg/L	0.00013	0.0011 mg/L	0.00013	11.63%
Co 228.616†	1191.7	0.0177 mg/L	0.00065	0.0177 mg/L	0.00065	3.68%
Cr 267.716†	9020.6	0.0961 mg/L	0.00040	0.0961 mg/L	0.00040	0.42%
Cu 324.752†	4626.5	0.0265 mg/L	0.00028	0.0265 mg/L	0.00028	1.07%
Fe 234.349†	145305.8	124.6 mg/L	0.27	124.6 mg/L	0.27	0.22%
Fe 238.204†	12638338.0	106.8 mg/L	0.18	106.8 mg/L	0.18	0.17%
K 766.490†	3369.4	2.010 mg/L	0.0167	2.010 mg/L	0.0167	0.83%
Li 670.784†	2539.7	0.0790 mg/L	0.00129	0.0790 mg/L	0.00129	1.63%
Mg 279.077†	95367.1	8.375 mg/L	0.0206	8.375 mg/L	0.0206	0.25%
Mn 257.610†	381392.6	0.6715 mg/L	0.00282	0.6715 mg/L	0.00282	0.42%
Mo 202.031†	160.6	-0.0304 mg/L	0.00046	-0.0304 mg/L	0.00046	1.51%
Na 589.592†	2081.3	0.4417 mg/L	0.00255	0.4417 mg/L	0.00255	0.58%
Ni 231.604†	2172.0	0.0732 mg/L	0.00024	0.0732 mg/L	0.00024	0.33%
P 214.914†	2712.5	1.935 mg/L	0.0109	1.935 mg/L	0.0109	0.56%
Pb 220.353†	1379.5	0.0755 mg/L	0.00326	0.0755 mg/L	0.00326	4.32%
Sb 206.836†	24.6	-0.0356 mg/L	0.00150	-0.0356 mg/L	0.00150	4.22%
Se 196.026†	-23.9	0.0284 mg/L	0.00340	0.0284 mg/L	0.00340	11.96%
Sn 189.927†	33.3	0.3690 mg/L	0.00097	0.3690 mg/L	0.00097	0.26%
Sr 407.771†	21303.4	0.0228 mg/L	0.00001	0.0228 mg/L	0.00001	0.07%
Ti 337.279†	3422184.6	4.840 mg/L	0.0197	4.840 mg/L	0.0197	0.41%
Tl 190.801†	1.7	-0.0813 mg/L	0.00284	-0.0813 mg/L	0.00284	3.50%
V 292.402†	33774.3	0.1825 mg/L	0.00049	0.1825 mg/L	0.00049	0.27%
Zn 213.857†	22188.4	0.2370 mg/L	0.00060	0.2370 mg/L	0.00060	0.25%

Sequence No.: 97

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/6/2012 10:34:35 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	997.0	838.6	0.4898 mg/L	0.4898 mg/L	22:36:19
1	Fe 234.349†	3716.5	3147.3	2.704 mg/L	2.704 mg/L	22:36:19
1	K 766.490†	52548.6	44250.2	24.00 mg/L	24.00 mg/L	22:36:17
1	Li 670.784†	18267.0	15616.4	0.4830 mg/L	0.4830 mg/L	22:36:19
1	Na 589.592†	172523.3	145682.1	23.93 mg/L	23.93 mg/L	22:36:17
1	Sr 407.771†	56192.9	47368.5	0.0501 mg/L	0.0501 mg/L	22:36:17
1	Y 371.029	2930353.7	2930353.7	1.18 mg/L		22:36:28
1	Ag 328.068†	37898.5	30651.1	0.2595 mg/L	0.2595 mg/L	22:36:30
1	Al 237.313†	24215.7	20596.9	2.657 mg/L	2.657 mg/L	22:36:30
1	As 188.979†	515.3	432.6	0.5416 mg/L	0.5416 mg/L	22:36:40
1	B 182.528†	329.8	276.1	0.5442 mg/L	0.5442 mg/L	22:36:40
1	Ba 233.527†	45617.7	38614.7	0.5322 mg/L	0.5322 mg/L	22:36:30
1	Be 313.107†	97685.3	83088.5	0.0495 mg/L	0.0495 mg/L	22:36:30
1	Ca 315.887†	616935.2	521339.0	4.898 mg/L	4.898 mg/L	22:36:28
1	Cd 228.802†	8506.0	7127.3	0.2501 mg/L	0.2501 mg/L	22:36:40
1	Co 228.616†	24537.1	20805.9	0.5190 mg/L	0.5190 mg/L	22:36:30
1	Cr 267.716†	55351.6	46379.9	0.5082 mg/L	0.5082 mg/L	22:36:30
1	Cu 324.752†	109181.5	91057.1	0.5098 mg/L	0.5098 mg/L	22:36:30
1	Fe 238.204†	367477.6	310469.3	2.613 mg/L	2.613 mg/L	22:36:30
1	Mg 279.077†	70129.2	59144.7	5.180 mg/L	5.180 mg/L	22:36:30
1	Mn 257.610†	354481.9	298472.7	0.5250 mg/L	0.5250 mg/L	22:36:30
1	Mo 202.031†	11293.1	9518.9	0.5061 mg/L	0.5061 mg/L	22:36:40
1	Ni 231.604†	18352.5	15532.0	0.5474 mg/L	0.5474 mg/L	22:36:30
1	P 214.914†	10470.6	8508.0	5.083 mg/L	5.083 mg/L	22:36:40
1	Pb 220.353†	6961.7	5826.6	0.4972 mg/L	0.4972 mg/L	22:36:40
1	Sb 206.836†	803.1	642.1	0.5389 mg/L	0.5389 mg/L	22:36:40
1	Se 196.026†	1327.5	1122.0	1.088 mg/L	1.088 mg/L	22:36:40
1	Sn 189.927†	2849.8	2406.1	0.5492 mg/L	0.5492 mg/L	22:36:40
1	Ti 337.279†	411219.2	348059.6	0.4905 mg/L	0.4905 mg/L	22:36:28
1	Tl 190.801†	860.2	725.1	0.4968 mg/L	0.4968 mg/L	22:36:40
1	V 292.402†	95763.9	81631.6	0.5150 mg/L	0.5150 mg/L	22:36:30

1	Zn 213.857†	59209.7	49248.4	0.5245 mg/L	0.5245 mg/L	22:36:30
2	B 249.677†	1012.7	835.8	0.4882 mg/L	0.4882 mg/L	22:36:24
2	Fe 234.349†	3772.7	3135.1	2.694 mg/L	2.694 mg/L	22:36:24
2	K 766.490†	53083.2	43861.7	23.79 mg/L	23.79 mg/L	22:36:22
2	Li 670.784†	18533.0	15547.9	0.4808 mg/L	0.4808 mg/L	22:36:24
2	Na 589.592†	174564.2	144643.7	23.76 mg/L	23.76 mg/L	22:36:22
2	Sr 407.771†	57029.3	47172.6	0.0499 mg/L	0.0499 mg/L	22:36:22
2	Y 371.029	2986282.2	2986282.2	1.21 mg/L		22:36:43
2	Ag 328.068†	38135.8	30248.0	0.2561 mg/L	0.2561 mg/L	22:36:45
2	Al 237.313†	24361.8	20334.7	2.623 mg/L	2.623 mg/L	22:36:45
2	As 188.979†	510.0	420.1	0.5260 mg/L	0.5260 mg/L	22:36:55
2	B 182.528†	336.8	276.7	0.5454 mg/L	0.5454 mg/L	22:36:55
2	Ba 233.527†	45892.5	38120.5	0.5253 mg/L	0.5253 mg/L	22:36:45
2	Be 313.107†	98152.5	81929.5	0.0488 mg/L	0.0488 mg/L	22:36:45
2	Ca 315.887†	631212.8	523414.9	4.917 mg/L	4.917 mg/L	22:36:43
2	Cd 228.802†	8506.8	6993.3	0.2454 mg/L	0.2454 mg/L	22:36:55
2	Co 228.616†	24674.1	20531.1	0.5121 mg/L	0.5121 mg/L	22:36:45
2	Cr 267.716†	55514.8	45639.0	0.5000 mg/L	0.5000 mg/L	22:36:45
2	Cu 324.752†	109979.5	89990.5	0.5038 mg/L	0.5038 mg/L	22:36:45
2	Fe 238.204†	367965.1	305056.1	2.567 mg/L	2.567 mg/L	22:36:45
2	Mg 279.077†	70453.4	58303.5	5.106 mg/L	5.106 mg/L	22:36:45
2	Mn 257.610†	356700.9	294701.4	0.5183 mg/L	0.5183 mg/L	22:36:45
2	Mo 202.031†	11329.5	9370.2	0.4981 mg/L	0.4981 mg/L	22:36:55
2	Ni 231.604†	18486.4	15352.5	0.5411 mg/L	0.5411 mg/L	22:36:45
2	P 214.914†	10489.6	8358.0	4.994 mg/L	4.994 mg/L	22:36:55
2	Pb 220.353†	7014.4	5760.0	0.4915 mg/L	0.4915 mg/L	22:36:55
2	Sb 206.836†	805.8	631.6	0.5300 mg/L	0.5300 mg/L	22:36:55
2	Se 196.026†	1334.8	1107.1	1.073 mg/L	1.073 mg/L	22:36:55
2	Sn 189.927†	2852.6	2363.3	0.5395 mg/L	0.5395 mg/L	22:36:55
2	Ti 337.279†	418728.7	347778.5	0.4901 mg/L	0.4901 mg/L	22:36:43
2	Tl 190.801†	869.0	718.8	0.4923 mg/L	0.4923 mg/L	22:36:55
2	V 292.402†	96464.5	80696.7	0.5091 mg/L	0.5091 mg/L	22:36:45
2	Zn 213.857†	59651.4	48677.4	0.5184 mg/L	0.5184 mg/L	22:36:45

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2958317.9	1.19 mg/L	0.016			1.34%
Ag 328.068†	30449.5	0.2578 mg/L	0.00243	0.2578 mg/L	0.00243	0.94%
QC value within limits for Ag 328.068		Recovery = 103.13%				
Al 237.313†	20465.8	2.640 mg/L	0.0240	2.640 mg/L	0.0240	0.91%
QC value within limits for Al 237.313		Recovery = 105.59%				
As 188.979†	426.3	0.5338 mg/L	0.01104	0.5338 mg/L	0.01104	2.07%
QC value within limits for As 188.979		Recovery = 106.76%				
B 182.528†	276.4	0.5448 mg/L	0.00084	0.5448 mg/L	0.00084	0.15%
QC value within limits for B 182.528		Recovery = 108.95%				
B 249.677†	837.2	0.4890 mg/L	0.00112	0.4890 mg/L	0.00112	0.23%
QC value within limits for B 249.677		Recovery = 97.80%				
Ba 233.527†	38367.6	0.5288 mg/L	0.00483	0.5288 mg/L	0.00483	0.91%
QC value within limits for Ba 233.527		Recovery = 105.75%				
Be 313.107†	82509.0	0.0492 mg/L	0.00049	0.0492 mg/L	0.00049	1.00%
QC value within limits for Be 313.107		Recovery = 98.34%				
Ca 315.887†	522376.9	4.907 mg/L	0.0138	4.907 mg/L	0.0138	0.28%
QC value within limits for Ca 315.887		Recovery = 98.15%				
Cd 228.802†	7060.3	0.2477 mg/L	0.00331	0.2477 mg/L	0.00331	1.34%
QC value within limits for Cd 228.802		Recovery = 99.09%				
Co 228.616†	20668.5	0.5155 mg/L	0.00488	0.5155 mg/L	0.00488	0.95%
QC value within limits for Co 228.616		Recovery = 103.11%				
Cr 267.716†	46009.4	0.5041 mg/L	0.00578	0.5041 mg/L	0.00578	1.15%
QC value within limits for Cr 267.716		Recovery = 100.82%				
Cu 324.752†	90523.8	0.5068 mg/L	0.00425	0.5068 mg/L	0.00425	0.84%
QC value within limits for Cu 324.752		Recovery = 101.36%				
Fe 234.349†	3141.2	2.699 mg/L	0.0074	2.699 mg/L	0.0074	0.27%
QC value within limits for Fe 234.349		Recovery = 107.96%				
Fe 238.204†	307762.7	2.590 mg/L	0.0324	2.590 mg/L	0.0324	1.25%
QC value within limits for Fe 238.204		Recovery = 103.61%				
K 766.490†	44056.0	23.89 mg/L	0.148	23.89 mg/L	0.148	0.62%
QC value within limits for K 766.490		Recovery = 95.57%				
Li 670.784†	15582.1	0.4819 mg/L	0.00150	0.4819 mg/L	0.00150	0.31%
QC value within limits for Li 670.784		Recovery = 96.38%				
Mg 279.077†	58724.1	5.143 mg/L	0.0525	5.143 mg/L	0.0525	1.02%
QC value within limits for Mg 279.077		Recovery = 102.86%				

Mn	257.610†	296587.1	0.5216 mg/L	0.00472	0.5216 mg/L	0.00472	0.90%
	QC value within limits for Mn	257.610	Recovery =	104.33%			
Mo	202.031†	9444.6	0.5021 mg/L	0.00560	0.5021 mg/L	0.00560	1.12%
	QC value within limits for Mo	202.031	Recovery =	100.42%			
Na	589.592†	145162.9	23.85 mg/L	0.120	23.85 mg/L	0.120	0.50%
	QC value within limits for Na	589.592	Recovery =	95.38%			
Ni	231.604†	15442.3	0.5443 mg/L	0.00451	0.5443 mg/L	0.00451	0.83%
	QC value within limits for Ni	231.604	Recovery =	108.85%			
P	214.914†	8433.0	5.039 mg/L	0.0630	5.039 mg/L	0.0630	1.25%
	QC value within limits for P	214.914	Recovery =	100.77%			
Pb	220.353†	5793.3	0.4943 mg/L	0.00404	0.4943 mg/L	0.00404	0.82%
	QC value within limits for Pb	220.353	Recovery =	98.86%			
Sb	206.836†	636.8	0.5345 mg/L	0.00624	0.5345 mg/L	0.00624	1.17%
	QC value within limits for Sb	206.836	Recovery =	106.89%			
Se	196.026†	1114.6	1.080 mg/L	0.0102	1.080 mg/L	0.0102	0.95%
	QC value within limits for Se	196.026	Recovery =	108.05%			
Sn	189.927†	2384.7	0.5444 mg/L	0.00687	0.5444 mg/L	0.00687	1.26%
	QC value within limits for Sn	189.927	Recovery =	108.88%			
Sr	407.771†	47270.6	0.0500 mg/L	0.00015	0.0500 mg/L	0.00015	0.29%
	QC value within limits for Sr	407.771	Recovery =	100.09%			
Ti	337.279†	347919.1	0.4903 mg/L	0.00028	0.4903 mg/L	0.00028	0.06%
	QC value within limits for Ti	337.279	Recovery =	98.05%			
Tl	190.801†	722.0	0.4946 mg/L	0.00312	0.4946 mg/L	0.00312	0.63%
	QC value within limits for Tl	190.801	Recovery =	98.91%			
V	292.402†	81164.1	0.5121 mg/L	0.00421	0.5121 mg/L	0.00421	0.82%
	QC value within limits for V	292.402	Recovery =	102.41%			
Zn	213.857†	48962.9	0.5214 mg/L	0.00431	0.5214 mg/L	0.00431	0.83%
	QC value within limits for Zn	213.857	Recovery =	104.28%			

All analyte(s) passed QC.

Sequence No.: 98

Sample ID: CCB1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 10/6/2012 10:38:34 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	6.9	1.4	0.0034	mg/L	0.0034	mg/L	22:40:31
1	Fe 234.349†	22.8	24.0	0.0391	mg/L	0.0391	mg/L	22:40:31
1	K 766.490†	259.3	39.2	0.2183	mg/L	0.2183	mg/L	22:40:21
1	Li 670.784†	-149.5	55.6	0.0023	mg/L	0.0023	mg/L	22:40:21
1	Na 589.592†	394.2	165.4	0.1283	mg/L	0.1283	mg/L	22:40:21
1	Sr 407.771†	213.6	40.3	0.0005	mg/L	0.0005	mg/L	22:40:21
1	Y 371.029	3089972.5	3089972.5	1.25	mg/L			22:40:55
1	Ag 328.068†	1471.7	-204.4	-0.0033	mg/L	-0.0033	mg/L	22:40:57
1	Al 237.313†	38.7	158.5	0.0127	mg/L	0.0127	mg/L	22:41:07
1	As 188.979†	0.4	-2.7	-0.0017	mg/L	-0.0017	mg/L	22:41:07
1	B 182.528†	-1.1	-3.6	-0.0016	mg/L	-0.0016	mg/L	22:41:07
1	Ba 233.527†	-7.1	48.7	-0.0012	mg/L	-0.0012	mg/L	22:41:07
1	Be 313.107†	-400.5	194.8	0.0000	mg/L	0.0000	mg/L	22:40:57
1	Ca 315.887†	725.2	429.6	-0.0122	mg/L	-0.0122	mg/L	22:40:57
1	Cd 228.802†	91.2	10.3	0.0003	mg/L	0.0003	mg/L	22:41:07
1	Co 228.616†	-33.5	38.0	-0.0018	mg/L	-0.0018	mg/L	22:41:07
1	Cr 267.716†	442.9	-53.3	-0.0038	mg/L	-0.0038	mg/L	22:40:57
1	Cu 324.752†	1648.8	88.5	-0.0028	mg/L	-0.0028	mg/L	22:40:57
1	Fe 238.204†	3166.2	2381.4	0.0084	mg/L	0.0084	mg/L	22:41:07
1	Mg 279.077†	211.2	34.4	-0.0348	mg/L	-0.0348	mg/L	22:40:57
1	Mn 257.610†	843.2	-492.3	-0.0037	mg/L	-0.0037	mg/L	22:41:07
1	Mo 202.031†	41.4	6.1	0.0001	mg/L	0.0001	mg/L	22:41:07
1	Ni 231.604†	12.9	29.1	-0.0027	mg/L	-0.0027	mg/L	22:41:07
1	P 214.914†	359.8	-54.3	-0.0044	mg/L	-0.0044	mg/L	22:41:07
1	Pb 220.353†	67.7	-3.8	-0.0042	mg/L	-0.0042	mg/L	22:41:07
1	Sb 206.836†	35.6	-8.3	-0.0082	mg/L	-0.0082	mg/L	22:41:07
1	Se 196.026†	10.5	8.3	0.0066	mg/L	0.0066	mg/L	22:41:07
1	Sn 189.927†	7.1	2.8	-0.0019	mg/L	-0.0019	mg/L	22:41:07
1	Ti 337.279†	861.6	1149.8	-0.0004	mg/L	-0.0004	mg/L	22:40:57
1	Tl 190.801†	3.5	0.8	-0.0039	mg/L	-0.0039	mg/L	22:41:07
1	V 292.402†	-639.5	170.4	-0.0011	mg/L	-0.0011	mg/L	22:40:57
1	Zn 213.857†	1070.5	57.0	-0.0005	mg/L	-0.0005	mg/L	22:41:07

2	B 249.677†	7.2	1.6	0.0036 mg/L	0.0036 mg/L	22:40:51
2	Fe 234.349†	27.1	27.6	0.0422 mg/L	0.0422 mg/L	22:40:51
2	K 766.490†	203.2	-4.7	0.1947 mg/L	0.1947 mg/L	22:40:41
2	Li 670.784†	-153.8	51.3	0.0022 mg/L	0.0022 mg/L	22:40:41
2	Na 589.592†	418.8	187.5	0.1319 mg/L	0.1319 mg/L	22:40:41
2	Sr 407.771†	208.8	37.6	0.0005 mg/L	0.0005 mg/L	22:40:41
2	Y 371.029	3068789.9	3068789.9	1.24 mg/L		22:41:09
2	Ag 328.068†	1507.1	-167.8	-0.0029 mg/L	-0.0029 mg/L	22:41:12
2	Al 237.313†	44.4	163.3	0.0133 mg/L	0.0133 mg/L	22:41:22
2	As 188.979†	0.3	-2.7	-0.0018 mg/L	-0.0018 mg/L	22:41:22
2	B 182.528†	1.1	-1.8	0.0019 mg/L	0.0019 mg/L	22:41:22
2	Ba 233.527†	-5.3	50.2	-0.0012 mg/L	-0.0012 mg/L	22:41:22
2	Be 313.107†	-450.1	152.6	-0.0001 mg/L	-0.0001 mg/L	22:41:12
2	Ca 315.887†	1033.5	682.4	-0.0098 mg/L	-0.0098 mg/L	22:41:12
2	Cd 228.802†	79.3	1.2	0.0000 mg/L	0.0000 mg/L	22:41:22
2	Co 228.616†	-39.6	32.9	-0.0019 mg/L	-0.0019 mg/L	22:41:22
2	Cr 267.716†	457.6	-39.0	-0.0036 mg/L	-0.0036 mg/L	22:41:12
2	Cu 324.752†	1685.5	127.2	-0.0026 mg/L	-0.0026 mg/L	22:41:12
2	Fe 238.204†	2933.6	2211.2	0.0070 mg/L	0.0070 mg/L	22:41:22
2	Mg 279.077†	257.0	72.6	-0.0314 mg/L	-0.0314 mg/L	22:41:12
2	Mn 257.610†	841.9	-488.7	-0.0037 mg/L	-0.0037 mg/L	22:41:22
2	Mo 202.031†	48.9	12.3	0.0004 mg/L	0.0004 mg/L	22:41:22
2	Ni 231.604†	9.8	26.7	-0.0028 mg/L	-0.0028 mg/L	22:41:22
2	P 214.914†	368.1	-45.6	0.0008 mg/L	0.0008 mg/L	22:41:22
2	Pb 220.353†	49.8	-17.9	-0.0054 mg/L	-0.0054 mg/L	22:41:22
2	Sb 206.836†	39.2	-5.2	-0.0055 mg/L	-0.0055 mg/L	22:41:22
2	Se 196.026†	2.4	1.9	0.0003 mg/L	0.0003 mg/L	22:41:22
2	Sn 189.927†	-1.3	-3.9	-0.0035 mg/L	-0.0035 mg/L	22:41:22
2	Ti 337.279†	777.1	1086.4	-0.0005 mg/L	-0.0005 mg/L	22:41:12
2	Tl 190.801†	4.7	1.8	-0.0032 mg/L	-0.0032 mg/L	22:41:22
2	V 292.402†	-646.1	161.6	-0.0012 mg/L	-0.0012 mg/L	22:41:12
2	Zn 213.857†	1076.8	68.0	-0.0003 mg/L	-0.0003 mg/L	22:41:22

Mean Data: CCBL

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3079381.2	1.24 mg/L	0.006			0.49%
Ag 328.068†	-186.1	-0.0031 mg/L	0.00022	-0.0031 mg/L	0.00022	7.11%
QC value less than the lower limit for Ag 328.068			Recovery = Not calculated			
Al 237.313†	160.9	0.0130 mg/L	0.00044	0.0130 mg/L	0.00044	3.40%
QC value within limits for Al 237.313			Recovery = Not calculated			
As 188.979†	-2.7	-0.0017 mg/L	0.00004	-0.0017 mg/L	0.00004	2.07%
QC value within limits for As 188.979			Recovery = Not calculated			
B 182.528†	-2.7	0.0002 mg/L	0.00249	0.0002 mg/L	0.00249	>999.9%
QC value within limits for B 182.528			Recovery = Not calculated			
B 249.677†	1.5	0.0035 mg/L	0.00010	0.0035 mg/L	0.00010	2.82%
QC value within limits for B 249.677			Recovery = Not calculated			
Ba 233.527†	49.5	-0.0012 mg/L	0.00001	-0.0012 mg/L	0.00001	1.14%
QC value within limits for Ba 233.527			Recovery = Not calculated			
Be 313.107†	173.7	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	30.11%
QC value within limits for Be 313.107			Recovery = Not calculated			
Ca 315.887†	556.0	-0.0110 mg/L	0.00168	-0.0110 mg/L	0.00168	15.31%
QC value within limits for Ca 315.887			Recovery = Not calculated			
Cd 228.802†	5.7	0.0002 mg/L	0.00023	0.0002 mg/L	0.00023	125.74%
QC value within limits for Cd 228.802			Recovery = Not calculated			
Co 228.616†	35.5	-0.0018 mg/L	0.00009	-0.0018 mg/L	0.00009	4.89%
QC value less than the lower limit for Co 228.616			Recovery = Not calculated			
Cr 267.716†	-46.2	-0.0037 mg/L	0.00011	-0.0037 mg/L	0.00011	3.00%
QC value within limits for Cr 267.716			Recovery = Not calculated			
Cu 324.752†	107.9	-0.0027 mg/L	0.00015	-0.0027 mg/L	0.00015	5.68%
QC value within limits for Cu 324.752			Recovery = Not calculated			
Fe 234.349†	25.8	0.0406 mg/L	0.00219	0.0406 mg/L	0.00219	5.38%
QC value greater than the upper limit for Fe 234.349			Recovery = Not calculated			
Fe 238.204†	2296.3	0.0077 mg/L	0.00102	0.0077 mg/L	0.00102	13.22%
QC value within limits for Fe 238.204			Recovery = Not calculated			
K 766.490†	17.2	0.2065 mg/L	0.01668	0.2065 mg/L	0.01668	8.08%
QC value greater than the upper limit for K 766.490			Recovery = Not calculated			
Li 670.784†	53.5	0.0022 mg/L	0.00009	0.0022 mg/L	0.00009	4.21%
QC value within limits for Li 670.784			Recovery = Not calculated			
Mg 279.077†	53.5	-0.0331 mg/L	0.00238	-0.0331 mg/L	0.00238	7.20%
QC value less than the lower limit for Mg 279.077			Recovery = Not calculated			
Mn 257.610†	-490.5	-0.0037 mg/L	0.00000	-0.0037 mg/L	0.00000	0.12%

Mo	202.031†	9.2	0.0002 mg/L	0.00024	0.0002 mg/L	0.00024	96.86%
	QC value less than the lower limit for Mn 257.610 Recovery = Not calculated						
Na	589.592†	176.4	0.1301 mg/L	0.00255	0.1301 mg/L	0.00255	1.96%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	27.9	-0.0028 mg/L	0.00006	-0.0028 mg/L	0.00006	2.14%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-49.9	-0.0018 mg/L	0.00366	-0.0018 mg/L	0.00366	202.54%
	QC value within limits for P 214.914 Recovery = Not calculated						
Pb	220.353†	-10.9	-0.0048 mg/L	0.00086	-0.0048 mg/L	0.00086	17.84%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-6.7	-0.0069 mg/L	0.00187	-0.0069 mg/L	0.00187	27.20%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	5.1	0.0035 mg/L	0.00441	0.0035 mg/L	0.00441	127.53%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	-0.6	-0.0027 mg/L	0.00108	-0.0027 mg/L	0.00108	39.79%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	38.9	0.0005 mg/L	0.00000	0.0005 mg/L	0.00000	0.41%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	1118.1	-0.0005 mg/L	0.00006	-0.0005 mg/L	0.00006	13.39%
	QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	1.3	-0.0036 mg/L	0.00048	-0.0036 mg/L	0.00048	13.49%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	166.0	-0.0011 mg/L	0.00004	-0.0011 mg/L	0.00004	3.28%
	QC value within limits for V 292.402 Recovery = Not calculated						
Zn	213.857†	62.5	-0.0004 mg/L	0.00008	-0.0004 mg/L	0.00008	20.73%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

Sequence No.: 99 Autosampler Location: 89
Sample ID: 1210126-12 Date Collected: 10/6/2012 10:42:59 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1210126-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-11.3	-13.6	-0.0054	mg/L	-0.0054	mg/L	22:44:39
1	Fe 234.349†	217821.2	182290.4	156.3	mg/L	156.3	mg/L	22:44:37
1	K 766.490†	5451.1	4393.1	2.560	mg/L	2.560	mg/L	22:44:39
1	Li 670.784†	3705.6	3276.5	0.1018	mg/L	0.1018	mg/L	22:44:39
1	Na 589.592†	3217.9	2542.3	0.5171	mg/L	0.5171	mg/L	22:44:39
1	Sr 407.771†	29598.6	24638.7	0.0263	mg/L	0.0263	mg/L	22:44:37
1	Y 371.029	2959900.9	2959900.9	1.19	mg/L			22:44:52
1	Ag 328.068†	356.7	-1085.7	0.0013	mg/L	0.0013	mg/L	22:44:54
1	Al 237.313†	1652025.9	1382632.6	178.5	mg/L	178.5	mg/L	22:44:52
1	As 188.979†	64.9	51.4	0.1309	mg/L	0.1309	mg/L	22:45:05
1	B 182.528†	11.1	6.7	0.0184	mg/L	0.0184	mg/L	22:45:05
1	Ba 233.527†	37202.7	31187.6	0.4295	mg/L	0.4295	mg/L	22:44:54
1	Be 313.107†	10224.3	9072.1	0.0053	mg/L	0.0053	mg/L	22:44:54
1	Ca 315.887†	303787.7	254074.3	2.379	mg/L	2.379	mg/L	22:44:52
1	Cd 228.802†	132.2	47.8	0.0014	mg/L	0.0014	mg/L	22:45:05
1	Co 228.616†	1936.6	1685.5	0.0276	mg/L	0.0276	mg/L	22:45:05
1	Cr 267.716†	14259.3	11524.6	0.1237	mg/L	0.1237	mg/L	22:44:54
1	Cu 324.752†	9236.9	6496.7	0.0381	mg/L	0.0381	mg/L	22:44:54
1	Fe 238.204†	18559897.6	15531774.7	131.3	mg/L	131.3	mg/L	22:44:49
1	Mg 279.077†	163393.8	136601.9	12.01	mg/L	12.01	mg/L	22:44:54
1	Mn 257.610†	660599.2	551657.1	0.9726	mg/L	0.9726	mg/L	22:44:52
1	Mo 202.031†	272.9	201.2	-0.0382	mg/L	-0.0382	mg/L	22:44:54
1	Ni 231.604†	3230.9	2722.6	0.0927	mg/L	0.0927	mg/L	22:45:05
1	P 214.914†	4259.7	3222.0	2.313	mg/L	2.313	mg/L	22:45:05
1	Pb 220.353†	2108.5	1706.4	0.0940	mg/L	0.0940	mg/L	22:45:05
1	Sb 206.836†	88.8	37.5	-0.0387	mg/L	-0.0387	mg/L	22:45:05
1	Se 196.026†	-35.9	-30.1	0.0359	mg/L	0.0359	mg/L	22:45:05
1	Sn 189.927†	48.1	37.4	0.4625	mg/L	0.4625	mg/L	22:45:05
1	Ti 337.279†	5168738.0	4325940.1	6.119	mg/L	6.119	mg/L	22:44:52
1	Tl 190.801†	-0.5	-2.5	-0.1041	mg/L	-0.1041	mg/L	22:45:05
1	V 292.402†	49927.5	42465.1	0.2301	mg/L	0.2301	mg/L	22:44:54
1	Zn 213.857†	33367.0	27122.1	0.2899	mg/L	0.2899	mg/L	22:44:54
2	B 249.677†	11.4	5.4	0.0057	mg/L	0.0057	mg/L	22:44:43

2	Fe 234.349†	221952.7	185951.2	159.4	mg/L	159.4	mg/L	22:44:41
2	K 766.490†	5436.0	4385.4	2.556	mg/L	2.556	mg/L	22:44:43
2	Li 670.784†	3743.8	3311.9	0.1029	mg/L	0.1029	mg/L	22:44:43
2	Na 589.592†	3221.5	2548.3	0.5181	mg/L	0.5181	mg/L	22:44:43
2	Sr 407.771†	30098.4	25084.6	0.0268	mg/L	0.0268	mg/L	22:44:41
2	Y 371.029	2956663.3	2956663.3	1.19	mg/L			22:45:12
2	Ag 328.068†	405.5	-1044.5	0.0019	mg/L	0.0019	mg/L	22:45:14
2	Al 237.313†	1637466.9	1371949.3	177.1	mg/L	177.1	mg/L	22:45:12
2	As 188.979†	62.6	49.4	0.1298	mg/L	0.1298	mg/L	22:45:24
2	B 182.528†	13.6	8.8	0.0225	mg/L	0.0225	mg/L	22:45:24
2	Ba 233.527†	36923.1	30987.5	0.4268	mg/L	0.4268	mg/L	22:45:14
2	Be 313.107†	10170.3	9036.2	0.0052	mg/L	0.0052	mg/L	22:45:14
2	Ca 315.887†	300494.3	251593.6	2.356	mg/L	2.356	mg/L	22:45:12
2	Cd 228.802†	128.3	44.6	0.0013	mg/L	0.0013	mg/L	22:45:24
2	Co 228.616†	1912.4	1667.0	0.0272	mg/L	0.0272	mg/L	22:45:24
2	Cr 267.716†	14176.9	11468.6	0.1231	mg/L	0.1231	mg/L	22:45:14
2	Cu 324.752†	9180.1	6457.6	0.0378	mg/L	0.0378	mg/L	22:45:14
2	Fe 238.204†	18443548.4	15451308.5	130.6	mg/L	130.6	mg/L	22:45:08
2	Mg 279.077†	162293.2	135829.6	11.94	mg/L	11.94	mg/L	22:45:14
2	Mn 257.610†	654128.0	546841.1	0.9640	mg/L	0.9640	mg/L	22:45:12
2	Mo 202.031†	256.3	187.6	-0.0399	mg/L	-0.0399	mg/L	22:45:14
2	Ni 231.604†	3219.1	2715.6	0.0925	mg/L	0.0925	mg/L	22:45:24
2	P 214.914†	4242.2	3211.2	2.314	mg/L	2.314	mg/L	22:45:24
2	Pb 220.353†	2075.1	1680.3	0.0921	mg/L	0.0921	mg/L	22:45:24
2	Sb 206.836†	80.3	30.5	-0.0460	mg/L	-0.0460	mg/L	22:45:24
2	Se 196.026†	-39.5	-33.1	0.0343	mg/L	0.0343	mg/L	22:45:24
2	Sn 189.927†	63.2	50.1	0.4746	mg/L	0.4746	mg/L	22:45:24
2	Ti 337.279†	5126008.2	4294878.8	6.075	mg/L	6.075	mg/L	22:45:12
2	Tl 190.801†	1.0	-1.2	-0.1049	mg/L	-0.1049	mg/L	22:45:24
2	V 292.402†	49719.4	42336.5	0.2287	mg/L	0.2287	mg/L	22:45:14
2	Zn 213.857†	33327.0	27119.3	0.2899	mg/L	0.2899	mg/L	22:45:14

Mean Data: 1210126-12

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2958282.1	1.19	mg/L	0.001				0.08%
Ag 328.068†	-1065.1	0.0016	mg/L	0.00042	0.0016	mg/L	0.00042	25.95%
Al 237.313†	1377290.9	177.8	mg/L	0.98	177.8	mg/L	0.98	0.55%
As 188.979†	50.4	0.1303	mg/L	0.00076	0.1303	mg/L	0.00076	0.59%
B 182.528†	7.7	0.0204	mg/L	0.00290	0.0204	mg/L	0.00290	14.18%
B 249.677†	-4.1	0.0001	mg/L	0.00785	0.0001	mg/L	0.00785	>999.9%
Ba 233.527†	31087.6	0.4282	mg/L	0.00196	0.4282	mg/L	0.00196	0.46%
Be 313.107†	9054.2	0.0053	mg/L	0.00002	0.0053	mg/L	0.00002	0.29%
Ca 315.887†	252834.0	2.367	mg/L	0.0165	2.367	mg/L	0.0165	0.70%
Cd 228.802†	46.2	0.0013	mg/L	0.00007	0.0013	mg/L	0.00007	5.47%
Co 228.616†	1676.3	0.0274	mg/L	0.00027	0.0274	mg/L	0.00027	0.98%
Cr 267.716†	11496.6	0.1234	mg/L	0.00044	0.1234	mg/L	0.00044	0.35%
Cu 324.752†	6477.1	0.0380	mg/L	0.00018	0.0380	mg/L	0.00018	0.48%
Fe 234.349†	184120.8	157.8	mg/L	2.22	157.8	mg/L	2.22	1.41%
Fe 238.204†	15491541.6	130.9	mg/L	0.48	130.9	mg/L	0.48	0.37%
K 766.490†	4389.3	2.558	mg/L	0.0029	2.558	mg/L	0.0029	0.11%
Li 670.784†	3294.2	0.1023	mg/L	0.00077	0.1023	mg/L	0.00077	0.76%
Mg 279.077†	136215.7	11.98	mg/L	0.048	11.98	mg/L	0.048	0.40%
Mn 257.610†	549249.1	0.9683	mg/L	0.00602	0.9683	mg/L	0.00602	0.62%
Mo 202.031†	194.4	-0.0390	mg/L	0.00120	-0.0390	mg/L	0.00120	3.09%
Na 589.592†	2545.3	0.5176	mg/L	0.00069	0.5176	mg/L	0.00069	0.13%
Ni 231.604†	2719.1	0.0926	mg/L	0.00017	0.0926	mg/L	0.00017	0.19%
P 214.914†	3216.6	2.313	mg/L	0.0007	2.313	mg/L	0.0007	0.03%
Pb 220.353†	1693.3	0.0930	mg/L	0.00132	0.0930	mg/L	0.00132	1.42%
Sb 206.836†	34.0	-0.0424	mg/L	0.00517	-0.0424	mg/L	0.00517	12.20%
Se 196.026†	-31.6	0.0351	mg/L	0.00111	0.0351	mg/L	0.00111	3.16%
Sn 189.927†	43.7	0.4686	mg/L	0.00852	0.4686	mg/L	0.00852	1.82%
Sr 407.771†	24861.7	0.0265	mg/L	0.00033	0.0265	mg/L	0.00033	1.25%
Ti 337.279†	4310409.5	6.097	mg/L	0.0311	6.097	mg/L	0.0311	0.51%
Tl 190.801†	-1.8	-0.1045	mg/L	0.00057	-0.1045	mg/L	0.00057	0.55%
V 292.402†	42400.8	0.2294	mg/L	0.00097	0.2294	mg/L	0.00097	0.42%
Zn 213.857†	27120.7	0.2899	mg/L	0.00002	0.2899	mg/L	0.00002	0.01%

Sequence No.: 100
Sample ID: 1210126-13
Analyst:

Autosampler Location: 90
Date Collected: 10/6/2012 10:47:00 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210126-13

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-0.7	-4.8	-0.0002	mg/L	-0.0002	mg/L	22:48:42
1	Fe 234.349†	169143.3	141455.7	121.3	mg/L	121.3	mg/L	22:48:40
1	K 766.490†	4311.8	3437.2	2.046	mg/L	2.046	mg/L	22:48:42
1	Li 670.784†	2726.7	2455.8	0.0764	mg/L	0.0764	mg/L	22:48:42
1	Na 589.592†	2500.7	1940.7	0.4187	mg/L	0.4187	mg/L	22:48:42
1	Sr 407.771†	24466.9	20330.0	0.0218	mg/L	0.0218	mg/L	22:48:42
1	Y 371.029	2961959.2	2961959.2	1.20	mg/L			22:48:54
1	Ag 328.068†	614.8	-870.1	0.0004	mg/L	0.0004	mg/L	22:48:56
1	Al 237.313†	1280364.2	1070861.3	138.2	mg/L	138.2	mg/L	22:48:54
1	As 188.979†	36.2	27.3	0.0863	mg/L	0.0863	mg/L	22:49:07
1	B 182.528†	9.6	5.4	0.0158	mg/L	0.0158	mg/L	22:49:07
1	Ba 233.527†	26265.8	22019.8	0.3027	mg/L	0.3027	mg/L	22:48:56
1	Be 313.107†	8036.2	7236.3	0.0042	mg/L	0.0042	mg/L	22:48:56
1	Ca 315.887†	266306.2	222552.9	2.082	mg/L	2.082	mg/L	22:48:54
1	Cd 228.802†	122.8	39.9	0.0012	mg/L	0.0012	mg/L	22:49:07
1	Co 228.616†	1234.9	1097.6	0.0158	mg/L	0.0158	mg/L	22:49:07
1	Cr 267.716†	10162.9	8090.6	0.0859	mg/L	0.0859	mg/L	22:48:56
1	Cu 324.752†	6373.1	4096.5	0.0234	mg/L	0.0234	mg/L	22:48:56
1	Fe 238.204†	15019454.7	12560205.2	106.1	mg/L	106.1	mg/L	22:48:51
1	Mg 279.077†	98536.7	82268.7	7.220	mg/L	7.220	mg/L	22:48:54
1	Mn 257.610†	434941.8	362561.8	0.6382	mg/L	0.6382	mg/L	22:48:54
1	Mo 202.031†	217.6	154.9	-0.0297	mg/L	-0.0297	mg/L	22:48:56
1	Ni 231.604†	2649.6	2234.6	0.0754	mg/L	0.0754	mg/L	22:48:56
1	P 214.914†	3691.8	2744.6	1.946	mg/L	1.946	mg/L	22:49:07
1	Pb 220.353†	1642.5	1315.4	0.0714	mg/L	0.0714	mg/L	22:49:07
1	Sb 206.836†	71.7	23.1	-0.0353	mg/L	-0.0353	mg/L	22:49:07
1	Se 196.026†	-27.6	-23.1	0.0277	mg/L	0.0277	mg/L	22:49:07
1	Sn 189.927†	46.2	35.8	0.3599	mg/L	0.3599	mg/L	22:49:07
1	Ti 337.279†	3882902.4	3247624.9	4.593	mg/L	4.593	mg/L	22:48:54
1	Tl 190.801†	-3.8	-5.2	-0.0839	mg/L	-0.0839	mg/L	22:49:07
1	V 292.402†	38032.8	32488.9	0.1752	mg/L	0.1752	mg/L	22:48:56
1	Zn 213.857†	27198.1	21943.9	0.2344	mg/L	0.2344	mg/L	22:48:56
2	B 249.677†	-1.6	-5.5	-0.0006	mg/L	-0.0006	mg/L	22:48:47
2	Fe 234.349†	169925.5	141112.7	121.0	mg/L	121.0	mg/L	22:48:45
2	K 766.490†	4309.3	3409.7	2.031	mg/L	2.031	mg/L	22:48:47
2	Li 670.784†	2676.7	2398.2	0.0747	mg/L	0.0747	mg/L	22:48:47
2	Na 589.592†	2519.6	1941.7	0.4189	mg/L	0.4189	mg/L	22:48:47
2	Sr 407.771†	24322.2	20066.3	0.0215	mg/L	0.0215	mg/L	22:48:47
2	Y 371.029	2982890.0	2982890.0	1.20	mg/L			22:49:12
2	Ag 328.068†	641.4	-851.6	0.0006	mg/L	0.0006	mg/L	22:49:14
2	Al 237.313†	1284202.9	1066535.7	137.7	mg/L	137.7	mg/L	22:49:12
2	As 188.979†	48.6	37.4	0.0987	mg/L	0.0987	mg/L	22:49:24
2	B 182.528†	6.3	2.6	0.0104	mg/L	0.0104	mg/L	22:49:24
2	Ba 233.527†	26121.6	21745.9	0.2989	mg/L	0.2989	mg/L	22:49:14
2	Be 313.107†	8000.5	7159.5	0.0041	mg/L	0.0041	mg/L	22:49:14
2	Ca 315.887†	265960.3	220702.9	2.064	mg/L	2.064	mg/L	22:49:12
2	Cd 228.802†	122.7	39.1	0.0011	mg/L	0.0011	mg/L	22:49:24
2	Co 228.616†	1251.5	1104.1	0.0160	mg/L	0.0160	mg/L	22:49:24
2	Cr 267.716†	10123.1	7997.9	0.0849	mg/L	0.0849	mg/L	22:49:14
2	Cu 324.752†	6495.8	4160.9	0.0237	mg/L	0.0237	mg/L	22:49:14
2	Fe 238.204†	14992651.6	12449812.1	105.2	mg/L	105.2	mg/L	22:49:09
2	Mg 279.077†	98487.8	81649.9	7.165	mg/L	7.165	mg/L	22:49:12
2	Mn 257.610†	436220.8	361071.6	0.6356	mg/L	0.6356	mg/L	22:49:12
2	Mo 202.031†	243.0	174.7	-0.0286	mg/L	-0.0286	mg/L	22:49:14
2	Ni 231.604†	2616.2	2191.3	0.0739	mg/L	0.0739	mg/L	22:49:14
2	P 214.914†	3695.1	2725.7	1.934	mg/L	1.934	mg/L	22:49:24
2	Pb 220.353†	1670.8	1329.3	0.0727	mg/L	0.0727	mg/L	22:49:24
2	Sb 206.836†	75.4	25.8	-0.0329	mg/L	-0.0329	mg/L	22:49:24
2	Se 196.026†	-25.0	-20.8	0.0299	mg/L	0.0299	mg/L	22:49:24
2	Sn 189.927†	53.0	41.2	0.3602	mg/L	0.3602	mg/L	22:49:24
2	Ti 337.279†	3894423.8	3234407.1	4.575	mg/L	4.575	mg/L	22:49:12
2	Tl 190.801†	-2.0	-3.7	-0.0826	mg/L	-0.0826	mg/L	22:49:24
2	V 292.402†	37782.7	32058.0	0.1726	mg/L	0.1726	mg/L	22:49:14
2	Zn 213.857†	27054.1	21664.7	0.2314	mg/L	0.2314	mg/L	22:49:14

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	2972424.6	1.20	mg/L	0.006				0.50%
Ag 328.068†	-860.8	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	18.44%
Al 237.313†	1068698.5	138.0	mg/L	0.39	138.0	mg/L	0.39	0.29%
As 188.979†	32.3	0.0925	mg/L	0.00880	0.0925	mg/L	0.00880	9.51%
B 182.528†	4.0	0.0131	mg/L	0.00386	0.0131	mg/L	0.00386	29.46%
B 249.677†	-5.1	-0.0004	mg/L	0.00031	-0.0004	mg/L	0.00031	74.53%
Ba 233.527†	21882.8	0.3008	mg/L	0.00268	0.3008	mg/L	0.00268	0.89%
Be 313.107†	7197.9	0.0041	mg/L	0.00003	0.0041	mg/L	0.00003	0.78%
Ca 315.887†	221627.9	2.073	mg/L	0.0123	2.073	mg/L	0.0123	0.60%
Cd 228.802†	39.5	0.0012	mg/L	0.00006	0.0012	mg/L	0.00006	5.11%
Co 228.616†	1100.9	0.0159	mg/L	0.00014	0.0159	mg/L	0.00014	0.89%
Cr 267.716†	8044.2	0.0854	mg/L	0.00072	0.0854	mg/L	0.00072	0.84%
Cu 324.752†	4128.7	0.0235	mg/L	0.00025	0.0235	mg/L	0.00025	1.05%
Fe 234.349†	141284.2	121.1	mg/L	0.21	121.1	mg/L	0.21	0.17%
Fe 238.204†	12505008.7	105.7	mg/L	0.66	105.7	mg/L	0.66	0.62%
K 766.490†	3423.4	2.039	mg/L	0.0104	2.039	mg/L	0.0104	0.51%
Li 670.784†	2427.0	0.0756	mg/L	0.00126	0.0756	mg/L	0.00126	1.66%
Mg 279.077†	81959.3	7.193	mg/L	0.0386	7.193	mg/L	0.0386	0.54%
Mn 257.610†	361816.7	0.6369	mg/L	0.00186	0.6369	mg/L	0.00186	0.29%
Mo 202.031†	164.8	-0.0292	mg/L	0.00081	-0.0292	mg/L	0.00081	2.78%
Na 589.592†	1941.2	0.4188	mg/L	0.00012	0.4188	mg/L	0.00012	0.03%
Ni 231.604†	2212.9	0.0747	mg/L	0.00108	0.0747	mg/L	0.00108	1.45%
P 214.914†	2735.2	1.940	mg/L	0.0085	1.940	mg/L	0.0085	0.44%
Pb 220.353†	1322.4	0.0720	mg/L	0.00096	0.0720	mg/L	0.00096	1.33%
Sb 206.836†	24.5	-0.0341	mg/L	0.00170	-0.0341	mg/L	0.00170	4.97%
Se 196.026†	-22.0	0.0288	mg/L	0.00153	0.0288	mg/L	0.00153	5.32%
Sn 189.927†	38.5	0.3601	mg/L	0.00026	0.3601	mg/L	0.00026	0.07%
Sr 407.771†	20198.2	0.0216	mg/L	0.00020	0.0216	mg/L	0.00020	0.90%
Ti 337.279†	3241016.0	4.584	mg/L	0.0132	4.584	mg/L	0.0132	0.29%
Tl 190.801†	-4.4	-0.0832	mg/L	0.00089	-0.0832	mg/L	0.00089	1.07%
V 292.402†	32273.5	0.1739	mg/L	0.00186	0.1739	mg/L	0.00186	1.07%
Zn 213.857†	21804.3	0.2329	mg/L	0.00212	0.2329	mg/L	0.00212	0.91%

Sequence No.: 101

Sample ID: 1210126-14

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 91

Date Collected: 10/6/2012 10:51:01 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210126-14

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	11.0	5.0	0.0055	mg/L	0.0055	mg/L	22:52:42
1	Fe 234.349†	179623.1	149685.2	128.3	mg/L	128.3	mg/L	22:52:40
1	K 766.490†	4135.6	3277.5	1.960	mg/L	1.960	mg/L	22:52:42
1	Li 670.784†	2901.3	2593.1	0.0807	mg/L	0.0807	mg/L	22:52:42
1	Na 589.592†	2360.9	1816.7	0.3985	mg/L	0.3985	mg/L	22:52:42
1	Sr 407.771†	27880.3	23101.6	0.0247	mg/L	0.0247	mg/L	22:52:40
1	Y 371.029	2972536.6	2972536.6	1.20	mg/L			22:52:54
1	Ag 328.068†	1833.2	143.4	0.0096	mg/L	0.0096	mg/L	22:52:56
1	Al 237.313†	1315851.3	1096622.5	141.6	mg/L	141.6	mg/L	22:52:54
1	As 188.979†	46.0	35.3	0.0992	mg/L	0.0992	mg/L	22:53:06
1	B 182.528†	11.1	6.6	0.0183	mg/L	0.0183	mg/L	22:53:06
1	Ba 233.527†	19601.9	16388.6	0.2248	mg/L	0.2248	mg/L	22:52:56
1	Be 313.107†	8226.7	7371.1	0.0042	mg/L	0.0042	mg/L	22:52:56
1	Ca 315.887†	314506.1	261925.3	2.453	mg/L	2.453	mg/L	22:52:54
1	Cd 228.802†	116.0	33.8	0.0010	mg/L	0.0010	mg/L	22:53:06
1	Co 228.616†	1170.6	1040.3	0.0148	mg/L	0.0148	mg/L	22:53:06
1	Cr 267.716†	10598.9	8423.7	0.0896	mg/L	0.0896	mg/L	22:52:56
1	Cu 324.752†	24975.2	19578.5	0.1104	mg/L	0.1104	mg/L	22:52:56
1	Fe 238.204†	15909423.0	13257118.4	112.0	mg/L	112.0	mg/L	22:52:51
1	Mg 279.077†	112544.2	93647.8	8.224	mg/L	8.224	mg/L	22:52:54
1	Mn 257.610†	571649.0	475185.2	0.8373	mg/L	0.8373	mg/L	22:52:54
1	Mo 202.031†	247.6	179.2	-0.0307	mg/L	-0.0307	mg/L	22:52:56
1	Ni 231.604†	2084.5	1755.8	0.0585	mg/L	0.0585	mg/L	22:52:56
1	P 214.914†	4609.6	3498.4	2.410	mg/L	2.410	mg/L	22:53:06
1	Pb 220.353†	2352.8	1902.5	0.1211	mg/L	0.1211	mg/L	22:53:06
1	Sb 206.836†	78.6	28.7	-0.0338	mg/L	-0.0338	mg/L	22:53:06

1	Se 196.026†	-32.8	-27.4	0.0266 mg/L	0.0266 mg/L	22:53:06
1	Sn 189.927†	38.1	28.9	0.3789 mg/L	0.3789 mg/L	22:53:06
1	Ti 337.279†	3732512.9	3110751.1	4.400 mg/L	4.400 mg/L	22:52:54
1	Tl 190.801†	3.4	0.8	-0.0834 mg/L	-0.0834 mg/L	22:53:06
1	V 292.402†	40661.8	34566.4	0.1871 mg/L	0.1871 mg/L	22:52:56
1	Zn 213.857†	25731.0	20640.4	0.2203 mg/L	0.2203 mg/L	22:52:56
2	B 249.677†	-18.9	-19.9	-0.0090 mg/L	-0.0090 mg/L	22:52:46
2	Fe 234.349†	176834.2	147413.9	126.4 mg/L	126.4 mg/L	22:52:44
2	K 766.490†	4044.3	3202.6	1.920 mg/L	1.920 mg/L	22:52:46
2	Li 670.784†	2795.6	2505.8	0.0780 mg/L	0.0780 mg/L	22:52:46
2	Na 589.592†	2264.9	1737.4	0.3855 mg/L	0.3855 mg/L	22:52:46
2	Sr 407.771†	27417.0	22723.7	0.0243 mg/L	0.0243 mg/L	22:52:44
2	Y 371.029	2971473.0	2971473.0	1.20 mg/L		22:53:12
2	Ag 328.068†	1811.5	125.8	0.0093 mg/L	0.0093 mg/L	22:53:14
2	Al 237.313†	1298252.8	1082345.0	139.7 mg/L	139.7 mg/L	22:53:12
2	As 188.979†	40.9	31.1	0.0931 mg/L	0.0931 mg/L	22:53:24
2	B 182.528†	15.4	10.2	0.0253 mg/L	0.0253 mg/L	22:53:24
2	Ba 233.527†	19604.8	16396.9	0.2249 mg/L	0.2249 mg/L	22:53:14
2	Be 313.107†	8326.5	7456.8	0.0043 mg/L	0.0043 mg/L	22:53:14
2	Ca 315.887†	309795.1	258092.0	2.417 mg/L	2.417 mg/L	22:53:12
2	Cd 228.802†	123.5	40.2	0.0012 mg/L	0.0012 mg/L	22:53:24
2	Co 228.616†	1181.0	1049.4	0.0151 mg/L	0.0151 mg/L	22:53:24
2	Cr 267.716†	10607.1	8433.7	0.0897 mg/L	0.0897 mg/L	22:53:14
2	Cu 324.752†	25004.1	19610.1	0.1105 mg/L	0.1105 mg/L	22:53:14
2	Fe 238.204†	15844339.9	13207610.8	111.6 mg/L	111.6 mg/L	22:53:09
2	Mg 279.077†	110885.9	92299.1	8.105 mg/L	8.105 mg/L	22:53:12
2	Mn 257.610†	564418.2	469328.1	0.8270 mg/L	0.8270 mg/L	22:53:12
2	Mo 202.031†	257.1	187.2	-0.0297 mg/L	-0.0297 mg/L	22:53:14
2	Ni 231.604†	2082.4	1754.7	0.0584 mg/L	0.0584 mg/L	22:53:14
2	P 214.914†	4630.0	3516.9	2.416 mg/L	2.416 mg/L	22:53:24
2	Pb 220.353†	2331.5	1885.4	0.1201 mg/L	0.1201 mg/L	22:53:24
2	Sb 206.836†	76.0	26.6	-0.0347 mg/L	-0.0347 mg/L	22:53:24
2	Se 196.026†	-35.4	-29.6	0.0237 mg/L	0.0237 mg/L	22:53:24
2	Sn 189.927†	35.2	26.5	0.3727 mg/L	0.3727 mg/L	22:53:24
2	Ti 337.279†	3684940.7	3072208.5	4.345 mg/L	4.345 mg/L	22:53:12
2	Tl 190.801†	-1.0	-2.8	-0.0848 mg/L	-0.0848 mg/L	22:53:24
2	V 292.402†	40814.4	34705.7	0.1884 mg/L	0.1884 mg/L	22:53:14
2	Zn 213.857†	25801.0	20706.4	0.2210 mg/L	0.2210 mg/L	22:53:14

Mean Data: 1210126-14

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2972004.8	1.20 mg/L	0.000			0.03%
Ag 328.068†	134.6	0.0095 mg/L	0.00021	0.0095 mg/L	0.00021	2.23%
Al 237.313†	1089483.7	140.6 mg/L	1.30	140.6 mg/L	1.30	0.93%
As 188.979†	33.2	0.0962 mg/L	0.00433	0.0962 mg/L	0.00433	4.50%
B 182.528†	8.4	0.0218 mg/L	0.00496	0.0218 mg/L	0.00496	22.81%
B 249.677†	-7.4	-0.0018 mg/L	0.01027	-0.0018 mg/L	0.01027	584.50%
Ba 233.527†	16392.7	0.2248 mg/L	0.00008	0.2248 mg/L	0.00008	0.04%
Be 313.107†	7413.9	0.0043 mg/L	0.00004	0.0043 mg/L	0.00004	0.85%
Ca 315.887†	260008.6	2.435 mg/L	0.0255	2.435 mg/L	0.0255	1.05%
Cd 228.802†	37.0	0.0011 mg/L	0.00017	0.0011 mg/L	0.00017	16.24%
Co 228.616†	1044.8	0.0149 mg/L	0.00024	0.0149 mg/L	0.00024	1.59%
Cr 267.716†	8428.7	0.0896 mg/L	0.00008	0.0896 mg/L	0.00008	0.09%
Cu 324.752†	19594.3	0.1105 mg/L	0.00010	0.1105 mg/L	0.00010	0.09%
Fe 234.349†	148549.5	127.4 mg/L	1.38	127.4 mg/L	1.38	1.08%
Fe 238.204†	13232364.6	111.8 mg/L	0.30	111.8 mg/L	0.30	0.26%
K 766.490†	3240.0	1.940 mg/L	0.0285	1.940 mg/L	0.0285	1.47%
Li 670.784†	2549.5	0.0793 mg/L	0.00191	0.0793 mg/L	0.00191	2.40%
Mg 279.077†	92973.4	8.165 mg/L	0.0841	8.165 mg/L	0.0841	1.03%
Mn 257.610†	472256.7	0.8322 mg/L	0.00732	0.8322 mg/L	0.00732	0.88%
Mo 202.031†	183.2	-0.0302 mg/L	0.00073	-0.0302 mg/L	0.00073	2.42%
Na 589.592†	1777.1	0.3920 mg/L	0.00917	0.3920 mg/L	0.00917	2.34%
Ni 231.604†	1755.2	0.0584 mg/L	0.00003	0.0584 mg/L	0.00003	0.05%
P 214.914†	3507.6	2.413 mg/L	0.0045	2.413 mg/L	0.0045	0.19%
Pb 220.353†	1893.9	0.1206 mg/L	0.00069	0.1206 mg/L	0.00069	0.57%
Sb 206.836†	27.6	-0.0342 mg/L	0.00062	-0.0342 mg/L	0.00062	1.81%
Se 196.026†	-28.5	0.0251 mg/L	0.00206	0.0251 mg/L	0.00206	8.20%
Sn 189.927†	27.7	0.3758 mg/L	0.00440	0.3758 mg/L	0.00440	1.17%
Sr 407.771†	22912.7	0.0245 mg/L	0.00028	0.0245 mg/L	0.00028	1.14%
Ti 337.279†	3091479.8	4.373 mg/L	0.0386	4.373 mg/L	0.0386	0.88%
Tl 190.801†	-1.0	-0.0841 mg/L	0.00099	-0.0841 mg/L	0.00099	1.18%

V 292.402†	34636.1	0.1878 mg/L	0.00091	0.1878 mg/L	0.00091	0.49%
Zn 213.857†	20673.4	0.2207 mg/L	0.00050	0.2207 mg/L	0.00050	0.23%

Sequence No.: 102	Autosampler Location: 92
Sample ID: 1210126-15	Date Collected: 10/6/2012 10:55:01 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210126-15

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	0.7	-3.6	0.0005 mg/L	0.0005 mg/L	22:56:52
1	Fe 234.349†	153261.3	125969.8	108.0 mg/L	108.0 mg/L	22:56:42
1	K 766.490†	5389.0	4260.5	2.489 mg/L	2.489 mg/L	22:56:52
1	Li 670.784†	2582.7	2298.1	0.0716 mg/L	0.0716 mg/L	22:56:52
1	Na 589.592†	3042.7	2350.2	0.4857 mg/L	0.4857 mg/L	22:56:52
1	Sr 407.771†	33178.8	27138.4	0.0289 mg/L	0.0289 mg/L	22:56:42
1	Y 371.029	3013790.2	3013790.2	1.22 mg/L		22:57:12
1	Ag 328.068†	6444.4	3912.4	0.0401 mg/L	0.0401 mg/L	22:57:15
1	Al 237.313†	996510.9	819150.5	105.7 mg/L	105.7 mg/L	22:57:12
1	As 188.979†	62.7	48.6	0.1070 mg/L	0.1070 mg/L	22:57:25
1	B 182.528†	9.3	5.0	0.0151 mg/L	0.0151 mg/L	22:57:25
1	Ba 233.527†	18688.4	15414.3	0.2112 mg/L	0.2112 mg/L	22:57:15
1	Be 313.107†	7518.3	6695.0	0.0038 mg/L	0.0038 mg/L	22:57:15
1	Ca 315.887†	426242.0	350172.5	3.285 mg/L	3.285 mg/L	22:57:12
1	Cd 228.802†	142.2	54.1	0.0016 mg/L	0.0016 mg/L	22:57:25
1	Co 228.616†	1285.1	1121.1	0.0172 mg/L	0.0172 mg/L	22:57:25
1	Cr 267.716†	10171.2	7951.3	0.0844 mg/L	0.0844 mg/L	22:57:15
1	Cu 324.752†	142838.9	116164.8	0.6541 mg/L	0.6541 mg/L	22:57:12
1	Fe 238.204†	13889348.0	11415368.6	96.47 mg/L	96.47 mg/L	22:57:09
1	Mg 279.077†	125970.0	103398.6	9.084 mg/L	9.084 mg/L	22:57:12
1	Mn 257.610†	452379.3	370638.1	0.6525 mg/L	0.6525 mg/L	22:57:12
1	Mo 202.031†	227.5	159.9	-0.0258 mg/L	-0.0258 mg/L	22:57:15
1	Ni 231.604†	2841.9	2354.6	0.0797 mg/L	0.0797 mg/L	22:57:15
1	P 214.914†	5590.3	4251.9	2.800 mg/L	2.800 mg/L	22:57:25
1	Pb 220.353†	8253.8	6725.6	0.5466 mg/L	0.5466 mg/L	22:57:15
1	Sb 206.836†	69.1	20.0	-0.0320 mg/L	-0.0320 mg/L	22:57:25
1	Se 196.026†	-31.0	-25.6	0.0197 mg/L	0.0197 mg/L	22:57:25
1	Sn 189.927†	301.1	244.6	0.3683 mg/L	0.3683 mg/L	22:57:25
1	Ti 337.279†	3586195.7	2947919.9	4.169 mg/L	4.169 mg/L	22:57:12
1	Tl 190.801†	3.9	1.2	-0.0715 mg/L	-0.0715 mg/L	22:57:25
1	V 292.402†	59999.3	49995.9	0.2878 mg/L	0.2878 mg/L	22:57:15
1	Zn 213.857†	37521.3	30037.3	0.3202 mg/L	0.3202 mg/L	22:57:15
2	B 249.677†	-8.5	-11.2	-0.0039 mg/L	-0.0039 mg/L	22:57:05
2	Fe 234.349†	151354.5	124426.1	106.7 mg/L	106.7 mg/L	22:56:55
2	K 766.490†	5348.5	4228.0	2.471 mg/L	2.471 mg/L	22:57:05
2	Li 670.784†	2543.9	2266.7	0.0706 mg/L	0.0706 mg/L	22:57:05
2	Na 589.592†	3065.4	2369.3	0.4888 mg/L	0.4888 mg/L	22:57:05
2	Sr 407.771†	32757.3	26797.1	0.0286 mg/L	0.0286 mg/L	22:56:55
2	Y 371.029	3013220.0	3013220.0	1.22 mg/L		22:57:30
2	Ag 328.068†	6465.8	3931.0	0.0402 mg/L	0.0402 mg/L	22:57:33
2	Al 237.313†	995512.9	818485.1	105.7 mg/L	105.7 mg/L	22:57:30
2	As 188.979†	67.7	52.7	0.1117 mg/L	0.1117 mg/L	22:57:43
2	B 182.528†	8.3	4.2	0.0135 mg/L	0.0135 mg/L	22:57:43
2	Ba 233.527†	18471.0	15238.4	0.2088 mg/L	0.2088 mg/L	22:57:33
2	Be 313.107†	7367.2	6572.0	0.0038 mg/L	0.0038 mg/L	22:57:33
2	Ca 315.887†	427043.1	350897.4	3.291 mg/L	3.291 mg/L	22:57:30
2	Cd 228.802†	140.7	52.9	0.0015 mg/L	0.0015 mg/L	22:57:43
2	Co 228.616†	1312.3	1143.7	0.0178 mg/L	0.0178 mg/L	22:57:43
2	Cr 267.716†	9993.1	7806.5	0.0828 mg/L	0.0828 mg/L	22:57:33
2	Cu 324.752†	142749.7	116113.6	0.6538 mg/L	0.6538 mg/L	22:57:30
2	Fe 238.204†	13918073.3	11441142.1	96.69 mg/L	96.69 mg/L	22:57:28
2	Mg 279.077†	126246.5	103645.5	9.105 mg/L	9.105 mg/L	22:57:30
2	Mn 257.610†	452711.4	370981.5	0.6531 mg/L	0.6531 mg/L	22:57:30
2	Mo 202.031†	246.1	175.2	-0.0245 mg/L	-0.0245 mg/L	22:57:33
2	Ni 231.604†	2810.8	2329.4	0.0788 mg/L	0.0788 mg/L	22:57:33
2	P 214.914†	5637.8	4291.9	2.821 mg/L	2.821 mg/L	22:57:43
2	Pb 220.353†	8191.3	6675.5	0.5423 mg/L	0.5423 mg/L	22:57:33
2	Sb 206.836†	68.2	19.2	-0.0320 mg/L	-0.0320 mg/L	22:57:43
2	Se 196.026†	-17.4	-14.3	0.0300 mg/L	0.0300 mg/L	22:57:43

2	Sn 189.927†	324.6	264.0	0.3688 mg/L	0.3688 mg/L	22:57:43
2	Ti 337.279†	3581937.6	2944977.2	4.165 mg/L	4.165 mg/L	22:57:30
2	Tl 190.801†	-1.4	-3.2	-0.0738 mg/L	-0.0738 mg/L	22:57:43
2	V 292.402†	59257.5	49395.5	0.2843 mg/L	0.2843 mg/L	22:57:33
2	Zn 213.857†	37041.8	29649.0	0.3160 mg/L	0.3160 mg/L	22:57:33

Mean Data: 1210126-15

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3013505.1	1.22 mg/L	0.000			0.01%
Ag 328.068†	3921.7	0.0402 mg/L	0.00004	0.0402 mg/L	0.00004	0.10%
Al 237.313†	818817.8	105.7 mg/L	0.06	105.7 mg/L	0.06	0.06%
As 188.979†	50.6	0.1093 mg/L	0.00327	0.1093 mg/L	0.00327	2.99%
B 182.528†	4.6	0.0143 mg/L	0.00109	0.0143 mg/L	0.00109	7.66%
B 249.677†	-7.4	-0.0017 mg/L	0.00310	-0.0017 mg/L	0.00310	179.13%
Ba 233.527†	15326.4	0.2100 mg/L	0.00172	0.2100 mg/L	0.00172	0.82%
Be 313.107†	6633.5	0.0038 mg/L	0.00005	0.0038 mg/L	0.00005	1.37%
Ca 315.887†	350534.9	3.288 mg/L	0.0048	3.288 mg/L	0.0048	0.15%
Cd 228.802†	53.5	0.0016 mg/L	0.00005	0.0016 mg/L	0.00005	2.95%
Co 228.616†	1132.4	0.0175 mg/L	0.00041	0.0175 mg/L	0.00041	2.32%
Cr 267.716†	7878.9	0.0836 mg/L	0.00113	0.0836 mg/L	0.00113	1.35%
Cu 324.752†	116139.2	0.6539 mg/L	0.00021	0.6539 mg/L	0.00021	0.03%
Fe 234.349†	125198.0	107.3 mg/L	0.94	107.3 mg/L	0.94	0.87%
Fe 238.204†	11428255.4	96.58 mg/L	0.154	96.58 mg/L	0.154	0.16%
K 766.490†	4244.2	2.480 mg/L	0.0124	2.480 mg/L	0.0124	0.50%
Li 670.784†	2282.4	0.0711 mg/L	0.00069	0.0711 mg/L	0.00069	0.97%
Mg 279.077†	103522.1	9.095 mg/L	0.0154	9.095 mg/L	0.0154	0.17%
Mn 257.610†	370809.8	0.6528 mg/L	0.00043	0.6528 mg/L	0.00043	0.07%
Mo 202.031†	167.6	-0.0252 mg/L	0.00087	-0.0252 mg/L	0.00087	3.46%
Na 589.592†	2359.8	0.4873 mg/L	0.00221	0.4873 mg/L	0.00221	0.45%
Ni 231.604†	2342.0	0.0792 mg/L	0.00063	0.0792 mg/L	0.00063	0.79%
P 214.914†	4271.9	2.810 mg/L	0.0146	2.810 mg/L	0.0146	0.52%
Pb 220.353†	6700.5	0.5445 mg/L	0.00303	0.5445 mg/L	0.00303	0.56%
Sb 206.836†	19.6	-0.0320 mg/L	0.00005	-0.0320 mg/L	0.00005	0.16%
Se 196.026†	-20.0	0.0249 mg/L	0.00731	0.0249 mg/L	0.00731	29.39%
Sn 189.927†	254.3	0.3685 mg/L	0.00036	0.3685 mg/L	0.00036	0.10%
Sr 407.771†	26967.7	0.0287 mg/L	0.00025	0.0287 mg/L	0.00025	0.88%
Ti 337.279†	2946448.6	4.167 mg/L	0.0029	4.167 mg/L	0.0029	0.07%
Tl 190.801†	-1.0	-0.0726 mg/L	0.00162	-0.0726 mg/L	0.00162	2.23%
V 292.402†	49695.7	0.2860 mg/L	0.00248	0.2860 mg/L	0.00248	0.87%
Zn 213.857†	29843.1	0.3181 mg/L	0.00295	0.3181 mg/L	0.00295	0.93%

Sequence No.: 103
Sample ID: 1210136-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 93
Date Collected: 10/6/2012 10:59:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210136-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	114.0	89.4	0.0544 mg/L	0.0544 mg/L	23:01:02
1	Fe 234.349†	581494.3	477654.7	409.4 mg/L	409.4 mg/L	23:01:00
1	K 766.490†	50476.9	41293.8	22.41 mg/L	22.41 mg/L	23:01:02
1	Li 670.784†	10103.4	8474.6	0.2624 mg/L	0.2624 mg/L	23:01:02
1	Na 589.592†	49854.6	40800.8	6.775 mg/L	6.775 mg/L	23:01:02
1	Sr 407.771†	324485.4	266406.7	0.2799 mg/L	0.2799 mg/L	23:01:00
1	Y 371.029	3015530.1	3015530.1	1.22 mg/L		23:01:18
1	Ag 328.068†	-1671.4	-2757.2	0.0066 mg/L	0.0066 mg/L	23:01:21
1	Al 237.313†	1190977.6	978416.1	126.3 mg/L	126.3 mg/L	23:01:18
1	As 188.979†	101.0	80.0	0.2725 mg/L	0.2725 mg/L	23:01:31
1	B 182.528†	52.9	40.8	0.0850 mg/L	0.0850 mg/L	23:01:31
1	Ba 233.527†	89322.4	73425.3	1.014 mg/L	1.014 mg/L	23:01:21
1	Be 313.107†	11436.4	9909.9	0.0058 mg/L	0.0058 mg/L	23:01:21
1	Ca 315.887†	8429716.3	6924155.8	65.21 mg/L	65.21 mg/L	23:01:15
1	Cd 228.802†	1003.2	761.2	0.0265 mg/L	0.0265 mg/L	23:01:31
1	Co 228.616†	6903.8	5735.8	0.1283 mg/L	0.1283 mg/L	23:01:31
1	Cr 267.716†	42804.9	34752.3	0.3796 mg/L	0.3796 mg/L	23:01:21
1	Cu 324.752†	258853.8	211393.6	1.192 mg/L	1.192 mg/L	23:01:21
1	Fe 238.204†	38956330.1	31999213.5	270.4 mg/L	270.4 mg/L	23:01:15

1	Mg	279.077†	873625.0	717475.0	63.26	mg/L	63.26	mg/L	23:01:18
1	Mn	257.610†	3230875.2	2652725.8	4.687	mg/L	4.687	mg/L	23:01:18
1	Mo	202.031†	1280.6	1024.8	-0.0738	mg/L	-0.0738	mg/L	23:01:21
1	Ni	231.604†	10391.3	8554.4	0.2994	mg/L	0.2994	mg/L	23:01:31
1	P	214.914†	19052.6	15307.4	10.08	mg/L	10.08	mg/L	23:01:31
1	Pb	220.353†	24348.5	19942.1	1.678	mg/L	1.678	mg/L	23:01:31
1	Sb	206.836†	127.7	68.1	-0.1251	mg/L	-0.1251	mg/L	23:01:31
1	Se	196.026†	-139.1	-114.3	0.0621	mg/L	0.0621	mg/L	23:01:31
1	Sn	189.927†	109.3	87.0	1.214	mg/L	1.214	mg/L	23:01:31
1	Ti	337.279†	5717310.1	4696751.6	6.644	mg/L	6.644	mg/L	23:01:18
1	Tl	190.801†	13.6	9.1	-0.2413	mg/L	-0.2413	mg/L	23:01:31
1	V	292.402†	98163.1	81315.8	0.4271	mg/L	0.4271	mg/L	23:01:21
1	Zn	213.857†	357163.9	292579.1	3.141	mg/L	3.141	mg/L	23:01:21
2	B	249.677†	122.8	96.7	0.0586	mg/L	0.0586	mg/L	23:01:06
2	Fe	234.349†	586667.4	481898.1	413.0	mg/L	413.0	mg/L	23:01:04
2	K	766.490†	50500.1	41312.4	22.42	mg/L	22.42	mg/L	23:01:06
2	Li	670.784†	10094.0	8466.7	0.2621	mg/L	0.2621	mg/L	23:01:06
2	Na	589.592†	49895.9	40834.2	6.781	mg/L	6.781	mg/L	23:01:06
2	Sr	407.771†	327142.7	268586.2	0.2822	mg/L	0.2822	mg/L	23:01:04
2	Y	371.029	3015567.1	3015567.1	1.22	mg/L	1.22	mg/L	23:01:41
2	Ag	328.068†	-1641.6	-2732.7	0.0071	mg/L	0.0071	mg/L	23:01:44
2	Al	237.313†	1199342.3	985274.9	127.2	mg/L	127.2	mg/L	23:01:41
2	As	188.979†	97.7	77.3	0.2707	mg/L	0.2707	mg/L	23:01:54
2	B	182.528†	55.8	43.2	0.0896	mg/L	0.0896	mg/L	23:01:54
2	Ba	233.527†	89815.8	73829.7	1.019	mg/L	1.019	mg/L	23:01:44
2	Be	313.107†	11349.8	9838.6	0.0058	mg/L	0.0058	mg/L	23:01:44
2	Ca	315.887†	8354356.0	6862169.4	64.63	mg/L	64.63	mg/L	23:01:38
2	Cd	228.802†	1000.0	758.5	0.0264	mg/L	0.0264	mg/L	23:01:54
2	Co	228.616†	6953.2	5776.3	0.1292	mg/L	0.1292	mg/L	23:01:54
2	Cr	267.716†	43078.3	34976.4	0.3820	mg/L	0.3820	mg/L	23:01:44
2	Cu	324.752†	259922.4	212268.7	1.197	mg/L	1.197	mg/L	23:01:44
2	Fe	238.204†	38670108.7	31763716.7	268.5	mg/L	268.5	mg/L	23:01:38
2	Mg	279.077†	878229.3	721248.2	63.59	mg/L	63.59	mg/L	23:01:41
2	Mn	257.610†	3249545.8	2668029.4	4.715	mg/L	4.715	mg/L	23:01:41
2	Mo	202.031†	1357.2	1087.7	-0.0716	mg/L	-0.0716	mg/L	23:01:44
2	Ni	231.604†	10353.2	8523.0	0.2983	mg/L	0.2983	mg/L	23:01:54
2	P	214.914†	19113.1	15356.9	10.12	mg/L	10.12	mg/L	23:01:54
2	Pb	220.353†	24377.9	19966.0	1.680	mg/L	1.680	mg/L	23:01:54
2	Sb	206.836†	127.7	68.1	-0.1267	mg/L	-0.1267	mg/L	23:01:54
2	Se	196.026†	-128.1	-105.3	0.0723	mg/L	0.0723	mg/L	23:01:54
2	Sn	189.927†	95.8	75.8	1.222	mg/L	1.222	mg/L	23:01:54
2	Ti	337.279†	5754033.0	4726858.4	6.687	mg/L	6.687	mg/L	23:01:41
2	Tl	190.801†	1.1	-1.1	-0.2505	mg/L	-0.2505	mg/L	23:01:54
2	V	292.402†	98629.9	81698.3	0.4288	mg/L	0.4288	mg/L	23:01:44
2	Zn	213.857†	358378.7	293573.4	3.151	mg/L	3.151	mg/L	23:01:44

Mean Data: 1210136-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3015548.6	1.22	mg/L	0.000				0.00%
Ag 328.068†	-2744.9	0.0069	mg/L	0.00035	0.0069	mg/L	0.00035	5.03%
Al 237.313†	981845.5	126.8	mg/L	0.63	126.8	mg/L	0.63	0.49%
As 188.979†	78.6	0.2716	mg/L	0.00128	0.2716	mg/L	0.00128	0.47%
B 182.528†	42.0	0.0873	mg/L	0.00324	0.0873	mg/L	0.00324	3.71%
B 249.677†	93.1	0.0565	mg/L	0.00297	0.0565	mg/L	0.00297	5.26%
Ba 233.527†	73627.5	1.017	mg/L	0.0040	1.017	mg/L	0.0040	0.39%
Be 313.107†	9874.3	0.0058	mg/L	0.00003	0.0058	mg/L	0.00003	0.52%
Ca 315.887†	6893162.6	64.92	mg/L	0.413	64.92	mg/L	0.413	0.64%
Cd 228.802†	759.9	0.0264	mg/L	0.00006	0.0264	mg/L	0.00006	0.21%
Co 228.616†	5756.0	0.1287	mg/L	0.00066	0.1287	mg/L	0.00066	0.51%
Cr 267.716†	34864.3	0.3808	mg/L	0.00175	0.3808	mg/L	0.00175	0.46%
Cu 324.752†	211831.1	1.195	mg/L	0.0035	1.195	mg/L	0.0035	0.29%
Fe 234.349†	479776.4	411.2	mg/L	2.57	411.2	mg/L	2.57	0.63%
Fe 238.204†	31881465.1	269.4	mg/L	1.41	269.4	mg/L	1.41	0.52%
K 766.490†	41303.1	22.41	mg/L	0.007	22.41	mg/L	0.007	0.03%
Li 670.784†	8470.6	0.2622	mg/L	0.00017	0.2622	mg/L	0.00017	0.07%
Mg 279.077†	719361.6	63.42	mg/L	0.235	63.42	mg/L	0.235	0.37%
Mn 257.610†	2660377.6	4.701	mg/L	0.0191	4.701	mg/L	0.0191	0.41%
Mo 202.031†	1056.2	-0.0727	mg/L	0.00157	-0.0727	mg/L	0.00157	2.16%
Na 589.592†	40817.5	6.778	mg/L	0.0039	6.778	mg/L	0.0039	0.06%
Ni 231.604†	8538.7	0.2989	mg/L	0.00078	0.2989	mg/L	0.00078	0.26%
P 214.914†	15332.2	10.10	mg/L	0.027	10.10	mg/L	0.027	0.27%

Pb 220.353†	19954.1	1.679 mg/L	0.0013	1.679 mg/L	0.0013	0.08%
Sb 206.836†	68.1	-0.1259 mg/L	0.00113	-0.1259 mg/L	0.00113	0.90%
Se 196.026†	-109.8	0.0672 mg/L	0.00725	0.0672 mg/L	0.00725	10.79%
Sn 189.927†	81.4	1.218 mg/L	0.0057	1.218 mg/L	0.0057	0.47%
Sr 407.771†	267496.4	0.2811 mg/L	0.00162	0.2811 mg/L	0.00162	0.58%
Ti 337.279†	4711805.0	6.665 mg/L	0.0301	6.665 mg/L	0.0301	0.45%
Tl 190.801†	4.0	-0.2459 mg/L	0.00656	-0.2459 mg/L	0.00656	2.67%
V 292.402†	81507.1	0.4279 mg/L	0.00121	0.4279 mg/L	0.00121	0.28%
Zn 213.857†	293076.3	3.146 mg/L	0.0076	3.146 mg/L	0.0076	0.24%

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Sequence No.: 104                               Autosampler Location: 94
Sample ID: CJ20516-DUP2                       Date Collected: 10/6/2012 11:03:31 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
=====

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Replicate Data: CJ20516-DUP2							
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time	
1	B 249.677†	205.7	164.0	0.0978 mg/L	0.0978 mg/L	23:05:16	
1	Fe 234.349†	424602.2	347187.0	297.5 mg/L	297.5 mg/L	23:05:14	
1	K 766.490†	61386.8	50024.9	27.10 mg/L	27.10 mg/L	23:05:16	
1	Li 670.784†	10700.1	8924.5	0.2763 mg/L	0.2763 mg/L	23:05:16	
1	Na 589.592†	64977.7	52979.2	8.767 mg/L	8.767 mg/L	23:05:16	
1	Sr 407.771†	395306.1	323095.9	0.3394 mg/L	0.3394 mg/L	23:05:14	
1	Y 371.029	3029375.6	3029375.6	1.22 mg/L		23:05:30	
1	Ag 328.068†	-830.5	-2063.3	0.0039 mg/L	0.0039 mg/L	23:05:32	
1	Al 237.313†	1382295.9	1130378.7	145.9 mg/L	145.9 mg/L	23:05:30	
1	As 188.979†	124.8	99.1	0.2493 mg/L	0.2493 mg/L	23:05:43	
1	B 182.528†	70.1	54.6	0.1120 mg/L	0.1120 mg/L	23:05:43	
1	Ba 233.527†	148445.0	121432.3	1.678 mg/L	1.678 mg/L	23:05:32	
1	Be 313.107†	13647.5	11674.9	0.0069 mg/L	0.0069 mg/L	23:05:32	
1	Ca 315.887†	11474750.3	9382318.2	88.37 mg/L	88.37 mg/L	23:05:27	
1	Cd 228.802†	1444.7	1118.5	0.0390 mg/L	0.0390 mg/L	23:05:43	
1	Co 228.616†	7152.6	5913.3	0.1306 mg/L	0.1306 mg/L	23:05:43	
1	Cr 267.716†	49694.7	40225.1	0.4399 mg/L	0.4399 mg/L	23:05:32	
1	Cu 324.752†	330380.5	268906.4	1.517 mg/L	1.517 mg/L	23:05:32	
1	Fe 238.204†	31025854.4	25368512.7	214.4 mg/L	214.4 mg/L	23:05:27	
1	Mg 279.077†	972177.3	794777.8	70.07 mg/L	70.07 mg/L	23:05:30	
1	Mn 257.610†	3088380.5	2524083.9	4.460 mg/L	4.460 mg/L	23:05:30	
1	Mo 202.031†	1561.4	1249.6	-0.0273 mg/L	-0.0273 mg/L	23:05:43	
1	Ni 231.604†	10977.6	8994.8	0.3151 mg/L	0.3151 mg/L	23:05:43	
1	P 214.914†	32736.5	26424.7	16.42 mg/L	16.42 mg/L	23:05:43	
1	Pb 220.353†	33060.2	26973.9	2.279 mg/L	2.279 mg/L	23:05:43	
1	Sb 206.836†	125.5	65.8	-0.0773 mg/L	-0.0773 mg/L	23:05:43	
1	Se 196.026†	-104.4	-85.5	0.0424 mg/L	0.0424 mg/L	23:05:43	
1	Sn 189.927†	55.1	42.2	0.8768 mg/L	0.8768 mg/L	23:05:43	
1	Ti 337.279†	6673348.5	5457004.2	7.720 mg/L	7.720 mg/L	23:05:30	
1	Tl 190.801†	12.8	8.4	-0.1800 mg/L	-0.1800 mg/L	23:05:43	
1	V 292.402†	112828.8	92938.9	0.5206 mg/L	0.5206 mg/L	23:05:32	
1	Zn 213.857†	416250.6	339551.3	3.645 mg/L	3.645 mg/L	23:05:32	
2	B 249.677†	209.7	168.6	0.1004 mg/L	0.1004 mg/L	23:05:20	
2	Fe 234.349†	436705.4	359630.7	308.2 mg/L	308.2 mg/L	23:05:18	
2	K 766.490†	61612.1	50568.6	27.40 mg/L	27.40 mg/L	23:05:20	
2	Li 670.784†	10680.4	8970.7	0.2777 mg/L	0.2777 mg/L	23:05:20	
2	Na 589.592†	65161.8	53509.8	8.854 mg/L	8.854 mg/L	23:05:20	
2	Sr 407.771†	405488.8	333787.2	0.3506 mg/L	0.3506 mg/L	23:05:18	
2	Y 371.029	3007917.0	3007917.0	1.21 mg/L		23:05:51	
2	Ag 328.068†	-859.5	-2092.0	0.0045 mg/L	0.0045 mg/L	23:05:53	
2	Al 237.313†	1381935.1	1138144.7	146.9 mg/L	146.9 mg/L	23:05:51	
2	As 188.979†	130.8	104.7	0.2607 mg/L	0.2607 mg/L	23:06:03	
2	B 182.528†	62.9	49.1	0.1012 mg/L	0.1012 mg/L	23:06:03	
2	Ba 233.527†	150006.9	123584.4	1.708 mg/L	1.708 mg/L	23:05:53	
2	Be 313.107†	13708.2	11804.5	0.0069 mg/L	0.0069 mg/L	23:05:53	
2	Ca 315.887†	11513788.2	9481400.4	89.30 mg/L	89.30 mg/L	23:05:47	
2	Cd 228.802†	1444.1	1126.4	0.0393 mg/L	0.0393 mg/L	23:06:03	
2	Co 228.616†	7165.0	5965.2	0.1318 mg/L	0.1318 mg/L	23:06:03	
2	Cr 267.716†	50211.3	40940.4	0.4477 mg/L	0.4477 mg/L	23:05:53	
2	Cu 324.752†	334156.3	273943.0	1.545 mg/L	1.545 mg/L	23:05:53	
2	Fe 238.204†	31083438.1	25596913.2	216.3 mg/L	216.3 mg/L	23:05:47	
2	Mg 279.077†	972807.8	800967.9	70.62 mg/L	70.62 mg/L	23:05:51	

2	Mn 257.610†	3088842.0	2542479.1	4.493 mg/L	4.493 mg/L	23:05:51
2	Mo 202.031†	1547.4	1247.2	-0.0307 mg/L	-0.0307 mg/L	23:06:03
2	Ni 231.604†	10943.7	9030.9	0.3164 mg/L	0.3164 mg/L	23:06:03
2	P 214.914†	32797.6	26666.0	16.59 mg/L	16.59 mg/L	23:06:03
2	Pb 220.353†	33065.0	27170.7	2.295 mg/L	2.295 mg/L	23:06:03
2	Sb 206.836†	110.4	54.1	-0.0919 mg/L	-0.0919 mg/L	23:06:03
2	Se 196.026†	-85.2	-70.3	0.0617 mg/L	0.0617 mg/L	23:06:03
2	Sn 189.927†	42.6	32.2	0.9057 mg/L	0.9057 mg/L	23:06:03
2	Ti 337.279†	6679500.5	5500997.4	7.782 mg/L	7.782 mg/L	23:05:51
2	Tl 190.801†	20.4	14.8	-0.1817 mg/L	-0.1817 mg/L	23:06:03
2	V 292.402†	113964.5	94532.3	0.5285 mg/L	0.5285 mg/L	23:05:53
2	Zn 213.857†	421089.4	345964.0	3.714 mg/L	3.714 mg/L	23:05:53

Mean Data: CJ20516-DUP2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3018646.3	1.22	mg/L	0.006			0.50%
Ag 328.068†	-2077.7	0.0042	mg/L	0.00041	0.0042 mg/L	0.00041	9.68%
Al 237.313†	1134261.7	146.4	mg/L	0.71	146.4 mg/L	0.71	0.48%
As 188.979†	101.9	0.2550	mg/L	0.00812	0.2550 mg/L	0.00812	3.18%
B 182.528†	51.9	0.1066	mg/L	0.00762	0.1066 mg/L	0.00762	7.15%
B 249.677†	166.3	0.0991	mg/L	0.00187	0.0991 mg/L	0.00187	1.89%
Ba 233.527†	122508.4	1.693	mg/L	0.0211	1.693 mg/L	0.0211	1.24%
Be 313.107†	11739.7	0.0069	mg/L	0.00006	0.0069 mg/L	0.00006	0.80%
Ca 315.887†	9431859.3	88.84	mg/L	0.660	88.84 mg/L	0.660	0.74%
Cd 228.802†	1122.4	0.0391	mg/L	0.00018	0.0391 mg/L	0.00018	0.45%
Co 228.616†	5939.2	0.1312	mg/L	0.00083	0.1312 mg/L	0.00083	0.64%
Cr 267.716†	40582.8	0.4438	mg/L	0.00557	0.4438 mg/L	0.00557	1.25%
Cu 324.752†	271424.7	1.531	mg/L	0.0201	1.531 mg/L	0.0201	1.31%
Fe 234.349†	353408.8	302.9	mg/L	7.54	302.9 mg/L	7.54	2.49%
Fe 238.204†	25482712.9	215.4	mg/L	1.37	215.4 mg/L	1.37	0.63%
K 766.490†	50296.7	27.25	mg/L	0.207	27.25 mg/L	0.207	0.76%
Li 670.784†	8947.6	0.2770	mg/L	0.00101	0.2770 mg/L	0.00101	0.36%
Mg 279.077†	797872.8	70.35	mg/L	0.386	70.35 mg/L	0.386	0.55%
Mn 257.610†	2533281.5	4.476	mg/L	0.0230	4.476 mg/L	0.0230	0.51%
Mo 202.031†	1248.4	-0.0290	mg/L	0.00245	-0.0290 mg/L	0.00245	8.45%
Na 589.592†	53244.5	8.811	mg/L	0.0614	8.811 mg/L	0.0614	0.70%
Ni 231.604†	9012.8	0.3157	mg/L	0.00090	0.3157 mg/L	0.00090	0.29%
P 214.914†	26545.3	16.51	mg/L	0.119	16.51 mg/L	0.119	0.72%
Pb 220.353†	27072.3	2.287	mg/L	0.0117	2.287 mg/L	0.0117	0.51%
Sb 206.836†	60.0	-0.0846	mg/L	0.01030	-0.0846 mg/L	0.01030	12.17%
Se 196.026†	-77.9	0.0521	mg/L	0.01364	0.0521 mg/L	0.01364	26.20%
Sn 189.927†	37.2	0.8913	mg/L	0.02045	0.8913 mg/L	0.02045	2.29%
Sr 407.771†	328441.5	0.3450	mg/L	0.00793	0.3450 mg/L	0.00793	2.30%
Ti 337.279†	5479000.8	7.751	mg/L	0.0440	7.751 mg/L	0.0440	0.57%
Tl 190.801†	11.6	-0.1809	mg/L	0.00120	-0.1809 mg/L	0.00120	0.67%
V 292.402†	93735.6	0.5246	mg/L	0.00563	0.5246 mg/L	0.00563	1.07%
Zn 213.857†	342757.6	3.679	mg/L	0.0487	3.679 mg/L	0.0487	1.32%

Sequence No.: 105

Sample ID: CJ20516-MS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 95

Date Collected: 10/6/2012 11:07:40 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1454.2	1193.7	0.6964 mg/L	0.6964 mg/L	23:09:22
1	Fe 234.349†	473084.1	389699.1	334.0 mg/L	334.0 mg/L	23:09:20
1	K 766.490†	136883.1	112585.9	60.75 mg/L	60.75 mg/L	23:09:20
1	Li 670.784†	30150.1	25011.0	0.7732 mg/L	0.7732 mg/L	23:09:22
1	Na 589.592†	213917.7	176059.7	28.90 mg/L	28.90 mg/L	23:09:20
1	Sr 407.771†	458810.4	377804.7	0.3968 mg/L	0.3968 mg/L	23:09:20
1	Y 371.029	3007062.1	3007062.1	1.21 mg/L		23:09:37
1	Ag 328.068†	29309.0	22758.5	0.2180 mg/L	0.2180 mg/L	23:09:40
1	Al 237.313†	1686630.7	1389455.1	179.4 mg/L	179.4 mg/L	23:09:37
1	As 188.979†	516.5	422.5	0.6674 mg/L	0.6674 mg/L	23:09:50
1	B 182.528†	479.1	392.0	0.7703 mg/L	0.7703 mg/L	23:09:50
1	Ba 233.527†	384914.0	317119.5	4.386 mg/L	4.386 mg/L	23:09:40

1	Be	313.107†	92799.5	76957.6	0.0459	mg/L	0.0459	mg/L	23:09:40
1	Ca	315.887†	7835140.8	6453885.5	60.79	mg/L	60.79	mg/L	23:09:34
1	Cd	228.802†	7146.0	5823.6	0.2039	mg/L	0.2039	mg/L	23:09:50
1	Co	228.616†	26334.7	21757.5	0.5232	mg/L	0.5232	mg/L	23:09:50
1	Cr	267.716†	91105.7	74638.1	0.8192	mg/L	0.8192	mg/L	23:09:40
1	Cu	324.752†	276359.1	226411.9	1.280	mg/L	1.280	mg/L	23:09:40
1	Fe	238.204†	32520277.6	26787758.0	226.4	mg/L	226.4	mg/L	23:09:34
1	Mg	279.077†	1198105.7	986780.2	87.01	mg/L	87.01	mg/L	23:09:37
1	Mn	257.610†	4469668.5	3680630.0	6.505	mg/L	6.505	mg/L	23:09:37
1	Mo	202.031†	9131.2	7494.5	0.2945	mg/L	0.2945	mg/L	23:09:50
1	Ni	231.604†	25515.0	21036.3	0.7423	mg/L	0.7423	mg/L	23:09:40
1	P	214.914†	26238.9	21271.0	13.44	mg/L	13.44	mg/L	23:09:50
1	Pb	220.353†	24839.9	20403.2	1.704	mg/L	1.704	mg/L	23:09:50
1	Sb	206.836†	326.9	232.5	0.0473	mg/L	0.0473	mg/L	23:09:50
1	Se	196.026†	921.0	758.6	0.8764	mg/L	0.8764	mg/L	23:09:50
1	Sn	189.927†	2272.2	1868.9	1.396	mg/L	1.396	mg/L	23:09:50
1	Ti	337.279†	9000254.9	7414235.3	10.49	mg/L	10.49	mg/L	23:09:34
1	Tl	190.801†	642.0	526.8	0.1551	mg/L	0.1551	mg/L	23:09:50
1	V	292.402†	190602.6	157688.1	0.9217	mg/L	0.9217	mg/L	23:09:40
1	Zn	213.857†	303663.7	249335.6	2.673	mg/L	2.673	mg/L	23:09:40
2	B	249.677†	1442.1	1174.8	0.6854	mg/L	0.6854	mg/L	23:09:27
2	Fe	234.349†	467803.6	382457.6	327.8	mg/L	327.8	mg/L	23:09:25
2	K	766.490†	135709.6	110780.4	59.78	mg/L	59.78	mg/L	23:09:25
2	Li	670.784†	30139.7	24816.1	0.7671	mg/L	0.7671	mg/L	23:09:27
2	Na	589.592†	212350.8	173456.3	28.47	mg/L	28.47	mg/L	23:09:25
2	Sr	407.771†	454942.5	371806.3	0.3905	mg/L	0.3905	mg/L	23:09:25
2	Y	371.029	3029799.6	3029799.6	1.22	mg/L	1.22	mg/L	23:09:59
2	Ag	328.068†	29593.0	22809.5	0.2180	mg/L	0.2180	mg/L	23:10:01
2	Al	237.313†	1709230.3	1397505.0	180.4	mg/L	180.4	mg/L	23:09:59
2	As	188.979†	522.0	423.7	0.6664	mg/L	0.6664	mg/L	23:10:11
2	B	182.528†	479.9	389.7	0.7659	mg/L	0.7659	mg/L	23:10:11
2	Ba	233.527†	389191.7	318237.2	4.401	mg/L	4.401	mg/L	23:10:01
2	Be	313.107†	94195.0	77524.7	0.0462	mg/L	0.0462	mg/L	23:10:01
2	Ca	315.887†	7852793.1	6419881.9	60.47	mg/L	60.47	mg/L	23:09:55
2	Cd	228.802†	7131.0	5767.1	0.2019	mg/L	0.2019	mg/L	23:10:11
2	Co	228.616†	26341.7	21600.4	0.5194	mg/L	0.5194	mg/L	23:10:11
2	Cr	267.716†	92163.6	74939.8	0.8226	mg/L	0.8226	mg/L	23:10:01
2	Cu	324.752†	280232.0	227869.8	1.288	mg/L	1.288	mg/L	23:10:01
2	Fe	238.204†	32576846.4	26632972.1	225.1	mg/L	225.1	mg/L	23:09:55
2	Mg	279.077†	1214264.7	992584.5	87.53	mg/L	87.53	mg/L	23:09:59
2	Mn	257.610†	4524096.0	3697496.5	6.535	mg/L	6.535	mg/L	23:09:59
2	Mo	202.031†	9130.7	7437.7	0.2934	mg/L	0.2934	mg/L	23:10:11
2	Ni	231.604†	25807.9	21118.0	0.7452	mg/L	0.7452	mg/L	23:10:01
2	P	214.914†	26154.4	21039.7	13.29	mg/L	13.29	mg/L	23:10:11
2	Pb	220.353†	24768.3	20191.1	1.685	mg/L	1.685	mg/L	23:10:11
2	Sb	206.836†	319.9	224.7	0.0435	mg/L	0.0435	mg/L	23:10:11
2	Se	196.026†	908.6	742.7	0.8584	mg/L	0.8584	mg/L	23:10:11
2	Sn	189.927†	2268.2	1851.5	1.374	mg/L	1.374	mg/L	23:10:11
2	Ti	337.279†	9011637.8	7367903.7	10.42	mg/L	10.42	mg/L	23:09:55
2	Tl	190.801†	647.1	527.1	0.1589	mg/L	0.1589	mg/L	23:10:11
2	V	292.402†	192667.9	158198.3	0.9261	mg/L	0.9261	mg/L	23:10:01
2	Zn	213.857†	307707.8	250764.7	2.689	mg/L	2.689	mg/L	23:10:01

Mean Data: CJ20516-MS2

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Units		
Y 371.029	3018430.8	1.22	mg/L	0.006				0.53%
Ag 328.068†	22784.0	0.2180	mg/L	0.00003	0.2180	mg/L	0.00003	0.01%
Al 237.313†	1393480.0	179.9	mg/L	0.73	179.9	mg/L	0.73	0.41%
As 188.979†	423.1	0.6669	mg/L	0.00075	0.6669	mg/L	0.00075	0.11%
B 182.528†	390.9	0.7681	mg/L	0.00310	0.7681	mg/L	0.00310	0.40%
B 249.677†	1184.3	0.6909	mg/L	0.00779	0.6909	mg/L	0.00779	1.13%
Ba 233.527†	317678.3	4.394	mg/L	0.0109	4.394	mg/L	0.0109	0.25%
Be 313.107†	77241.2	0.0461	mg/L	0.00024	0.0461	mg/L	0.00024	0.52%
Ca 315.887†	6436883.7	60.63	mg/L	0.226	60.63	mg/L	0.226	0.37%
Cd 228.802†	5795.4	0.2029	mg/L	0.00142	0.2029	mg/L	0.00142	0.70%
Co 228.616†	21679.0	0.5213	mg/L	0.00270	0.5213	mg/L	0.00270	0.52%
Cr 267.716†	74788.9	0.8209	mg/L	0.00235	0.8209	mg/L	0.00235	0.29%
Cu 324.752†	227140.9	1.284	mg/L	0.0058	1.284	mg/L	0.0058	0.45%
Fe 234.349†	386078.3	330.9	mg/L	4.39	330.9	mg/L	4.39	1.33%
Fe 238.204†	26710365.1	225.7	mg/L	0.93	225.7	mg/L	0.93	0.41%
K 766.490†	111683.1	60.27	mg/L	0.687	60.27	mg/L	0.687	1.14%

Li 670.784†	24913.5	0.7701 mg/L	0.00426	0.7701 mg/L	0.00426	0.55%
Mg 279.077†	989682.4	87.27 mg/L	0.362	87.27 mg/L	0.362	0.41%
Mn 257.610†	3689063.2	6.520 mg/L	0.0211	6.520 mg/L	0.0211	0.32%
Mo 202.031†	7466.1	0.2940 mg/L	0.00078	0.2940 mg/L	0.00078	0.27%
Na 589.592†	174758.0	28.69 mg/L	0.301	28.69 mg/L	0.301	1.05%
Ni 231.604†	21077.1	0.7438 mg/L	0.00204	0.7438 mg/L	0.00204	0.27%
P 214.914†	21155.4	13.37 mg/L	0.108	13.37 mg/L	0.108	0.81%
Pb 220.353†	20297.2	1.694 mg/L	0.0132	1.694 mg/L	0.0132	0.78%
Sb 206.836†	228.6	0.0454 mg/L	0.00268	0.0454 mg/L	0.00268	5.91%
Se 196.026†	750.6	0.8674 mg/L	0.01273	0.8674 mg/L	0.01273	1.47%
Sn 189.927†	1860.2	1.385 mg/L	0.0156	1.385 mg/L	0.0156	1.13%
Sr 407.771†	374805.5	0.3936 mg/L	0.00445	0.3936 mg/L	0.00445	1.13%
Ti 337.279†	7391069.5	10.46 mg/L	0.046	10.46 mg/L	0.046	0.44%
Tl 190.801†	526.9	0.1570 mg/L	0.00267	0.1570 mg/L	0.00267	1.70%
V 292.402†	157943.2	0.9239 mg/L	0.00313	0.9239 mg/L	0.00313	0.34%
Zn 213.857†	250050.2	2.681 mg/L	0.0108	2.681 mg/L	0.0108	0.40%

Sequence No.: 106

Autosampler Location: 96

Sample ID: CJ20516-SD2 @5

Date Collected: 10/6/2012 11:11:49 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ20516-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	36.0	25.7	0.0175 mg/L	0.0175 mg/L	23:13:41
1	Fe 234.349†	140814.7	116700.9	100.0 mg/L	100.0 mg/L	23:13:31
1	K 766.490†	11132.2	9056.7	5.069 mg/L	5.069 mg/L	23:13:41
1	Li 670.784†	2020.4	1849.8	0.0577 mg/L	0.0577 mg/L	23:13:41
1	Na 589.592†	11550.5	9421.5	1.642 mg/L	1.642 mg/L	23:13:31
1	Sr 407.771†	76628.8	63372.4	0.0669 mg/L	0.0669 mg/L	23:13:31
1	Y 371.029	2988974.5	2988974.5	1.21 mg/L	1.21 mg/L	23:14:01
1	Ag 328.068†	697.8	-805.9	-0.0007 mg/L	-0.0007 mg/L	23:14:03
1	Al 237.313†	271676.9	225270.0	29.08 mg/L	29.08 mg/L	23:14:03
1	As 188.979†	20.9	14.3	0.0613 mg/L	0.0613 mg/L	23:14:14
1	B 182.528†	12.6	7.8	0.0206 mg/L	0.0206 mg/L	23:14:14
1	Ba 233.527†	21017.5	17471.9	0.2398 mg/L	0.2398 mg/L	23:14:03
1	Be 313.107†	2282.8	2407.6	0.0013 mg/L	0.0013 mg/L	23:14:03
1	Ca 315.887†	1983355.8	1643483.6	15.47 mg/L	15.47 mg/L	23:14:01
1	Cd 228.802†	291.6	178.8	0.0062 mg/L	0.0062 mg/L	23:14:14
1	Co 228.616†	1585.7	1378.9	0.0289 mg/L	0.0289 mg/L	23:14:14
1	Cr 267.716†	10233.0	8071.9	0.0857 mg/L	0.0857 mg/L	23:14:03
1	Cu 324.752†	58946.0	47616.2	0.2660 mg/L	0.2660 mg/L	23:14:03
1	Fe 238.204†	12157197.5	10074687.2	85.14 mg/L	85.14 mg/L	23:13:58
1	Mg 279.077†	208795.9	172897.3	15.21 mg/L	15.21 mg/L	23:14:03
1	Mn 257.610†	754902.8	624430.6	1.101 mg/L	1.101 mg/L	23:14:01
1	Mo 202.031†	363.5	274.1	-0.0169 mg/L	-0.0169 mg/L	23:14:14
1	Ni 231.604†	2427.1	2030.2	0.0682 mg/L	0.0682 mg/L	23:14:14
1	P 214.914†	4628.4	3493.0	2.337 mg/L	2.337 mg/L	23:14:14
1	Pb 220.353†	5787.6	4738.1	0.3960 mg/L	0.3960 mg/L	23:14:14
1	Sb 206.836†	62.2	14.8	-0.0330 mg/L	-0.0330 mg/L	23:14:14
1	Se 196.026†	-25.9	-21.6	0.0202 mg/L	0.0202 mg/L	23:14:14
1	Sn 189.927†	-79.2	-68.5	0.2743 mg/L	0.2743 mg/L	23:14:14
1	Ti 337.279†	1286480.4	1066583.9	1.507 mg/L	1.507 mg/L	23:14:01
1	Tl 190.801†	9.2	5.6	-0.0598 mg/L	-0.0598 mg/L	23:14:14
1	V 292.402†	21831.7	18775.3	0.0959 mg/L	0.0959 mg/L	23:14:03
1	Zn 213.857†	85631.7	70163.1	0.7524 mg/L	0.7524 mg/L	23:14:03
2	B 249.677†	31.4	21.9	0.0153 mg/L	0.0153 mg/L	23:13:54
2	Fe 234.349†	137850.3	114260.0	97.95 mg/L	97.95 mg/L	23:13:44
2	K 766.490†	11063.4	9000.9	5.039 mg/L	5.039 mg/L	23:13:54
2	Li 670.784†	2018.3	1848.3	0.0577 mg/L	0.0577 mg/L	23:13:54
2	Na 589.592†	11292.3	9208.8	1.608 mg/L	1.608 mg/L	23:13:44
2	Sr 407.771†	75046.4	62069.6	0.0656 mg/L	0.0656 mg/L	23:13:44
2	Y 371.029	2988563.0	2988563.0	1.21 mg/L	1.21 mg/L	23:14:19
2	Ag 328.068†	661.6	-835.9	-0.0011 mg/L	-0.0011 mg/L	23:14:21
2	Al 237.313†	266221.0	220779.0	28.50 mg/L	28.50 mg/L	23:14:21
2	As 188.979†	20.5	14.0	0.0600 mg/L	0.0600 mg/L	23:14:31
2	B 182.528†	19.7	13.7	0.0321 mg/L	0.0321 mg/L	23:14:31
2	Ba 233.527†	20533.7	17073.3	0.2343 mg/L	0.2343 mg/L	23:14:21
2	Be 313.107†	2166.1	2311.1	0.0012 mg/L	0.0012 mg/L	23:14:21

2	Ca	315.887†	1963800.3	1627501.8	15.32 mg/L	15.32 mg/L	23:14:19
2	Cd	228.802†	283.8	172.4	0.0060 mg/L	0.0060 mg/L	23:14:31
2	Co	228.616†	1598.9	1390.1	0.0293 mg/L	0.0293 mg/L	23:14:31
2	Cr	267.716†	10072.1	7939.7	0.0842 mg/L	0.0842 mg/L	23:14:21
2	Cu	324.752†	57606.0	46512.3	0.2598 mg/L	0.2598 mg/L	23:14:21
2	Fe	238.204†	12002820.5	9948122.2	84.07 mg/L	84.07 mg/L	23:14:16
2	Mg	279.077†	204760.6	169576.5	14.92 mg/L	14.92 mg/L	23:14:21
2	Mn	257.610†	747361.0	618265.9	1.090 mg/L	1.090 mg/L	23:14:19
2	Mo	202.031†	350.3	263.2	-0.0169 mg/L	-0.0169 mg/L	23:14:31
2	Ni	231.604†	2419.1	2023.8	0.0680 mg/L	0.0680 mg/L	23:14:31
2	P	214.914†	4606.1	3475.0	2.321 mg/L	2.321 mg/L	23:14:31
2	Pb	220.353†	5761.4	4717.1	0.3943 mg/L	0.3943 mg/L	23:14:31
2	Sb	206.836†	59.9	12.9	-0.0337 mg/L	-0.0337 mg/L	23:14:31
2	Se	196.026†	-26.6	-22.1	0.0188 mg/L	0.0188 mg/L	23:14:31
2	Sn	189.927†	-70.7	-61.5	0.2697 mg/L	0.2697 mg/L	23:14:31
2	Ti	337.279†	1270997.0	1053897.6	1.489 mg/L	1.489 mg/L	23:14:19
2	Tl	190.801†	5.9	2.8	-0.0605 mg/L	-0.0605 mg/L	23:14:31
2	V	292.402†	21331.9	18363.5	0.0938 mg/L	0.0938 mg/L	23:14:21
2	Zn	213.857†	83916.7	68751.4	0.7372 mg/L	0.7372 mg/L	23:14:21

Mean Data: CJ20516-SD2 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2988768.7	1.21	mg/L	0.000				0.01%
Ag 328.068†	-820.9	-0.0009	mg/L	0.00029	-0.0009	mg/L	0.00029	34.06%
Al 237.313†	223024.5	28.79	mg/L	0.410	28.79	mg/L	0.410	1.42%
As 188.979†	14.1	0.0606	mg/L	0.00091	0.0606	mg/L	0.00091	1.50%
B 182.528†	10.8	0.0263	mg/L	0.00817	0.0263	mg/L	0.00817	31.04%
B 249.677†	23.8	0.0164	mg/L	0.00156	0.0164	mg/L	0.00156	9.48%
Ba 233.527†	17272.6	0.2371	mg/L	0.00390	0.2371	mg/L	0.00390	1.64%
Be 313.107†	2359.4	0.0013	mg/L	0.00004	0.0013	mg/L	0.00004	3.25%
Ca 315.887†	1635492.7	15.39	mg/L	0.106	15.39	mg/L	0.106	0.69%
Cd 228.802†	175.6	0.0061	mg/L	0.00016	0.0061	mg/L	0.00016	2.62%
Co 228.616†	1384.5	0.0291	mg/L	0.00022	0.0291	mg/L	0.00022	0.77%
Cr 267.716†	8005.8	0.0850	mg/L	0.00103	0.0850	mg/L	0.00103	1.21%
Cu 324.752†	47064.2	0.2629	mg/L	0.00441	0.2629	mg/L	0.00441	1.68%
Fe 234.349†	115480.5	98.99	mg/L	1.479	98.99	mg/L	1.479	1.49%
Fe 238.204†	10011404.7	84.60	mg/L	0.756	84.60	mg/L	0.756	0.89%
K 766.490†	9028.8	5.054	mg/L	0.0212	5.054	mg/L	0.0212	0.42%
Li 670.784†	1849.0	0.0577	mg/L	0.00003	0.0577	mg/L	0.00003	0.06%
Mg 279.077†	171236.9	15.07	mg/L	0.207	15.07	mg/L	0.207	1.37%
Mn 257.610†	621348.2	1.096	mg/L	0.0077	1.096	mg/L	0.0077	0.70%
Mo 202.031†	268.7	-0.0169	mg/L	0.00005	-0.0169	mg/L	0.00005	0.31%
Na 589.592†	9315.1	1.625	mg/L	0.0246	1.625	mg/L	0.0246	1.51%
Ni 231.604†	2027.0	0.0681	mg/L	0.00016	0.0681	mg/L	0.00016	0.24%
P 214.914†	3484.0	2.329	mg/L	0.0110	2.329	mg/L	0.0110	0.47%
Pb 220.353†	4727.6	0.3951	mg/L	0.00116	0.3951	mg/L	0.00116	0.29%
Sb 206.836†	13.8	-0.0334	mg/L	0.00048	-0.0334	mg/L	0.00048	1.43%
Se 196.026†	-21.8	0.0195	mg/L	0.00100	0.0195	mg/L	0.00100	5.11%
Sn 189.927†	-65.0	0.2720	mg/L	0.00320	0.2720	mg/L	0.00320	1.18%
Sr 407.771†	62721.0	0.0663	mg/L	0.00097	0.0663	mg/L	0.00097	1.46%
Ti 337.279†	1060240.7	1.498	mg/L	0.0127	1.498	mg/L	0.0127	0.85%
Tl 190.801†	4.2	-0.0601	mg/L	0.00050	-0.0601	mg/L	0.00050	0.84%
V 292.402†	18569.4	0.0948	mg/L	0.00154	0.0948	mg/L	0.00154	1.63%
Zn 213.857†	69457.2	0.7448	mg/L	0.01072	0.7448	mg/L	0.01072	1.44%

Sequence No.: 107

Sample ID: CJ20516-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 97

Date Collected: 10/6/2012 11:16:10 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20516-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1088.0	891.5	0.5204	mg/L	0.5204	mg/L	23:17:54
1	Fe 234.349†	590209.2	485911.1	416.5	mg/L	416.5	mg/L	23:17:52
1	K 766.490†	103211.8	84803.1	45.81	mg/L	45.81	mg/L	23:17:52
1	Li 670.784†	29762.1	24677.9	0.7629	mg/L	0.7629	mg/L	23:17:54
1	Na 589.592†	223426.3	183791.0	30.16	mg/L	30.16	mg/L	23:17:52

1	Sr 407.771†	382580.6	314838.6	0.3307 mg/L	0.3307 mg/L	23:17:52
1	Y 371.029	3008717.3	3008717.3	1.21 mg/L		23:18:08
1	Ag 328.068†	34555.3	27064.3	0.2610 mg/L	0.2610 mg/L	23:18:11
1	Al 237.313†	1203282.1	990761.3	127.9 mg/L	127.9 mg/L	23:18:08
1	As 188.979†	588.1	481.2	0.7753 mg/L	0.7753 mg/L	23:18:21
1	B 182.528†	366.1	298.8	0.5884 mg/L	0.5884 mg/L	23:18:21
1	Ba 233.527†	132391.2	109049.0	1.507 mg/L	1.507 mg/L	23:18:11
1	Be 313.107†	102913.4	85242.0	0.0508 mg/L	0.0508 mg/L	23:18:11
1	Ca 315.887†	9046154.3	7447333.8	70.14 mg/L	70.14 mg/L	23:18:05
1	Cd 228.802†	8711.9	7109.4	0.2491 mg/L	0.2491 mg/L	23:18:21
1	Co 228.616†	29114.1	24033.8	0.5871 mg/L	0.5871 mg/L	23:18:21
1	Cr 267.716†	95459.6	78181.2	0.8584 mg/L	0.8584 mg/L	23:18:11
1	Cu 324.752†	362974.2	297594.9	1.678 mg/L	1.678 mg/L	23:18:11
1	Fe 238.204†	39411956.5	32446777.8	274.2 mg/L	274.2 mg/L	23:18:05
1	Mg 279.077†	927604.8	763540.3	67.32 mg/L	67.32 mg/L	23:18:08
1	Mn 257.610†	3524646.1	2900589.8	5.126 mg/L	5.126 mg/L	23:18:08
1	Mo 202.031†	11572.5	9500.2	0.3755 mg/L	0.3755 mg/L	23:18:11
1	Ni 231.604†	26919.6	22181.0	0.7831 mg/L	0.7831 mg/L	23:18:11
1	P 214.914†	28353.9	23000.4	14.66 mg/L	14.66 mg/L	23:18:21
1	Pb 220.353†	30301.1	24888.0	2.103 mg/L	2.103 mg/L	23:18:21
1	Sb 206.836†	831.7	648.0	0.3606 mg/L	0.3606 mg/L	23:18:21
1	Se 196.026†	1086.4	894.3	1.043 mg/L	1.043 mg/L	23:18:21
1	Sn 189.927†	2805.6	2306.9	1.736 mg/L	1.736 mg/L	23:18:21
1	Ti 337.279†	6068441.1	4996463.6	7.068 mg/L	7.068 mg/L	23:18:08
1	Tl 190.801†	758.7	622.7	0.1799 mg/L	0.1799 mg/L	23:18:21
1	V 292.402†	190573.7	157577.9	0.9093 mg/L	0.9093 mg/L	23:18:11
1	Zn 213.857†	410790.6	337393.1	3.619 mg/L	3.619 mg/L	23:18:11
2	B 249.677†	1084.8	895.0	0.5224 mg/L	0.5224 mg/L	23:17:58
2	Fe 234.349†	586085.8	485782.3	416.4 mg/L	416.4 mg/L	23:17:56
2	K 766.490†	102414.7	84717.6	45.76 mg/L	45.76 mg/L	23:17:56
2	Li 670.784†	30224.3	25226.8	0.7798 mg/L	0.7798 mg/L	23:17:58
2	Na 589.592†	221784.3	183675.1	30.15 mg/L	30.15 mg/L	23:17:56
2	Sr 407.771†	379576.9	314480.9	0.3304 mg/L	0.3304 mg/L	23:17:56
2	Y 371.029	2988489.1	2988489.1	1.21 mg/L		23:18:29
2	Ag 328.068†	34340.9	27079.2	0.2611 mg/L	0.2611 mg/L	23:18:31
2	Al 237.313†	1198756.4	993715.5	128.3 mg/L	128.3 mg/L	23:18:29
2	As 188.979†	563.1	463.7	0.7534 mg/L	0.7534 mg/L	23:18:41
2	B 182.528†	361.9	297.3	0.5855 mg/L	0.5855 mg/L	23:18:41
2	Ba 233.527†	131314.9	108894.6	1.504 mg/L	1.504 mg/L	23:18:31
2	Be 313.107†	102444.7	85427.0	0.0509 mg/L	0.0509 mg/L	23:18:31
2	Ca 315.887†	8919171.4	7392494.0	69.63 mg/L	69.63 mg/L	23:18:26
2	Cd 228.802†	8668.5	7122.0	0.2497 mg/L	0.2497 mg/L	23:18:41
2	Co 228.616†	28930.8	24044.2	0.5873 mg/L	0.5873 mg/L	23:18:41
2	Cr 267.716†	94654.7	78046.1	0.8569 mg/L	0.8569 mg/L	23:18:31
2	Cu 324.752†	361882.9	298713.1	1.684 mg/L	1.684 mg/L	23:18:31
2	Fe 238.204†	39025716.1	32346266.6	273.4 mg/L	273.4 mg/L	23:18:26
2	Mg 279.077†	923584.3	765377.0	67.48 mg/L	67.48 mg/L	23:18:29
2	Mn 257.610†	3511165.1	2909057.3	5.141 mg/L	5.141 mg/L	23:18:29
2	Mo 202.031†	11584.4	9574.6	0.3795 mg/L	0.3795 mg/L	23:18:31
2	Ni 231.604†	26770.7	22207.7	0.7840 mg/L	0.7840 mg/L	23:18:31
2	P 214.914†	28106.8	22953.6	14.63 mg/L	14.63 mg/L	23:18:41
2	Pb 220.353†	30085.2	24877.9	2.102 mg/L	2.102 mg/L	23:18:41
2	Sb 206.836†	842.9	661.8	0.3723 mg/L	0.3723 mg/L	23:18:41
2	Se 196.026†	1065.4	883.0	1.032 mg/L	1.032 mg/L	23:18:41
2	Sn 189.927†	2794.4	2313.3	1.738 mg/L	1.738 mg/L	23:18:41
2	Ti 337.279†	6053512.8	5017906.8	7.098 mg/L	7.098 mg/L	23:18:29
2	Tl 190.801†	747.6	617.7	0.1764 mg/L	0.1764 mg/L	23:18:41
2	V 292.402†	189492.3	157743.5	0.9103 mg/L	0.9103 mg/L	23:18:31
2	Zn 213.857†	407854.9	337248.9	3.617 mg/L	3.617 mg/L	23:18:31

Mean Data: CJ20516-PDS2

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	2998603.2	1.21	mg/L	0.006				0.48%
Ag 328.068†	27071.8	0.2610	mg/L	0.00008	0.2610	mg/L	0.00008	0.03%
Al 237.313†	992238.4	128.1	mg/L	0.27	128.1	mg/L	0.27	0.21%
As 188.979†	472.4	0.7644	mg/L	0.01548	0.7644	mg/L	0.01548	2.03%
B 182.528†	298.0	0.5870	mg/L	0.00202	0.5870	mg/L	0.00202	0.34%
B 249.677†	893.3	0.5214	mg/L	0.00142	0.5214	mg/L	0.00142	0.27%
Ba 233.527†	108971.8	1.506	mg/L	0.0015	1.506	mg/L	0.0015	0.10%
Be 313.107†	85334.5	0.0509	mg/L	0.00008	0.0509	mg/L	0.00008	0.15%
Ca 315.887†	7419913.9	69.89	mg/L	0.365	69.89	mg/L	0.365	0.52%

Cd	228.802†	7115.7	0.2494 mg/L	0.00038	0.2494 mg/L	0.00038	0.15%
Co	228.616†	24039.0	0.5872 mg/L	0.00014	0.5872 mg/L	0.00014	0.02%
Cr	267.716†	78113.7	0.8576 mg/L	0.00105	0.8576 mg/L	0.00105	0.12%
Cu	324.752†	298154.0	1.681 mg/L	0.0045	1.681 mg/L	0.0045	0.27%
Fe	234.349†	485846.7	416.4 mg/L	0.08	416.4 mg/L	0.08	0.02%
Fe	238.204†	32396522.2	273.8 mg/L	0.60	273.8 mg/L	0.60	0.22%
K	766.490†	84760.3	45.79 mg/L	0.033	45.79 mg/L	0.033	0.07%
Li	670.784†	24952.4	0.7713 mg/L	0.01199	0.7713 mg/L	0.01199	1.55%
Mg	279.077†	764458.6	67.40 mg/L	0.115	67.40 mg/L	0.115	0.17%
Mn	257.610†	2904823.5	5.133 mg/L	0.0106	5.133 mg/L	0.0106	0.21%
Mo	202.031†	9537.4	0.3775 mg/L	0.00282	0.3775 mg/L	0.00282	0.75%
Na	589.592†	183733.0	30.16 mg/L	0.013	30.16 mg/L	0.013	0.04%
Ni	231.604†	22194.4	0.7835 mg/L	0.00067	0.7835 mg/L	0.00067	0.09%
P	214.914†	22977.0	14.64 mg/L	0.020	14.64 mg/L	0.020	0.14%
Pb	220.353†	24883.0	2.103 mg/L	0.0007	2.103 mg/L	0.0007	0.03%
Sb	206.836†	654.9	0.3664 mg/L	0.00828	0.3664 mg/L	0.00828	2.26%
Se	196.026†	888.6	1.038 mg/L	0.0078	1.038 mg/L	0.0078	0.75%
Sn	189.927†	2310.1	1.737 mg/L	0.0008	1.737 mg/L	0.0008	0.05%
Sr	407.771†	314659.8	0.3305 mg/L	0.00027	0.3305 mg/L	0.00027	0.08%
Ti	337.279†	5007185.2	7.083 mg/L	0.0215	7.083 mg/L	0.0215	0.30%
Tl	190.801†	620.2	0.1782 mg/L	0.00245	0.1782 mg/L	0.00245	1.38%
V	292.402†	157660.7	0.9098 mg/L	0.00074	0.9098 mg/L	0.00074	0.08%
Zn	213.857†	337321.0	3.618 mg/L	0.0011	3.618 mg/L	0.0011	0.03%

Sequence No.: 108

Sample ID: CJ20518-BLK1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 98

Date Collected: 10/6/2012 11:20:20 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	8.0	2.3	0.0040 mg/L	0.0040 mg/L	0.0040 mg/L	23:22:18
1	Fe 234.349†	754.2	618.6	0.5486 mg/L	0.5486 mg/L	0.5486 mg/L	23:22:18
1	K 766.490†	371.3	133.0	0.2687 mg/L	0.2687 mg/L	0.2687 mg/L	23:22:08
1	Li 670.784†	-124.8	74.1	0.0029 mg/L	0.0029 mg/L	0.0029 mg/L	23:22:08
1	Na 589.592†	552.0	297.9	0.1500 mg/L	0.1500 mg/L	0.1500 mg/L	23:22:08
1	Sr 407.771†	788.9	510.0	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	23:22:08
1	Y 371.029	3048496.5	3048496.5	1.23 mg/L	1.23 mg/L	1.23 mg/L	23:22:42
1	Ag 328.068†	1413.6	-235.6	-0.0035 mg/L	-0.0035 mg/L	-0.0035 mg/L	23:22:44
1	Al 237.313†	854.2	821.6	0.0983 mg/L	0.0983 mg/L	0.0983 mg/L	23:22:55
1	As 188.979†	0.2	-2.8	-0.0016 mg/L	-0.0016 mg/L	-0.0016 mg/L	23:22:55
1	B 182.528†	2.2	-0.8	0.0037 mg/L	0.0037 mg/L	0.0037 mg/L	23:22:55
1	Ba 233.527†	127.4	157.9	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	23:22:55
1	Be 313.107†	-443.9	155.1	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	23:22:44
1	Ca 315.887†	17282.8	13891.1	0.1146 mg/L	0.1146 mg/L	0.1146 mg/L	23:22:44
1	Cd 228.802†	88.0	8.7	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	23:22:55
1	Co 228.616†	-55.4	19.9	-0.0022 mg/L	-0.0022 mg/L	-0.0022 mg/L	23:22:55
1	Cr 267.716†	490.4	-9.9	-0.0033 mg/L	-0.0033 mg/L	-0.0033 mg/L	23:22:44
1	Cu 324.752†	2551.4	839.9	0.0014 mg/L	0.0014 mg/L	0.0014 mg/L	23:22:44
1	Fe 238.204†	48757.5	39460.4	0.3218 mg/L	0.3218 mg/L	0.3218 mg/L	23:22:44
1	Mg 279.077†	965.3	649.4	0.0195 mg/L	0.0195 mg/L	0.0195 mg/L	23:22:44
1	Mn 257.610†	5302.0	3139.8	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	23:22:44
1	Mo 202.031†	61.3	22.7	0.0008 mg/L	0.0008 mg/L	0.0008 mg/L	23:22:55
1	Ni 231.604†	8.2	25.4	-0.0029 mg/L	-0.0029 mg/L	-0.0029 mg/L	23:22:55
1	P 214.914†	439.9	14.7	0.0378 mg/L	0.0378 mg/L	0.0378 mg/L	23:22:55
1	Pb 220.353†	95.9	19.8	-0.0022 mg/L	-0.0022 mg/L	-0.0022 mg/L	23:22:55
1	Sb 206.836†	42.7	-2.1	-0.0032 mg/L	-0.0032 mg/L	-0.0032 mg/L	23:22:55
1	Se 196.026†	-0.0	-0.1	-0.0014 mg/L	-0.0014 mg/L	-0.0014 mg/L	23:22:55
1	Sn 189.927†	110.3	86.8	0.0185 mg/L	0.0185 mg/L	0.0185 mg/L	23:22:55
1	Ti 337.279†	5671.0	5067.1	0.0051 mg/L	0.0051 mg/L	0.0051 mg/L	23:22:44
1	Tl 190.801†	4.0	1.2	-0.0039 mg/L	-0.0039 mg/L	-0.0039 mg/L	23:22:55
1	V 292.402†	-560.9	227.3	-0.0008 mg/L	-0.0008 mg/L	-0.0008 mg/L	23:22:44
1	Zn 213.857†	1731.0	605.3	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	23:22:55
2	B 249.677†	9.1	3.3	0.0046 mg/L	0.0046 mg/L	0.0046 mg/L	23:22:38
2	Fe 234.349†	525.0	437.8	0.3937 mg/L	0.3937 mg/L	0.3937 mg/L	23:22:38
2	K 766.490†	328.4	101.6	0.2518 mg/L	0.2518 mg/L	0.2518 mg/L	23:22:28
2	Li 670.784†	-204.1	7.5	0.0008 mg/L	0.0008 mg/L	0.0008 mg/L	23:22:28
2	Na 589.592†	477.3	242.2	0.1409 mg/L	0.1409 mg/L	0.1409 mg/L	23:22:28
2	Sr 407.771†	634.1	390.9	0.0009 mg/L	0.0009 mg/L	0.0009 mg/L	23:22:28

2	Y 371.029	3009836.3	3009836.3	1.22	mg/L			23:22:57
2	Ag 328.068†	1437.9	-200.9	-0.0032	mg/L	-0.0032	mg/L	23:22:59
2	Al 237.313†	828.7	809.5	0.0967	mg/L	0.0967	mg/L	23:23:09
2	As 188.979†	4.8	1.0	0.0030	mg/L	0.0030	mg/L	23:23:09
2	B 182.528†	2.4	-0.6	0.0041	mg/L	0.0041	mg/L	23:23:09
2	Ba 233.527†	127.3	159.1	0.0003	mg/L	0.0003	mg/L	23:23:09
2	Be 313.107†	-404.0	183.4	-0.0001	mg/L	-0.0001	mg/L	23:22:59
2	Ca 315.887†	15846.6	12889.5	0.1052	mg/L	0.1052	mg/L	23:22:59
2	Cd 228.802†	83.4	5.8	0.0002	mg/L	0.0002	mg/L	23:23:09
2	Co 228.616†	-55.4	19.3	-0.0023	mg/L	-0.0023	mg/L	23:23:09
2	Cr 267.716†	478.1	-14.9	-0.0034	mg/L	-0.0034	mg/L	23:22:59
2	Cu 324.752†	2553.2	868.0	0.0016	mg/L	0.0016	mg/L	23:22:59
2	Fe 238.204†	41434.7	33942.9	0.2752	mg/L	0.2752	mg/L	23:22:59
2	Mg 279.077†	860.5	573.3	0.0128	mg/L	0.0128	mg/L	23:22:59
2	Mn 257.610†	4868.0	2838.0	0.0021	mg/L	0.0021	mg/L	23:22:59
2	Mo 202.031†	43.3	8.6	0.0001	mg/L	0.0001	mg/L	23:23:09
2	Ni 231.604†	4.9	22.8	-0.0030	mg/L	-0.0030	mg/L	23:23:09
2	P 214.914†	446.9	25.1	0.0436	mg/L	0.0436	mg/L	23:23:09
2	Pb 220.353†	70.8	0.1	-0.0039	mg/L	-0.0039	mg/L	23:23:09
2	Sb 206.836†	34.3	-8.6	-0.0086	mg/L	-0.0086	mg/L	23:23:09
2	Se 196.026†	6.1	4.9	0.0034	mg/L	0.0034	mg/L	23:23:09
2	Sn 189.927†	113.8	90.8	0.0190	mg/L	0.0190	mg/L	23:23:09
2	Ti 337.279†	5149.4	4697.0	0.0046	mg/L	0.0046	mg/L	23:22:59
2	Tl 190.801†	1.4	-0.9	-0.0053	mg/L	-0.0053	mg/L	23:23:09
2	V 292.402†	-606.0	184.4	-0.0011	mg/L	-0.0011	mg/L	23:22:59
2	Zn 213.857†	1743.3	633.5	0.0057	mg/L	0.0057	mg/L	23:23:09

Mean Data: CJ20518-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3029166.4	1.22	mg/L	0.011				0.90%
Ag 328.068†	-218.3	-0.0033	mg/L	0.00020	-0.0033	mg/L	0.00020	5.99%
Al 237.313†	815.6	0.0975	mg/L	0.00110	0.0975	mg/L	0.00110	1.13%
As 188.979†	-0.9	0.0007	mg/L	0.00326	0.0007	mg/L	0.00326	494.83%
B 182.528†	-0.7	0.0039	mg/L	0.00031	0.0039	mg/L	0.00031	7.92%
B 249.677†	2.8	0.0043	mg/L	0.00041	0.0043	mg/L	0.00041	9.50%
Ba 233.527†	158.5	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	4.19%
Be 313.107†	169.2	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	19.28%
Ca 315.887†	13390.3	0.1099	mg/L	0.00667	0.1099	mg/L	0.00667	6.07%
Cd 228.802†	7.3	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	38.06%
Co 228.616†	19.6	-0.0023	mg/L	0.00001	-0.0023	mg/L	0.00001	0.44%
Cr 267.716†	-12.4	-0.0033	mg/L	0.00004	-0.0033	mg/L	0.00004	1.19%
Cu 324.752†	854.0	0.0015	mg/L	0.00011	0.0015	mg/L	0.00011	7.49%
Fe 234.349†	528.2	0.4712	mg/L	0.10958	0.4712	mg/L	0.10958	23.26%
Fe 238.204†	36701.6	0.2985	mg/L	0.03298	0.2985	mg/L	0.03298	11.05%
K 766.490†	117.3	0.2603	mg/L	0.01195	0.2603	mg/L	0.01195	4.59%
Li 670.784†	40.8	0.0018	mg/L	0.00145	0.0018	mg/L	0.00145	78.87%
Mg 279.077†	611.4	0.0161	mg/L	0.00475	0.0161	mg/L	0.00475	29.45%
Mn 257.610†	2988.9	0.0024	mg/L	0.00038	0.0024	mg/L	0.00038	15.69%
Mo 202.031†	15.6	0.0004	mg/L	0.00050	0.0004	mg/L	0.00050	111.10%
Na 589.592†	270.1	0.1455	mg/L	0.00644	0.1455	mg/L	0.00644	4.43%
Ni 231.604†	24.1	-0.0029	mg/L	0.00007	-0.0029	mg/L	0.00007	2.30%
P 214.914†	19.9	0.0407	mg/L	0.00412	0.0407	mg/L	0.00412	10.13%
Pb 220.353†	9.9	-0.0031	mg/L	0.00120	-0.0031	mg/L	0.00120	39.17%
Sb 206.836†	-5.4	-0.0059	mg/L	0.00382	-0.0059	mg/L	0.00382	64.86%
Se 196.026†	2.4	0.0010	mg/L	0.00339	0.0010	mg/L	0.00339	326.53%
Sn 189.927†	88.8	0.0188	mg/L	0.00032	0.0188	mg/L	0.00032	1.71%
Sr 407.771†	450.5	0.0009	mg/L	0.00009	0.0009	mg/L	0.00009	9.52%
Ti 337.279†	4882.0	0.0049	mg/L	0.00037	0.0049	mg/L	0.00037	7.63%
Tl 190.801†	0.2	-0.0046	mg/L	0.00099	-0.0046	mg/L	0.00099	21.49%
V 292.402†	205.8	-0.0010	mg/L	0.00017	-0.0010	mg/L	0.00017	18.02%
Zn 213.857†	619.4	0.0056	mg/L	0.00021	0.0056	mg/L	0.00021	3.84%

Sequence No.: 109
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/6/2012 11:24:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	985.9	811.3	0.4740	mg/L	0.4740	mg/L	23:26:38
1	Fe 234.349†	3593.6	2978.1	2.559	mg/L	2.559	mg/L	23:26:38
1	K 766.490†	52791.1	43495.7	23.59	mg/L	23.59	mg/L	23:26:28
1	Li 670.784†	18672.9	15620.1	0.4831	mg/L	0.4831	mg/L	23:26:28
1	Na 589.592†	174086.6	143839.6	23.63	mg/L	23.63	mg/L	23:26:28
1	Sr 407.771†	56299.8	46435.6	0.0492	mg/L	0.0492	mg/L	23:26:28
1	Y 371.029	2994743.7	2994743.7	1.21	mg/L			23:26:54
1	Ag 328.068†	38009.1	30053.8	0.2545	mg/L	0.2545	mg/L	23:26:57
1	Al 237.313†	23462.9	19534.1	2.519	mg/L	2.519	mg/L	23:26:57
1	As 188.979†	505.7	415.3	0.5200	mg/L	0.5200	mg/L	23:27:07
1	B 182.528†	335.1	274.5	0.5411	mg/L	0.5411	mg/L	23:27:07
1	Ba 233.527†	45103.5	37360.3	0.5148	mg/L	0.5148	mg/L	23:26:57
1	Be 313.107†	96946.7	80702.2	0.0481	mg/L	0.0481	mg/L	23:26:57
1	Ca 315.887†	621182.6	513639.5	4.825	mg/L	4.825	mg/L	23:26:54
1	Cd 228.802†	8344.2	6838.8	0.2400	mg/L	0.2400	mg/L	23:27:07
1	Co 228.616†	24150.6	20040.3	0.4998	mg/L	0.4998	mg/L	23:26:57
1	Cr 267.716†	55345.8	45369.1	0.4970	mg/L	0.4970	mg/L	23:26:57
1	Cu 324.752†	109937.4	89697.9	0.5021	mg/L	0.5021	mg/L	23:26:57
1	Fe 238.204†	356770.4	294934.5	2.482	mg/L	2.482	mg/L	23:26:57
1	Mg 279.077†	69218.6	57117.0	5.001	mg/L	5.001	mg/L	23:26:57
1	Mn 257.610†	352100.1	290060.0	0.5101	mg/L	0.5101	mg/L	23:26:57
1	Mo 202.031†	11209.1	9244.1	0.4915	mg/L	0.4915	mg/L	23:27:07
1	Ni 231.604†	18296.3	15152.0	0.5340	mg/L	0.5340	mg/L	23:26:57
1	P 214.914†	10161.9	8062.4	4.818	mg/L	4.818	mg/L	23:27:07
1	Pb 220.353†	6865.4	5620.4	0.4794	mg/L	0.4794	mg/L	23:27:07
1	Sb 206.836†	799.5	624.5	0.5241	mg/L	0.5241	mg/L	23:27:07
1	Se 196.026†	1300.4	1075.5	1.043	mg/L	1.043	mg/L	23:27:07
1	Sn 189.927†	2807.1	2319.0	0.5291	mg/L	0.5291	mg/L	23:27:07
1	Ti 337.279†	417525.6	345802.0	0.4873	mg/L	0.4873	mg/L	23:26:54
1	Tl 190.801†	849.9	700.9	0.4800	mg/L	0.4800	mg/L	23:27:07
1	V 292.402†	96170.9	80227.7	0.5061	mg/L	0.5061	mg/L	23:26:57
1	Zn 213.857†	58907.8	47922.6	0.5103	mg/L	0.5103	mg/L	23:26:57
2	B 249.677†	984.2	819.0	0.4785	mg/L	0.4785	mg/L	23:26:50
2	Fe 234.349†	3571.4	2993.1	2.572	mg/L	2.572	mg/L	23:26:50
2	K 766.490†	51018.2	42505.7	23.06	mg/L	23.06	mg/L	23:26:40
2	Li 670.784†	17962.8	15200.5	0.4701	mg/L	0.4701	mg/L	23:26:40
2	Na 589.592†	168158.4	140506.3	23.08	mg/L	23.08	mg/L	23:26:40
2	Sr 407.771†	54248.5	45245.4	0.0479	mg/L	0.0479	mg/L	23:26:40
2	Y 371.029	2961315.7	2961315.7	1.20	mg/L			23:27:09
2	Ag 328.068†	38085.6	30472.7	0.2580	mg/L	0.2580	mg/L	23:27:12
2	Al 237.313†	23471.2	19760.1	2.548	mg/L	2.548	mg/L	23:27:12
2	As 188.979†	511.0	424.4	0.5314	mg/L	0.5314	mg/L	23:27:22
2	B 182.528†	338.9	280.8	0.5533	mg/L	0.5533	mg/L	23:27:22
2	Ba 233.527†	45321.4	37963.7	0.5232	mg/L	0.5232	mg/L	23:27:12
2	Be 313.107†	96785.1	81472.2	0.0486	mg/L	0.0486	mg/L	23:27:12
2	Ca 315.887†	618109.1	516868.4	4.855	mg/L	4.855	mg/L	23:27:09
2	Cd 228.802†	8374.8	6942.3	0.2436	mg/L	0.2436	mg/L	23:27:22
2	Co 228.616†	24121.2	20241.1	0.5048	mg/L	0.5048	mg/L	23:27:12
2	Cr 267.716†	55444.4	45968.4	0.5036	mg/L	0.5036	mg/L	23:27:12
2	Cu 324.752†	109710.5	90534.6	0.5069	mg/L	0.5069	mg/L	23:27:12
2	Fe 238.204†	355550.7	297245.3	2.501	mg/L	2.501	mg/L	23:27:12
2	Mg 279.077†	69294.0	57826.4	5.064	mg/L	5.064	mg/L	23:27:12
2	Mn 257.610†	351335.3	292707.8	0.5148	mg/L	0.5148	mg/L	23:27:12
2	Mo 202.031†	11281.0	9408.9	0.5002	mg/L	0.5002	mg/L	23:27:22
2	Ni 231.604†	18284.0	15312.5	0.5397	mg/L	0.5397	mg/L	23:27:12
2	P 214.914†	10204.5	8192.9	4.895	mg/L	4.895	mg/L	23:27:22
2	Pb 220.353†	6919.2	5729.5	0.4888	mg/L	0.4888	mg/L	23:27:22
2	Sb 206.836†	797.3	630.1	0.5289	mg/L	0.5289	mg/L	23:27:22
2	Se 196.026†	1299.7	1087.1	1.054	mg/L	1.054	mg/L	23:27:22
2	Sn 189.927†	2801.4	2340.4	0.5340	mg/L	0.5340	mg/L	23:27:22
2	Ti 337.279†	416114.7	348520.2	0.4911	mg/L	0.4911	mg/L	23:27:09
2	Tl 190.801†	852.8	711.3	0.4872	mg/L	0.4872	mg/L	23:27:22
2	V 292.402†	96138.5	81098.5	0.5117	mg/L	0.5117	mg/L	23:27:12
2	Zn 213.857†	58751.4	48341.7	0.5148	mg/L	0.5148	mg/L	23:27:12

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2978029.7	1.20	mg/L	0.010				0.79%
Ag 328.068†	30263.2	0.2562	mg/L	0.00252	0.2562	mg/L	0.00252	0.98%

QC value within limits for Ag	328.068	Recovery = 102.49%				
Al 237.313†	19647.1	2.534 mg/L	0.0207	2.534 mg/L	0.0207	0.82%
QC value within limits for Al	237.313	Recovery = 101.36%				
As 188.979†	419.9	0.5257 mg/L	0.00806	0.5257 mg/L	0.00806	1.53%
QC value within limits for As	188.979	Recovery = 105.14%				
B 182.528†	277.7	0.5472 mg/L	0.00866	0.5472 mg/L	0.00866	1.58%
QC value within limits for B	182.528	Recovery = 109.44%				
B 249.677†	815.2	0.4762 mg/L	0.00317	0.4762 mg/L	0.00317	0.67%
QC value within limits for B	249.677	Recovery = 95.24%				
Ba 233.527†	37662.0	0.5190 mg/L	0.00590	0.5190 mg/L	0.00590	1.14%
QC value within limits for Ba	233.527	Recovery = 103.80%				
Be 313.107†	81087.2	0.0483 mg/L	0.00033	0.0483 mg/L	0.00033	0.67%
QC value within limits for Be	313.107	Recovery = 96.64%				
Ca 315.887†	515253.9	4.840 mg/L	0.0215	4.840 mg/L	0.0215	0.44%
QC value within limits for Ca	315.887	Recovery = 96.80%				
Cd 228.802†	6890.6	0.2418 mg/L	0.00256	0.2418 mg/L	0.00256	1.06%
QC value within limits for Cd	228.802	Recovery = 96.70%				
Co 228.616†	20140.7	0.5023 mg/L	0.00356	0.5023 mg/L	0.00356	0.71%
QC value within limits for Co	228.616	Recovery = 100.45%				
Cr 267.716†	45668.7	0.5003 mg/L	0.00467	0.5003 mg/L	0.00467	0.93%
QC value within limits for Cr	267.716	Recovery = 100.07%				
Cu 324.752†	90116.3	0.5045 mg/L	0.00333	0.5045 mg/L	0.00333	0.66%
QC value within limits for Cu	324.752	Recovery = 100.90%				
Fe 234.349†	2985.6	2.566 mg/L	0.0090	2.566 mg/L	0.0090	0.35%
QC value within limits for Fe	234.349	Recovery = 102.63%				
Fe 238.204†	296089.9	2.491 mg/L	0.0138	2.491 mg/L	0.0138	0.55%
QC value within limits for Fe	238.204	Recovery = 99.66%				
K 766.490†	43000.7	23.33 mg/L	0.377	23.33 mg/L	0.377	1.61%
QC value within limits for K	766.490	Recovery = 93.30%				
Li 670.784†	15410.3	0.4766 mg/L	0.00916	0.4766 mg/L	0.00916	1.92%
QC value within limits for Li	670.784	Recovery = 95.32%				
Mg 279.077†	57471.7	5.033 mg/L	0.0443	5.033 mg/L	0.0443	0.88%
QC value within limits for Mg	279.077	Recovery = 100.65%				
Mn 257.610†	291383.9	0.5124 mg/L	0.00331	0.5124 mg/L	0.00331	0.65%
QC value within limits for Mn	257.610	Recovery = 102.49%				
Mo 202.031†	9326.5	0.4959 mg/L	0.00621	0.4959 mg/L	0.00621	1.25%
QC value within limits for Mo	202.031	Recovery = 99.17%				
Na 589.592†	142172.9	23.36 mg/L	0.386	23.36 mg/L	0.386	1.65%
QC value within limits for Na	589.592	Recovery = 93.43%				
Ni 231.604†	15232.3	0.5368 mg/L	0.00403	0.5368 mg/L	0.00403	0.75%
QC value within limits for Ni	231.604	Recovery = 107.36%				
P 214.914†	8127.6	4.857 mg/L	0.0548	4.857 mg/L	0.0548	1.13%
QC value within limits for P	214.914	Recovery = 97.13%				
Pb 220.353†	5674.9	0.4841 mg/L	0.00665	0.4841 mg/L	0.00665	1.37%
QC value within limits for Pb	220.353	Recovery = 96.83%				
Sb 206.836†	627.3	0.5265 mg/L	0.00337	0.5265 mg/L	0.00337	0.64%
QC value within limits for Sb	206.836	Recovery = 105.30%				
Se 196.026†	1081.3	1.048 mg/L	0.0079	1.048 mg/L	0.0079	0.75%
QC value within limits for Se	196.026	Recovery = 104.82%				
Sn 189.927†	2329.7	0.5316 mg/L	0.00345	0.5316 mg/L	0.00345	0.65%
QC value within limits for Sn	189.927	Recovery = 106.31%				
Sr 407.771†	45840.5	0.0485 mg/L	0.00088	0.0485 mg/L	0.00088	1.82%
QC value within limits for Sr	407.771	Recovery = 97.09%				
Ti 337.279†	347161.1	0.4892 mg/L	0.00272	0.4892 mg/L	0.00272	0.56%
QC value within limits for Ti	337.279	Recovery = 97.84%				
Tl 190.801†	706.1	0.4836 mg/L	0.00509	0.4836 mg/L	0.00509	1.05%
QC value within limits for Tl	190.801	Recovery = 96.72%				
V 292.402†	80663.1	0.5089 mg/L	0.00393	0.5089 mg/L	0.00393	0.77%
QC value within limits for V	292.402	Recovery = 101.78%				
Zn 213.857†	48132.1	0.5125 mg/L	0.00316	0.5125 mg/L	0.00316	0.62%
QC value within limits for Zn	213.857	Recovery = 102.51%				

All analyte(s) passed QC.

Sequence No.: 110

Autosampler Location: 1

Sample ID: CCB1

Date Collected: 10/6/2012 11:29:00 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CCB1

Net

Corrected

Calib.

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Sample Analysis

Repl#	Analyte	Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	4.3	-0.7	0.0022 mg/L	0.0022 mg/L	23:30:59
1	Fe 234.349†	9.4	13.4	0.0300 mg/L	0.0300 mg/L	23:30:59
1	K 766.490†	220.3	10.6	0.2029 mg/L	0.2029 mg/L	23:30:49
1	Li 670.784†	-144.1	58.2	0.0024 mg/L	0.0024 mg/L	23:30:49
1	Na 589.592†	320.6	110.4	0.1193 mg/L	0.1193 mg/L	23:30:49
1	Sr 407.771†	225.1	52.3	0.0005 mg/L	0.0005 mg/L	23:30:49
1	Y 371.029	3042855.0	3042855.0	1.23 mg/L		23:31:23
1	Ag 328.068†	1443.0	-209.6	-0.0033 mg/L	-0.0033 mg/L	23:31:26
1	Al 237.313†	-91.8	52.8	-0.0010 mg/L	-0.0010 mg/L	23:31:36
1	As 188.979†	5.9	1.8	0.0038 mg/L	0.0038 mg/L	23:31:36
1	B 182.528†	3.6	0.3	0.0059 mg/L	0.0059 mg/L	23:31:36
1	Ba 233.527†	-17.6	40.1	-0.0014 mg/L	-0.0014 mg/L	23:31:36
1	Be 313.107†	-450.6	149.0	-0.0001 mg/L	-0.0001 mg/L	23:31:26
1	Ca 315.887†	2177.9	1621.2	-0.0010 mg/L	-0.0010 mg/L	23:31:26
1	Cd 228.802†	84.1	5.6	0.0002 mg/L	0.0002 mg/L	23:31:36
1	Co 228.616†	-29.3	41.0	-0.0017 mg/L	-0.0017 mg/L	23:31:36
1	Cr 267.716†	451.7	-40.7	-0.0037 mg/L	-0.0037 mg/L	23:31:26
1	Cu 324.752†	1612.1	79.0	-0.0029 mg/L	-0.0029 mg/L	23:31:26
1	Fe 238.204†	2121.7	1570.4	0.0016 mg/L	0.0016 mg/L	23:31:36
1	Mg 279.077†	253.8	71.7	-0.0315 mg/L	-0.0315 mg/L	23:31:26
1	Mn 257.610†	790.4	-524.8	-0.0038 mg/L	-0.0038 mg/L	23:31:36
1	Mo 202.031†	41.2	6.4	0.0001 mg/L	0.0001 mg/L	23:31:36
1	Ni 231.604†	1.7	20.1	-0.0031 mg/L	-0.0031 mg/L	23:31:36
1	P 214.914†	360.9	-48.9	-0.0012 mg/L	-0.0012 mg/L	23:31:36
1	Pb 220.353†	64.1	-5.9	-0.0044 mg/L	-0.0044 mg/L	23:31:36
1	Sb 206.836†	35.2	-8.2	-0.0081 mg/L	-0.0081 mg/L	23:31:36
1	Se 196.026†	8.8	7.1	0.0054 mg/L	0.0054 mg/L	23:31:36
1	Sn 189.927†	18.8	12.5	0.0002 mg/L	0.0002 mg/L	23:31:36
1	Ti 337.279†	1262.1	1486.5	0.0000 mg/L	0.0000 mg/L	23:31:26
1	Tl 190.801†	2.8	0.3	-0.0043 mg/L	-0.0043 mg/L	23:31:36
1	V 292.402†	-559.3	227.8	-0.0007 mg/L	-0.0007 mg/L	23:31:26
1	Zn 213.857†	1096.7	91.6	-0.0001 mg/L	-0.0001 mg/L	23:31:36
2	B 249.677†	8.9	3.2	0.0045 mg/L	0.0045 mg/L	23:31:20
2	Fe 234.349†	3.8	8.9	0.0261 mg/L	0.0261 mg/L	23:31:20
2	K 766.490†	251.9	37.6	0.2174 mg/L	0.2174 mg/L	23:31:10
2	Li 670.784†	-178.3	29.4	0.0015 mg/L	0.0015 mg/L	23:31:10
2	Na 589.592†	265.4	66.8	0.1122 mg/L	0.1122 mg/L	23:31:10
2	Sr 407.771†	199.1	32.0	0.0005 mg/L	0.0005 mg/L	23:31:10
2	Y 371.029	3024919.9	3024919.9	1.22 mg/L		23:31:38
2	Ag 328.068†	1396.8	-240.4	-0.0036 mg/L	-0.0036 mg/L	23:31:40
2	Al 237.313†	-80.0	62.0	0.0002 mg/L	0.0002 mg/L	23:31:51
2	As 188.979†	-1.9	-4.5	-0.0040 mg/L	-0.0040 mg/L	23:31:51
2	B 182.528†	1.5	-1.4	0.0026 mg/L	0.0026 mg/L	23:31:51
2	Ba 233.527†	-5.3	50.0	-0.0012 mg/L	-0.0012 mg/L	23:31:51
2	Be 313.107†	-374.2	209.4	0.0000 mg/L	0.0000 mg/L	23:31:40
2	Ca 315.887†	657.5	386.6	-0.0126 mg/L	-0.0126 mg/L	23:31:40
2	Cd 228.802†	80.3	2.9	0.0001 mg/L	0.0001 mg/L	23:31:51
2	Co 228.616†	-42.1	30.4	-0.0020 mg/L	-0.0020 mg/L	23:31:51
2	Cr 267.716†	419.2	-65.1	-0.0039 mg/L	-0.0039 mg/L	23:31:40
2	Cu 324.752†	1625.4	97.8	-0.0028 mg/L	-0.0028 mg/L	23:31:40
2	Fe 238.204†	2073.1	1540.9	0.0013 mg/L	0.0013 mg/L	23:31:51
2	Mg 279.077†	231.3	54.5	-0.0330 mg/L	-0.0330 mg/L	23:31:40
2	Mn 257.610†	814.5	-501.2	-0.0038 mg/L	-0.0038 mg/L	23:31:51
2	Mo 202.031†	54.7	17.7	0.0007 mg/L	0.0007 mg/L	23:31:51
2	Ni 231.604†	3.9	22.0	-0.0030 mg/L	-0.0030 mg/L	23:31:51
2	P 214.914†	356.2	-51.0	-0.0025 mg/L	-0.0025 mg/L	23:31:51
2	Pb 220.353†	75.7	3.8	-0.0036 mg/L	-0.0036 mg/L	23:31:51
2	Sb 206.836†	31.4	-11.0	-0.0105 mg/L	-0.0105 mg/L	23:31:51
2	Se 196.026†	2.6	2.0	0.0005 mg/L	0.0005 mg/L	23:31:51
2	Sn 189.927†	15.3	9.7	-0.0004 mg/L	-0.0004 mg/L	23:31:51
2	Ti 337.279†	442.6	821.5	-0.0009 mg/L	-0.0009 mg/L	23:31:40
2	Tl 190.801†	5.3	2.4	-0.0028 mg/L	-0.0028 mg/L	23:31:51
2	V 292.402†	-645.0	154.9	-0.0012 mg/L	-0.0012 mg/L	23:31:40
2	Zn 213.857†	1107.0	105.3	0.0001 mg/L	0.0001 mg/L	23:31:51

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3033887.5	1.22 mg/L	0.005			0.42%
Ag 328.068†	-225.0	-0.0034 mg/L	0.00019	-0.0034 mg/L	0.00019	5.41%

QC value less than the lower limit for Ag 328.068

Recovery = Not calculated

Al	237.313†	57.4	-0.0004 mg/L	0.00084	-0.0004 mg/L	0.00084	216.28%
	QC value within limits for Al 237.313		Recovery = Not calculated				
As	188.979†	-1.4	-0.0001 mg/L	0.00555	-0.0001 mg/L	0.00555	>999.9%
	QC value within limits for As 188.979		Recovery = Not calculated				
B	182.528†	-0.6	0.0042 mg/L	0.00233	0.0042 mg/L	0.00233	54.91%
	QC value within limits for B 182.528		Recovery = Not calculated				
B	249.677†	1.2	0.0034 mg/L	0.00158	0.0034 mg/L	0.00158	47.09%
	QC value within limits for B 249.677		Recovery = Not calculated				
Ba	233.527†	45.1	-0.0013 mg/L	0.00010	-0.0013 mg/L	0.00010	7.59%
	QC value within limits for Ba 233.527		Recovery = Not calculated				
Be	313.107†	179.2	-0.0001 mg/L	0.00003	-0.0001 mg/L	0.00003	45.54%
	QC value within limits for Be 313.107		Recovery = Not calculated				
Ca	315.887†	1003.9	-0.0068 mg/L	0.00823	-0.0068 mg/L	0.00823	121.43%
	QC value within limits for Ca 315.887		Recovery = Not calculated				
Cd	228.802†	4.3	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	35.13%
	QC value within limits for Cd 228.802		Recovery = Not calculated				
Co	228.616†	35.7	-0.0018 mg/L	0.00019	-0.0018 mg/L	0.00019	10.18%
	QC value less than the lower limit for Co 228.616		Recovery = Not calculated				
Cr	267.716†	-52.9	-0.0038 mg/L	0.00019	-0.0038 mg/L	0.00019	5.01%
	QC value within limits for Cr 267.716		Recovery = Not calculated				
Cu	324.752†	88.4	-0.0028 mg/L	0.00007	-0.0028 mg/L	0.00007	2.62%
	QC value within limits for Cu 324.752		Recovery = Not calculated				
Fe	234.349†	11.1	0.0280 mg/L	0.00272	0.0280 mg/L	0.00272	9.71%
	QC value greater than the upper limit for Fe 234.349		Recovery = Not calculated				
Fe	238.204†	1555.7	0.0014 mg/L	0.00018	0.0014 mg/L	0.00018	12.29%
	QC value within limits for Fe 238.204		Recovery = Not calculated				
K	766.490†	24.1	0.2102 mg/L	0.01027	0.2102 mg/L	0.01027	4.89%
	QC value greater than the upper limit for K 766.490		Recovery = Not calculated				
Li	670.784†	43.8	0.0019 mg/L	0.00063	0.0019 mg/L	0.00063	32.41%
	QC value within limits for Li 670.784		Recovery = Not calculated				
Mg	279.077†	63.1	-0.0322 mg/L	0.00107	-0.0322 mg/L	0.00107	3.33%
	QC value less than the lower limit for Mg 279.077		Recovery = Not calculated				
Mn	257.610†	-513.0	-0.0038 mg/L	0.00003	-0.0038 mg/L	0.00003	0.78%
	QC value less than the lower limit for Mn 257.610		Recovery = Not calculated				
Mo	202.031†	12.0	0.0004 mg/L	0.00042	0.0004 mg/L	0.00042	106.56%
	QC value within limits for Mo 202.031		Recovery = Not calculated				
Na	589.592†	88.6	0.1158 mg/L	0.00505	0.1158 mg/L	0.00505	4.36%
	QC value within limits for Na 589.592		Recovery = Not calculated				
Ni	231.604†	21.1	-0.0030 mg/L	0.00005	-0.0030 mg/L	0.00005	1.57%
	QC value less than the lower limit for Ni 231.604		Recovery = Not calculated				
P	214.914†	-50.0	-0.0019 mg/L	0.00088	-0.0019 mg/L	0.00088	47.65%
	QC value within limits for P 214.914		Recovery = Not calculated				
Pb	220.353†	-1.0	-0.0040 mg/L	0.00060	-0.0040 mg/L	0.00060	14.98%
	QC value within limits for Pb 220.353		Recovery = Not calculated				
Sb	206.836†	-9.6	-0.0093 mg/L	0.00170	-0.0093 mg/L	0.00170	18.34%
	QC value less than the lower limit for Sb 206.836		Recovery = Not calculated				
Se	196.026†	4.6	0.0029 mg/L	0.00349	0.0029 mg/L	0.00349	118.43%
	QC value within limits for Se 196.026		Recovery = Not calculated				
Sn	189.927†	11.1	-0.0001 mg/L	0.00045	-0.0001 mg/L	0.00045	413.29%
	QC value within limits for Sn 189.927		Recovery = Not calculated				
Sr	407.771†	42.2	0.0005 mg/L	0.00001	0.0005 mg/L	0.00001	3.00%
	QC value within limits for Sr 407.771		Recovery = Not calculated				
Ti	337.279†	1154.0	-0.0004 mg/L	0.00067	-0.0004 mg/L	0.00067	157.38%
	QC value within limits for Ti 337.279		Recovery = Not calculated				
Tl	190.801†	1.3	-0.0035 mg/L	0.00104	-0.0035 mg/L	0.00104	29.27%
	QC value within limits for Tl 190.801		Recovery = Not calculated				
V	292.402†	191.3	-0.0010 mg/L	0.00032	-0.0010 mg/L	0.00032	33.04%
	QC value within limits for V 292.402		Recovery = Not calculated				
Zn	213.857†	98.5	0.0000 mg/L	0.00010	0.0000 mg/L	0.00010	583.12%
	QC value within limits for Zn 213.857		Recovery = Not calculated				
QC Failed. Continue with analysis.							

Sequence No.: 111

Autosampler Location: 99

Sample ID: CJ20518-BS1

Date Collected: 10/6/2012 11:33:28 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ20518-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	850.8	699.2	0.4082 mg/L	0.4082 mg/L	23:35:11
1	Fe 234.349†	79949.0	66101.9	56.65 mg/L	56.65 mg/L	23:35:09
1	K 766.490†	30690.6	25204.1	13.75 mg/L	13.75 mg/L	23:35:11
1	Li 670.784†	1211.0	1176.6	0.0369 mg/L	0.0369 mg/L	23:35:11
1	Na 589.592†	11815.6	9617.7	1.674 mg/L	1.674 mg/L	23:35:11
1	Sr 407.771†	690859.9	571022.8	0.5995 mg/L	0.5995 mg/L	23:35:09
1	Y 371.029	2996153.3	2996153.3	1.21 mg/L		23:35:24
1	Ag 328.068†	29774.8	23231.5	0.2006 mg/L	0.2006 mg/L	23:35:24
1	Al 237.313†	375274.5	310377.7	40.07 mg/L	40.07 mg/L	23:35:24
1	As 188.979†	767.6	631.6	0.8128 mg/L	0.8128 mg/L	23:35:34
1	B 182.528†	262.5	214.4	0.4237 mg/L	0.4237 mg/L	23:35:34
1	Ba 233.527†	90742.2	75073.6	1.037 mg/L	1.037 mg/L	23:35:24
1	Be 313.107†	994432.3	822641.6	0.4912 mg/L	0.4912 mg/L	23:35:24
1	Ca 315.887†	4026907.4	3329008.2	31.35 mg/L	31.35 mg/L	23:35:20
1	Cd 228.802†	15551.3	12793.9	0.4498 mg/L	0.4498 mg/L	23:35:34
1	Co 228.616†	30281.4	25099.4	0.6257 mg/L	0.6257 mg/L	23:35:34
1	Cr 267.716†	61705.3	50605.1	0.5545 mg/L	0.5545 mg/L	23:35:24
1	Cu 324.752†	122320.8	99892.8	0.5600 mg/L	0.5600 mg/L	23:35:24
1	Fe 238.204†	7617034.8	6297064.8	53.21 mg/L	53.21 mg/L	23:35:20
1	Mg 279.077†	172689.7	142632.6	12.55 mg/L	12.55 mg/L	23:35:24
1	Mn 257.610†	1120039.8	924800.9	1.632 mg/L	1.632 mg/L	23:35:24
1	Mo 202.031†	6940.5	5710.8	0.2862 mg/L	0.2862 mg/L	23:35:34
1	Ni 231.604†	12217.8	10119.6	0.3553 mg/L	0.3553 mg/L	23:35:34
1	P 214.914†	5004.3	3794.5	2.407 mg/L	2.407 mg/L	23:35:34
1	Pb 220.353†	5063.2	4127.8	0.3393 mg/L	0.3393 mg/L	23:35:34
1	Sb 206.836†	826.4	646.4	0.5185 mg/L	0.5185 mg/L	23:35:34
1	Se 196.026†	728.3	602.0	0.6065 mg/L	0.6065 mg/L	23:35:34
1	Sn 189.927†	3724.5	3076.3	0.8585 mg/L	0.8585 mg/L	23:35:34
1	Ti 337.279†	853625.7	706176.0	0.9972 mg/L	0.9972 mg/L	23:35:24
1	Tl 190.801†	1662.2	1372.2	0.9173 mg/L	0.9173 mg/L	23:35:34
1	V 292.402†	79981.1	66805.7	0.4104 mg/L	0.4104 mg/L	23:35:24
1	Zn 213.857†	151520.7	124465.3	1.334 mg/L	1.334 mg/L	23:35:24
2	B 249.677†	834.6	687.3	0.4013 mg/L	0.4013 mg/L	23:35:15
2	Fe 234.349†	79651.4	65995.2	56.56 mg/L	56.56 mg/L	23:35:13
2	K 766.490†	30680.3	25249.2	13.78 mg/L	13.78 mg/L	23:35:15
2	Li 670.784†	1244.9	1206.9	0.0379 mg/L	0.0379 mg/L	23:35:15
2	Na 589.592†	11696.7	9539.9	1.662 mg/L	1.662 mg/L	23:35:15
2	Sr 407.771†	689463.1	571073.6	0.5995 mg/L	0.5995 mg/L	23:35:13
2	Y 371.029	2989829.7	2989829.7	1.21 mg/L		23:35:41
2	Ag 328.068†	29630.3	23163.8	0.2000 mg/L	0.2000 mg/L	23:35:41
2	Al 237.313†	372798.5	308982.6	39.89 mg/L	39.89 mg/L	23:35:41
2	As 188.979†	782.0	644.9	0.8293 mg/L	0.8293 mg/L	23:35:51
2	B 182.528†	266.3	218.0	0.4308 mg/L	0.4308 mg/L	23:35:51
2	Ba 233.527†	89919.3	74550.5	1.030 mg/L	1.030 mg/L	23:35:41
2	Be 313.107†	985837.2	817259.5	0.4880 mg/L	0.4880 mg/L	23:35:41
2	Ca 315.887†	4064424.4	3367131.5	31.71 mg/L	31.71 mg/L	23:35:37
2	Cd 228.802†	15572.3	12838.5	0.4513 mg/L	0.4513 mg/L	23:35:51
2	Co 228.616†	30289.4	25158.9	0.6272 mg/L	0.6272 mg/L	23:35:51
2	Cr 267.716†	61337.2	50408.1	0.5523 mg/L	0.5523 mg/L	23:35:41
2	Cu 324.752†	121622.2	99528.0	0.5579 mg/L	0.5579 mg/L	23:35:41
2	Fe 238.204†	7700492.8	6379526.6	53.91 mg/L	53.91 mg/L	23:35:37
2	Mg 279.077†	171948.6	142320.6	12.52 mg/L	12.52 mg/L	23:35:41
2	Mn 257.610†	1113431.5	921284.4	1.626 mg/L	1.626 mg/L	23:35:41
2	Mo 202.031†	6939.0	5721.7	0.2868 mg/L	0.2868 mg/L	23:35:51
2	Ni 231.604†	12200.3	10126.5	0.3556 mg/L	0.3556 mg/L	23:35:51
2	P 214.914†	4997.2	3797.4	2.408 mg/L	2.408 mg/L	23:35:51
2	Pb 220.353†	5114.2	4178.9	0.3437 mg/L	0.3437 mg/L	23:35:51
2	Sb 206.836†	826.0	647.5	0.5194 mg/L	0.5194 mg/L	23:35:51
2	Se 196.026†	744.8	617.0	0.6209 mg/L	0.6209 mg/L	23:35:51
2	Sn 189.927†	3714.3	3074.3	0.8578 mg/L	0.8578 mg/L	23:35:51
2	Ti 337.279†	847194.3	702340.4	0.9918 mg/L	0.9918 mg/L	23:35:41
2	Tl 190.801†	1661.3	1374.4	0.9188 mg/L	0.9188 mg/L	23:35:51
2	V 292.402†	79484.7	66534.3	0.4087 mg/L	0.4087 mg/L	23:35:41
2	Zn 213.857†	150502.6	123886.9	1.328 mg/L	1.328 mg/L	23:35:41

Mean Data: CJ20518-BS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2992991.5	1.21 mg/L	0.002			0.15%
Ag 328.068†	23197.6	0.2003 mg/L	0.00041	0.2003 mg/L	0.00041	0.21%
Al 237.313†	309680.1	39.98 mg/L	0.127	39.98 mg/L	0.127	0.32%
As 188.979†	638.3	0.8211 mg/L	0.01167	0.8211 mg/L	0.01167	1.42%

2	Fe 234.349†	83786.8	69285.5	59.37 mg/L	59.37 mg/L	23:39:15
2	K 766.490†	31593.8	25954.9	14.16 mg/L	14.16 mg/L	23:39:17
2	Li 670.784†	1255.2	1213.4	0.0381 mg/L	0.0381 mg/L	23:39:17
2	Na 589.592†	11995.5	9768.0	1.699 mg/L	1.699 mg/L	23:39:17
2	Sr 407.771†	721618.5	596544.5	0.6263 mg/L	0.6263 mg/L	23:39:15
2	Y 371.029	2995687.9	2995687.9	1.21 mg/L		23:39:39
2	Ag 328.068†	31302.9	24498.8	0.2116 mg/L	0.2116 mg/L	23:39:41
2	Al 237.313†	391410.8	323768.3	41.80 mg/L	41.80 mg/L	23:39:41
2	As 188.979†	823.9	678.2	0.8720 mg/L	0.8720 mg/L	23:39:51
2	B 182.528†	276.3	225.8	0.4461 mg/L	0.4461 mg/L	23:39:51
2	Ba 233.527†	95614.8	79114.2	1.093 mg/L	1.093 mg/L	23:39:41
2	Be 313.107†	1042919.9	862861.6	0.5153 mg/L	0.5153 mg/L	23:39:39
2	Ca 315.887†	4447201.7	3677048.8	34.62 mg/L	34.62 mg/L	23:39:39
2	Cd 228.802†	16459.5	13546.8	0.4762 mg/L	0.4762 mg/L	23:39:51
2	Co 228.616†	31428.8	26052.0	0.6498 mg/L	0.6498 mg/L	23:39:51
2	Cr 267.716†	65575.9	53813.5	0.5898 mg/L	0.5898 mg/L	23:39:41
2	Cu 324.752†	128385.0	104922.8	0.5882 mg/L	0.5882 mg/L	23:39:41
2	Fe 238.204†	8123075.7	6716466.5	56.76 mg/L	56.76 mg/L	23:39:39
2	Mg 279.077†	184742.0	152620.4	13.43 mg/L	13.43 mg/L	23:39:41
2	Mn 257.610†	1212473.6	1001374.2	1.768 mg/L	1.768 mg/L	23:39:39
2	Mo 202.031†	7251.3	5968.7	0.2991 mg/L	0.2991 mg/L	23:39:51
2	Ni 231.604†	12646.7	10475.8	0.3680 mg/L	0.3680 mg/L	23:39:51
2	P 214.914†	5916.7	4549.5	2.862 mg/L	2.862 mg/L	23:39:51
2	Pb 220.353†	5301.1	4325.1	0.3557 mg/L	0.3557 mg/L	23:39:51
2	Sb 206.836†	867.2	680.2	0.5458 mg/L	0.5458 mg/L	23:39:51
2	Se 196.026†	788.9	652.2	0.6563 mg/L	0.6563 mg/L	23:39:51
2	Sn 189.927†	4017.1	3318.7	0.9213 mg/L	0.9213 mg/L	23:39:51
2	Ti 337.279†	782668.3	647614.1	0.9143 mg/L	0.9143 mg/L	23:39:39
2	Tl 190.801†	1728.5	1427.2	0.9541 mg/L	0.9541 mg/L	23:39:51
2	V 292.402†	85385.6	71284.8	0.4383 mg/L	0.4383 mg/L	23:39:41
2	Zn 213.857†	157389.8	129337.7	1.386 mg/L	1.386 mg/L	23:39:41

Mean Data: CJ20518-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2987413.9	1.21	mg/L	0.005				0.39%
Ag 328.068†	24503.7	0.2116	mg/L	0.00005	0.2116	mg/L	0.00005	0.02%
Al 237.313†	324181.3	41.85	mg/L	0.075	41.85	mg/L	0.075	0.18%
As 188.979†	685.4	0.8809	mg/L	0.01253	0.8809	mg/L	0.01253	1.42%
B 182.528†	229.5	0.4533	mg/L	0.01020	0.4533	mg/L	0.01020	2.25%
B 249.677†	707.4	0.4129	mg/L	0.00855	0.4129	mg/L	0.00855	2.07%
Ba 233.527†	79200.0	1.094	mg/L	0.0017	1.094	mg/L	0.0017	0.15%
Be 313.107†	864147.5	0.5160	mg/L	0.00109	0.5160	mg/L	0.00109	0.21%
Ca 315.887†	3679936.3	34.65	mg/L	0.038	34.65	mg/L	0.038	0.11%
Cd 228.802†	13642.6	0.4795	mg/L	0.00475	0.4795	mg/L	0.00475	0.99%
Co 228.616†	26255.5	0.6549	mg/L	0.00722	0.6549	mg/L	0.00722	1.10%
Cr 267.716†	53795.2	0.5896	mg/L	0.00028	0.5896	mg/L	0.00028	0.05%
Cu 324.752†	105104.8	0.5892	mg/L	0.00145	0.5892	mg/L	0.00145	0.25%
Fe 234.349†	69159.3	59.27	mg/L	0.153	59.27	mg/L	0.153	0.26%
Fe 238.204†	6722101.5	56.80	mg/L	0.067	56.80	mg/L	0.067	0.12%
K 766.490†	26008.8	14.19	mg/L	0.041	14.19	mg/L	0.041	0.29%
Li 670.784†	1210.6	0.0380	mg/L	0.00012	0.0380	mg/L	0.00012	0.32%
Mg 279.077†	152659.0	13.43	mg/L	0.005	13.43	mg/L	0.005	0.04%
Mn 257.610†	1002281.9	1.769	mg/L	0.0023	1.769	mg/L	0.0023	0.13%
Mo 202.031†	6000.9	0.3008	mg/L	0.00248	0.3008	mg/L	0.00248	0.82%
Na 589.592†	9820.4	1.708	mg/L	0.0121	1.708	mg/L	0.0121	0.71%
Ni 231.604†	10565.0	0.3711	mg/L	0.00447	0.3711	mg/L	0.00447	1.21%
P 214.914†	4591.0	2.886	mg/L	0.0345	2.886	mg/L	0.0345	1.20%
Pb 220.353†	4363.2	0.3590	mg/L	0.00462	0.3590	mg/L	0.00462	1.29%
Sb 206.836†	690.1	0.5541	mg/L	0.01178	0.5541	mg/L	0.01178	2.13%
Se 196.026†	657.5	0.6614	mg/L	0.00720	0.6614	mg/L	0.00720	1.09%
Sn 189.927†	3348.2	0.9276	mg/L	0.00897	0.9276	mg/L	0.00897	0.97%
Sr 407.771†	595612.9	0.6253	mg/L	0.00138	0.6253	mg/L	0.00138	0.22%
Ti 337.279†	649069.9	0.9164	mg/L	0.00291	0.9164	mg/L	0.00291	0.32%
Tl 190.801†	1431.8	0.9574	mg/L	0.00455	0.9574	mg/L	0.00455	0.48%
V 292.402†	71430.8	0.4392	mg/L	0.00134	0.4392	mg/L	0.00134	0.30%
Zn 213.857†	129402.9	1.387	mg/L	0.0010	1.387	mg/L	0.0010	0.07%

Sequence No.: 113
Sample ID: 1210127-01
Analyst:

Autosampler Location: 101
Date Collected: 10/6/2012 11:41:30 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	138.4	109.7	0.0663	mg/L	0.0663	mg/L	23:43:16
1	Fe 234.349†	233097.6	191776.2	164.3	mg/L	164.3	mg/L	23:43:14
1	K 766.490†	19080.8	15529.1	8.550	mg/L	8.550	mg/L	23:43:16
1	Li 670.784†	4602.9	3962.3	0.1230	mg/L	0.1230	mg/L	23:43:16
1	Na 589.592†	18042.7	14693.2	2.505	mg/L	2.505	mg/L	23:43:16
1	Sr 407.771†	1080451.4	888761.1	0.9328	mg/L	0.9328	mg/L	23:43:14
1	Y 371.029	3010809.2	3010809.2	1.22	mg/L			23:43:31
1	Ag 328.068†	178303.7	145307.1	1.247	mg/L	1.247	mg/L	23:43:33
1	Al 237.313†	711172.2	585212.0	75.55	mg/L	75.55	mg/L	23:43:31
1	As 188.979†	95.8	75.8	0.1648	mg/L	0.1648	mg/L	23:43:43
1	B 182.528†	36.2	27.2	0.0584	mg/L	0.0584	mg/L	23:43:43
1	Ba 233.527†	138763.1	114215.4	1.579	mg/L	1.579	mg/L	23:43:33
1	Be 313.107†	11330.1	9837.2	0.0058	mg/L	0.0058	mg/L	23:43:33
1	Ca 315.887†	8885781.2	7310219.5	68.85	mg/L	68.85	mg/L	23:43:28
1	Cd 228.802†	664.7	484.1	0.0167	mg/L	0.0167	mg/L	23:43:43
1	Co 228.616†	3349.5	2820.5	0.0607	mg/L	0.0607	mg/L	23:43:43
1	Cr 267.716†	48065.3	39135.2	0.4278	mg/L	0.4278	mg/L	23:43:33
1	Cu 324.752†	5215608.2	4289670.5	24.15	mg/L	24.15	mg/L	23:43:28
1	Fe 238.204†	18962545.0	15600412.5	131.8	mg/L	131.8	mg/L	23:43:28
1	Mg 279.077†	250220.5	205722.6	18.11	mg/L	18.11	mg/L	23:43:31
1	Mn 257.610†	1286762.7	1057457.1	1.867	mg/L	1.867	mg/L	23:43:31
1	Mo 202.031†	500.8	384.9	-0.0477	mg/L	-0.0477	mg/L	23:43:33
1	Ni 231.604†	62298.7	51272.2	1.813	mg/L	1.813	mg/L	23:43:33
1	P 214.914†	16809.4	13486.4	7.985	mg/L	7.985	mg/L	23:43:33
1	Pb 220.353†	113274.9	93133.7	7.987	mg/L	7.987	mg/L	23:43:33
1	Sb 206.836†	98.7	44.4	-0.0366	mg/L	-0.0366	mg/L	23:43:43
1	Se 196.026†	-49.1	-40.5	0.0293	mg/L	0.0293	mg/L	23:43:43
1	Sn 189.927†	2311.5	1898.8	0.9072	mg/L	0.9072	mg/L	23:43:43
1	Ti 337.279†	3242023.6	2667686.2	3.773	mg/L	3.773	mg/L	23:43:31
1	Tl 190.801†	20.4	14.8	-0.0935	mg/L	-0.0935	mg/L	23:43:43
1	V 292.402†	49311.6	41252.0	0.2248	mg/L	0.2248	mg/L	23:43:33
1	Zn 213.857†	907933.8	746160.0	7.967	mg/L	7.967	mg/L	23:43:31
2	B 249.677†	126.0	99.1	0.0602	mg/L	0.0602	mg/L	23:43:20
2	Fe 234.349†	234738.5	192425.9	164.9	mg/L	164.9	mg/L	23:43:18
2	K 766.490†	18931.2	15349.6	8.453	mg/L	8.453	mg/L	23:43:20
2	Li 670.784†	4526.1	3885.6	0.1206	mg/L	0.1206	mg/L	23:43:20
2	Na 589.592†	17694.1	14353.7	2.449	mg/L	2.449	mg/L	23:43:20
2	Sr 407.771†	1088643.2	892253.0	0.9365	mg/L	0.9365	mg/L	23:43:18
2	Y 371.029	3021766.3	3021766.3	1.22	mg/L			23:43:51
2	Ag 328.068†	175807.4	142728.9	1.226	mg/L	1.226	mg/L	23:43:54
2	Al 237.313†	716783.6	587690.2	75.87	mg/L	75.87	mg/L	23:43:51
2	As 188.979†	91.3	71.8	0.1601	mg/L	0.1601	mg/L	23:44:04
2	B 182.528†	38.9	29.2	0.0624	mg/L	0.0624	mg/L	23:44:04
2	Ba 233.527†	136544.4	111982.7	1.548	mg/L	1.548	mg/L	23:43:54
2	Be 313.107†	11489.1	9933.7	0.0058	mg/L	0.0058	mg/L	23:43:54
2	Ca 315.887†	8804204.8	7216841.9	67.97	mg/L	67.97	mg/L	23:43:49
2	Cd 228.802†	681.7	496.0	0.0171	mg/L	0.0171	mg/L	23:44:04
2	Co 228.616†	3380.3	2835.8	0.0610	mg/L	0.0610	mg/L	23:44:04
2	Cr 267.716†	47389.6	38437.9	0.4201	mg/L	0.4201	mg/L	23:43:54
2	Cu 324.752†	5178645.0	4243812.1	23.90	mg/L	23.90	mg/L	23:43:49
2	Fe 238.204†	18801906.8	15412165.7	130.3	mg/L	130.3	mg/L	23:43:49
2	Mg 279.077†	251686.6	206178.0	18.15	mg/L	18.15	mg/L	23:43:51
2	Mn 257.610†	1297255.3	1062219.5	1.875	mg/L	1.875	mg/L	23:43:51
2	Mo 202.031†	549.3	423.2	-0.0456	mg/L	-0.0456	mg/L	23:43:54
2	Ni 231.604†	61251.5	50227.9	1.776	mg/L	1.776	mg/L	23:43:54
2	P 214.914†	16393.5	13095.4	7.758	mg/L	7.758	mg/L	23:43:54
2	Pb 220.353†	111432.8	91285.7	7.827	mg/L	7.827	mg/L	23:43:54
2	Sb 206.836†	88.9	36.1	-0.0438	mg/L	-0.0438	mg/L	23:44:04
2	Se 196.026†	-38.7	-31.8	0.0379	mg/L	0.0379	mg/L	23:44:04
2	Sn 189.927†	2319.0	1898.0	0.9086	mg/L	0.9086	mg/L	23:44:04
2	Ti 337.279†	3270060.4	2680997.1	3.792	mg/L	3.792	mg/L	23:43:51
2	Tl 190.801†	26.8	19.9	-0.0902	mg/L	-0.0902	mg/L	23:44:04
2	V 292.402†	48480.1	40423.2	0.2195	mg/L	0.2195	mg/L	23:43:54
2	Zn 213.857†	914994.4	749239.2	8.001	mg/L	8.001	mg/L	23:43:51

Mean Data: 1210127-01

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3016287.7	1.22	mg/L	0.003				0.26%
Ag 328.068†	144018.0	1.236	mg/L	0.0155	1.236	mg/L	0.0155	1.25%
Al 237.313†	586451.1	75.71	mg/L	0.226	75.71	mg/L	0.226	0.30%
As 188.979†	73.8	0.1624	mg/L	0.00332	0.1624	mg/L	0.00332	2.04%
B 182.528†	28.2	0.0604	mg/L	0.00286	0.0604	mg/L	0.00286	4.73%
B 249.677†	104.4	0.0633	mg/L	0.00436	0.0633	mg/L	0.00436	6.89%
Ba 233.527†	113099.1	1.563	mg/L	0.0218	1.563	mg/L	0.0218	1.40%
Be 313.107†	9885.4	0.0058	mg/L	0.00004	0.0058	mg/L	0.00004	0.70%
Ca 315.887†	7263530.7	68.41	mg/L	0.622	68.41	mg/L	0.622	0.91%
Cd 228.802†	490.0	0.0169	mg/L	0.00031	0.0169	mg/L	0.00031	1.86%
Co 228.616†	2828.2	0.0609	mg/L	0.00025	0.0609	mg/L	0.00025	0.40%
Cr 267.716†	38786.5	0.4240	mg/L	0.00543	0.4240	mg/L	0.00543	1.28%
Cu 324.752†	4266741.3	24.03	mg/L	0.183	24.03	mg/L	0.183	0.76%
Fe 234.349†	192101.0	164.6	mg/L	0.39	164.6	mg/L	0.39	0.24%
Fe 238.204†	15506289.1	131.0	mg/L	1.13	131.0	mg/L	1.13	0.86%
K 766.490†	15439.4	8.502	mg/L	0.0683	8.502	mg/L	0.0683	0.80%
Li 670.784†	3923.9	0.1218	mg/L	0.00167	0.1218	mg/L	0.00167	1.37%
Mg 279.077†	205950.3	18.13	mg/L	0.028	18.13	mg/L	0.028	0.16%
Mn 257.610†	1059838.3	1.871	mg/L	0.0060	1.871	mg/L	0.0060	0.32%
Mo 202.031†	404.0	-0.0466	mg/L	0.00145	-0.0466	mg/L	0.00145	3.11%
Na 589.592†	14523.4	2.477	mg/L	0.0393	2.477	mg/L	0.0393	1.59%
Ni 231.604†	50750.1	1.795	mg/L	0.0262	1.795	mg/L	0.0262	1.46%
P 214.914†	13290.9	7.872	mg/L	0.1602	7.872	mg/L	0.1602	2.03%
Pb 220.353†	92209.7	7.907	mg/L	0.1127	7.907	mg/L	0.1127	1.43%
Sb 206.836†	40.2	-0.0402	mg/L	0.00512	-0.0402	mg/L	0.00512	12.75%
Se 196.026†	-36.1	0.0336	mg/L	0.00610	0.0336	mg/L	0.00610	18.16%
Sn 189.927†	1898.4	0.9079	mg/L	0.00103	0.9079	mg/L	0.00103	0.11%
Sr 407.771†	890507.1	0.9346	mg/L	0.00259	0.9346	mg/L	0.00259	0.28%
Ti 337.279†	2674341.6	3.782	mg/L	0.0133	3.782	mg/L	0.0133	0.35%
Tl 190.801†	17.4	-0.0919	mg/L	0.00233	-0.0919	mg/L	0.00233	2.53%
V 292.402†	40837.6	0.2221	mg/L	0.00378	0.2221	mg/L	0.00378	1.70%
Zn 213.857†	747699.6	7.984	mg/L	0.0239	7.984	mg/L	0.0239	0.30%

Sequence No.: 114	Autosampler Location: 102
Sample ID: 1210127-02	Date Collected: 10/6/2012 11:45:43 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210127-02

Repl#	Analyte	Net		Calib. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	10.5	4.2	0.0049	mg/L	0.0049	mg/L	23:47:25
1	Fe 234.349†	170973.6	135358.9	116.0	mg/L	116.0	mg/L	23:47:23
1	K 766.490†	18758.4	14681.6	8.094	mg/L	8.094	mg/L	23:47:25
1	Li 670.784†	3395.6	2863.6	0.0890	mg/L	0.0890	mg/L	23:47:25
1	Na 589.592†	4956.3	3773.1	0.7185	mg/L	0.7185	mg/L	23:47:25
1	Sr 407.771†	85612.1	67644.7	0.0714	mg/L	0.0714	mg/L	23:47:23
1	Y 371.029	3128873.6	3128873.6	1.26	mg/L			23:47:37
1	Ag 328.068†	6306.7	3608.5	0.0381	mg/L	0.0381	mg/L	23:47:39
1	Al 237.313†	638010.6	505215.4	65.22	mg/L	65.22	mg/L	23:47:37
1	As 188.979†	63.8	47.5	0.1094	mg/L	0.1094	mg/L	23:47:50
1	B 182.528†	16.7	10.6	0.0260	mg/L	0.0260	mg/L	23:47:50
1	Ba 233.527†	19831.3	15754.1	0.2160	mg/L	0.2160	mg/L	23:47:39
1	Be 313.107†	6015.0	5277.7	0.0030	mg/L	0.0030	mg/L	23:47:39
1	Ca 315.887†	1593731.3	1261542.5	11.87	mg/L	11.87	mg/L	23:47:37
1	Cd 228.802†	134.2	43.4	0.0012	mg/L	0.0012	mg/L	23:47:50
1	Co 228.616†	2497.0	2041.7	0.0411	mg/L	0.0411	mg/L	23:47:50
1	Cr 267.716†	9723.3	7289.2	0.0771	mg/L	0.0771	mg/L	23:47:39
1	Cu 324.752†	134647.9	105362.2	0.5930	mg/L	0.5930	mg/L	23:47:39
1	Fe 238.204†	15643738.8	12384375.2	104.7	mg/L	104.7	mg/L	23:47:35
1	Mg 279.077†	261594.8	206959.4	18.22	mg/L	18.22	mg/L	23:47:39
1	Mn 257.610†	852882.9	674025.6	1.189	mg/L	1.189	mg/L	23:47:37
1	Mo 202.031†	255.5	175.1	-0.0274	mg/L	-0.0274	mg/L	23:47:50
1	Ni 231.604†	3333.2	2657.6	0.0904	mg/L	0.0904	mg/L	23:47:50
1	P 214.914†	8315.7	6240.5	4.003	mg/L	4.003	mg/L	23:47:50
1	Pb 220.353†	7175.9	5622.7	0.4623	mg/L	0.4623	mg/L	23:47:50
1	Sb 206.836†	66.7	16.0	-0.0391	mg/L	-0.0391	mg/L	23:47:50

1	Se 196.026†	-36.0	-28.5	0.0202 mg/L	0.0202 mg/L	23:47:50
1	Sn 189.927†	-26.2	-23.6	0.3312 mg/L	0.3312 mg/L	23:47:50
1	Ti 337.279†	3386355.7	2681303.5	3.792 mg/L	3.792 mg/L	23:47:37
1	Tl 190.801†	9.1	5.2	-0.0724 mg/L	-0.0724 mg/L	23:47:50
1	V 292.402†	25336.9	20741.3	0.1033 mg/L	0.1033 mg/L	23:47:39
1	Zn 213.857†	69515.0	54231.1	0.5804 mg/L	0.5804 mg/L	23:47:39
2	B 249.677†	9.1	3.1	0.0043 mg/L	0.0043 mg/L	23:47:30
2	Fe 234.349†	168471.4	135352.9	116.0 mg/L	116.0 mg/L	23:47:28
2	K 766.490†	18724.0	14873.8	8.197 mg/L	8.197 mg/L	23:47:30
2	Li 670.784†	3312.6	2836.8	0.0882 mg/L	0.0882 mg/L	23:47:30
2	Na 589.592†	4940.2	3818.3	0.7259 mg/L	0.7259 mg/L	23:47:30
2	Sr 407.771†	84428.1	67697.2	0.0715 mg/L	0.0715 mg/L	23:47:28
2	Y 371.029	3083218.0	3083218.0	1.24 mg/L		23:47:55
2	Ag 328.068†	6342.8	3711.5	0.0390 mg/L	0.0390 mg/L	23:47:57
2	Al 237.313†	630154.6	506383.2	65.37 mg/L	65.37 mg/L	23:47:55
2	As 188.979†	57.6	43.3	0.1041 mg/L	0.1041 mg/L	23:48:08
2	B 182.528†	18.5	12.2	0.0292 mg/L	0.0292 mg/L	23:48:08
2	Ba 233.527†	20057.8	16168.5	0.2218 mg/L	0.2218 mg/L	23:47:57
2	Be 313.107†	6052.3	5378.1	0.0031 mg/L	0.0031 mg/L	23:47:57
2	Ca 315.887†	1569323.0	1260616.2	11.86 mg/L	11.86 mg/L	23:47:55
2	Cd 228.802†	137.0	47.2	0.0014 mg/L	0.0014 mg/L	23:48:08
2	Co 228.616†	2490.2	2065.5	0.0417 mg/L	0.0417 mg/L	23:48:08
2	Cr 267.716†	9803.1	7467.3	0.0790 mg/L	0.0790 mg/L	23:47:57
2	Cu 324.752†	134325.3	106681.5	0.6004 mg/L	0.6004 mg/L	23:47:57
2	Fe 238.204†	15356021.8	12336615.6	104.3 mg/L	104.3 mg/L	23:47:53
2	Mg 279.077†	263609.7	211644.8	18.63 mg/L	18.63 mg/L	23:47:57
2	Mn 257.610†	841958.2	675247.0	1.191 mg/L	1.191 mg/L	23:47:55
2	Mo 202.031†	254.5	177.4	-0.0273 mg/L	-0.0273 mg/L	23:48:08
2	Ni 231.604†	3287.1	2659.6	0.0905 mg/L	0.0905 mg/L	23:48:08
2	P 214.914†	8241.4	6278.3	4.025 mg/L	4.025 mg/L	23:48:08
2	Pb 220.353†	7144.3	5681.5	0.4673 mg/L	0.4673 mg/L	23:48:08
2	Sb 206.836†	71.4	20.5	-0.0353 mg/L	-0.0353 mg/L	23:48:08
2	Se 196.026†	-31.4	-25.3	0.0234 mg/L	0.0234 mg/L	23:48:08
2	Sn 189.927†	-20.6	-19.4	0.3321 mg/L	0.3321 mg/L	23:48:08
2	Ti 337.279†	3349957.0	2691758.8	3.807 mg/L	3.807 mg/L	23:47:55
2	Tl 190.801†	8.7	5.0	-0.0726 mg/L	-0.0726 mg/L	23:48:08
2	V 292.402†	25492.1	21163.0	0.1059 mg/L	0.1059 mg/L	23:47:57
2	Zn 213.857†	69917.9	55369.7	0.5926 mg/L	0.5926 mg/L	23:47:57

Mean Data: 1210127-02

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3106045.8	1.25	mg/L	0.013				1.04%
Ag 328.068†	3660.0	0.0386	mg/L	0.00062	0.0386	mg/L	0.00062	1.61%
Al 237.313†	505799.3	65.29	mg/L	0.107	65.29	mg/L	0.107	0.16%
As 188.979†	45.4	0.1068	mg/L	0.00374	0.1068	mg/L	0.00374	3.51%
B 182.528†	11.4	0.0276	mg/L	0.00223	0.0276	mg/L	0.00223	8.09%
B 249.677†	3.7	0.0046	mg/L	0.00043	0.0046	mg/L	0.00043	9.36%
Ba 233.527†	15961.3	0.2189	mg/L	0.00405	0.2189	mg/L	0.00405	1.85%
Be 313.107†	5327.9	0.0030	mg/L	0.00004	0.0030	mg/L	0.00004	1.41%
Ca 315.887†	1261079.4	11.86	mg/L	0.006	11.86	mg/L	0.006	0.05%
Cd 228.802†	45.3	0.0013	mg/L	0.00011	0.0013	mg/L	0.00011	8.51%
Co 228.616†	2053.6	0.0414	mg/L	0.00040	0.0414	mg/L	0.00040	0.97%
Cr 267.716†	7378.2	0.0781	mg/L	0.00139	0.0781	mg/L	0.00139	1.78%
Cu 324.752†	106021.8	0.5967	mg/L	0.00526	0.5967	mg/L	0.00526	0.88%
Fe 234.349†	135355.9	116.0	mg/L	0.00	116.0	mg/L	0.00	0.00%
Fe 238.204†	12360495.4	104.5	mg/L	0.29	104.5	mg/L	0.29	0.27%
K 766.490†	14777.7	8.146	mg/L	0.0731	8.146	mg/L	0.0731	0.90%
Li 670.784†	2850.2	0.0886	mg/L	0.00059	0.0886	mg/L	0.00059	0.66%
Mg 279.077†	209302.1	18.43	mg/L	0.292	18.43	mg/L	0.292	1.59%
Mn 257.610†	674636.3	1.190	mg/L	0.0015	1.190	mg/L	0.0015	0.13%
Mo 202.031†	176.2	-0.0274	mg/L	0.00008	-0.0274	mg/L	0.00008	0.30%
Na 589.592†	3795.7	0.7222	mg/L	0.00523	0.7222	mg/L	0.00523	0.72%
Ni 231.604†	2658.6	0.0904	mg/L	0.00005	0.0904	mg/L	0.00005	0.06%
P 214.914†	6259.4	4.014	mg/L	0.0158	4.014	mg/L	0.0158	0.39%
Pb 220.353†	5652.1	0.4648	mg/L	0.00354	0.4648	mg/L	0.00354	0.76%
Sb 206.836†	18.3	-0.0372	mg/L	0.00272	-0.0372	mg/L	0.00272	7.30%
Se 196.026†	-26.9	0.0218	mg/L	0.00224	0.0218	mg/L	0.00224	10.28%
Sn 189.927†	-21.5	0.3316	mg/L	0.00066	0.3316	mg/L	0.00066	0.20%
Sr 407.771†	67671.0	0.0714	mg/L	0.00004	0.0714	mg/L	0.00004	0.05%
Ti 337.279†	2686531.2	3.799	mg/L	0.0105	3.799	mg/L	0.0105	0.28%
Tl 190.801†	5.1	-0.0725	mg/L	0.00016	-0.0725	mg/L	0.00016	0.22%

V 292.402†	20952.2	0.1046 mg/L	0.00187	0.1046 mg/L	0.00187	1.79%
Zn 213.857†	54800.4	0.5865 mg/L	0.00865	0.5865 mg/L	0.00865	1.47%

Sequence No.: 115	Autosampler Location: 103
Sample ID: 1210127-03	Date Collected: 10/6/2012 11:49:43 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210127-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1694.3	1390.1	0.8112 mg/L	0.8112 mg/L	23:51:26
1	Fe 234.349†	660049.3	543182.2	465.4 mg/L	465.4 mg/L	23:51:24
1	K 766.490†	46287.1	37922.4	20.59 mg/L	20.59 mg/L	23:51:26
1	Li 670.784†	6361.9	5410.9	0.1677 mg/L	0.1677 mg/L	23:51:26
1	Na 589.592†	149613.4	122971.2	20.22 mg/L	20.22 mg/L	23:51:24
1	Sr 407.771†	3991163.2	3284329.7	3.446 mg/L	3.446 mg/L	23:51:21
1	Y 371.029	3009972.1	3009972.1	1.22 mg/L		23:51:50
1	Ag 328.068†	151109.1	122968.5	1.081 mg/L	1.081 mg/L	23:51:52
1	Al 237.313†	1220135.1	1004217.2	129.6 mg/L	129.6 mg/L	23:51:50
1	As 188.979†	671.6	549.7	0.8821 mg/L	0.8821 mg/L	23:52:02
1	B 182.528†	515.1	421.2	0.8274 mg/L	0.8274 mg/L	23:52:02
1	Ba 233.527†	383481.2	315633.8	4.366 mg/L	4.366 mg/L	23:51:52
1	Be 313.107†	45562.3	38010.6	0.0226 mg/L	0.0226 mg/L	23:51:52
1	Ca 315.887†	33197238.8	27318958.4	257.3 mg/L	257.3 mg/L	23:51:46
1	Cd 228.802†	2432.9	1939.3	0.0656 mg/L	0.0656 mg/L	23:52:02
1	Co 228.616†	11645.3	9648.1	0.2300 mg/L	0.2300 mg/L	23:52:02
1	Cr 267.716†	92724.3	75897.5	0.8327 mg/L	0.8327 mg/L	23:51:52
1	Cu 324.752†	3107736.9	2556226.6	14.39 mg/L	14.39 mg/L	23:51:50
1	Fe 238.204†	41309279.0	33994620.7	287.3 mg/L	287.3 mg/L	23:51:41
1	Mg 279.077†	390263.0	321025.5	28.29 mg/L	28.29 mg/L	23:51:52
1	Mn 257.610†	2418559.0	1989144.3	3.514 mg/L	3.514 mg/L	23:51:50
1	Mo 202.031†	1895.5	1532.7	-0.0734 mg/L	-0.0734 mg/L	23:51:52
1	Ni 231.604†	80093.1	65930.1	2.333 mg/L	2.333 mg/L	23:51:52
1	P 214.914†	31288.9	25406.0	15.97 mg/L	15.97 mg/L	23:51:52
1	Pb 220.353†	775905.8	638460.5	55.04 mg/L	55.04 mg/L	23:51:52
1	Sb 206.836†	247.7	167.1	-0.0667 mg/L	-0.0667 mg/L	23:52:02
1	Se 196.026†	-84.9	-69.9	0.1290 mg/L	0.1290 mg/L	23:52:02
1	Sn 189.927†	9296.0	7647.1	3.087 mg/L	3.087 mg/L	23:52:02
1	Ti 337.279†	4194704.1	3452420.4	4.883 mg/L	4.883 mg/L	23:51:50
1	Tl 190.801†	46.1	35.9	-0.2524 mg/L	-0.2524 mg/L	23:52:02
1	V 292.402†	104822.6	86945.1	0.4561 mg/L	0.4561 mg/L	23:51:52
1	Zn 213.857†	938319.8	771373.4	8.253 mg/L	8.253 mg/L	23:51:50
2	B 249.677†	1674.0	1372.9	0.8011 mg/L	0.8011 mg/L	23:51:33
2	Fe 234.349†	651091.0	535590.6	458.9 mg/L	458.9 mg/L	23:51:31
2	K 766.490†	46433.5	38027.3	20.65 mg/L	20.65 mg/L	23:51:33
2	Li 670.784†	6479.6	5505.5	0.1706 mg/L	0.1706 mg/L	23:51:33
2	Na 589.592†	148139.6	121708.4	20.01 mg/L	20.01 mg/L	23:51:31
2	Sr 407.771†	4011878.1	3300024.1	3.462 mg/L	3.462 mg/L	23:51:29
2	Y 371.029	3011205.8	3011205.8	1.22 mg/L		23:52:17
2	Ag 328.068†	149224.9	121367.6	1.066 mg/L	1.066 mg/L	23:52:19
2	Al 237.313†	1218995.8	1002868.6	129.5 mg/L	129.5 mg/L	23:52:17
2	As 188.979†	688.7	563.6	0.8967 mg/L	0.8967 mg/L	23:52:29
2	B 182.528†	521.1	426.0	0.8368 mg/L	0.8368 mg/L	23:52:29
2	Ba 233.527†	378498.1	311405.5	4.307 mg/L	4.307 mg/L	23:52:19
2	Be 313.107†	45147.5	37654.0	0.0224 mg/L	0.0224 mg/L	23:52:19
2	Ca 315.887†	33267652.2	27365687.4	257.8 mg/L	257.8 mg/L	23:52:13
2	Cd 228.802†	2451.3	1953.6	0.0661 mg/L	0.0661 mg/L	23:52:29
2	Co 228.616†	11706.2	9694.4	0.2311 mg/L	0.2311 mg/L	23:52:29
2	Cr 267.716†	91618.4	74956.6	0.8223 mg/L	0.8223 mg/L	23:52:19
2	Cu 324.752†	3102870.7	2551176.0	14.37 mg/L	14.37 mg/L	23:52:17
2	Fe 238.204†	41138201.7	33839965.4	286.0 mg/L	286.0 mg/L	23:52:08
2	Mg 279.077†	385482.8	316961.8	27.93 mg/L	27.93 mg/L	23:52:19
2	Mn 257.610†	2417468.5	1987431.8	3.511 mg/L	3.511 mg/L	23:52:17
2	Mo 202.031†	1771.8	1430.4	-0.0768 mg/L	-0.0768 mg/L	23:52:19
2	Ni 231.604†	79047.0	65042.5	2.301 mg/L	2.301 mg/L	23:52:19
2	P 214.914†	30864.9	25046.6	15.74 mg/L	15.74 mg/L	23:52:19
2	Pb 220.353†	766676.8	630607.2	54.36 mg/L	54.36 mg/L	23:52:19
2	Sb 206.836†	250.9	169.6	-0.0617 mg/L	-0.0617 mg/L	23:52:29
2	Se 196.026†	-95.3	-78.5	0.1180 mg/L	0.1180 mg/L	23:52:29

2	Sn 189.927†	9331.0	7672.8	3.074 mg/L	3.074 mg/L	23:52:29
2	Ti 337.279†	4191217.4	3448138.0	4.877 mg/L	4.877 mg/L	23:52:17
2	Tl 190.801†	42.5	32.9	-0.2508 mg/L	-0.2508 mg/L	23:52:29
2	V 292.402†	103516.0	85834.9	0.4503 mg/L	0.4503 mg/L	23:52:19
2	Zn 213.857†	937940.5	770745.0	8.247 mg/L	8.247 mg/L	23:52:17

Mean Data: 1210127-03

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3010588.9	1.22 mg/L	0.000			0.03%
Ag 328.068†	122168.1	1.074 mg/L	0.0100	1.074 mg/L	0.0100	0.93%
Al 237.313†	1003542.9	129.6 mg/L	0.12	129.6 mg/L	0.12	0.10%
As 188.979†	556.6	0.8894 mg/L	0.01033	0.8894 mg/L	0.01033	1.16%
B 182.528†	423.6	0.8321 mg/L	0.00664	0.8321 mg/L	0.00664	0.80%
B 249.677†	1381.5	0.8062 mg/L	0.00712	0.8062 mg/L	0.00712	0.88%
Ba 233.527†	313519.6	4.336 mg/L	0.0414	4.336 mg/L	0.0414	0.95%
Be 313.107†	37832.3	0.0225 mg/L	0.00015	0.0225 mg/L	0.00015	0.67%
Ca 315.887†	27342322.9	257.6 mg/L	0.31	257.6 mg/L	0.31	0.12%
Cd 228.802†	1946.4	0.0658 mg/L	0.00031	0.0658 mg/L	0.00031	0.47%
Co 228.616†	9671.3	0.2306 mg/L	0.00083	0.2306 mg/L	0.00083	0.36%
Cr 267.716†	75427.1	0.8275 mg/L	0.00733	0.8275 mg/L	0.00733	0.89%
Cu 324.752†	2553701.3	14.38 mg/L	0.020	14.38 mg/L	0.020	0.14%
Fe 234.349†	539386.4	462.1 mg/L	4.60	462.1 mg/L	4.60	1.00%
Fe 238.204†	33917293.1	286.7 mg/L	0.92	286.7 mg/L	0.92	0.32%
K 766.490†	37974.9	20.62 mg/L	0.040	20.62 mg/L	0.040	0.19%
Li 670.784†	5458.2	0.1692 mg/L	0.00207	0.1692 mg/L	0.00207	1.22%
Mg 279.077†	318993.6	28.11 mg/L	0.253	28.11 mg/L	0.253	0.90%
Mn 257.610†	1988288.1	3.513 mg/L	0.0021	3.513 mg/L	0.0021	0.06%
Mo 202.031†	1481.5	-0.0751 mg/L	0.00241	-0.0751 mg/L	0.00241	3.22%
Na 589.592†	122339.8	20.11 mg/L	0.146	20.11 mg/L	0.146	0.73%
Ni 231.604†	65486.3	2.317 mg/L	0.0222	2.317 mg/L	0.0222	0.96%
P 214.914†	25226.3	15.86 mg/L	0.162	15.86 mg/L	0.162	1.02%
Pb 220.353†	634533.9	54.70 mg/L	0.479	54.70 mg/L	0.479	0.88%
Sb 206.836†	168.3	-0.0642 mg/L	0.00355	-0.0642 mg/L	0.00355	5.54%
Se 196.026†	-74.2	0.1235 mg/L	0.00783	0.1235 mg/L	0.00783	6.34%
Sn 189.927†	7659.9	3.081 mg/L	0.0093	3.081 mg/L	0.0093	0.30%
Sr 407.771†	3292176.9	3.454 mg/L	0.0116	3.454 mg/L	0.0116	0.34%
Ti 337.279†	3450279.2	4.880 mg/L	0.0043	4.880 mg/L	0.0043	0.09%
Tl 190.801†	34.4	-0.2516 mg/L	0.00114	-0.2516 mg/L	0.00114	0.45%
V 292.402†	86390.0	0.4532 mg/L	0.00412	0.4532 mg/L	0.00412	0.91%
Zn 213.857†	771059.2	8.250 mg/L	0.0046	8.250 mg/L	0.0046	0.06%

Sequence No.: 116
Sample ID: 1210127-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 104
Date Collected: 10/6/2012 11:54:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	356.9	274.3	0.1621 mg/L	0.1621 mg/L	23:55:45
1	Fe 234.349†	209402.0	163406.8	140.0 mg/L	140.0 mg/L	23:55:43
1	K 766.490†	16476.9	12688.6	7.022 mg/L	7.022 mg/L	23:55:45
1	Li 670.784†	2797.5	2358.4	0.0734 mg/L	0.0734 mg/L	23:55:45
1	Na 589.592†	33592.9	26062.7	4.364 mg/L	4.364 mg/L	23:55:43
1	Sr 407.771†	2527189.1	1971891.1	2.069 mg/L	2.069 mg/L	23:55:43
1	Y 371.029	3174336.9	3174336.9	1.28 mg/L		23:56:00
1	Ag 328.068†	113260.6	86995.6	0.7495 mg/L	0.7495 mg/L	23:56:00
1	Al 237.313†	584998.1	456614.6	58.95 mg/L	58.95 mg/L	23:56:00
1	As 188.979†	385.7	298.0	0.4316 mg/L	0.4316 mg/L	23:56:11
1	B 182.528†	96.4	72.6	0.1470 mg/L	0.1470 mg/L	23:56:11
1	Ba 233.527†	414755.7	323697.6	4.477 mg/L	4.477 mg/L	23:56:00
1	Be 313.107†	38096.1	30243.1	0.0179 mg/L	0.0179 mg/L	23:56:00
1	Ca 315.887†	11222960.4	8757374.9	82.48 mg/L	82.48 mg/L	23:55:57
1	Cd 228.802†	828.4	583.6	0.0190 mg/L	0.0190 mg/L	23:56:11
1	Co 228.616†	5376.3	4260.1	0.0995 mg/L	0.0995 mg/L	23:56:11
1	Cr 267.716†	55496.2	42896.5	0.4693 mg/L	0.4693 mg/L	23:56:00
1	Cu 324.752†	795301.1	619358.0	3.486 mg/L	3.486 mg/L	23:56:00
1	Fe 238.204†	17361510.8	13547418.0	114.5 mg/L	114.5 mg/L	23:55:57

1	Mg	279.077†	130231.2	101487.4	8.918	mg/L	8.918	mg/L	23:56:00
1	Mn	257.610†	1225004.9	954730.4	1.685	mg/L	1.685	mg/L	23:56:00
1	Mo	202.031†	1407.6	1071.2	0.0109	mg/L	0.0109	mg/L	23:56:11
1	Ni	231.604†	17936.1	14014.7	0.4929	mg/L	0.4929	mg/L	23:56:11
1	P	214.914†	21010.4	16052.2	9.842	mg/L	9.842	mg/L	23:56:11
1	Pb	220.353†	102983.1	80301.9	6.905	mg/L	6.905	mg/L	23:56:00
1	Sb	206.836†	106.0	45.9	-0.0243	mg/L	-0.0243	mg/L	23:56:11
1	Se	196.026†	-27.5	-21.6	0.0373	mg/L	0.0373	mg/L	23:56:11
1	Sn	189.927†	866.7	673.4	0.5590	mg/L	0.5590	mg/L	23:56:11
1	Ti	337.279†	2215738.9	1729449.7	2.445	mg/L	2.445	mg/L	23:56:00
1	Tl	190.801†	35.8	26.0	-0.0705	mg/L	-0.0705	mg/L	23:56:11
1	V	292.402†	83199.6	65605.6	0.3836	mg/L	0.3836	mg/L	23:56:00
1	Zn	213.857†	245242.6	190567.1	2.039	mg/L	2.039	mg/L	23:56:00
2	B	249.677†	367.7	280.4	0.1656	mg/L	0.1656	mg/L	23:55:50
2	Fe	234.349†	209185.2	161881.7	138.7	mg/L	138.7	mg/L	23:55:48
2	K	766.490†	16487.7	12590.1	6.969	mg/L	6.969	mg/L	23:55:50
2	Li	670.784†	2810.9	2350.7	0.0732	mg/L	0.0732	mg/L	23:55:50
2	Na	589.592†	33569.7	25827.0	4.326	mg/L	4.326	mg/L	23:55:48
2	Sr	407.771†	2526124.3	1954685.4	2.051	mg/L	2.051	mg/L	23:55:48
2	Y	371.029	3200927.2	3200927.2	1.29	mg/L			23:56:19
2	Ag	328.068†	113838.2	86708.4	0.7469	mg/L	0.7469	mg/L	23:56:19
2	Al	237.313†	588528.5	455554.5	58.81	mg/L	58.81	mg/L	23:56:19
2	As	188.979†	376.5	288.4	0.4190	mg/L	0.4190	mg/L	23:56:29
2	B	182.528†	100.8	75.4	0.1524	mg/L	0.1524	mg/L	23:56:29
2	Ba	233.527†	416870.2	322645.3	4.463	mg/L	4.463	mg/L	23:56:19
2	Be	313.107†	38309.5	30161.3	0.0179	mg/L	0.0179	mg/L	23:56:19
2	Ca	315.887†	11141938.3	8621927.3	81.21	mg/L	81.21	mg/L	23:56:15
2	Cd	228.802†	834.1	582.6	0.0190	mg/L	0.0190	mg/L	23:56:29
2	Co	228.616†	5324.2	4184.9	0.0976	mg/L	0.0976	mg/L	23:56:29
2	Cr	267.716†	55483.7	42527.2	0.4652	mg/L	0.4652	mg/L	23:56:19
2	Cu	324.752†	799144.5	617176.9	3.474	mg/L	3.474	mg/L	23:56:19
2	Fe	238.204†	17248270.6	13347247.4	112.8	mg/L	112.8	mg/L	23:56:15
2	Mg	279.077†	130676.6	100987.9	8.874	mg/L	8.874	mg/L	23:56:19
2	Mn	257.610†	1230753.9	951238.6	1.679	mg/L	1.679	mg/L	23:56:19
2	Mo	202.031†	1402.4	1058.1	0.0106	mg/L	0.0106	mg/L	23:56:29
2	Ni	231.604†	17800.1	13793.2	0.4851	mg/L	0.4851	mg/L	23:56:29
2	P	214.914†	20927.5	15851.8	9.720	mg/L	9.720	mg/L	23:56:29
2	Pb	220.353†	103240.9	79833.8	6.865	mg/L	6.865	mg/L	23:56:19
2	Sb	206.836†	103.5	43.3	-0.0260	mg/L	-0.0260	mg/L	23:56:29
2	Se	196.026†	-34.0	-26.4	0.0320	mg/L	0.0320	mg/L	23:56:29
2	Sn	189.927†	827.6	637.5	0.5471	mg/L	0.5471	mg/L	23:56:29
2	Ti	337.279†	2225548.5	1722677.9	2.436	mg/L	2.436	mg/L	23:56:19
2	Tl	190.801†	33.3	23.7	-0.0713	mg/L	-0.0713	mg/L	23:56:29
2	V	292.402†	83518.9	65313.4	0.3820	mg/L	0.3820	mg/L	23:56:19
2	Zn	213.857†	246240.9	189750.0	2.030	mg/L	2.030	mg/L	23:56:19

Mean Data: 1210127-04

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3187632.1	1.29	mg/L	0.008				0.59%
Ag 328.068†	86852.0	0.7482	mg/L	0.00180	0.7482	mg/L	0.00180	0.24%
Al 237.313†	456084.5	58.88	mg/L	0.097	58.88	mg/L	0.097	0.16%
As 188.979†	293.2	0.4253	mg/L	0.00886	0.4253	mg/L	0.00886	2.08%
B 182.528†	74.0	0.1497	mg/L	0.00383	0.1497	mg/L	0.00383	2.56%
B 249.677†	277.4	0.1639	mg/L	0.00250	0.1639	mg/L	0.00250	1.53%
Ba 233.527†	323171.4	4.470	mg/L	0.0103	4.470	mg/L	0.0103	0.23%
Be 313.107†	30202.2	0.0179	mg/L	0.00003	0.0179	mg/L	0.00003	0.19%
Ca 315.887†	8689651.1	81.84	mg/L	0.902	81.84	mg/L	0.902	1.10%
Cd 228.802†	583.1	0.0190	mg/L	0.00001	0.0190	mg/L	0.00001	0.07%
Co 228.616†	4222.5	0.0985	mg/L	0.00132	0.0985	mg/L	0.00132	1.34%
Cr 267.716†	42711.9	0.4672	mg/L	0.00288	0.4672	mg/L	0.00288	0.62%
Cu 324.752†	618267.4	3.480	mg/L	0.0087	3.480	mg/L	0.0087	0.25%
Fe 234.349†	162644.2	139.4	mg/L	0.92	139.4	mg/L	0.92	0.66%
Fe 238.204†	13447332.7	113.6	mg/L	1.20	113.6	mg/L	1.20	1.05%
K 766.490†	12639.3	6.996	mg/L	0.0374	6.996	mg/L	0.0374	0.54%
Li 670.784†	2354.5	0.0733	mg/L	0.00017	0.0733	mg/L	0.00017	0.23%
Mg 279.077†	101237.6	8.896	mg/L	0.0312	8.896	mg/L	0.0312	0.35%
Mn 257.610†	952984.5	1.682	mg/L	0.0044	1.682	mg/L	0.0044	0.26%
Mo 202.031†	1064.7	0.0107	mg/L	0.00020	0.0107	mg/L	0.00020	1.88%
Na 589.592†	25944.9	4.345	mg/L	0.0273	4.345	mg/L	0.0273	0.63%
Ni 231.604†	13904.0	0.4890	mg/L	0.00555	0.4890	mg/L	0.00555	1.14%
P 214.914†	15952.0	9.781	mg/L	0.0863	9.781	mg/L	0.0863	0.88%

2	Mn 257.610†	2034088.5	1642336.7	2.902 mg/L	2.902 mg/L	00:00:25
2	Mo 202.031†	624.0	477.1	-0.1003 mg/L	-0.1003 mg/L	00:00:28
2	Ni 231.604†	21153.9	17110.8	0.6026 mg/L	0.6026 mg/L	00:00:28
2	P 214.914†	11215.8	8719.5	6.021 mg/L	6.021 mg/L	00:00:38
2	Pb 220.353†	79118.5	63868.1	5.481 mg/L	5.481 mg/L	00:00:28
2	Sb 206.836†	122.6	62.3	-0.1181 mg/L	-0.1181 mg/L	00:00:38
2	Se 196.026†	-114.4	-92.5	0.0744 mg/L	0.0744 mg/L	00:00:38
2	Sn 189.927†	1782.5	1437.4	1.459 mg/L	1.459 mg/L	00:00:38
2	Ti 337.279†	2823051.2	2281430.9	3.226 mg/L	3.226 mg/L	00:00:25
2	Tl 190.801†	-1.5	-3.2	-0.2394 mg/L	-0.2394 mg/L	00:00:38
2	V 292.402†	670477.4	542416.1	3.323 mg/L	3.323 mg/L	00:00:28
2	Zn 213.857†	574372.2	463280.7	4.965 mg/L	4.965 mg/L	00:00:28

Mean Data: 1210127-05

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3056192.0	1.23 mg/L		0.005			0.44%
Ag 328.068†	114550.7	1.004 mg/L		0.0002	1.004 mg/L	0.0002	0.02%
Al 237.313†	485346.6	62.66 mg/L		1.024	62.66 mg/L	1.024	1.63%
As 188.979†	244.2	0.4652 mg/L		0.01541	0.4652 mg/L	0.01541	3.31%
B 182.528†	27.7	0.0594 mg/L		0.00376	0.0594 mg/L	0.00376	6.32%
B 249.677†	46.2	0.0294 mg/L		0.00198	0.0294 mg/L	0.00198	6.75%
Ba 233.527†	193778.3	2.678 mg/L		0.0060	2.678 mg/L	0.0060	0.22%
Be 313.107†	11048.8	0.0065 mg/L		0.00002	0.0065 mg/L	0.00002	0.25%
Ca 315.887†	3398187.4	32.02 mg/L		0.514	32.02 mg/L	0.514	1.60%
Cd 228.802†	597.9	0.0196 mg/L		0.00007	0.0196 mg/L	0.00007	0.36%
Co 228.616†	3067.7	0.0679 mg/L		0.00122	0.0679 mg/L	0.00122	1.80%
Cr 267.716†	52202.1	0.5717 mg/L		0.00150	0.5717 mg/L	0.00150	0.26%
Cu 324.752†	1109869.9	6.249 mg/L		0.0961	6.249 mg/L	0.0961	1.54%
Fe 234.349†	457051.7	391.8 mg/L		4.11	391.8 mg/L	4.11	1.05%
Fe 238.204†	30896513.6	261.1 mg/L		1.01	261.1 mg/L	1.01	0.39%
K 766.490†	15576.5	8.575 mg/L		0.0611	8.575 mg/L	0.0611	0.71%
Li 670.784†	3903.3	0.1212 mg/L		0.00033	0.1212 mg/L	0.00033	0.27%
Mg 279.077†	193331.3	17.02 mg/L		0.045	17.02 mg/L	0.045	0.26%
Mn 257.610†	1660714.2	2.934 mg/L		0.0459	2.934 mg/L	0.0459	1.57%
Mo 202.031†	477.7	-0.1012 mg/L		0.00130	-0.1012 mg/L	0.00130	1.28%
Na 589.592†	9353.4	1.631 mg/L		0.0136	1.631 mg/L	0.0136	0.84%
Ni 231.604†	17123.2	0.6031 mg/L		0.00062	0.6031 mg/L	0.00062	0.10%
P 214.914†	8799.7	6.075 mg/L		0.0754	6.075 mg/L	0.0754	1.24%
Pb 220.353†	63718.6	5.468 mg/L		0.0186	5.468 mg/L	0.0186	0.34%
Sb 206.836†	57.9	-0.1231 mg/L		0.00705	-0.1231 mg/L	0.00705	5.72%
Se 196.026†	-93.8	0.0745 mg/L		0.00005	0.0745 mg/L	0.00005	0.07%
Sn 189.927†	1442.3	1.469 mg/L		0.0136	1.469 mg/L	0.0136	0.93%
Sr 407.771†	837812.1	0.8794 mg/L		0.00960	0.8794 mg/L	0.00960	1.09%
Ti 337.279†	2306291.8	3.261 mg/L		0.0498	3.261 mg/L	0.0498	1.53%
Tl 190.801†	-2.6	-0.2407 mg/L		0.00184	-0.2407 mg/L	0.00184	0.76%
V 292.402†	541067.6	3.314 mg/L		0.0128	3.314 mg/L	0.0128	0.39%
Zn 213.857†	462470.1	4.956 mg/L		0.0125	4.956 mg/L	0.0125	0.25%

Sequence No.: 118

Sample ID: 1210127-06

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 106

Date Collected: 10/7/2012 12:02:14 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	301.9	248.8	0.1473 mg/L	0.1473 mg/L	00:03:57
1	Fe 234.349†	215193.7	180264.1	154.5 mg/L	154.5 mg/L	00:03:54
1	K 766.490†	20567.4	17059.7	9.373 mg/L	9.373 mg/L	00:03:57
1	Li 670.784†	3773.3	3336.2	0.1036 mg/L	0.1036 mg/L	00:03:57
1	Na 589.592†	25146.1	20913.2	3.522 mg/L	3.522 mg/L	00:03:57
1	Sr 407.771†	491944.1	411949.3	0.4326 mg/L	0.4326 mg/L	00:03:54
1	Y 371.029	2957066.4	2957066.4	1.19 mg/L		00:04:11
1	Ag 328.068†	202983.3	168646.0	1.445 mg/L	1.445 mg/L	00:04:13
1	Al 237.313†	664410.6	556675.4	71.86 mg/L	71.86 mg/L	00:04:11
1	As 188.979†	62.2	49.1	0.1269 mg/L	0.1269 mg/L	00:04:23
1	B 182.528†	83.2	67.0	0.1362 mg/L	0.1362 mg/L	00:04:23
1	Ba 233.527†	77559.9	65022.9	0.8976 mg/L	0.8976 mg/L	00:04:13

1	Be	313.107†	7806.7	7055.2	0.0041 mg/L	0.0041 mg/L	00:04:13
1	Ca	315.887†	10174438.6	8522533.1	80.27 mg/L	80.27 mg/L	00:04:08
1	Cd	228.802†	770.9	582.9	0.0203 mg/L	0.0203 mg/L	00:04:23
1	Co	228.616†	2979.4	2560.6	0.0547 mg/L	0.0547 mg/L	00:04:23
1	Cr	267.716†	24803.3	20368.3	0.2211 mg/L	0.2211 mg/L	00:04:13
1	Cu	324.752†	1837097.0	1537623.0	8.658 mg/L	8.658 mg/L	00:04:11
1	Fe	238.204†	17402881.2	14577480.2	123.2 mg/L	123.2 mg/L	00:04:08
1	Mg	279.077†	268703.5	224946.3	19.81 mg/L	19.81 mg/L	00:04:11
1	Mn	257.610†	1499978.8	1255298.8	2.217 mg/L	2.217 mg/L	00:04:11
1	Mo	202.031†	452.0	351.5	-0.0356 mg/L	-0.0356 mg/L	00:04:13
1	Ni	231.604†	40753.4	34156.1	1.207 mg/L	1.207 mg/L	00:04:13
1	P	214.914†	10640.8	8570.6	5.329 mg/L	5.329 mg/L	00:04:13
1	Pb	220.353†	918595.4	769409.3	66.36 mg/L	66.36 mg/L	00:04:11
1	Sb	206.836†	99.8	46.8	-0.0299 mg/L	-0.0299 mg/L	00:04:23
1	Se	196.026†	-52.3	-43.9	0.0218 mg/L	0.0218 mg/L	00:04:23
1	Sn	189.927†	2696.2	2255.6	0.9590 mg/L	0.9590 mg/L	00:04:23
1	Ti	337.279†	2936691.6	2460398.0	3.480 mg/L	3.480 mg/L	00:04:11
1	Tl	190.801†	26.1	19.9	-0.0844 mg/L	-0.0844 mg/L	00:04:23
1	V	292.402†	97710.0	82530.5	0.4843 mg/L	0.4843 mg/L	00:04:13
1	Zn	213.857†	483297.6	404036.3	4.320 mg/L	4.320 mg/L	00:04:13
2	B	249.677†	286.4	234.1	0.1387 mg/L	0.1387 mg/L	00:04:01
2	Fe	234.349†	214898.5	178762.8	153.2 mg/L	153.2 mg/L	00:03:59
2	K	766.490†	20654.2	17011.9	9.347 mg/L	9.347 mg/L	00:04:01
2	Li	670.784†	3860.0	3386.3	0.1052 mg/L	0.1052 mg/L	00:04:01
2	Na	589.592†	25185.9	20799.6	3.504 mg/L	3.504 mg/L	00:04:01
2	Sr	407.771†	491362.2	408594.3	0.4291 mg/L	0.4291 mg/L	00:03:59
2	Y	371.029	2977812.2	2977812.2	1.20 mg/L	1.20 mg/L	00:04:31
2	Ag	328.068†	199735.6	164760.0	1.412 mg/L	1.412 mg/L	00:04:33
2	Al	237.313†	664992.3	553281.9	71.42 mg/L	71.42 mg/L	00:04:31
2	As	188.979†	72.8	57.5	0.1369 mg/L	0.1369 mg/L	00:04:43
2	B	182.528†	78.6	62.7	0.1278 mg/L	0.1278 mg/L	00:04:43
2	Ba	233.527†	76144.6	63393.1	0.8751 mg/L	0.8751 mg/L	00:04:33
2	Be	313.107†	7622.2	6856.2	0.0040 mg/L	0.0040 mg/L	00:04:33
2	Ca	315.887†	10359621.8	8617196.7	81.16 mg/L	81.16 mg/L	00:04:28
2	Cd	228.802†	775.9	582.6	0.0203 mg/L	0.0203 mg/L	00:04:43
2	Co	228.616†	2971.8	2536.9	0.0542 mg/L	0.0542 mg/L	00:04:43
2	Cr	267.716†	24375.8	19868.0	0.2156 mg/L	0.2156 mg/L	00:04:33
2	Cu	324.752†	1841323.9	1530418.2	8.617 mg/L	8.617 mg/L	00:04:31
2	Fe	238.204†	17651989.4	14683134.4	124.1 mg/L	124.1 mg/L	00:04:28
2	Mg	279.077†	268329.9	223067.5	19.64 mg/L	19.64 mg/L	00:04:31
2	Mn	257.610†	1502491.8	1248635.6	2.205 mg/L	2.205 mg/L	00:04:31
2	Mo	202.031†	455.9	352.1	-0.0351 mg/L	-0.0351 mg/L	00:04:33
2	Ni	231.604†	39953.1	33252.6	1.175 mg/L	1.175 mg/L	00:04:33
2	P	214.914†	10436.6	8338.7	5.189 mg/L	5.189 mg/L	00:04:33
2	Pb	220.353†	919342.0	764669.6	65.95 mg/L	65.95 mg/L	00:04:31
2	Sb	206.836†	106.2	51.5	-0.0254 mg/L	-0.0254 mg/L	00:04:43
2	Se	196.026†	-59.4	-49.5	0.0158 mg/L	0.0158 mg/L	00:04:43
2	Sn	189.927†	2688.8	2233.7	0.9503 mg/L	0.9503 mg/L	00:04:43
2	Ti	337.279†	2942557.9	2448139.9	3.462 mg/L	3.462 mg/L	00:04:31
2	Tl	190.801†	26.5	20.0	-0.0835 mg/L	-0.0835 mg/L	00:04:43
2	V	292.402†	95327.8	79978.7	0.4685 mg/L	0.4685 mg/L	00:04:33
2	Zn	213.857†	472479.9	392217.5	4.194 mg/L	4.194 mg/L	00:04:33

Mean Data: 1210127-06

Analyte	Mean Corrected		Calib		Sample			RSD
	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	
Y 371.029	2967439.3	1.20	mg/L	0.006				0.49%
Ag 328.068†	166703.0	1.429	mg/L	0.0235	1.429	mg/L	0.0235	1.64%
Al 237.313†	554978.6	71.64	mg/L	0.310	71.64	mg/L	0.310	0.43%
As 188.979†	53.3	0.1319	mg/L	0.00710	0.1319	mg/L	0.00710	5.38%
B 182.528†	64.9	0.1320	mg/L	0.00594	0.1320	mg/L	0.00594	4.50%
B 249.677†	241.4	0.1430	mg/L	0.00605	0.1430	mg/L	0.00605	4.23%
Ba 233.527†	64208.0	0.8864	mg/L	0.01594	0.8864	mg/L	0.01594	1.80%
Be 313.107†	6955.7	0.0040	mg/L	0.00008	0.0040	mg/L	0.00008	2.10%
Ca 315.887†	8569864.9	80.72	mg/L	0.630	80.72	mg/L	0.630	0.78%
Cd 228.802†	582.7	0.0203	mg/L	0.00004	0.0203	mg/L	0.00004	0.20%
Co 228.616†	2548.8	0.0545	mg/L	0.00040	0.0545	mg/L	0.00040	0.73%
Cr 267.716†	20118.1	0.2184	mg/L	0.00390	0.2184	mg/L	0.00390	1.78%
Cu 324.752†	1534020.6	8.637	mg/L	0.0287	8.637	mg/L	0.0287	0.33%
Fe 234.349†	179513.5	153.8	mg/L	0.91	153.8	mg/L	0.91	0.59%
Fe 238.204†	14630307.3	123.6	mg/L	0.63	123.6	mg/L	0.63	0.51%
K 766.490†	17035.8	9.360	mg/L	0.0182	9.360	mg/L	0.0182	0.19%

Li 670.784†	3361.3	0.1044 mg/L	0.00109	0.1044 mg/L	0.00109	1.05%
Mg 279.077†	224006.9	19.73 mg/L	0.117	19.73 mg/L	0.117	0.59%
Mn 257.610†	1251967.2	2.211 mg/L	0.0083	2.211 mg/L	0.0083	0.38%
Mo 202.031†	351.8	-0.0354 mg/L	0.00033	-0.0354 mg/L	0.00033	0.93%
Na 589.592†	20856.4	3.513 mg/L	0.0131	3.513 mg/L	0.0131	0.37%
Ni 231.604†	33704.4	1.191 mg/L	0.0226	1.191 mg/L	0.0226	1.90%
P 214.914†	8454.7	5.259 mg/L	0.0992	5.259 mg/L	0.0992	1.89%
Pb 220.353†	767039.5	66.16 mg/L	0.289	66.16 mg/L	0.289	0.44%
Sb 206.836†	49.2	-0.0276 mg/L	0.00319	-0.0276 mg/L	0.00319	11.56%
Se 196.026†	-46.7	0.0188 mg/L	0.00424	0.0188 mg/L	0.00424	22.54%
Sn 189.927†	2244.7	0.9546 mg/L	0.00616	0.9546 mg/L	0.00616	0.64%
Sr 407.771†	410271.8	0.4308 mg/L	0.00249	0.4308 mg/L	0.00249	0.58%
Ti 337.279†	2454269.0	3.471 mg/L	0.0123	3.471 mg/L	0.0123	0.35%
Tl 190.801†	20.0	-0.0840 mg/L	0.00063	-0.0840 mg/L	0.00063	0.75%
V 292.402†	81254.6	0.4764 mg/L	0.01114	0.4764 mg/L	0.01114	2.34%
Zn 213.857†	398126.9	4.257 mg/L	0.0897	4.257 mg/L	0.0897	2.11%

Sequence No.: 119

Autosampler Location: 107

Sample ID: 1210127-07

Date Collected: 10/7/2012 12:06:19 AM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210127-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	628.6	518.0	0.3039 mg/L	0.3039 mg/L	00:08:00
1	Fe 234.349†	400559.8	332705.5	285.0 mg/L	285.0 mg/L	00:07:58
1	K 766.490†	27264.2	22476.6	12.29 mg/L	12.29 mg/L	00:08:00
1	Li 670.784†	5342.7	4613.1	0.1431 mg/L	0.1431 mg/L	00:08:00
1	Na 589.592†	53543.4	44321.9	7.351 mg/L	7.351 mg/L	00:08:00
1	Sr 407.771†	1269244.6	1054087.1	1.106 mg/L	1.106 mg/L	00:07:58
1	Y 371.029	2982235.5	2982235.5	1.20 mg/L		00:08:16
1	Ag 328.068†	127825.4	104785.9	0.9122 mg/L	0.9122 mg/L	00:08:16
1	Al 237.313†	1008554.0	837819.3	108.2 mg/L	108.2 mg/L	00:08:16
1	As 188.979†	129.7	104.8	0.2492 mg/L	0.2492 mg/L	00:08:26
1	B 182.528†	196.2	160.3	0.3181 mg/L	0.3181 mg/L	00:08:26
1	Ba 233.527†	143859.1	119541.9	1.651 mg/L	1.651 mg/L	00:08:16
1	Be 313.107†	12989.0	11304.3	0.0068 mg/L	0.0068 mg/L	00:08:16
1	Ca 315.887†	18257526.6	15164312.4	142.8 mg/L	142.8 mg/L	00:08:12
1	Cd 228.802†	2393.6	1925.2	0.0675 mg/L	0.0675 mg/L	00:08:26
1	Co 228.616†	5487.4	4622.7	0.1035 mg/L	0.1035 mg/L	00:08:26
1	Cr 267.716†	209465.1	173570.6	1.908 mg/L	1.908 mg/L	00:08:16
1	Cu 324.752†	4721049.2	3920008.9	22.07 mg/L	22.07 mg/L	00:08:12
1	Fe 238.204†	29790555.1	24743491.0	209.1 mg/L	209.1 mg/L	00:08:12
1	Mg 279.077†	402721.7	334360.5	29.47 mg/L	29.47 mg/L	00:08:16
1	Mn 257.610†	3816999.6	3169182.0	5.601 mg/L	5.601 mg/L	00:08:16
1	Mo 202.031†	848.1	677.3	-0.0683 mg/L	-0.0683 mg/L	00:08:26
1	Ni 231.604†	103969.3	86374.3	3.057 mg/L	3.057 mg/L	00:08:16
1	P 214.914†	19188.0	15594.6	9.566 mg/L	9.566 mg/L	00:08:16
1	Pb 220.353†	589966.9	489960.7	42.22 mg/L	42.22 mg/L	00:08:16
1	Sb 206.836†	127.3	68.9	-0.0681 mg/L	-0.0681 mg/L	00:08:26
1	Se 196.026†	-92.7	-77.0	0.0453 mg/L	0.0453 mg/L	00:08:26
1	Sn 189.927†	6637.4	5510.1	2.077 mg/L	2.077 mg/L	00:08:26
1	Ti 337.279†	4286571.4	3560829.6	5.037 mg/L	5.037 mg/L	00:08:16
1	Tl 190.801†	23.1	17.2	-0.1655 mg/L	-0.1655 mg/L	00:08:26
1	V 292.402†	330823.0	275460.4	1.677 mg/L	1.677 mg/L	00:08:16
1	Zn 213.857†	1392746.9	1155996.3	12.37 mg/L	12.37 mg/L	00:08:16
2	B 249.677†	642.2	525.7	0.3084 mg/L	0.3084 mg/L	00:08:05
2	Fe 234.349†	401487.7	331278.1	283.8 mg/L	283.8 mg/L	00:08:02
2	K 766.490†	27335.4	22386.1	12.24 mg/L	12.24 mg/L	00:08:05
2	Li 670.784†	5300.0	4548.6	0.1411 mg/L	0.1411 mg/L	00:08:05
2	Na 589.592†	53979.5	44388.5	7.362 mg/L	7.362 mg/L	00:08:05
2	Sr 407.771†	1272394.2	1049736.8	1.102 mg/L	1.102 mg/L	00:08:02
2	Y 371.029	3002023.9	3002023.9	1.21 mg/L		00:08:35
2	Ag 328.068†	128272.6	104455.0	0.9093 mg/L	0.9093 mg/L	00:08:35
2	Al 237.313†	1011540.7	834761.8	107.8 mg/L	107.8 mg/L	00:08:35
2	As 188.979†	138.6	111.4	0.2570 mg/L	0.2570 mg/L	00:08:45
2	B 182.528†	201.9	164.0	0.3253 mg/L	0.3253 mg/L	00:08:45
2	Ba 233.527†	143971.6	118847.1	1.642 mg/L	1.642 mg/L	00:08:35
2	Be 313.107†	13152.3	11367.9	0.0068 mg/L	0.0068 mg/L	00:08:35

2	Ca	315.887†	18471362.1	15240790.9	143.6	mg/L	143.6	mg/L	00:08:32
2	Cd	228.802†	2417.3	1931.7	0.0677	mg/L	0.0677	mg/L	00:08:45
2	Co	228.616†	5501.9	4604.6	0.1030	mg/L	0.1030	mg/L	00:08:45
2	Cr	267.716†	209612.5	172545.4	1.897	mg/L	1.897	mg/L	00:08:35
2	Cu	324.752†	4772897.9	3936942.1	22.17	mg/L	22.17	mg/L	00:08:32
2	Fe	238.204†	30066355.0	24807953.8	209.7	mg/L	209.7	mg/L	00:08:32
2	Mg	279.077†	402056.4	331606.7	29.23	mg/L	29.23	mg/L	00:08:35
2	Mn	257.610†	3820431.3	3151115.6	5.569	mg/L	5.569	mg/L	00:08:35
2	Mo	202.031†	862.9	684.9	-0.0676	mg/L	-0.0676	mg/L	00:08:45
2	Ni	231.604†	103949.5	85788.8	3.036	mg/L	3.036	mg/L	00:08:35
2	P	214.914†	19175.7	15479.4	9.492	mg/L	9.492	mg/L	00:08:35
2	Pb	220.353†	589281.7	486165.3	41.89	mg/L	41.89	mg/L	00:08:35
2	Sb	206.836†	125.0	66.3	-0.0697	mg/L	-0.0697	mg/L	00:08:45
2	Se	196.026†	-95.1	-78.5	0.0433	mg/L	0.0433	mg/L	00:08:45
2	Sn	189.927†	6728.1	5548.6	2.082	mg/L	2.082	mg/L	00:08:45
2	Ti	337.279†	4302537.2	3550534.3	5.022	mg/L	5.022	mg/L	00:08:35
2	Tl	190.801†	23.8	17.7	-0.1644	mg/L	-0.1644	mg/L	00:08:45
2	V	292.402†	331655.1	274335.7	1.670	mg/L	1.670	mg/L	00:08:35
2	Zn	213.857†	1392182.5	1147905.3	12.28	mg/L	12.28	mg/L	00:08:35

Mean Data: 1210127-07

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2992129.7	1.21	mg/L	0.006				0.47%
Ag 328.068†	104620.5	0.9108	mg/L	0.00206	0.9108	mg/L	0.00206	0.23%
Al 237.313†	836290.6	108.0	mg/L	0.28	108.0	mg/L	0.28	0.26%
As 188.979†	108.1	0.2531	mg/L	0.00549	0.2531	mg/L	0.00549	2.17%
B 182.528†	162.1	0.3217	mg/L	0.00505	0.3217	mg/L	0.00505	1.57%
B 249.677†	521.9	0.3061	mg/L	0.00318	0.3061	mg/L	0.00318	1.04%
Ba 233.527†	119194.5	1.647	mg/L	0.0068	1.647	mg/L	0.0068	0.41%
Be 313.107†	11336.1	0.0068	mg/L	0.00003	0.0068	mg/L	0.00003	0.38%
Ca 315.887†	15202551.6	143.2	mg/L	0.51	143.2	mg/L	0.51	0.36%
Cd 228.802†	1928.5	0.0676	mg/L	0.00014	0.0676	mg/L	0.00014	0.20%
Co 228.616†	4613.6	0.1033	mg/L	0.00030	0.1033	mg/L	0.00030	0.29%
Cr 267.716†	173058.0	1.903	mg/L	0.0080	1.903	mg/L	0.0080	0.42%
Cu 324.752†	3928475.5	22.12	mg/L	0.067	22.12	mg/L	0.067	0.30%
Fe 234.349†	331991.8	284.4	mg/L	0.87	284.4	mg/L	0.87	0.30%
Fe 238.204†	24775722.4	209.4	mg/L	0.39	209.4	mg/L	0.39	0.18%
K 766.490†	22431.3	12.26	mg/L	0.034	12.26	mg/L	0.034	0.28%
Li 670.784†	4580.8	0.1421	mg/L	0.00141	0.1421	mg/L	0.00141	0.99%
Mg 279.077†	332983.6	29.35	mg/L	0.172	29.35	mg/L	0.172	0.59%
Mn 257.610†	3160148.8	5.585	mg/L	0.0226	5.585	mg/L	0.0226	0.40%
Mo 202.031†	681.1	-0.0679	mg/L	0.00051	-0.0679	mg/L	0.00051	0.75%
Na 589.592†	44355.2	7.357	mg/L	0.0077	7.357	mg/L	0.0077	0.10%
Ni 231.604†	86081.6	3.047	mg/L	0.0147	3.047	mg/L	0.0147	0.48%
P 214.914†	15537.0	9.529	mg/L	0.0518	9.529	mg/L	0.0518	0.54%
Pb 220.353†	488063.0	42.06	mg/L	0.232	42.06	mg/L	0.232	0.55%
Sb 206.836†	67.6	-0.0689	mg/L	0.00118	-0.0689	mg/L	0.00118	1.72%
Se 196.026†	-77.8	0.0443	mg/L	0.00137	0.0443	mg/L	0.00137	3.09%
Sn 189.927†	5529.4	2.079	mg/L	0.0036	2.079	mg/L	0.0036	0.17%
Sr 407.771†	1051912.0	1.104	mg/L	0.0032	1.104	mg/L	0.0032	0.29%
Ti 337.279†	3555681.9	5.029	mg/L	0.0103	5.029	mg/L	0.0103	0.20%
Tl 190.801†	17.4	-0.1649	mg/L	0.00075	-0.1649	mg/L	0.00075	0.46%
V 292.402†	274898.0	1.674	mg/L	0.0049	1.674	mg/L	0.0049	0.29%
Zn 213.857†	1151950.8	12.33	mg/L	0.062	12.33	mg/L	0.062	0.50%

Sequence No.: 120
Sample ID: 1210127-08
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 108
Date Collected: 10/7/2012 12:10:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	62.1	47.2	0.0299	mg/L	0.0299	mg/L	00:12:03
1	Fe 234.349†	207834.1	171910.0	147.3	mg/L	147.3	mg/L	00:12:01
1	K 766.490†	13891.8	11321.5	6.287	mg/L	6.287	mg/L	00:12:03
1	Li 670.784†	5030.8	4336.6	0.1345	mg/L	0.1345	mg/L	00:12:03
1	Na 589.592†	4635.2	3683.3	0.7038	mg/L	0.7038	mg/L	00:12:03

1	Sr 407.771†	332840.0	275168.6	0.2891 mg/L	0.2891 mg/L	00:12:01
1	Y 371.029	2994725.6	2994725.6	1.21 mg/L		00:12:18
1	Ag 328.068†	41579.1	33006.8	0.2907 mg/L	0.2907 mg/L	00:12:20
1	Al 237.313†	989008.8	818159.3	105.6 mg/L	105.6 mg/L	00:12:18
1	As 188.979†	58.3	45.2	0.1196 mg/L	0.1196 mg/L	00:12:30
1	B 182.528†	27.8	20.3	0.0450 mg/L	0.0450 mg/L	00:12:30
1	Ba 233.527†	44173.7	36591.5	0.5043 mg/L	0.5043 mg/L	00:12:20
1	Be 313.107†	8198.5	7297.1	0.0042 mg/L	0.0042 mg/L	00:12:20
1	Ca 315.887†	6305918.8	5215617.9	49.12 mg/L	49.12 mg/L	00:12:14
1	Cd 228.802†	499.1	350.0	0.0121 mg/L	0.0121 mg/L	00:12:30
1	Co 228.616†	3115.7	2641.9	0.0546 mg/L	0.0546 mg/L	00:12:30
1	Cr 267.716†	11257.2	8902.8	0.0949 mg/L	0.0949 mg/L	00:12:20
1	Cu 324.752†	1490291.3	1231420.8	6.934 mg/L	6.934 mg/L	00:12:18
1	Fe 238.204†	18541291.5	15335769.5	129.6 mg/L	129.6 mg/L	00:12:14
1	Mg 279.077†	384174.5	317624.6	27.98 mg/L	27.98 mg/L	00:12:18
1	Mn 257.610†	1379538.8	1139879.9	2.013 mg/L	2.013 mg/L	00:12:18
1	Mo 202.031†	308.8	228.3	-0.0387 mg/L	-0.0387 mg/L	00:12:20
1	Ni 231.604†	14816.9	12274.2	0.4312 mg/L	0.4312 mg/L	00:12:20
1	P 214.914†	14209.2	11410.1	7.033 mg/L	7.033 mg/L	00:12:20
1	Pb 220.353†	24209.1	19965.7	1.680 mg/L	1.680 mg/L	00:12:20
1	Sb 206.836†	75.2	25.4	-0.0450 mg/L	-0.0450 mg/L	00:12:30
1	Se 196.026†	-59.2	-49.0	0.0138 mg/L	0.0138 mg/L	00:12:30
1	Sn 189.927†	1596.5	1317.6	0.7260 mg/L	0.7260 mg/L	00:12:30
1	Ti 337.279†	3933304.8	3253785.5	4.602 mg/L	4.602 mg/L	00:12:18
1	Tl 190.801†	18.0	12.9	-0.0862 mg/L	-0.0862 mg/L	00:12:30
1	V 292.402†	41833.9	35284.8	0.1879 mg/L	0.1879 mg/L	00:12:20
1	Zn 213.857†	491795.1	405973.9	4.349 mg/L	4.349 mg/L	00:12:20
2	B 249.677†	55.5	41.6	0.0267 mg/L	0.0267 mg/L	00:12:08
2	Fe 234.349†	210010.1	173225.1	148.5 mg/L	148.5 mg/L	00:12:05
2	K 766.490†	14092.8	11455.2	6.359 mg/L	6.359 mg/L	00:12:08
2	Li 670.784†	5215.2	4477.0	0.1389 mg/L	0.1389 mg/L	00:12:08
2	Na 589.592†	4791.5	3801.5	0.7231 mg/L	0.7231 mg/L	00:12:08
2	Sr 407.771†	336337.3	277284.9	0.2913 mg/L	0.2913 mg/L	00:12:05
2	Y 371.029	3003107.3	3003107.3	1.21 mg/L		00:12:38
2	Ag 328.068†	41030.1	32458.0	0.2861 mg/L	0.2861 mg/L	00:12:40
2	Al 237.313†	995735.7	821424.6	106.0 mg/L	106.0 mg/L	00:12:38
2	As 188.979†	65.3	50.8	0.1271 mg/L	0.1271 mg/L	00:12:51
2	B 182.528†	21.5	15.1	0.0348 mg/L	0.0348 mg/L	00:12:51
2	Ba 233.527†	43467.7	35907.2	0.4949 mg/L	0.4949 mg/L	00:12:40
2	Be 313.107†	8041.9	7148.9	0.0041 mg/L	0.0041 mg/L	00:12:40
2	Ca 315.887†	6303828.9	5199336.7	48.96 mg/L	48.96 mg/L	00:12:35
2	Cd 228.802†	481.6	334.4	0.0115 mg/L	0.0115 mg/L	00:12:51
2	Co 228.616†	3077.7	2603.4	0.0536 mg/L	0.0536 mg/L	00:12:51
2	Cr 267.716†	11086.4	8735.9	0.0930 mg/L	0.0930 mg/L	00:12:40
2	Cu 324.752†	1498743.5	1234951.9	6.954 mg/L	6.954 mg/L	00:12:38
2	Fe 238.204†	18556961.8	15305891.5	129.4 mg/L	129.4 mg/L	00:12:35
2	Mg 279.077†	386545.1	318693.1	28.08 mg/L	28.08 mg/L	00:12:38
2	Mn 257.610†	1387004.8	1142853.2	2.018 mg/L	2.018 mg/L	00:12:38
2	Mo 202.031†	284.5	207.5	-0.0402 mg/L	-0.0402 mg/L	00:12:40
2	Ni 231.604†	14550.9	12020.6	0.4222 mg/L	0.4222 mg/L	00:12:40
2	P 214.914†	13847.5	11078.9	6.838 mg/L	6.838 mg/L	00:12:40
2	Pb 220.353†	23588.6	19398.1	1.631 mg/L	1.631 mg/L	00:12:40
2	Sb 206.836†	68.1	19.3	-0.0506 mg/L	-0.0506 mg/L	00:12:51
2	Se 196.026†	-59.5	-49.2	0.0141 mg/L	0.0141 mg/L	00:12:51
2	Sn 189.927†	1601.1	1317.7	0.7293 mg/L	0.7293 mg/L	00:12:51
2	Ti 337.279†	3958361.9	3265372.8	4.619 mg/L	4.619 mg/L	00:12:38
2	Tl 190.801†	13.8	9.4	-0.0893 mg/L	-0.0893 mg/L	00:12:51
2	V 292.402†	41185.3	34653.3	0.1837 mg/L	0.1837 mg/L	00:12:40
2	Zn 213.857†	483903.8	398329.7	4.266 mg/L	4.266 mg/L	00:12:40

Mean Data: 1210127-08

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
Y 371.029	2998916.4	1.21	mg/L	0.002			0.20%
Ag 328.068†	32732.4	0.2884	mg/L	0.00324	0.2884	mg/L	1.12%
Al 237.313†	819791.9	105.8	mg/L	0.30	105.8	mg/L	0.28%
As 188.979†	48.0	0.1233	mg/L	0.00527	0.1233	mg/L	4.27%
B 182.528†	17.7	0.0399	mg/L	0.00723	0.0399	mg/L	18.12%
B 249.677†	44.4	0.0283	mg/L	0.00228	0.0283	mg/L	8.05%
Ba 233.527†	36249.3	0.4996	mg/L	0.00669	0.4996	mg/L	1.34%
Be 313.107†	7223.0	0.0042	mg/L	0.00006	0.0042	mg/L	1.51%
Ca 315.887†	5207477.3	49.04	mg/L	0.108	49.04	mg/L	0.22%

Cd 228.802†	342.2	0.0118 mg/L	0.00041	0.0118 mg/L	0.00041	3.50%
Co 228.616†	2622.6	0.0541 mg/L	0.00071	0.0541 mg/L	0.00071	1.31%
Cr 267.716†	8819.3	0.0939 mg/L	0.00130	0.0939 mg/L	0.00130	1.38%
Cu 324.752†	1233186.3	6.944 mg/L	0.0141	6.944 mg/L	0.0141	0.20%
Fe 234.349†	172567.6	147.9 mg/L	0.80	147.9 mg/L	0.80	0.54%
Fe 238.204†	15320830.5	129.5 mg/L	0.18	129.5 mg/L	0.18	0.14%
K 766.490†	11388.4	6.323 mg/L	0.0508	6.323 mg/L	0.0508	0.80%
Li 670.784†	4406.8	0.1367 mg/L	0.00307	0.1367 mg/L	0.00307	2.24%
Mg 279.077†	318158.9	28.03 mg/L	0.067	28.03 mg/L	0.067	0.24%
Mn 257.610†	1141366.6	2.015 mg/L	0.0037	2.015 mg/L	0.0037	0.18%
Mo 202.031†	217.9	-0.0395 mg/L	0.00104	-0.0395 mg/L	0.00104	2.64%
Na 589.592†	3742.4	0.7134 mg/L	0.01367	0.7134 mg/L	0.01367	1.92%
Ni 231.604†	12147.4	0.4267 mg/L	0.00635	0.4267 mg/L	0.00635	1.49%
P 214.914†	11244.5	6.936 mg/L	0.1377	6.936 mg/L	0.1377	1.99%
Pb 220.353†	19681.9	1.656 mg/L	0.0347	1.656 mg/L	0.0347	2.09%
Sb 206.836†	22.4	-0.0478 mg/L	0.00395	-0.0478 mg/L	0.00395	8.27%
Se 196.026†	-49.1	0.0139 mg/L	0.00021	0.0139 mg/L	0.00021	1.52%
Sn 189.927†	1317.7	0.7277 mg/L	0.00234	0.7277 mg/L	0.00234	0.32%
Sr 407.771†	276226.7	0.2902 mg/L	0.00157	0.2902 mg/L	0.00157	0.54%
Ti 337.279†	3259579.2	4.610 mg/L	0.0116	4.610 mg/L	0.0116	0.25%
Tl 190.801†	11.2	-0.0878 mg/L	0.00219	-0.0878 mg/L	0.00219	2.50%
V 292.402†	34969.1	0.1858 mg/L	0.00297	0.1858 mg/L	0.00297	1.60%
Zn 213.857†	402151.8	4.308 mg/L	0.0581	4.308 mg/L	0.0581	1.35%

Sequence No.: 121
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/7/2012 12:14:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	986.6	818.4	0.4781 mg/L	0.4781 mg/L	00:16:18
1	Fe 234.349†	3818.4	3189.5	2.740 mg/L	2.740 mg/L	00:16:18
1	K 766.490†	51965.5	43159.8	23.41 mg/L	23.41 mg/L	00:16:07
1	Li 670.784†	18299.2	15433.2	0.4773 mg/L	0.4773 mg/L	00:16:07
1	Na 589.592†	170870.8	142320.3	23.38 mg/L	23.38 mg/L	00:16:07
1	Sr 407.771†	55711.1	46320.5	0.0490 mg/L	0.0490 mg/L	00:16:07
1	Y 371.029	2970768.4	2970768.4	1.20 mg/L		00:16:34
1	Ag 328.068†	38507.6	30723.1	0.2602 mg/L	0.2602 mg/L	00:16:36
1	Al 237.313†	24343.5	20424.9	2.634 mg/L	2.634 mg/L	00:16:36
1	As 188.979†	499.2	413.2	0.5175 mg/L	0.5175 mg/L	00:16:46
1	B 182.528†	330.8	273.2	0.5385 mg/L	0.5385 mg/L	00:16:46
1	Ba 233.527†	45799.8	38241.9	0.5270 mg/L	0.5270 mg/L	00:16:36
1	Be 313.107†	98276.2	82457.9	0.0491 mg/L	0.0491 mg/L	00:16:36
1	Ca 315.887†	618543.8	515585.7	4.843 mg/L	4.843 mg/L	00:16:34
1	Cd 228.802†	8292.5	6851.4	0.2404 mg/L	0.2404 mg/L	00:16:46
1	Co 228.616†	24357.6	20374.0	0.5081 mg/L	0.5081 mg/L	00:16:36
1	Cr 267.716†	56002.7	46286.3	0.5071 mg/L	0.5071 mg/L	00:16:36
1	Cu 324.752†	112213.6	92329.7	0.5170 mg/L	0.5170 mg/L	00:16:36
1	Fe 238.204†	374691.6	312258.5	2.628 mg/L	2.628 mg/L	00:16:36
1	Mg 279.077†	70456.0	58610.8	5.133 mg/L	5.133 mg/L	00:16:36
1	Mn 257.610†	356999.3	296495.3	0.5215 mg/L	0.5215 mg/L	00:16:36
1	Mo 202.031†	11179.9	9294.6	0.4941 mg/L	0.4941 mg/L	00:16:46
1	Ni 231.604†	18507.3	15450.1	0.5445 mg/L	0.5445 mg/L	00:16:36
1	P 214.914†	10101.2	8079.6	4.828 mg/L	4.828 mg/L	00:16:46
1	Pb 220.353†	7034.1	5806.9	0.4955 mg/L	0.4955 mg/L	00:16:46
1	Sb 206.836†	793.9	625.1	0.5246 mg/L	0.5246 mg/L	00:16:46
1	Se 196.026†	1295.4	1080.0	1.047 mg/L	1.047 mg/L	00:16:46
1	Sn 189.927†	2795.0	2327.6	0.5316 mg/L	0.5316 mg/L	00:16:46
1	Ti 337.279†	414468.7	346040.3	0.4876 mg/L	0.4876 mg/L	00:16:34
1	Tl 190.801†	839.2	697.8	0.4776 mg/L	0.4776 mg/L	00:16:46
1	V 292.402†	97142.6	81679.9	0.5153 mg/L	0.5153 mg/L	00:16:36
1	Zn 213.857†	60382.7	49545.5	0.5277 mg/L	0.5277 mg/L	00:16:36
2	B 249.677†	975.2	808.1	0.4721 mg/L	0.4721 mg/L	00:16:30
2	Fe 234.349†	3710.6	3096.1	2.660 mg/L	2.660 mg/L	00:16:30
2	K 766.490†	52409.3	43481.1	23.58 mg/L	23.58 mg/L	00:16:20
2	Li 670.784†	18541.5	15618.0	0.4830 mg/L	0.4830 mg/L	00:16:20
2	Na 589.592†	172197.8	143266.7	23.54 mg/L	23.54 mg/L	00:16:20
2	Sr 407.771†	56008.5	46516.5	0.0493 mg/L	0.0493 mg/L	00:16:20

2	Y 371.029	2974082.7	2974082.7	1.20	mg/L			00:16:49
2	Ag 328.068†	38571.0	30740.2	0.2603	mg/L	0.2603	mg/L	00:16:51
2	Al 237.313†	24361.2	20417.0	2.633	mg/L	2.633	mg/L	00:16:51
2	As 188.979†	508.4	420.4	0.5264	mg/L	0.5264	mg/L	00:17:01
2	B 182.528†	326.4	269.2	0.5306	mg/L	0.5306	mg/L	00:17:01
2	Ba 233.527†	46151.2	38492.1	0.5305	mg/L	0.5305	mg/L	00:16:51
2	Be 313.107†	99027.4	82992.2	0.0495	mg/L	0.0495	mg/L	00:16:51
2	Ca 315.887†	617798.6	514390.3	4.832	mg/L	4.832	mg/L	00:16:49
2	Cd 228.802†	8395.6	6929.6	0.2431	mg/L	0.2431	mg/L	00:17:01
2	Co 228.616†	24500.7	20470.6	0.5106	mg/L	0.5106	mg/L	00:16:51
2	Cr 267.716†	56204.8	46402.6	0.5084	mg/L	0.5084	mg/L	00:16:51
2	Cu 324.752†	112663.5	92600.1	0.5185	mg/L	0.5185	mg/L	00:16:51
2	Fe 238.204†	373353.9	310796.3	2.616	mg/L	2.616	mg/L	00:16:51
2	Mg 279.077†	70790.6	58824.1	5.152	mg/L	5.152	mg/L	00:16:51
2	Mn 257.610†	358686.9	297569.2	0.5234	mg/L	0.5234	mg/L	00:16:51
2	Mo 202.031†	11295.1	9380.1	0.4987	mg/L	0.4987	mg/L	00:17:01
2	Ni 231.604†	18628.6	15533.9	0.5475	mg/L	0.5475	mg/L	00:16:51
2	P 214.914†	10271.9	8212.4	4.907	mg/L	4.907	mg/L	00:17:01
2	Pb 220.353†	7121.6	5873.2	0.5012	mg/L	0.5012	mg/L	00:17:01
2	Sb 206.836†	794.8	625.2	0.5247	mg/L	0.5247	mg/L	00:17:01
2	Se 196.026†	1300.1	1082.7	1.050	mg/L	1.050	mg/L	00:17:01
2	Sn 189.927†	2811.7	2338.9	0.5339	mg/L	0.5339	mg/L	00:17:01
2	Ti 337.279†	414713.1	345858.7	0.4873	mg/L	0.4873	mg/L	00:16:49
2	Tl 190.801†	850.8	706.6	0.4838	mg/L	0.4838	mg/L	00:17:01
2	V 292.402†	97765.2	82108.2	0.5180	mg/L	0.5180	mg/L	00:16:51
2	Zn 213.857†	60611.6	49680.0	0.5291	mg/L	0.5291	mg/L	00:16:51

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	2972425.5	1.20	mg/L	0.001				0.08%
Ag 328.068†	30731.7	0.2602	mg/L	0.00010	0.2602	mg/L	0.00010	0.04%
QC value within limits for Ag 328.068 Recovery = 104.09%								
Al 237.313†	20421.0	2.634	mg/L	0.0007	2.634	mg/L	0.0007	0.03%
QC value within limits for Al 237.313 Recovery = 105.35%								
As 188.979†	416.8	0.5219	mg/L	0.00631	0.5219	mg/L	0.00631	1.21%
QC value within limits for As 188.979 Recovery = 104.39%								
B 182.528†	271.2	0.5346	mg/L	0.00557	0.5346	mg/L	0.00557	1.04%
QC value within limits for B 182.528 Recovery = 106.92%								
B 249.677†	813.2	0.4751	mg/L	0.00427	0.4751	mg/L	0.00427	0.90%
QC value within limits for B 249.677 Recovery = 95.01%								
Ba 233.527†	38367.0	0.5288	mg/L	0.00245	0.5288	mg/L	0.00245	0.46%
QC value within limits for Ba 233.527 Recovery = 105.75%								
Be 313.107†	82725.0	0.0493	mg/L	0.00023	0.0493	mg/L	0.00023	0.46%
QC value within limits for Be 313.107 Recovery = 98.60%								
Ca 315.887†	514988.0	4.838	mg/L	0.0080	4.838	mg/L	0.0080	0.16%
QC value within limits for Ca 315.887 Recovery = 96.76%								
Cd 228.802†	6890.5	0.2418	mg/L	0.00193	0.2418	mg/L	0.00193	0.80%
QC value within limits for Cd 228.802 Recovery = 96.71%								
Co 228.616†	20422.3	0.5093	mg/L	0.00172	0.5093	mg/L	0.00172	0.34%
QC value within limits for Co 228.616 Recovery = 101.87%								
Cr 267.716†	46344.4	0.5078	mg/L	0.00091	0.5078	mg/L	0.00091	0.18%
QC value within limits for Cr 267.716 Recovery = 101.56%								
Cu 324.752†	92464.9	0.5177	mg/L	0.00108	0.5177	mg/L	0.00108	0.21%
QC value within limits for Cu 324.752 Recovery = 103.54%								
Fe 234.349†	3142.8	2.700	mg/L	0.0566	2.700	mg/L	0.0566	2.10%
QC value within limits for Fe 234.349 Recovery = 108.01%								
Fe 238.204†	311527.4	2.622	mg/L	0.0087	2.622	mg/L	0.0087	0.33%
QC value within limits for Fe 238.204 Recovery = 104.88%								
K 766.490†	43320.4	23.50	mg/L	0.122	23.50	mg/L	0.122	0.52%
QC value within limits for K 766.490 Recovery = 93.99%								
Li 670.784†	15525.6	0.4802	mg/L	0.00404	0.4802	mg/L	0.00404	0.84%
QC value within limits for Li 670.784 Recovery = 96.03%								
Mg 279.077†	58717.4	5.143	mg/L	0.0133	5.143	mg/L	0.0133	0.26%
QC value within limits for Mg 279.077 Recovery = 102.85%								
Mn 257.610†	297032.2	0.5224	mg/L	0.00134	0.5224	mg/L	0.00134	0.26%
QC value within limits for Mn 257.610 Recovery = 104.49%								
Mo 202.031†	9337.4	0.4964	mg/L	0.00324	0.4964	mg/L	0.00324	0.65%
QC value within limits for Mo 202.031 Recovery = 99.28%								
Na 589.592†	142793.5	23.46	mg/L	0.109	23.46	mg/L	0.109	0.47%
QC value within limits for Na 589.592 Recovery = 93.83%								
Ni 231.604†	15492.0	0.5460	mg/L	0.00210	0.5460	mg/L	0.00210	0.39%

QC value within limits for Ni 231.604	Recovery = 109.20%					
P 214.914†	8146.0	4.868 mg/L	0.0557	4.868 mg/L	0.0557	1.14%
QC value within limits for P 214.914	Recovery = 97.35%					
Pb 220.353†	5840.0	0.4983 mg/L	0.00405	0.4983 mg/L	0.00405	0.81%
QC value within limits for Pb 220.353	Recovery = 99.67%					
Sb 206.836†	625.2	0.5246 mg/L	0.00007	0.5246 mg/L	0.00007	0.01%
QC value within limits for Sb 206.836	Recovery = 104.93%					
Se 196.026†	1081.4	1.048 mg/L	0.0018	1.048 mg/L	0.0018	0.17%
QC value within limits for Se 196.026	Recovery = 104.83%					
Sn 189.927†	2333.2	0.5328 mg/L	0.00165	0.5328 mg/L	0.00165	0.31%
QC value within limits for Sn 189.927	Recovery = 106.55%					
Sr 407.771†	46418.5	0.0492 mg/L	0.00015	0.0492 mg/L	0.00015	0.30%
QC value within limits for Sr 407.771	Recovery = 98.30%					
Ti 337.279†	345949.5	0.4875 mg/L	0.00018	0.4875 mg/L	0.00018	0.04%
QC value within limits for Ti 337.279	Recovery = 97.50%					
Tl 190.801†	702.2	0.4807 mg/L	0.00438	0.4807 mg/L	0.00438	0.91%
QC value within limits for Tl 190.801	Recovery = 96.15%					
V 292.402†	81894.0	0.5166 mg/L	0.00194	0.5166 mg/L	0.00194	0.37%
QC value within limits for V 292.402	Recovery = 103.32%					
Zn 213.857†	49612.8	0.5284 mg/L	0.00101	0.5284 mg/L	0.00101	0.19%
QC value within limits for Zn 213.857	Recovery = 105.67%					
All analyte(s) passed QC.						

Sequence No.: 122
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/7/2012 12:18:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	13.9	7.0	0.0067	mg/L	0.0067	mg/L	00:20:40
1	Fe 234.349†	28.2	28.4	0.0428	mg/L	0.0428	mg/L	00:20:40
1	K 766.490†	237.5	21.9	0.2090	mg/L	0.2090	mg/L	00:20:30
1	Li 670.784†	-154.8	51.2	0.0022	mg/L	0.0022	mg/L	00:20:30
1	Na 589.592†	327.9	112.6	0.1197	mg/L	0.1197	mg/L	00:20:30
1	Sr 407.771†	330.3	134.2	0.0006	mg/L	0.0006	mg/L	00:20:30
1	Y 371.029	3085780.1	3085780.1	1.25	mg/L			00:21:04
1	Ag 328.068†	1455.0	-216.3	-0.0034	mg/L	-0.0034	mg/L	00:21:07
1	Al 237.313†	-16.5	114.3	0.0070	mg/L	0.0070	mg/L	00:21:17
1	As 188.979†	7.2	2.8	0.0051	mg/L	0.0051	mg/L	00:21:17
1	B 182.528†	1.3	-1.6	0.0023	mg/L	0.0023	mg/L	00:21:17
1	Ba 233.527†	20.9	71.2	-0.0009	mg/L	-0.0009	mg/L	00:21:17
1	Be 313.107†	-366.4	221.7	0.0000	mg/L	0.0000	mg/L	00:21:07
1	Ca 315.887†	1837.5	1323.2	-0.0038	mg/L	-0.0038	mg/L	00:21:07
1	Cd 228.802†	81.9	2.9	0.0000	mg/L	0.0000	mg/L	00:21:17
1	Co 228.616†	-23.2	46.3	-0.0016	mg/L	-0.0016	mg/L	00:21:17
1	Cr 267.716†	479.7	-23.3	-0.0035	mg/L	-0.0035	mg/L	00:21:07
1	Cu 324.752†	2007.5	378.2	-0.0012	mg/L	-0.0012	mg/L	00:21:07
1	Fe 238.204†	3343.2	2526.9	0.0096	mg/L	0.0096	mg/L	00:21:17
1	Mg 279.077†	265.1	77.9	-0.0309	mg/L	-0.0309	mg/L	00:21:07
1	Mn 257.610†	1047.5	-327.4	-0.0035	mg/L	-0.0035	mg/L	00:21:17
1	Mo 202.031†	60.4	21.4	0.0009	mg/L	0.0009	mg/L	00:21:17
1	Ni 231.604†	28.9	42.0	-0.0023	mg/L	-0.0023	mg/L	00:21:17
1	P 214.914†	368.3	-47.0	-0.0001	mg/L	-0.0001	mg/L	00:21:17
1	Pb 220.353†	188.4	93.1	0.0041	mg/L	0.0041	mg/L	00:21:17
1	Sb 206.836†	35.6	-8.3	-0.0081	mg/L	-0.0081	mg/L	00:21:17
1	Se 196.026†	7.2	5.7	0.0041	mg/L	0.0041	mg/L	00:21:17
1	Sn 189.927†	9.4	4.7	-0.0015	mg/L	-0.0015	mg/L	00:21:17
1	Ti 337.279†	769.3	1076.6	-0.0005	mg/L	-0.0005	mg/L	00:21:07
1	Tl 190.801†	4.2	1.4	-0.0035	mg/L	-0.0035	mg/L	00:21:17
1	V 292.402†	-594.6	205.8	-0.0009	mg/L	-0.0009	mg/L	00:21:07
1	Zn 213.857†	1304.0	245.6	0.0016	mg/L	0.0016	mg/L	00:21:17
2	B 249.677†	9.8	3.6	0.0047	mg/L	0.0047	mg/L	00:21:01
2	Fe 234.349†	18.3	20.3	0.0359	mg/L	0.0359	mg/L	00:21:01
2	K 766.490†	254.5	33.2	0.2151	mg/L	0.2151	mg/L	00:20:51
2	Li 670.784†	-156.4	51.4	0.0022	mg/L	0.0022	mg/L	00:20:51
2	Na 589.592†	276.4	68.7	0.1125	mg/L	0.1125	mg/L	00:20:51
2	Sr 407.771†	284.3	94.7	0.0006	mg/L	0.0006	mg/L	00:20:51
2	Y 371.029	3121837.4	3121837.4	1.26	mg/L			00:21:19

2	Ag 328.068†	1430.7	-249.1	-0.0036 mg/L	-0.0036 mg/L	00:21:21
2	Al 237.313†	-54.0	84.7	0.0031 mg/L	0.0031 mg/L	00:21:32
2	As 188.979†	4.8	0.8	0.0027 mg/L	0.0027 mg/L	00:21:32
2	B 182.528†	0.9	-1.9	0.0016 mg/L	0.0016 mg/L	00:21:32
2	Ba 233.527†	13.1	64.8	-0.0010 mg/L	-0.0010 mg/L	00:21:32
2	Be 313.107†	-310.1	269.8	0.0000 mg/L	0.0000 mg/L	00:21:21
2	Ca 315.887†	1669.8	1173.1	-0.0052 mg/L	-0.0052 mg/L	00:21:21
2	Cd 228.802†	75.6	-2.8	-0.0001 mg/L	-0.0001 mg/L	00:21:32
2	Co 228.616†	-28.4	42.4	-0.0017 mg/L	-0.0017 mg/L	00:21:32
2	Cr 267.716†	445.0	-55.3	-0.0038 mg/L	-0.0038 mg/L	00:21:21
2	Cu 324.752†	2000.3	353.9	-0.0013 mg/L	-0.0013 mg/L	00:21:21
2	Fe 238.204†	3106.5	2308.1	0.0078 mg/L	0.0078 mg/L	00:21:32
2	Mg 279.077†	292.1	96.8	-0.0293 mg/L	-0.0293 mg/L	00:21:21
2	Mn 257.610†	996.1	-377.9	-0.0035 mg/L	-0.0035 mg/L	00:21:32
2	Mo 202.031†	50.4	12.9	0.0004 mg/L	0.0004 mg/L	00:21:32
2	Ni 231.604†	13.2	29.2	-0.0027 mg/L	-0.0027 mg/L	00:21:32
2	P 214.914†	359.1	-57.8	-0.0065 mg/L	-0.0065 mg/L	00:21:32
2	Pb 220.353†	174.2	80.1	0.0030 mg/L	0.0030 mg/L	00:21:32
2	Sb 206.836†	28.1	-14.5	-0.0134 mg/L	-0.0134 mg/L	00:21:32
2	Se 196.026†	5.2	4.1	0.0025 mg/L	0.0025 mg/L	00:21:32
2	Sn 189.927†	14.6	8.7	-0.0006 mg/L	-0.0006 mg/L	00:21:32
2	Ti 337.279†	856.0	1138.3	-0.0004 mg/L	-0.0004 mg/L	00:21:21
2	Tl 190.801†	3.5	0.8	-0.0039 mg/L	-0.0039 mg/L	00:21:32
2	V 292.402†	-508.6	279.5	-0.0004 mg/L	-0.0004 mg/L	00:21:21
2	Zn 213.857†	1307.3	236.1	0.0015 mg/L	0.0015 mg/L	00:21:32

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3103808.7	1.25 mg/L	0.010			0.82%
Ag 328.068†	-232.7	-0.0035 mg/L	0.00020	-0.0035 mg/L	0.00020	5.65%
QC value less than the lower limit for Ag 328.068			Recovery = Not calculated			
Al 237.313†	99.5	0.0050 mg/L	0.00271	0.0050 mg/L	0.00271	53.62%
QC value within limits for Al 237.313			Recovery = Not calculated			
As 188.979†	1.8	0.0039 mg/L	0.00176	0.0039 mg/L	0.00176	45.21%
QC value within limits for As 188.979			Recovery = Not calculated			
B 182.528†	-1.7	0.0020 mg/L	0.00044	0.0020 mg/L	0.00044	22.33%
QC value within limits for B 182.528			Recovery = Not calculated			
B 249.677†	5.3	0.0057 mg/L	0.00139	0.0057 mg/L	0.00139	24.34%
QC value within limits for B 249.677			Recovery = Not calculated			
Ba 233.527†	68.0	-0.0010 mg/L	0.00006	-0.0010 mg/L	0.00006	6.48%
QC value within limits for Ba 233.527			Recovery = Not calculated			
Be 313.107†	245.8	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	125.42%
QC value within limits for Be 313.107			Recovery = Not calculated			
Ca 315.887†	1248.2	-0.0045 mg/L	0.00100	-0.0045 mg/L	0.00100	22.29%
QC value within limits for Ca 315.887			Recovery = Not calculated			
Cd 228.802†	0.0	0.0000 mg/L	0.00014	0.0000 mg/L	0.00014	293.01%
QC value within limits for Cd 228.802			Recovery = Not calculated			
Co 228.616†	44.3	-0.0016 mg/L	0.00007	-0.0016 mg/L	0.00007	4.31%
QC value less than the lower limit for Co 228.616			Recovery = Not calculated			
Cr 267.716†	-39.3	-0.0036 mg/L	0.00025	-0.0036 mg/L	0.00025	6.85%
QC value within limits for Cr 267.716			Recovery = Not calculated			
Cu 324.752†	366.1	-0.0013 mg/L	0.00010	-0.0013 mg/L	0.00010	7.66%
QC value within limits for Cu 324.752			Recovery = Not calculated			
Fe 234.349†	24.3	0.0393 mg/L	0.00488	0.0393 mg/L	0.00488	12.40%
QC value greater than the upper limit for Fe 234.349			Recovery = Not calculated			
Fe 238.204†	2417.5	0.0087 mg/L	0.00131	0.0087 mg/L	0.00131	14.98%
QC value within limits for Fe 238.204			Recovery = Not calculated			
K 766.490†	27.6	0.2120 mg/L	0.00431	0.2120 mg/L	0.00431	2.03%
QC value greater than the upper limit for K 766.490			Recovery = Not calculated			
Li 670.784†	51.3	0.0022 mg/L	0.00000	0.0022 mg/L	0.00000	0.17%
QC value within limits for Li 670.784			Recovery = Not calculated			
Mg 279.077†	87.3	-0.0301 mg/L	0.00118	-0.0301 mg/L	0.00118	3.93%
QC value less than the lower limit for Mg 279.077			Recovery = Not calculated			
Mn 257.610†	-352.6	-0.0035 mg/L	0.00006	-0.0035 mg/L	0.00006	1.80%
QC value within limits for Mn 257.610			Recovery = Not calculated			
Mo 202.031†	17.1	0.0007 mg/L	0.00032	0.0007 mg/L	0.00032	48.14%
QC value within limits for Mo 202.031			Recovery = Not calculated			
Na 589.592†	90.7	0.1161 mg/L	0.00508	0.1161 mg/L	0.00508	4.37%
QC value within limits for Na 589.592			Recovery = Not calculated			
Ni 231.604†	35.6	-0.0025 mg/L	0.00032	-0.0025 mg/L	0.00032	12.74%
QC value less than the lower limit for Ni 231.604			Recovery = Not calculated			

P 214.914†	-52.4	-0.0033 mg/L	0.00453	-0.0033 mg/L	0.00453	136.70%
QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	86.6	0.0036 mg/L	0.00079	0.0036 mg/L	0.00079	22.05%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-11.4	-0.0108 mg/L	0.00371	-0.0108 mg/L	0.00371	34.45%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated						
Se 196.026†	4.9	0.0033 mg/L	0.00113	0.0033 mg/L	0.00113	34.54%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	6.7	-0.0011 mg/L	0.00063	-0.0011 mg/L	0.00063	58.85%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	114.4	0.0006 mg/L	0.00003	0.0006 mg/L	0.00003	5.09%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	1107.5	-0.0005 mg/L	0.00006	-0.0005 mg/L	0.00006	12.62%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	1.1	-0.0037 mg/L	0.00030	-0.0037 mg/L	0.00030	8.07%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	242.7	-0.0006 mg/L	0.00032	-0.0006 mg/L	0.00032	50.13%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	240.9	0.0015 mg/L	0.00007	0.0015 mg/L	0.00007	4.69%
QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

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Sequence No.: 123                               Autosampler Location: 109
Sample ID: 1210127-09                          Date Collected: 10/7/2012 12:23:09 AM
Analyst:                                         Data Type: Original
Initial Sample Wt:                              Initial Sample Vol:
Dilution:                                       Sample Prep Vol:
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Replicate Data: 1210127-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	10.9	4.7	0.0053 mg/L		0.0053 mg/L	00:25:01
1	Fe 234.349†	110158.4	90083.5	77.23 mg/L		77.23 mg/L	00:24:51
1	K 766.490†	14660.8	11819.5	6.555 mg/L		6.555 mg/L	00:25:01
1	Li 670.784†	2530.3	2244.5	0.0699 mg/L		0.0699 mg/L	00:25:01
1	Na 589.592†	4202.3	3285.7	0.6387 mg/L		0.6387 mg/L	00:25:01
1	Sr 407.771†	59888.1	48840.2	0.0517 mg/L		0.0517 mg/L	00:24:51
1	Y 371.029	3029196.5	3029196.5	1.22 mg/L			00:25:21
1	Ag 328.068†	729.4	-787.7	-0.0023 mg/L		-0.0023 mg/L	00:25:24
1	Al 237.313†	656221.8	536727.0	69.29 mg/L		69.29 mg/L	00:25:21
1	As 188.979†	20.2	13.6	0.0508 mg/L		0.0508 mg/L	00:25:34
1	B 182.528†	17.4	11.6	0.0280 mg/L		0.0280 mg/L	00:25:34
1	Ba 233.527†	20449.9	16776.5	0.2302 mg/L		0.2302 mg/L	00:25:24
1	Be 313.107†	4285.2	4019.9	0.0022 mg/L		0.0022 mg/L	00:25:24
1	Ca 315.887†	908515.6	742751.0	6.981 mg/L		6.981 mg/L	00:25:21
1	Cd 228.802†	113.7	30.1	0.0009 mg/L		0.0009 mg/L	00:25:34
1	Co 228.616†	1529.1	1315.2	0.0226 mg/L		0.0226 mg/L	00:25:34
1	Cr 267.716†	8190.2	6288.8	0.0661 mg/L		0.0661 mg/L	00:25:24
1	Cu 324.752†	12616.9	9083.8	0.0509 mg/L		0.0509 mg/L	00:25:24
1	Fe 238.204†	9908517.5	8102142.7	68.47 mg/L		68.47 mg/L	00:25:19
1	Mg 279.077†	242359.2	198044.7	17.43 mg/L		17.43 mg/L	00:25:21
1	Mn 257.610†	647032.9	527917.4	0.9306 mg/L		0.9306 mg/L	00:25:21
1	Mo 202.031†	156.3	100.7	-0.0189 mg/L		-0.0189 mg/L	00:25:24
1	Ni 231.604†	2161.6	1786.3	0.0595 mg/L		0.0595 mg/L	00:25:24
1	P 214.914†	3736.1	2712.4	1.823 mg/L		1.823 mg/L	00:25:34
1	Pb 220.353†	916.8	691.6	0.0365 mg/L		0.0365 mg/L	00:25:34
1	Sb 206.836†	61.8	13.8	-0.0237 mg/L		-0.0237 mg/L	00:25:34
1	Se 196.026†	-19.6	-16.1	0.0158 mg/L		0.0158 mg/L	00:25:34
1	Sn 189.927†	-58.2	-50.4	0.2117 mg/L		0.2117 mg/L	00:25:34
1	Ti 337.279†	3372101.7	2757862.3	3.900 mg/L		3.900 mg/L	00:25:21
1	Tl 190.801†	14.0	9.4	-0.0475 mg/L		-0.0475 mg/L	00:25:34
1	V 292.402†	23494.3	19894.7	0.1051 mg/L		0.1051 mg/L	00:25:24
1	Zn 213.857†	22178.9	17334.8	0.1849 mg/L		0.1849 mg/L	00:25:24
2	B 249.677†	10.9	4.6	0.0052 mg/L		0.0052 mg/L	00:25:14
2	Fe 234.349†	112510.5	89776.4	76.97 mg/L		76.97 mg/L	00:25:04
2	K 766.490†	14585.4	11468.7	6.366 mg/L		6.366 mg/L	00:25:14
2	Li 670.784†	2555.7	2214.6	0.0690 mg/L		0.0690 mg/L	00:25:14
2	Na 589.592†	4179.0	3183.8	0.6221 mg/L		0.6221 mg/L	00:25:14
2	Sr 407.771†	61276.6	48760.8	0.0516 mg/L		0.0516 mg/L	00:25:04
2	Y 371.029	3104459.6	3104459.6	1.25 mg/L			00:25:39
2	Ag 328.068†	814.7	-734.1	-0.0018 mg/L		-0.0018 mg/L	00:25:42

2	Al 237.313†	672458.7	536673.2	69.28 mg/L	69.28 mg/L	00:25:39
2	As 188.979†	23.1	15.5	0.0531 mg/L	0.0531 mg/L	00:25:52
2	B 182.528†	17.5	11.3	0.0274 mg/L	0.0274 mg/L	00:25:52
2	Ba 233.527†	20464.2	16382.5	0.2247 mg/L	0.2247 mg/L	00:25:42
2	Be 313.107†	4241.8	3900.3	0.0022 mg/L	0.0022 mg/L	00:25:42
2	Ca 315.887†	936177.8	746811.8	7.020 mg/L	7.020 mg/L	00:25:39
2	Cd 228.802†	111.4	26.0	0.0008 mg/L	0.0008 mg/L	00:25:52
2	Co 228.616†	1549.9	1301.5	0.0223 mg/L	0.0223 mg/L	00:25:52
2	Cr 267.716†	8154.4	6098.0	0.0640 mg/L	0.0640 mg/L	00:25:42
2	Cu 324.752†	12638.3	8850.7	0.0496 mg/L	0.0496 mg/L	00:25:42
2	Fe 238.204†	9903043.0	7901346.3	66.77 mg/L	66.77 mg/L	00:25:37
2	Mg 279.077†	249924.9	199276.8	17.54 mg/L	17.54 mg/L	00:25:39
2	Mn 257.610†	663298.1	528068.3	0.9308 mg/L	0.9308 mg/L	00:25:39
2	Mo 202.031†	115.6	65.1	-0.0207 mg/L	-0.0207 mg/L	00:25:42
2	Ni 231.604†	2191.0	1767.0	0.0588 mg/L	0.0588 mg/L	00:25:42
2	P 214.914†	3756.4	2654.5	1.788 mg/L	1.788 mg/L	00:25:52
2	Pb 220.353†	902.4	661.9	0.0339 mg/L	0.0339 mg/L	00:25:52
2	Sb 206.836†	62.0	12.7	-0.0246 mg/L	-0.0246 mg/L	00:25:52
2	Se 196.026†	-20.9	-16.7	0.0151 mg/L	0.0151 mg/L	00:25:52
2	Sn 189.927†	-46.8	-40.2	0.2132 mg/L	0.2132 mg/L	00:25:52
2	Ti 337.279†	3449335.1	2752636.6	3.893 mg/L	3.893 mg/L	00:25:39
2	Tl 190.801†	11.5	7.2	-0.0489 mg/L	-0.0489 mg/L	00:25:52
2	V 292.402†	23531.3	19458.4	0.1024 mg/L	0.1024 mg/L	00:25:42
2	Zn 213.857†	22296.9	16989.2	0.1812 mg/L	0.1812 mg/L	00:25:42

Mean Data: 1210127-09

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3066828.0	1.24	mg/L	0.021			1.74%
Ag 328.068†	-760.9	-0.0020	mg/L	0.00031	-0.0020 mg/L	0.00031	15.09%
Al 237.313†	536700.1	69.28	mg/L	0.005	69.28 mg/L	0.005	0.01%
As 188.979†	14.5	0.0519	mg/L	0.00162	0.0519 mg/L	0.00162	3.13%
B 182.528†	11.5	0.0277	mg/L	0.00041	0.0277 mg/L	0.00041	1.48%
B 249.677†	4.6	0.0053	mg/L	0.00007	0.0053 mg/L	0.00007	1.33%
Ba 233.527†	16579.5	0.2275	mg/L	0.00385	0.2275 mg/L	0.00385	1.69%
Be 313.107†	3960.1	0.0022	mg/L	0.00005	0.0022 mg/L	0.00005	2.29%
Ca 315.887†	744781.4	7.001	mg/L	0.0270	7.001 mg/L	0.0270	0.39%
Cd 228.802†	28.1	0.0009	mg/L	0.00011	0.0009 mg/L	0.00011	12.63%
Co 228.616†	1308.4	0.0225	mg/L	0.00023	0.0225 mg/L	0.00023	1.04%
Cr 267.716†	6193.4	0.0650	mg/L	0.00149	0.0650 mg/L	0.00149	2.29%
Cu 324.752†	8967.2	0.0502	mg/L	0.00093	0.0502 mg/L	0.00093	1.86%
Fe 234.349†	89929.9	77.10	mg/L	0.186	77.10 mg/L	0.186	0.24%
Fe 238.204†	8001744.5	67.62	mg/L	1.200	67.62 mg/L	1.200	1.77%
K 766.490†	11644.1	6.460	mg/L	0.1334	6.460 mg/L	0.1334	2.07%
Li 670.784†	2229.5	0.0695	mg/L	0.00065	0.0695 mg/L	0.00065	0.94%
Mg 279.077†	198660.8	17.49	mg/L	0.077	17.49 mg/L	0.077	0.44%
Mn 257.610†	527992.8	0.9307	mg/L	0.00019	0.9307 mg/L	0.00019	0.02%
Mo 202.031†	82.9	-0.0198	mg/L	0.00128	-0.0198 mg/L	0.00128	6.46%
Na 589.592†	3234.7	0.6304	mg/L	0.01179	0.6304 mg/L	0.01179	1.87%
Ni 231.604†	1776.7	0.0592	mg/L	0.00049	0.0592 mg/L	0.00049	0.82%
P 214.914†	2683.4	1.805	mg/L	0.0248	1.805 mg/L	0.0248	1.37%
Pb 220.353†	676.7	0.0352	mg/L	0.00181	0.0352 mg/L	0.00181	5.13%
Sb 206.836†	13.2	-0.0242	mg/L	0.00057	-0.0242 mg/L	0.00057	2.38%
Se 196.026†	-16.4	0.0154	mg/L	0.00050	0.0154 mg/L	0.00050	3.27%
Sn 189.927†	-45.3	0.2124	mg/L	0.00109	0.2124 mg/L	0.00109	0.51%
Sr 407.771†	48800.5	0.0516	mg/L	0.00006	0.0516 mg/L	0.00006	0.11%
Ti 337.279†	2755249.4	3.897	mg/L	0.0052	3.897 mg/L	0.0052	0.13%
Tl 190.801†	8.3	-0.0482	mg/L	0.00098	-0.0482 mg/L	0.00098	2.04%
V 292.402†	19676.5	0.1037	mg/L	0.00191	0.1037 mg/L	0.00191	1.84%
Zn 213.857†	17162.0	0.1830	mg/L	0.00262	0.1830 mg/L	0.00262	1.43%

Sequence No.: 124

Sample ID: 1210127-10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 110

Date Collected: 10/7/2012 12:27:29 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	172.7	134.5	0.0807 mg/L	0.0807 mg/L	00:29:10
1	Fe 234.349†	333419.6	267738.4	229.5 mg/L	229.5 mg/L	00:29:08
1	K 766.490†	15766.9	12492.0	6.916 mg/L	6.916 mg/L	00:29:10
1	Li 670.784†	3298.3	2824.0	0.0878 mg/L	0.0878 mg/L	00:29:10
1	Na 589.592†	22585.3	17985.2	3.043 mg/L	3.043 mg/L	00:29:10
1	Sr 407.771†	377577.6	303060.1	0.3184 mg/L	0.3184 mg/L	00:29:08
1	Y 371.029	3084728.5	3084728.5	1.25 mg/L		00:29:26
1	Ag 328.068†	206011.4	164040.9	1.412 mg/L	1.412 mg/L	00:29:28
1	Al 237.313†	744923.2	598293.3	77.28 mg/L	77.28 mg/L	00:29:26
1	As 188.979†	138.5	108.3	0.2314 mg/L	0.2314 mg/L	00:29:38
1	B 182.528†	20.8	14.1	0.0328 mg/L	0.0328 mg/L	00:29:38
1	Ba 233.527†	288957.4	232084.3	3.209 mg/L	3.209 mg/L	00:29:26
1	Be 313.107†	38620.1	31527.4	0.0194 mg/L	0.0194 mg/L	00:29:28
1	Ca 315.887†	4199336.3	3371873.2	31.75 mg/L	31.75 mg/L	00:29:26
1	Cd 228.802†	2529.7	1968.5	0.0690 mg/L	0.0690 mg/L	00:29:38
1	Co 228.616†	5438.8	4432.2	0.1023 mg/L	0.1023 mg/L	00:29:38
1	Cr 267.716†	808231.5	648593.4	7.140 mg/L	7.140 mg/L	00:29:26
1	Cu 324.752†	16971537.4	13626740.9	76.73 mg/L	76.73 mg/L	00:29:22
1	Fe 238.204†	26626492.4	21380649.4	180.7 mg/L	180.7 mg/L	00:29:22
1	Mg 279.077†	278703.0	223660.8	19.70 mg/L	19.70 mg/L	00:29:26
1	Mn 257.610†	1682243.5	1349656.4	2.384 mg/L	2.384 mg/L	00:29:26
1	Mo 202.031†	1585.8	1246.3	-0.0586 mg/L	-0.0586 mg/L	00:29:28
1	Ni 231.604†	80519.8	64675.4	2.288 mg/L	2.288 mg/L	00:29:28
1	P 214.914†	45621.6	36291.0	20.72 mg/L	20.72 mg/L	00:29:28
1	Pb 220.353†	257268.7	206526.0	17.72 mg/L	17.72 mg/L	00:29:28
1	Sb 206.836†	40.9	-4.0	-0.1055 mg/L	-0.1055 mg/L	00:29:38
1	Se 196.026†	-43.1	-34.7	0.0626 mg/L	0.0626 mg/L	00:29:38
1	Sn 189.927†	27569.5	22135.2	5.673 mg/L	5.673 mg/L	00:29:28
1	Ti 337.279†	2818618.4	2263781.4	3.201 mg/L	3.201 mg/L	00:29:26
1	Tl 190.801†	4.1	1.3	-0.1408 mg/L	-0.1408 mg/L	00:29:38
1	V 292.402†	198212.7	159845.9	0.9965 mg/L	0.9965 mg/L	00:29:28
1	Zn 213.857†	2743934.0	2202550.3	23.53 mg/L	23.53 mg/L	00:29:26
2	B 249.677†	184.5	145.0	0.0868 mg/L	0.0868 mg/L	00:29:15
2	Fe 234.349†	330464.0	267165.9	229.0 mg/L	229.0 mg/L	00:29:12
2	K 766.490†	16050.6	12807.2	7.086 mg/L	7.086 mg/L	00:29:15
2	Li 670.784†	3193.6	2757.3	0.0858 mg/L	0.0858 mg/L	00:29:15
2	Na 589.592†	23110.4	18532.8	3.133 mg/L	3.133 mg/L	00:29:15
2	Sr 407.771†	374368.2	302523.0	0.3178 mg/L	0.3178 mg/L	00:29:12
2	Y 371.029	3063935.1	3063935.1	1.24 mg/L		00:29:47
2	Ag 328.068†	201667.9	161652.1	1.392 mg/L	1.392 mg/L	00:29:49
2	Al 237.313†	738687.8	597311.8	77.15 mg/L	77.15 mg/L	00:29:47
2	As 188.979†	143.9	113.3	0.2375 mg/L	0.2375 mg/L	00:29:59
2	B 182.528†	17.2	11.2	0.0272 mg/L	0.0272 mg/L	00:29:59
2	Ba 233.527†	285670.3	231001.6	3.194 mg/L	3.194 mg/L	00:29:47
2	Be 313.107†	38046.1	31273.8	0.0192 mg/L	0.0192 mg/L	00:29:49
2	Ca 315.887†	4160110.1	3363045.3	31.67 mg/L	31.67 mg/L	00:29:47
2	Cd 228.802†	2544.4	1994.2	0.0699 mg/L	0.0699 mg/L	00:29:59
2	Co 228.616†	5505.9	4516.0	0.1044 mg/L	0.1044 mg/L	00:29:59
2	Cr 267.716†	800001.0	646344.0	7.115 mg/L	7.115 mg/L	00:29:47
2	Cu 324.752†	16896837.3	13658836.5	76.91 mg/L	76.91 mg/L	00:29:43
2	Fe 238.204†	26505657.9	21428062.6	181.1 mg/L	181.1 mg/L	00:29:43
2	Mg 279.077†	275816.6	222846.1	19.62 mg/L	19.62 mg/L	00:29:47
2	Mn 257.610†	1667903.1	1347230.5	2.379 mg/L	2.379 mg/L	00:29:47
2	Mo 202.031†	1546.5	1223.1	-0.0598 mg/L	-0.0598 mg/L	00:29:49
2	Ni 231.604†	78914.5	63816.4	2.258 mg/L	2.258 mg/L	00:29:49
2	P 214.914†	44890.4	35948.5	20.51 mg/L	20.51 mg/L	00:29:49
2	Pb 220.353†	252097.7	203747.6	17.48 mg/L	17.48 mg/L	00:29:49
2	Sb 206.836†	41.5	-3.3	-0.1047 mg/L	-0.1047 mg/L	00:29:59
2	Se 196.026†	-36.6	-29.6	0.0673 mg/L	0.0673 mg/L	00:29:59
2	Sn 189.927†	26926.6	21765.7	5.588 mg/L	5.588 mg/L	00:29:49
2	Ti 337.279†	2797229.2	2261849.5	3.199 mg/L	3.199 mg/L	00:29:47
2	Tl 190.801†	9.4	5.6	-0.1375 mg/L	-0.1375 mg/L	00:29:59
2	V 292.402†	194859.7	158215.3	0.9863 mg/L	0.9863 mg/L	00:29:49
2	Zn 213.857†	2719612.7	2197841.1	23.48 mg/L	23.48 mg/L	00:29:47

Mean Data: 1210127-10

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3074331.8	1.24 mg/L	0.006			0.48%
Ag 328.068†	162846.5	1.402 mg/L	0.0144	1.402 mg/L	0.0144	1.03%
Al 237.313†	597802.6	77.22 mg/L	0.090	77.22 mg/L	0.090	0.12%
As 188.979†	110.8	0.2345 mg/L	0.00432	0.2345 mg/L	0.00432	1.84%

B 182.528†	12.6	0.0300 mg/L	0.00393	0.0300 mg/L	0.00393	13.08%
B 249.677†	139.8	0.0838 mg/L	0.00431	0.0838 mg/L	0.00431	5.14%
Ba 233.527†	231542.9	3.202 mg/L	0.0106	3.202 mg/L	0.0106	0.33%
Be 313.107†	31400.6	0.0193 mg/L	0.00011	0.0193 mg/L	0.00011	0.56%
Ca 315.887†	3367459.2	31.71 mg/L	0.059	31.71 mg/L	0.059	0.19%
Cd 228.802†	1981.3	0.0695 mg/L	0.00062	0.0695 mg/L	0.00062	0.90%
Co 228.616†	4474.1	0.1034 mg/L	0.00149	0.1034 mg/L	0.00149	1.44%
Cr 267.716†	647468.7	7.127 mg/L	0.0175	7.127 mg/L	0.0175	0.25%
Cu 324.752†	13642788.7	76.82 mg/L	0.128	76.82 mg/L	0.128	0.17%
Fe 234.349†	267452.1	229.2 mg/L	0.35	229.2 mg/L	0.35	0.15%
Fe 238.204†	21404356.0	180.9 mg/L	0.28	180.9 mg/L	0.28	0.16%
K 766.490†	12649.6	7.001 mg/L	0.1199	7.001 mg/L	0.1199	1.71%
Li 670.784†	2790.6	0.0868 mg/L	0.00146	0.0868 mg/L	0.00146	1.68%
Mg 279.077†	223253.4	19.66 mg/L	0.051	19.66 mg/L	0.051	0.26%
Mn 257.610†	1348443.4	2.382 mg/L	0.0030	2.382 mg/L	0.0030	0.13%
Mo 202.031†	1234.7	-0.0592 mg/L	0.00085	-0.0592 mg/L	0.00085	1.44%
Na 589.592†	18259.0	3.088 mg/L	0.0633	3.088 mg/L	0.0633	2.05%
Ni 231.604†	64245.9	2.273 mg/L	0.0215	2.273 mg/L	0.0215	0.95%
P 214.914†	36119.7	20.61 mg/L	0.147	20.61 mg/L	0.147	0.71%
Pb 220.353†	205136.8	17.60 mg/L	0.170	17.60 mg/L	0.170	0.96%
Sb 206.836†	-3.6	-0.1051 mg/L	0.00056	-0.1051 mg/L	0.00056	0.53%
Se 196.026†	-32.2	0.0650 mg/L	0.00331	0.0650 mg/L	0.00331	5.10%
Sn 189.927†	21950.4	5.630 mg/L	0.0601	5.630 mg/L	0.0601	1.07%
Sr 407.771†	302791.5	0.3181 mg/L	0.00040	0.3181 mg/L	0.00040	0.13%
Ti 337.279†	2262815.5	3.200 mg/L	0.0019	3.200 mg/L	0.0019	0.06%
Tl 190.801†	3.4	-0.1392 mg/L	0.00237	-0.1392 mg/L	0.00237	1.70%
V 292.402†	159030.6	0.9914 mg/L	0.00727	0.9914 mg/L	0.00727	0.73%
Zn 213.857†	2200195.7	23.50 mg/L	0.036	23.50 mg/L	0.036	0.15%

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Sequence No.: 125                               Autosampler Location: 111
Sample ID: CJ20518-DUP1                         Date Collected: 10/7/2012 12:31:37 AM
Analyst:                                         Data Type: Original
Initial Sample Wt:                               Initial Sample Vol:
Dilution:                                       Sample Prep Vol:

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Replicate Data: CJ20518-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	331.5	263.8	0.1559	mg/L	0.1559	mg/L	00:33:28
1	Fe 234.349†	433696.8	350553.7	300.4	mg/L	300.4	mg/L	00:33:25
1	K 766.490†	20482.8	16387.1	9.011	mg/L	9.011	mg/L	00:33:28
1	Li 670.784†	4006.3	3413.7	0.1060	mg/L	0.1060	mg/L	00:33:28
1	Na 589.592†	29293.6	23526.8	3.950	mg/L	3.950	mg/L	00:33:28
1	Sr 407.771†	510225.7	412273.7	0.4329	mg/L	0.4329	mg/L	00:33:25
1	Y 371.029	3064543.8	3064543.8	1.24	mg/L			00:33:43
1	Ag 328.068†	219132.8	175736.2	1.517	mg/L	1.517	mg/L	00:33:45
1	Al 237.313†	883289.4	714071.7	92.23	mg/L	92.23	mg/L	00:33:43
1	As 188.979†	153.4	121.0	0.2771	mg/L	0.2771	mg/L	00:33:55
1	B 182.528†	67.1	51.6	0.1061	mg/L	0.1061	mg/L	00:33:55
1	Ba 233.527†	360713.1	291611.2	4.033	mg/L	4.033	mg/L	00:33:45
1	Be 313.107†	51591.6	42216.2	0.0258	mg/L	0.0258	mg/L	00:33:45
1	Ca 315.887†	5080147.9	4106024.4	38.67	mg/L	38.67	mg/L	00:33:43
1	Cd 228.802†	2392.5	1870.9	0.0655	mg/L	0.0655	mg/L	00:33:55
1	Co 228.616†	6134.8	5023.5	0.1163	mg/L	0.1163	mg/L	00:33:55
1	Cr 267.716†	892935.8	721332.8	7.941	mg/L	7.941	mg/L	00:33:43
1	Cu 324.752†	9045212.2	7309820.6	41.16	mg/L	41.16	mg/L	00:33:39
1	Fe 238.204†	31803874.3	25706242.5	217.3	mg/L	217.3	mg/L	00:33:39
1	Mg 279.077†	356779.7	288242.6	25.39	mg/L	25.39	mg/L	00:33:45
1	Mn 257.610†	1960022.8	1583076.8	2.796	mg/L	2.796	mg/L	00:33:43
1	Mo 202.031†	1779.1	1410.9	-0.0472	mg/L	-0.0472	mg/L	00:33:55
1	Ni 231.604†	76459.5	61819.4	2.187	mg/L	2.187	mg/L	00:33:45
1	P 214.914†	29132.6	23204.5	13.77	mg/L	13.77	mg/L	00:33:45
1	Pb 220.353†	255834.9	206727.8	17.76	mg/L	17.76	mg/L	00:33:45
1	Sb 206.836†	116.5	57.3	-0.0853	mg/L	-0.0853	mg/L	00:33:55
1	Se 196.026†	-71.5	-57.9	0.0704	mg/L	0.0704	mg/L	00:33:55
1	Sn 189.927†	16570.8	13391.0	3.903	mg/L	3.903	mg/L	00:33:55
1	Ti 337.279†	3180049.4	2570825.9	3.636	mg/L	3.636	mg/L	00:33:43
1	Tl 190.801†	12.5	8.1	-0.1770	mg/L	-0.1770	mg/L	00:33:55
1	V 292.402†	204445.0	165931.7	1.026	mg/L	1.026	mg/L	00:33:45
1	Zn 213.857†	2622590.9	2118983.6	22.69	mg/L	22.69	mg/L	00:33:43
2	B 249.677†	348.0	277.1	0.1637	mg/L	0.1637	mg/L	00:33:32

2	Fe 234.349†	426686.3	344887.2	295.6	mg/L	295.6	mg/L	00:33:30
2	K 766.490†	20610.8	16490.6	9.067	mg/L	9.067	mg/L	00:33:32
2	Li 670.784†	4134.9	3517.6	0.1092	mg/L	0.1092	mg/L	00:33:32
2	Na 589.592†	29531.2	23718.8	3.981	mg/L	3.981	mg/L	00:33:32
2	Sr 407.771†	502632.2	406135.9	0.4265	mg/L	0.4265	mg/L	00:33:30
2	Y 371.029	3064544.2	3064544.2	1.24	mg/L			00:34:04
2	Ag 328.068†	217381.0	174320.2	1.504	mg/L	1.504	mg/L	00:34:06
2	Al 237.313†	882553.4	713476.7	92.15	mg/L	92.15	mg/L	00:34:04
2	As 188.979†	151.6	119.5	0.2732	mg/L	0.2732	mg/L	00:34:16
2	B 182.528†	71.8	55.4	0.1134	mg/L	0.1134	mg/L	00:34:16
2	Ba 233.527†	357913.3	289348.1	4.002	mg/L	4.002	mg/L	00:34:06
2	Be 313.107†	50950.2	41697.8	0.0255	mg/L	0.0255	mg/L	00:34:06
2	Ca 315.887†	5069286.9	4097245.1	38.59	mg/L	38.59	mg/L	00:34:04
2	Cd 228.802†	2384.3	1864.4	0.0653	mg/L	0.0653	mg/L	00:34:16
2	Co 228.616†	6117.4	5009.4	0.1160	mg/L	0.1160	mg/L	00:34:16
2	Cr 267.716†	890715.0	719537.6	7.921	mg/L	7.921	mg/L	00:34:04
2	Cu 324.752†	8939478.1	7224356.9	40.68	mg/L	40.68	mg/L	00:34:00
2	Fe 238.204†	31473988.4	25439599.2	215.0	mg/L	215.0	mg/L	00:34:00
2	Mg 279.077†	353993.5	285990.5	25.19	mg/L	25.19	mg/L	00:34:06
2	Mn 257.610†	1956420.7	1580165.0	2.791	mg/L	2.791	mg/L	00:34:04
2	Mo 202.031†	1766.0	1400.3	-0.0459	mg/L	-0.0459	mg/L	00:34:16
2	Ni 231.604†	75955.4	61411.9	2.173	mg/L	2.173	mg/L	00:34:06
2	P 214.914†	28868.5	22991.1	13.64	mg/L	13.64	mg/L	00:34:06
2	Pb 220.353†	253963.4	205215.1	17.63	mg/L	17.63	mg/L	00:34:06
2	Sb 206.836†	122.9	62.5	-0.0788	mg/L	-0.0788	mg/L	00:34:16
2	Se 196.026†	-64.9	-52.5	0.0735	mg/L	0.0735	mg/L	00:34:16
2	Sn 189.927†	16490.5	13326.0	3.874	mg/L	3.874	mg/L	00:34:16
2	Ti 337.279†	3178033.8	2569196.4	3.633	mg/L	3.633	mg/L	00:34:04
2	Tl 190.801†	10.9	6.8	-0.1752	mg/L	-0.1752	mg/L	00:34:16
2	V 292.402†	203042.2	164797.7	1.019	mg/L	1.019	mg/L	00:34:06
2	Zn 213.857†	2616913.8	2114394.7	22.65	mg/L	22.65	mg/L	00:34:04

Mean Data: CJ20518-DUP1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3064544.0	1.24	mg/L	0.000				0.00%
Ag 328.068†	175028.2	1.511	mg/L	0.0088	1.511	mg/L	0.0088	0.58%
Al 237.313†	713774.2	92.19	mg/L	0.054	92.19	mg/L	0.054	0.06%
As 188.979†	120.3	0.2751	mg/L	0.00276	0.2751	mg/L	0.00276	1.00%
B 182.528†	53.5	0.1097	mg/L	0.00518	0.1097	mg/L	0.00518	4.72%
B 249.677†	270.4	0.1598	mg/L	0.00549	0.1598	mg/L	0.00549	3.44%
Ba 233.527†	290479.6	4.017	mg/L	0.0221	4.017	mg/L	0.0221	0.55%
Be 313.107†	41957.0	0.0257	mg/L	0.00022	0.0257	mg/L	0.00022	0.86%
Ca 315.887†	4101634.8	38.63	mg/L	0.059	38.63	mg/L	0.059	0.15%
Cd 228.802†	1867.7	0.0654	mg/L	0.00016	0.0654	mg/L	0.00016	0.24%
Co 228.616†	5016.5	0.1161	mg/L	0.00025	0.1161	mg/L	0.00025	0.21%
Cr 267.716†	720435.2	7.931	mg/L	0.0140	7.931	mg/L	0.0140	0.18%
Cu 324.752†	7267088.8	40.92	mg/L	0.340	40.92	mg/L	0.340	0.83%
Fe 234.349†	347720.4	298.0	mg/L	3.43	298.0	mg/L	3.43	1.15%
Fe 238.204†	25572920.9	216.1	mg/L	1.59	216.1	mg/L	1.59	0.74%
K 766.490†	16438.8	9.039	mg/L	0.0394	9.039	mg/L	0.0394	0.44%
Li 670.784†	3465.7	0.1076	mg/L	0.00227	0.1076	mg/L	0.00227	2.11%
Mg 279.077†	287116.5	25.29	mg/L	0.140	25.29	mg/L	0.140	0.56%
Mn 257.610†	1581620.9	2.794	mg/L	0.0036	2.794	mg/L	0.0036	0.13%
Mo 202.031†	1405.6	-0.0465	mg/L	0.00091	-0.0465	mg/L	0.00091	1.95%
Na 589.592†	23622.8	3.965	mg/L	0.0222	3.965	mg/L	0.0222	0.56%
Ni 231.604†	61615.7	2.180	mg/L	0.0102	2.180	mg/L	0.0102	0.47%
P 214.914†	23097.8	13.70	mg/L	0.092	13.70	mg/L	0.092	0.67%
Pb 220.353†	205971.5	17.69	mg/L	0.092	17.69	mg/L	0.092	0.52%
Sb 206.836†	59.9	-0.0821	mg/L	0.00460	-0.0821	mg/L	0.00460	5.61%
Se 196.026†	-55.2	0.0719	mg/L	0.00222	0.0719	mg/L	0.00222	3.08%
Sn 189.927†	13358.5	3.889	mg/L	0.0204	3.889	mg/L	0.0204	0.53%
Sr 407.771†	409204.8	0.4297	mg/L	0.00455	0.4297	mg/L	0.00455	1.06%
Ti 337.279†	2570011.1	3.635	mg/L	0.0016	3.635	mg/L	0.0016	0.04%
Tl 190.801†	7.5	-0.1761	mg/L	0.00131	-0.1761	mg/L	0.00131	0.74%
V 292.402†	165364.7	1.023	mg/L	0.0045	1.023	mg/L	0.0045	0.44%
Zn 213.857†	2116689.2	22.67	mg/L	0.034	22.67	mg/L	0.034	0.15%

Sequence No.: 126

Sample ID: CJ20518-MS1

Analyst:

Autosampler Location: 112

Date Collected: 10/7/2012 12:35:53 AM

Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1167.6	991.5	0.5781	mg/L	0.5781	mg/L	00:37:37
1	Fe 234.349†	375474.0	320214.1	274.4	mg/L	274.4	mg/L	00:37:35
1	K 766.490†	58132.2	49407.1	26.77	mg/L	26.77	mg/L	00:37:37
1	Li 670.784†	19444.6	16758.1	0.5182	mg/L	0.5182	mg/L	00:37:37
1	Na 589.592†	170012.2	144837.7	23.79	mg/L	23.79	mg/L	00:37:35
1	Sr 407.771†	371852.1	316988.6	0.3330	mg/L	0.3330	mg/L	00:37:35
1	Y 371.029	2904519.5	2904519.5	1.17	mg/L			00:37:53
1	Ag 328.068†	206044.9	174333.2	1.503	mg/L	1.503	mg/L	00:37:55
1	Al 237.313†	671680.2	572943.7	74.02	mg/L	74.02	mg/L	00:37:53
1	As 188.979†	514.8	436.1	0.6587	mg/L	0.6587	mg/L	00:38:05
1	B 182.528†	319.6	269.9	0.5321	mg/L	0.5321	mg/L	00:38:05
1	Ba 233.527†	310904.6	265197.2	3.667	mg/L	3.667	mg/L	00:37:55
1	Be 313.107†	109490.6	93890.7	0.0568	mg/L	0.0568	mg/L	00:37:55
1	Ca 315.887†	4345666.6	3705880.2	34.90	mg/L	34.90	mg/L	00:37:53
1	Cd 228.802†	8945.1	7565.6	0.2655	mg/L	0.2655	mg/L	00:38:05
1	Co 228.616†	36527.1	31215.5	0.7746	mg/L	0.7746	mg/L	00:37:55
1	Cr 267.716†	925274.1	788675.5	8.683	mg/L	8.683	mg/L	00:37:53
1	Cu 324.752†	22879450.7	19510612.2	109.9	mg/L	109.9	mg/L	00:37:49
1	Fe 238.204†	28807707.9	24567371.2	207.6	mg/L	207.6	mg/L	00:37:49
1	Mg 279.077†	283134.2	241325.0	21.26	mg/L	21.26	mg/L	00:37:55
1	Mn 257.610†	3092065.2	2635778.7	4.658	mg/L	4.658	mg/L	00:37:53
1	Mo 202.031†	9984.9	8488.1	0.2905	mg/L	0.2905	mg/L	00:38:05
1	Ni 231.604†	137700.2	117451.1	4.159	mg/L	4.159	mg/L	00:37:55
1	P 214.914†	124980.5	106242.0	61.81	mg/L	61.81	mg/L	00:37:55
1	Pb 220.353†	336455.6	286874.8	24.52	mg/L	24.52	mg/L	00:37:55
1	Sb 206.836†	177.7	114.8	-0.0251	mg/L	-0.0251	mg/L	00:38:05
1	Se 196.026†	890.8	759.6	0.8520	mg/L	0.8520	mg/L	00:38:05
1	Sn 189.927†	41068.3	35020.7	8.718	mg/L	8.718	mg/L	00:37:55
1	Ti 337.279†	2835902.5	2418947.8	3.421	mg/L	3.421	mg/L	00:37:53
1	Tl 190.801†	630.3	535.6	0.2032	mg/L	0.2032	mg/L	00:38:05
1	V 292.402†	252672.8	216165.2	1.353	mg/L	1.353	mg/L	00:37:55
1	Zn 213.857†	12581745.6	10729048.9	115.1	mg/L	115.1	mg/L	00:37:49
2	B 249.677†	1148.9	966.2	0.5633	mg/L	0.5633	mg/L	00:37:41
2	Fe 234.349†	376383.1	317887.3	272.4	mg/L	272.4	mg/L	00:37:39
2	K 766.490†	56928.6	47911.5	25.97	mg/L	25.97	mg/L	00:37:41
2	Li 670.784†	19024.2	16242.7	0.5023	mg/L	0.5023	mg/L	00:37:41
2	Na 589.592†	170295.9	143676.1	23.60	mg/L	23.60	mg/L	00:37:39
2	Sr 407.771†	371941.0	313999.0	0.3299	mg/L	0.3299	mg/L	00:37:39
2	Y 371.029	2932863.3	2932863.3	1.18	mg/L			00:38:14
2	Ag 328.068†	206734.0	173217.0	1.493	mg/L	1.493	mg/L	00:38:16
2	Al 237.313†	676894.5	571811.8	73.87	mg/L	73.87	mg/L	00:38:14
2	As 188.979†	501.3	420.4	0.6384	mg/L	0.6384	mg/L	00:38:27
2	B 182.528†	328.3	274.7	0.5414	mg/L	0.5414	mg/L	00:38:27
2	Ba 233.527†	311087.7	262789.5	3.634	mg/L	3.634	mg/L	00:38:16
2	Be 313.107†	109467.0	92968.3	0.0562	mg/L	0.0562	mg/L	00:38:16
2	Ca 315.887†	4368601.4	3689434.4	34.75	mg/L	34.75	mg/L	00:38:14
2	Cd 228.802†	8929.7	7478.9	0.2625	mg/L	0.2625	mg/L	00:38:27
2	Co 228.616†	36684.2	31047.2	0.7703	mg/L	0.7703	mg/L	00:38:16
2	Cr 267.716†	929968.8	785014.6	8.642	mg/L	8.642	mg/L	00:38:14
2	Cu 324.752†	22843114.7	19291357.9	108.6	mg/L	108.6	mg/L	00:38:11
2	Fe 238.204†	28785980.0	24311595.4	205.5	mg/L	205.5	mg/L	00:38:11
2	Mg 279.077†	284210.4	239900.4	21.14	mg/L	21.14	mg/L	00:38:16
2	Mn 257.610†	3112609.1	2627645.5	4.643	mg/L	4.643	mg/L	00:38:14
2	Mo 202.031†	9962.4	8386.8	0.2866	mg/L	0.2866	mg/L	00:38:27
2	Ni 231.604†	138118.3	116669.3	4.131	mg/L	4.131	mg/L	00:38:16
2	P 214.914†	125492.8	105644.6	61.48	mg/L	61.48	mg/L	00:38:16
2	Pb 220.353†	337384.3	284886.3	24.35	mg/L	24.35	mg/L	00:38:16
2	Sb 206.836†	165.4	102.9	-0.0342	mg/L	-0.0342	mg/L	00:38:27
2	Se 196.026†	879.1	742.4	0.8345	mg/L	0.8345	mg/L	00:38:27
2	Sn 189.927†	41346.1	34916.8	8.688	mg/L	8.688	mg/L	00:38:16
2	Ti 337.279†	2855309.7	2411965.8	3.411	mg/L	3.411	mg/L	00:38:14
2	Tl 190.801†	618.0	520.0	0.1935	mg/L	0.1935	mg/L	00:38:27
2	V 292.402†	252954.7	214320.8	1.341	mg/L	1.341	mg/L	00:38:16
2	Zn 213.857†	12570224.4	10615623.2	113.9	mg/L	113.9	mg/L	00:38:11

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2918691.4	1.18	mg/L	0.008				0.69%
Ag 328.068†	173775.1	1.498	mg/L	0.0068	1.498	mg/L	0.0068	0.46%
Al 237.313†	572377.7	73.95	mg/L	0.104	73.95	mg/L	0.104	0.14%
As 188.979†	428.2	0.6485	mg/L	0.01439	0.6485	mg/L	0.01439	2.22%
B 182.528†	272.3	0.5367	mg/L	0.00658	0.5367	mg/L	0.00658	1.23%
B 249.677†	978.9	0.5707	mg/L	0.01043	0.5707	mg/L	0.01043	1.83%
Ba 233.527†	263993.4	3.651	mg/L	0.0236	3.651	mg/L	0.0236	0.65%
Be 313.107†	93429.5	0.0565	mg/L	0.00039	0.0565	mg/L	0.00039	0.69%
Ca 315.887†	3697657.3	34.83	mg/L	0.110	34.83	mg/L	0.110	0.31%
Cd 228.802†	7522.3	0.2640	mg/L	0.00211	0.2640	mg/L	0.00211	0.80%
Co 228.616†	31131.4	0.7725	mg/L	0.00298	0.7725	mg/L	0.00298	0.39%
Cr 267.716†	786845.1	8.662	mg/L	0.0285	8.662	mg/L	0.0285	0.33%
Cu 324.752†	19400985.1	109.2	mg/L	0.87	109.2	mg/L	0.87	0.80%
Fe 234.349†	319050.7	273.4	mg/L	1.41	273.4	mg/L	1.41	0.52%
Fe 238.204†	24439483.3	206.5	mg/L	1.53	206.5	mg/L	1.53	0.74%
K 766.490†	48659.3	26.37	mg/L	0.569	26.37	mg/L	0.569	2.16%
Li 670.784†	16500.4	0.5103	mg/L	0.01126	0.5103	mg/L	0.01126	2.21%
Mg 279.077†	240612.7	21.20	mg/L	0.089	21.20	mg/L	0.089	0.42%
Mn 257.610†	2631712.1	4.651	mg/L	0.0102	4.651	mg/L	0.0102	0.22%
Mo 202.031†	8437.5	0.2885	mg/L	0.00277	0.2885	mg/L	0.00277	0.96%
Na 589.592†	144256.9	23.70	mg/L	0.134	23.70	mg/L	0.134	0.57%
Ni 231.604†	117060.2	4.145	mg/L	0.0196	4.145	mg/L	0.0196	0.47%
P 214.914†	105943.3	61.65	mg/L	0.238	61.65	mg/L	0.238	0.39%
Pb 220.353†	285880.6	24.44	mg/L	0.120	24.44	mg/L	0.120	0.49%
Sb 206.836†	108.8	-0.0296	mg/L	0.00648	-0.0296	mg/L	0.00648	21.85%
Se 196.026†	751.0	0.8432	mg/L	0.01241	0.8432	mg/L	0.01241	1.47%
Sn 189.927†	34968.7	8.703	mg/L	0.0207	8.703	mg/L	0.0207	0.24%
Sr 407.771†	315493.8	0.3314	mg/L	0.00222	0.3314	mg/L	0.00222	0.67%
Ti 337.279†	2415456.8	3.416	mg/L	0.0070	3.416	mg/L	0.0070	0.20%
Tl 190.801†	527.8	0.1984	mg/L	0.00687	0.1984	mg/L	0.00687	3.46%
V 292.402†	215243.0	1.347	mg/L	0.0081	1.347	mg/L	0.0081	0.60%
Zn 213.857†	10672336.1	114.5	mg/L	0.86	114.5	mg/L	0.86	0.75%

Sequence No.: 127	Autosampler Location: 113
Sample ID: CJ20518-SD1 @5	Date Collected: 10/7/2012 12:41:35 AM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CJ20518-SD1 @5

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time
		Intensity	Corrected Intensity		Conc. Units	Conc. Units	
1	B 249.677†	46.3	33.7	0.0222 mg/L	0.0222 mg/L		00:43:27
1	Fe 234.349†	72386.3	59144.5	50.70 mg/L	50.70 mg/L		00:43:17
1	K 766.490†	3652.5	2815.3	1.711 mg/L	1.711 mg/L		00:43:27
1	Li 670.784†	597.7	663.7	0.0211 mg/L	0.0211 mg/L		00:43:27
1	Na 589.592†	5327.4	4201.9	0.7886 mg/L	0.7886 mg/L		00:43:27
1	Sr 407.771†	81472.5	66431.1	0.0701 mg/L	0.0701 mg/L		00:43:17
1	Y 371.029	3031874.7	3031874.7	1.22 mg/L			00:43:45
1	Ag 328.068†	70558.0	56260.8	0.4811 mg/L	0.4811 mg/L		00:43:48
1	Al 237.313†	166494.0	136151.2	17.58 mg/L	17.58 mg/L		00:43:48
1	As 188.979†	37.2	27.4	0.0567 mg/L	0.0567 mg/L		00:43:58
1	B 182.528†	8.3	4.2	0.0135 mg/L	0.0135 mg/L		00:43:58
1	Ba 233.527†	65215.2	53334.5	0.7360 mg/L	0.7360 mg/L		00:43:48
1	Be 313.107†	8274.9	7276.4	0.0043 mg/L	0.0043 mg/L		00:43:48
1	Ca 315.887†	915918.7	748143.1	7.033 mg/L	7.033 mg/L		00:43:45
1	Cd 228.802†	629.6	451.6	0.0158 mg/L	0.0158 mg/L		00:43:58
1	Co 228.616†	1221.3	1062.7	0.0226 mg/L	0.0226 mg/L		00:43:58
1	Cr 267.716†	182684.6	148842.8	1.636 mg/L	1.636 mg/L		00:43:48
1	Cu 324.752†	3848564.1	3142998.3	17.70 mg/L	17.70 mg/L		00:43:45
1	Fe 238.204†	7067963.0	5774286.0	48.79 mg/L	48.79 mg/L		00:43:45
1	Mg 279.077†	64711.0	52733.2	4.615 mg/L	4.615 mg/L		00:43:48
1	Mn 257.610†	379239.6	308666.1	0.5429 mg/L	0.5429 mg/L		00:43:45
1	Mo 202.031†	382.3	285.2	-0.0131 mg/L	-0.0131 mg/L		00:43:58
1	Ni 231.604†	18297.3	14967.4	0.5266 mg/L	0.5266 mg/L		00:43:48
1	P 214.914†	10629.4	8341.4	4.778 mg/L	4.778 mg/L		00:43:48
1	Pb 220.353†	58875.1	48042.1	4.118 mg/L	4.118 mg/L		00:43:48
1	Sb 206.836†	35.7	-7.6	-0.0299 mg/L	-0.0299 mg/L		00:43:58

1	Se 196.026†	-3.0	-2.5	0.0177 mg/L	0.0177 mg/L	00:43:58
1	Sn 189.927†	6066.5	4953.4	1.265 mg/L	1.265 mg/L	00:43:58
1	Ti 337.279†	612452.6	500825.7	0.7066 mg/L	0.7066 mg/L	00:43:45
1	Tl 190.801†	10.9	6.9	-0.0300 mg/L	-0.0300 mg/L	00:43:58
1	V 292.402†	42480.7	35389.3	0.2193 mg/L	0.2193 mg/L	00:43:48
1	Zn 213.857†	730482.4	595994.4	6.371 mg/L	6.371 mg/L	00:43:45
2	B 249.677†	42.6	30.6	0.0204 mg/L	0.0204 mg/L	00:43:40
2	Fe 234.349†	72390.9	59011.8	50.59 mg/L	50.59 mg/L	00:43:30
2	K 766.490†	3630.4	2790.5	1.698 mg/L	1.698 mg/L	00:43:40
2	Li 670.784†	579.2	647.6	0.0206 mg/L	0.0206 mg/L	00:43:40
2	Na 589.592†	5283.2	4155.8	0.7811 mg/L	0.7811 mg/L	00:43:40
2	Sr 407.771†	81713.1	66473.7	0.0702 mg/L	0.0702 mg/L	00:43:30
2	Y 371.029	3038886.8	3038886.8	1.23 mg/L		00:44:01
2	Ag 328.068†	69022.0	54875.9	0.4693 mg/L	0.4693 mg/L	00:44:04
2	Al 237.313†	162289.8	132410.5	17.10 mg/L	17.10 mg/L	00:44:04
2	As 188.979†	30.1	21.5	0.0493 mg/L	0.0493 mg/L	00:44:14
2	B 182.528†	11.1	6.4	0.0179 mg/L	0.0179 mg/L	00:44:14
2	Ba 233.527†	63798.0	52056.4	0.7184 mg/L	0.7184 mg/L	00:44:04
2	Be 313.107†	8088.4	7108.7	0.0042 mg/L	0.0042 mg/L	00:44:04
2	Ca 315.887†	918722.2	748701.6	7.038 mg/L	7.038 mg/L	00:44:01
2	Cd 228.802†	631.7	452.1	0.0158 mg/L	0.0158 mg/L	00:44:14
2	Co 228.616†	1225.0	1063.4	0.0226 mg/L	0.0226 mg/L	00:44:14
2	Cr 267.716†	178449.4	145046.3	1.594 mg/L	1.594 mg/L	00:44:04
2	Cu 324.752†	3847439.6	3134826.7	17.65 mg/L	17.65 mg/L	00:44:01
2	Fe 238.204†	7088729.9	5777888.9	48.82 mg/L	48.82 mg/L	00:44:01
2	Mg 279.077†	63272.2	51438.4	4.501 mg/L	4.501 mg/L	00:44:04
2	Mn 257.610†	380227.8	308756.6	0.5431 mg/L	0.5431 mg/L	00:44:01
2	Mo 202.031†	359.4	265.8	-0.0141 mg/L	-0.0141 mg/L	00:44:14
2	Ni 231.604†	17787.8	14517.7	0.5107 mg/L	0.5107 mg/L	00:44:04
2	P 214.914†	10477.5	8197.5	4.693 mg/L	4.693 mg/L	00:44:04
2	Pb 220.353†	57549.6	46850.8	4.015 mg/L	4.015 mg/L	00:44:04
2	Sb 206.836†	43.4	-1.4	-0.0246 mg/L	-0.0246 mg/L	00:44:14
2	Se 196.026†	-4.2	-3.5	0.0166 mg/L	0.0166 mg/L	00:44:14
2	Sn 189.927†	6081.1	4953.9	1.265 mg/L	1.265 mg/L	00:44:14
2	Ti 337.279†	613809.7	500777.3	0.7066 mg/L	0.7066 mg/L	00:44:01
2	Tl 190.801†	11.2	7.1	-0.0297 mg/L	-0.0297 mg/L	00:44:14
2	V 292.402†	41543.9	34545.7	0.2138 mg/L	0.2138 mg/L	00:44:04
2	Zn 213.857†	738892.2	601472.2	6.430 mg/L	6.430 mg/L	00:44:01

Mean Data: CJ20518-SD1 @5

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3035380.8	1.23	mg/L	0.002				0.16%
Ag 328.068†	55568.4	0.4752	mg/L	0.00834	0.4752	mg/L	0.00834	1.75%
Al 237.313†	134280.8	17.34	mg/L	0.342	17.34	mg/L	0.342	1.97%
As 188.979†	24.4	0.0530	mg/L	0.00521	0.0530	mg/L	0.00521	9.82%
B 182.528†	5.3	0.0157	mg/L	0.00312	0.0157	mg/L	0.00312	19.85%
B 249.677†	32.1	0.0213	mg/L	0.00129	0.0213	mg/L	0.00129	6.06%
Ba 233.527†	52695.4	0.7272	mg/L	0.01250	0.7272	mg/L	0.01250	1.72%
Be 313.107†	7192.6	0.0043	mg/L	0.00007	0.0043	mg/L	0.00007	1.72%
Ca 315.887†	748422.3	7.036	mg/L	0.0037	7.036	mg/L	0.0037	0.05%
Cd 228.802†	451.8	0.0158	mg/L	0.00004	0.0158	mg/L	0.00004	0.23%
Co 228.616†	1063.0	0.0226	mg/L	0.00001	0.0226	mg/L	0.00001	0.05%
Cr 267.716†	146944.6	1.615	mg/L	0.0296	1.615	mg/L	0.0296	1.83%
Cu 324.752†	3138912.5	17.67	mg/L	0.033	17.67	mg/L	0.033	0.18%
Fe 234.349†	59078.2	50.65	mg/L	0.080	50.65	mg/L	0.080	0.16%
Fe 238.204†	5776087.4	48.81	mg/L	0.022	48.81	mg/L	0.022	0.04%
K 766.490†	2802.9	1.705	mg/L	0.0095	1.705	mg/L	0.0095	0.55%
Li 670.784†	655.7	0.0208	mg/L	0.00035	0.0208	mg/L	0.00035	1.70%
Mg 279.077†	52085.8	4.558	mg/L	0.0807	4.558	mg/L	0.0807	1.77%
Mn 257.610†	308711.4	0.5430	mg/L	0.00011	0.5430	mg/L	0.00011	0.02%
Mo 202.031†	275.5	-0.0136	mg/L	0.00068	-0.0136	mg/L	0.00068	5.04%
Na 589.592†	4178.8	0.7848	mg/L	0.00533	0.7848	mg/L	0.00533	0.68%
Ni 231.604†	14742.6	0.5187	mg/L	0.01127	0.5187	mg/L	0.01127	2.17%
P 214.914†	8269.4	4.735	mg/L	0.0601	4.735	mg/L	0.0601	1.27%
Pb 220.353†	47446.4	4.066	mg/L	0.0726	4.066	mg/L	0.0726	1.79%
Sb 206.836†	-4.5	-0.0272	mg/L	0.00373	-0.0272	mg/L	0.00373	13.69%
Se 196.026†	-3.0	0.0172	mg/L	0.00073	0.0172	mg/L	0.00073	4.23%
Sn 189.927†	4953.6	1.265	mg/L	0.0002	1.265	mg/L	0.0002	0.01%
Sr 407.771†	66452.4	0.0702	mg/L	0.00003	0.0702	mg/L	0.00003	0.04%
Ti 337.279†	500801.5	0.7066	mg/L	0.00005	0.7066	mg/L	0.00005	0.01%
Tl 190.801†	7.0	-0.0299	mg/L	0.00016	-0.0299	mg/L	0.00016	0.52%

V 292.402†	34967.5	0.2166 mg/L	0.00390	0.2166 mg/L	0.00390	1.80%
Zn 213.857†	598733.3	6.401 mg/L	0.0418	6.401 mg/L	0.0418	0.65%

Sequence No.: 128	Autosampler Location: 114
Sample ID: CJ20518-PDS1	Date Collected: 10/7/2012 12:45:52 AM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CJ20518-PDS1							
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time	
1	B 249.677†	1134.9	928.4	0.5420 mg/L	0.5420 mg/L	00:47:37	
1	Fe 234.349†	337242.9	277139.3	237.5 mg/L	237.5 mg/L	00:47:35	
1	K 766.490†	69447.9	56900.9	30.80 mg/L	30.80 mg/L	00:47:37	
1	Li 670.784†	23056.4	19122.3	0.5913 mg/L	0.5913 mg/L	00:47:37	
1	Na 589.592†	197963.8	162528.6	26.69 mg/L	26.69 mg/L	00:47:35	
1	Sr 407.771†	434441.1	356876.4	0.3748 mg/L	0.3748 mg/L	00:47:35	
1	Y 371.029	3014260.7	3014260.7	1.22 mg/L		00:47:52	
1	Ag 328.068†	284693.9	232566.5	1.996 mg/L	1.996 mg/L	00:47:54	
1	Al 237.313†	798411.3	656231.9	84.77 mg/L	84.77 mg/L	00:47:54	
1	As 188.979†	604.1	493.4	0.7145 mg/L	0.7145 mg/L	00:48:05	
1	B 182.528†	334.2	272.0	0.5362 mg/L	0.5362 mg/L	00:48:05	
1	Ba 233.527†	341920.4	281031.7	3.886 mg/L	3.886 mg/L	00:47:54	
1	Be 313.107†	132824.2	109665.8	0.0661 mg/L	0.0661 mg/L	00:47:54	
1	Ca 315.887†	4892810.6	4020575.8	37.87 mg/L	37.87 mg/L	00:47:52	
1	Cd 228.802†	10399.2	8482.9	0.2977 mg/L	0.2977 mg/L	00:48:05	
1	Co 228.616†	28432.2	23429.4	0.5783 mg/L	0.5783 mg/L	00:48:05	
1	Cr 267.716†	883867.9	725921.0	7.992 mg/L	7.992 mg/L	00:47:52	
1	Cu 324.752†	17557031.8	14426474.4	81.23 mg/L	81.23 mg/L	00:47:48	
1	Fe 238.204†	27310271.9	22442396.4	189.7 mg/L	189.7 mg/L	00:47:48	
1	Mg 279.077†	354234.9	290962.0	25.63 mg/L	25.63 mg/L	00:47:54	
1	Mn 257.610†	2062882.4	1694030.8	2.993 mg/L	2.993 mg/L	00:47:52	
1	Mo 202.031†	12209.7	10006.3	0.4028 mg/L	0.4028 mg/L	00:48:05	
1	Ni 231.604†	99164.8	81508.7	2.885 mg/L	2.885 mg/L	00:47:54	
1	P 214.914†	55226.3	45040.2	25.86 mg/L	25.86 mg/L	00:47:54	
1	Pb 220.353†	266769.2	219162.8	18.80 mg/L	18.80 mg/L	00:47:54	
1	Sb 206.836†	765.3	592.1	0.3935 mg/L	0.3935 mg/L	00:48:05	
1	Se 196.026†	1192.1	979.6	1.050 mg/L	1.050 mg/L	00:48:05	
1	Sn 189.927†	30894.0	25384.7	6.431 mg/L	6.431 mg/L	00:48:05	
1	Ti 337.279†	3316089.9	2725496.9	3.855 mg/L	3.855 mg/L	00:47:52	
1	Tl 190.801†	781.7	640.4	0.2972 mg/L	0.2972 mg/L	00:48:05	
1	V 292.402†	298313.4	245825.8	1.542 mg/L	1.542 mg/L	00:47:54	
1	Zn 213.857†	2885304.6	2370233.5	25.32 mg/L	25.32 mg/L	00:47:52	
2	B 249.677†	1132.7	921.6	0.5380 mg/L	0.5380 mg/L	00:47:41	
2	Fe 234.349†	346410.1	283128.1	242.6 mg/L	242.6 mg/L	00:47:39	
2	K 766.490†	69844.6	56915.5	30.81 mg/L	30.81 mg/L	00:47:41	
2	Li 670.784†	23223.8	19156.4	0.5923 mg/L	0.5923 mg/L	00:47:41	
2	Na 589.592†	202279.5	165173.2	27.12 mg/L	27.12 mg/L	00:47:39	
2	Sr 407.771†	445005.7	363574.0	0.3819 mg/L	0.3819 mg/L	00:47:39	
2	Y 371.029	3030703.1	3030703.1	1.22 mg/L		00:48:13	
2	Ag 328.068†	280175.9	227604.7	1.954 mg/L	1.954 mg/L	00:48:15	
2	Al 237.313†	784625.2	641404.9	82.85 mg/L	82.85 mg/L	00:48:15	
2	As 188.979†	619.9	503.7	0.7295 mg/L	0.7295 mg/L	00:48:25	
2	B 182.528†	334.3	270.6	0.5334 mg/L	0.5334 mg/L	00:48:25	
2	Ba 233.527†	335832.4	274531.6	3.796 mg/L	3.796 mg/L	00:48:15	
2	Be 313.107†	130659.0	107304.0	0.0647 mg/L	0.0647 mg/L	00:48:15	
2	Ca 315.887†	4907335.9	4010633.9	37.77 mg/L	37.77 mg/L	00:48:13	
2	Cd 228.802†	10394.6	8432.7	0.2959 mg/L	0.2959 mg/L	00:48:25	
2	Co 228.616†	28494.5	23353.5	0.5764 mg/L	0.5764 mg/L	00:48:25	
2	Cr 267.716†	885937.2	723671.7	7.967 mg/L	7.967 mg/L	00:48:13	
2	Cu 324.752†	17434046.8	14247684.2	80.23 mg/L	80.23 mg/L	00:48:09	
2	Fe 238.204†	27154560.6	22193376.1	187.6 mg/L	187.6 mg/L	00:48:09	
2	Mg 279.077†	347499.5	283877.8	25.01 mg/L	25.01 mg/L	00:48:15	
2	Mn 257.610†	2068405.8	1689348.3	2.984 mg/L	2.984 mg/L	00:48:13	
2	Mo 202.031†	12185.1	9931.8	0.3980 mg/L	0.3980 mg/L	00:48:25	
2	Ni 231.604†	97412.9	79634.8	2.819 mg/L	2.819 mg/L	00:48:15	
2	P 214.914†	54234.8	43983.6	25.26 mg/L	25.26 mg/L	00:48:15	
2	Pb 220.353†	262210.2	214247.3	18.38 mg/L	18.38 mg/L	00:48:15	
2	Sb 206.836†	764.1	587.7	0.3875 mg/L	0.3875 mg/L	00:48:25	
2	Se 196.026†	1191.8	974.0	1.046 mg/L	1.046 mg/L	00:48:25	

2	Sn 189.927†	30862.4	25221.1	6.409 mg/L	6.409 mg/L	00:48:25
2	Ti 337.279†	3329541.3	2721706.8	3.849 mg/L	3.849 mg/L	00:48:13
2	Tl 190.801†	783.6	638.5	0.2930 mg/L	0.2930 mg/L	00:48:25
2	V 292.402†	293501.6	240563.1	1.507 mg/L	1.507 mg/L	00:48:15
2	Zn 213.857†	2891807.6	2362685.0	25.24 mg/L	25.24 mg/L	00:48:13

Mean Data: CJ20518-PDS1

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3022481.9	1.22 mg/L	0.005			0.38%
Ag 328.068†	230085.6	1.975 mg/L	0.0296	1.975 mg/L	0.0296	1.50%
Al 237.313†	648818.4	83.81 mg/L	1.354	83.81 mg/L	1.354	1.62%
As 188.979†	498.6	0.7220 mg/L	0.01060	0.7220 mg/L	0.01060	1.47%
B 182.528†	271.3	0.5348 mg/L	0.00194	0.5348 mg/L	0.00194	0.36%
B 249.677†	925.0	0.5400 mg/L	0.00281	0.5400 mg/L	0.00281	0.52%
Ba 233.527†	277781.6	3.841 mg/L	0.0636	3.841 mg/L	0.0636	1.66%
Be 313.107†	108484.9	0.0654 mg/L	0.00100	0.0654 mg/L	0.00100	1.53%
Ca 315.887†	4015604.8	37.82 mg/L	0.066	37.82 mg/L	0.066	0.18%
Cd 228.802†	8457.8	0.2968 mg/L	0.00130	0.2968 mg/L	0.00130	0.44%
Co 228.616†	23391.5	0.5773 mg/L	0.00134	0.5773 mg/L	0.00134	0.23%
Cr 267.716†	724796.4	7.979 mg/L	0.0175	7.979 mg/L	0.0175	0.22%
Cu 324.752†	14337079.3	80.73 mg/L	0.712	80.73 mg/L	0.712	0.88%
Fe 234.349†	280133.7	240.1 mg/L	3.63	240.1 mg/L	3.63	1.51%
Fe 238.204†	22317886.3	188.6 mg/L	1.49	188.6 mg/L	1.49	0.79%
K 766.490†	56908.2	30.81 mg/L	0.006	30.81 mg/L	0.006	0.02%
Li 670.784†	19139.4	0.5918 mg/L	0.00074	0.5918 mg/L	0.00074	0.13%
Mg 279.077†	287419.9	25.32 mg/L	0.442	25.32 mg/L	0.442	1.74%
Mn 257.610†	1691689.6	2.989 mg/L	0.0059	2.989 mg/L	0.0059	0.20%
Mo 202.031†	9969.1	0.4004 mg/L	0.00344	0.4004 mg/L	0.00344	0.86%
Na 589.592†	163850.9	26.90 mg/L	0.306	26.90 mg/L	0.306	1.14%
Ni 231.604†	80571.7	2.852 mg/L	0.0470	2.852 mg/L	0.0470	1.65%
P 214.914†	44511.9	25.56 mg/L	0.423	25.56 mg/L	0.423	1.65%
Pb 220.353†	216705.0	18.59 mg/L	0.299	18.59 mg/L	0.299	1.61%
Sb 206.836†	589.9	0.3905 mg/L	0.00425	0.3905 mg/L	0.00425	1.09%
Se 196.026†	976.8	1.048 mg/L	0.0023	1.048 mg/L	0.0023	0.22%
Sn 189.927†	25302.9	6.420 mg/L	0.0155	6.420 mg/L	0.0155	0.24%
Sr 407.771†	360225.2	0.3783 mg/L	0.00497	0.3783 mg/L	0.00497	1.31%
Ti 337.279†	2723601.8	3.852 mg/L	0.0038	3.852 mg/L	0.0038	0.10%
Tl 190.801†	639.4	0.2951 mg/L	0.00296	0.2951 mg/L	0.00296	1.00%
V 292.402†	243194.5	1.525 mg/L	0.0241	1.525 mg/L	0.0241	1.58%
Zn 213.857†	2366459.2	25.28 mg/L	0.056	25.28 mg/L	0.056	0.22%

Sequence No.: 129

Sample ID: 1210127-11

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 115

Date Collected: 10/7/2012 12:50:03 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	182.8	143.7	0.0861 mg/L	0.0861 mg/L	00:51:46
1	Fe 234.349†	323382.2	261492.4	224.1 mg/L	224.1 mg/L	00:51:43
1	K 766.490†	33408.9	26845.7	14.64 mg/L	14.64 mg/L	00:51:46
1	Li 670.784†	6091.9	5101.3	0.1582 mg/L	0.1582 mg/L	00:51:46
1	Na 589.592†	20951.7	16790.9	2.848 mg/L	2.848 mg/L	00:51:46
1	Sr 407.771†	420651.5	340007.6	0.3571 mg/L	0.3571 mg/L	00:51:43
1	Y 371.029	3063329.2	3063329.2	1.24 mg/L		00:52:00
1	Ag 328.068†	127377.9	101613.4	0.8804 mg/L	0.8804 mg/L	00:52:02
1	Al 237.313†	800326.6	647271.0	83.56 mg/L	83.56 mg/L	00:52:00
1	As 188.979†	101.1	78.8	0.1924 mg/L	0.1924 mg/L	00:52:12
1	B 182.528†	72.8	56.2	0.1150 mg/L	0.1150 mg/L	00:52:12
1	Ba 233.527†	228720.8	184997.9	2.558 mg/L	2.558 mg/L	00:52:02
1	Be 313.107†	11643.1	9930.5	0.0058 mg/L	0.0058 mg/L	00:52:02
1	Ca 315.887†	5824111.4	4709220.9	44.35 mg/L	44.35 mg/L	00:52:00
1	Cd 228.802†	860.7	633.2	0.0219 mg/L	0.0219 mg/L	00:52:12
1	Co 228.616†	3737.0	3086.6	0.0655 mg/L	0.0655 mg/L	00:52:12
1	Cr 267.716†	61815.4	49575.6	0.5428 mg/L	0.5428 mg/L	00:52:02
1	Cu 324.752†	2817702.0	2277158.8	12.82 mg/L	12.82 mg/L	00:52:00
1	Fe 238.204†	25965356.5	20995413.6	177.4 mg/L	177.4 mg/L	00:51:56

1	Mg	279.077†	356673.4	288271.0	25.40	mg/L	25.40	mg/L	00:52:00
1	Mn	257.610†	1998785.1	1615048.1	2.853	mg/L	2.853	mg/L	00:52:00
1	Mo	202.031†	1508.0	1192.3	-0.0154	mg/L	-0.0154	mg/L	00:52:02
1	Ni	231.604†	27691.0	22409.7	0.7904	mg/L	0.7904	mg/L	00:52:02
1	P	214.914†	17029.3	13427.2	8.304	mg/L	8.304	mg/L	00:52:02
1	Pb	220.353†	128040.0	103474.9	8.884	mg/L	8.884	mg/L	00:52:02
1	Sb	206.836†	103.9	47.2	-0.0600	mg/L	-0.0600	mg/L	00:52:12
1	Se	196.026†	-52.2	-42.3	0.0530	mg/L	0.0530	mg/L	00:52:12
1	Sn	189.927†	3815.4	3082.3	1.349	mg/L	1.349	mg/L	00:52:12
1	Ti	337.279†	4142155.8	3349803.6	4.738	mg/L	4.738	mg/L	00:52:00
1	Tl	190.801†	14.9	10.1	-0.1336	mg/L	-0.1336	mg/L	00:52:12
1	V	292.402†	193711.1	157317.7	0.9408	mg/L	0.9408	mg/L	00:52:02
1	Zn	213.857†	1010819.3	816546.7	8.750	mg/L	8.750	mg/L	00:52:00
2	B	249.677†	201.1	155.4	0.0929	mg/L	0.0929	mg/L	00:51:50
2	Fe	234.349†	330166.9	261972.8	224.5	mg/L	224.5	mg/L	00:51:48
2	K	766.490†	33257.4	26219.0	14.30	mg/L	14.30	mg/L	00:51:50
2	Li	670.784†	5980.3	4920.4	0.1526	mg/L	0.1526	mg/L	00:51:50
2	Na	589.592†	20812.1	16362.5	2.778	mg/L	2.778	mg/L	00:51:50
2	Sr	407.771†	427947.1	339418.6	0.3565	mg/L	0.3565	mg/L	00:51:48
2	Y	371.029	3121863.8	3121863.8	1.26	mg/L	1.26	mg/L	00:52:20
2	Ag	328.068†	127646.2	99895.2	0.8658	mg/L	0.8658	mg/L	00:52:22
2	Al	237.313†	817566.3	648815.8	83.76	mg/L	83.76	mg/L	00:52:20
2	As	188.979†	106.9	81.8	0.1964	mg/L	0.1964	mg/L	00:52:32
2	B	182.528†	70.1	53.0	0.1087	mg/L	0.1087	mg/L	00:52:32
2	Ba	233.527†	229469.1	182124.0	2.518	mg/L	2.518	mg/L	00:52:22
2	Be	313.107†	11689.5	9790.7	0.0057	mg/L	0.0057	mg/L	00:52:22
2	Ca	315.887†	5968370.6	4735381.5	44.60	mg/L	44.60	mg/L	00:52:20
2	Cd	228.802†	874.3	630.9	0.0218	mg/L	0.0218	mg/L	00:52:32
2	Co	228.616†	3751.4	3041.4	0.0644	mg/L	0.0644	mg/L	00:52:32
2	Cr	267.716†	61724.7	48566.4	0.5317	mg/L	0.5317	mg/L	00:52:22
2	Cu	324.752†	2865359.9	2272252.7	12.80	mg/L	12.80	mg/L	00:52:20
2	Fe	238.204†	25896287.3	20546946.9	173.7	mg/L	173.7	mg/L	00:52:16
2	Mg	279.077†	365445.6	289823.6	25.53	mg/L	25.53	mg/L	00:52:20
2	Mn	257.610†	2041592.3	1618709.1	2.859	mg/L	2.859	mg/L	00:52:20
2	Mo	202.031†	1502.9	1165.3	-0.0169	mg/L	-0.0169	mg/L	00:52:22
2	Ni	231.604†	27705.6	22001.5	0.7760	mg/L	0.7760	mg/L	00:52:22
2	P	214.914†	17017.0	13159.3	8.147	mg/L	8.147	mg/L	00:52:22
2	Pb	220.353†	128727.0	102078.8	8.763	mg/L	8.763	mg/L	00:52:22
2	Sb	206.836†	106.5	47.7	-0.0598	mg/L	-0.0598	mg/L	00:52:32
2	Se	196.026†	-63.4	-50.3	0.0453	mg/L	0.0453	mg/L	00:52:32
2	Sn	189.927†	3823.8	3031.1	1.339	mg/L	1.339	mg/L	00:52:32
2	Ti	337.279†	4224542.9	3352372.9	4.742	mg/L	4.742	mg/L	00:52:20
2	Tl	190.801†	15.3	10.2	-0.1338	mg/L	-0.1338	mg/L	00:52:32
2	V	292.402†	194249.3	154807.9	0.9250	mg/L	0.9250	mg/L	00:52:22
2	Zn	213.857†	1032757.6	818628.2	8.773	mg/L	8.773	mg/L	00:52:20

Mean Data: 1210127-11

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3092596.5	1.25	mg/L	0.017				1.34%
Ag 328.068†	100754.3	0.8731	mg/L	0.01032	0.8731	mg/L	0.01032	1.18%
Al 237.313†	648043.4	83.66	mg/L	0.141	83.66	mg/L	0.141	0.17%
As 188.979†	80.3	0.1944	mg/L	0.00280	0.1944	mg/L	0.00280	1.44%
B 182.528†	54.6	0.1119	mg/L	0.00445	0.1119	mg/L	0.00445	3.97%
B 249.677†	149.5	0.0895	mg/L	0.00481	0.0895	mg/L	0.00481	5.37%
Ba 233.527†	183561.0	2.538	mg/L	0.0281	2.538	mg/L	0.0281	1.11%
Be 313.107†	9860.6	0.0058	mg/L	0.00006	0.0058	mg/L	0.00006	1.03%
Ca 315.887†	4722301.2	44.48	mg/L	0.174	44.48	mg/L	0.174	0.39%
Cd 228.802†	632.0	0.0218	mg/L	0.00007	0.0218	mg/L	0.00007	0.31%
Co 228.616†	3064.0	0.0649	mg/L	0.00081	0.0649	mg/L	0.00081	1.24%
Cr 267.716†	49071.0	0.5373	mg/L	0.00786	0.5373	mg/L	0.00786	1.46%
Cu 324.752†	2274705.8	12.81	mg/L	0.020	12.81	mg/L	0.020	0.15%
Fe 234.349†	261732.6	224.3	mg/L	0.29	224.3	mg/L	0.29	0.13%
Fe 238.204†	20771180.3	175.5	mg/L	2.68	175.5	mg/L	2.68	1.53%
K 766.490†	26532.3	14.47	mg/L	0.238	14.47	mg/L	0.238	1.65%
Li 670.784†	5010.9	0.1554	mg/L	0.00395	0.1554	mg/L	0.00395	2.54%
Mg 279.077†	289047.3	25.46	mg/L	0.097	25.46	mg/L	0.097	0.38%
Mn 257.610†	1616878.6	2.856	mg/L	0.0046	2.856	mg/L	0.0046	0.16%
Mo 202.031†	1178.8	-0.0161	mg/L	0.00109	-0.0161	mg/L	0.00109	6.76%
Na 589.592†	16576.7	2.813	mg/L	0.0495	2.813	mg/L	0.0495	1.76%
Ni 231.604†	22205.6	0.7832	mg/L	0.01023	0.7832	mg/L	0.01023	1.31%
P 214.914†	13293.2	8.226	mg/L	0.1117	8.226	mg/L	0.1117	1.36%

Pb 220.353†	102776.9	8.824 mg/L	0.0852	8.824 mg/L	0.0852	0.97%
Sb 206.836†	47.4	-0.0599 mg/L	0.00013	-0.0599 mg/L	0.00013	0.22%
Se 196.026†	-46.3	0.0492 mg/L	0.00542	0.0492 mg/L	0.00542	11.02%
Sn 189.927†	3056.7	1.344 mg/L	0.0073	1.344 mg/L	0.0073	0.55%
Sr 407.771†	339713.1	0.3568 mg/L	0.00044	0.3568 mg/L	0.00044	0.12%
Ti 337.279†	3351088.3	4.740 mg/L	0.0026	4.740 mg/L	0.0026	0.05%
Tl 190.801†	10.1	-0.1337 mg/L	0.00010	-0.1337 mg/L	0.00010	0.07%
V 292.402†	156062.8	0.9329 mg/L	0.01123	0.9329 mg/L	0.01123	1.20%
Zn 213.857†	817587.4	8.761 mg/L	0.0159	8.761 mg/L	0.0159	0.18%

Sequence No.: 130	Autosampler Location: 116
Sample ID: 1210127-12	Date Collected: 10/7/2012 12:54:11 AM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210127-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	376.1	304.8	0.1798 mg/L	0.1798 mg/L	00:55:54
1	Fe 234.349†	460032.0	377945.1	323.8 mg/L	323.8 mg/L	00:55:52
1	K 766.490†	27746.3	22626.3	12.37 mg/L	12.37 mg/L	00:55:54
1	Li 670.784†	5301.5	4530.9	0.1405 mg/L	0.1405 mg/L	00:55:54
1	Na 589.592†	39985.4	32699.4	5.450 mg/L	5.450 mg/L	00:55:54
1	Sr 407.771†	1053300.0	865207.8	0.9081 mg/L	0.9081 mg/L	00:55:52
1	Y 371.029	3015039.1	3015039.1	1.22 mg/L		00:56:11
1	Ag 328.068†	254827.5	207969.4	1.793 mg/L	1.793 mg/L	00:56:11
1	Al 237.313†	977746.8	803395.6	103.7 mg/L	103.7 mg/L	00:56:11
1	As 188.979†	153.8	123.4	0.2905 mg/L	0.2905 mg/L	00:56:21
1	B 182.528†	111.3	88.8	0.1787 mg/L	0.1787 mg/L	00:56:21
1	Ba 233.527†	357970.5	294145.1	4.068 mg/L	4.068 mg/L	00:56:11
1	Be 313.107†	22939.1	19361.5	0.0117 mg/L	0.0117 mg/L	00:56:11
1	Ca 315.887†	23991303.0	19709907.9	185.7 mg/L	185.7 mg/L	00:56:07
1	Cd 228.802†	6879.6	5589.1	0.1973 mg/L	0.1973 mg/L	00:56:21
1	Co 228.616†	5368.0	4475.0	0.1006 mg/L	0.1006 mg/L	00:56:21
1	Cr 267.716†	356605.6	292561.0	3.219 mg/L	3.219 mg/L	00:56:11
1	Cu 324.752†	11161577.4	9168562.8	51.63 mg/L	51.63 mg/L	00:56:07
1	Fe 238.204†	33718756.6	27701494.3	234.1 mg/L	234.1 mg/L	00:56:07
1	Mg 279.077†	419300.7	344341.7	30.35 mg/L	30.35 mg/L	00:56:11
1	Mn 257.610†	3022664.3	2482102.2	4.386 mg/L	4.386 mg/L	00:56:11
1	Mo 202.031†	1584.1	1274.3	-0.0690 mg/L	-0.0690 mg/L	00:56:21
1	Ni 231.604†	64570.9	53067.1	1.877 mg/L	1.877 mg/L	00:56:11
1	P 214.914†	35118.5	28508.9	16.78 mg/L	16.78 mg/L	00:56:11
1	Pb 220.353†	1073718.1	882055.2	76.02 mg/L	76.02 mg/L	00:56:11
1	Sb 206.836†	148.0	84.8	-0.0730 mg/L	-0.0730 mg/L	00:56:21
1	Se 196.026†	-111.2	-91.5	0.0478 mg/L	0.0478 mg/L	00:56:21
1	Sn 189.927†	9351.2	7679.6	2.681 mg/L	2.681 mg/L	00:56:21
1	Ti 337.279†	3958209.3	3252326.8	4.600 mg/L	4.600 mg/L	00:56:11
1	Tl 190.801†	29.4	22.2	-0.1810 mg/L	-0.1810 mg/L	00:56:21
1	V 292.402†	131953.8	109089.8	0.6360 mg/L	0.6360 mg/L	00:56:11
1	Zn 213.857†	2786167.0	2288174.9	24.50 mg/L	24.50 mg/L	00:56:11
2	B 249.677†	397.1	322.7	0.1902 mg/L	0.1902 mg/L	00:55:59
2	Fe 234.349†	463412.6	381445.8	326.8 mg/L	326.8 mg/L	00:55:57
2	K 766.490†	27904.4	22799.7	12.46 mg/L	12.46 mg/L	00:55:59
2	Li 670.784†	5349.5	4578.7	0.1420 mg/L	0.1420 mg/L	00:55:59
2	Na 589.592†	40571.2	33244.0	5.539 mg/L	5.539 mg/L	00:55:59
2	Sr 407.771†	1059583.0	872023.5	0.9152 mg/L	0.9152 mg/L	00:55:57
2	Y 371.029	3009321.9	3009321.9	1.21 mg/L		00:56:30
2	Ag 328.068†	231768.3	189386.9	1.635 mg/L	1.635 mg/L	00:56:30
2	Al 237.313†	974757.8	802461.4	103.6 mg/L	103.6 mg/L	00:56:30
2	As 188.979†	155.0	124.6	0.2932 mg/L	0.2932 mg/L	00:56:40
2	B 182.528†	112.1	89.7	0.1803 mg/L	0.1803 mg/L	00:56:40
2	Ba 233.527†	357562.4	294368.0	4.071 mg/L	4.071 mg/L	00:56:30
2	Be 313.107†	22822.4	19301.3	0.0117 mg/L	0.0117 mg/L	00:56:30
2	Ca 315.887†	24039429.6	19786967.8	186.4 mg/L	186.4 mg/L	00:56:26
2	Cd 228.802†	6879.6	5599.9	0.1976 mg/L	0.1976 mg/L	00:56:40
2	Co 228.616†	5378.3	4491.8	0.1011 mg/L	0.1011 mg/L	00:56:40
2	Cr 267.716†	356565.7	293084.8	3.224 mg/L	3.224 mg/L	00:56:30
2	Cu 324.752†	11170843.5	9193611.2	51.77 mg/L	51.77 mg/L	00:56:26
2	Fe 238.204†	33800450.5	27821366.7	235.1 mg/L	235.1 mg/L	00:56:26
2	Mg 279.077†	417958.0	343890.9	30.31 mg/L	30.31 mg/L	00:56:30

2	Mn 257.610†	3013455.7	2479240.3	4.381 mg/L	4.381 mg/L	00:56:30
2	Mo 202.031†	1580.4	1273.7	-0.0701 mg/L	-0.0701 mg/L	00:56:40
2	Ni 231.604†	64525.7	53130.6	1.879 mg/L	1.879 mg/L	00:56:30
2	P 214.914†	34838.3	28333.1	16.68 mg/L	16.68 mg/L	00:56:30
2	Pb 220.353†	1070583.0	881150.5	75.94 mg/L	75.94 mg/L	00:56:30
2	Sb 206.836†	154.0	89.9	-0.0699 mg/L	-0.0699 mg/L	00:56:40
2	Se 196.026†	-97.5	-80.3	0.0599 mg/L	0.0599 mg/L	00:56:40
2	Sn 189.927†	9407.0	7740.2	2.703 mg/L	2.703 mg/L	00:56:40
2	Ti 337.279†	3946400.3	3248784.7	4.595 mg/L	4.595 mg/L	00:56:30
2	Tl 190.801†	33.0	25.2	-0.1806 mg/L	-0.1806 mg/L	00:56:40
2	V 292.402†	131325.2	108778.3	0.6336 mg/L	0.6336 mg/L	00:56:30
2	Zn 213.857†	2780368.9	2287751.1	24.49 mg/L	24.49 mg/L	00:56:30

Mean Data: 1210127-12

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3012180.5	1.22 mg/L		0.002			0.13%
Ag 328.068†	198678.1	1.714 mg/L		0.1116	1.714 mg/L	0.1116	6.51%
Al 237.313†	802928.5	103.7 mg/L		0.09	103.7 mg/L	0.09	0.08%
As 188.979†	124.0	0.2919 mg/L		0.00194	0.2919 mg/L	0.00194	0.66%
B 182.528†	89.2	0.1795 mg/L		0.00115	0.1795 mg/L	0.00115	0.64%
B 249.677†	313.8	0.1850 mg/L		0.00738	0.1850 mg/L	0.00738	3.99%
Ba 233.527†	294256.6	4.070 mg/L		0.0022	4.070 mg/L	0.0022	0.05%
Be 313.107†	19331.4	0.0117 mg/L		0.00003	0.0117 mg/L	0.00003	0.21%
Ca 315.887†	19748437.8	186.0 mg/L		0.51	186.0 mg/L	0.51	0.28%
Cd 228.802†	5594.5	0.1975 mg/L		0.00027	0.1975 mg/L	0.00027	0.13%
Co 228.616†	4483.4	0.1008 mg/L		0.00031	0.1008 mg/L	0.00031	0.30%
Cr 267.716†	292822.9	3.222 mg/L		0.0041	3.222 mg/L	0.0041	0.13%
Cu 324.752†	9181087.0	51.70 mg/L		0.100	51.70 mg/L	0.100	0.19%
Fe 234.349†	379695.5	325.3 mg/L		2.12	325.3 mg/L	2.12	0.65%
Fe 238.204†	27761430.5	234.6 mg/L		0.72	234.6 mg/L	0.72	0.31%
K 766.490†	22713.0	12.41 mg/L		0.066	12.41 mg/L	0.066	0.53%
Li 670.784†	4554.8	0.1413 mg/L		0.00104	0.1413 mg/L	0.00104	0.74%
Mg 279.077†	344116.3	30.33 mg/L		0.028	30.33 mg/L	0.028	0.09%
Mn 257.610†	2480671.3	4.383 mg/L		0.0036	4.383 mg/L	0.0036	0.08%
Mo 202.031†	1274.0	-0.0695 mg/L		0.00075	-0.0695 mg/L	0.00075	1.08%
Na 589.592†	32971.7	5.495 mg/L		0.0630	5.495 mg/L	0.0630	1.15%
Ni 231.604†	53098.8	1.878 mg/L		0.0016	1.878 mg/L	0.0016	0.08%
P 214.914†	28421.0	16.73 mg/L		0.071	16.73 mg/L	0.071	0.42%
Pb 220.353†	881602.8	75.98 mg/L		0.055	75.98 mg/L	0.055	0.07%
Sb 206.836†	87.4	-0.0715 mg/L		0.00214	-0.0715 mg/L	0.00214	3.00%
Se 196.026†	-85.9	0.0538 mg/L		0.00853	0.0538 mg/L	0.00853	15.84%
Sn 189.927†	7709.9	2.692 mg/L		0.0159	2.692 mg/L	0.0159	0.59%
Sr 407.771†	868615.7	0.9117 mg/L		0.00506	0.9117 mg/L	0.00506	0.55%
Ti 337.279†	3250555.8	4.598 mg/L		0.0035	4.598 mg/L	0.0035	0.08%
Tl 190.801†	23.7	-0.1808 mg/L		0.00029	-0.1808 mg/L	0.00029	0.16%
V 292.402†	108934.0	0.6348 mg/L		0.00175	0.6348 mg/L	0.00175	0.28%
Zn 213.857†	2287963.0	24.49 mg/L		0.003	24.49 mg/L	0.003	0.01%

Sequence No.: 131

Sample ID: 1210132-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 117

Date Collected: 10/7/2012 12:58:19 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210132-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-12.7	-14.3	-0.0059 mg/L	-0.0059 mg/L	01:00:01
1	Fe 234.349†	228420.9	182522.4	156.5 mg/L	156.5 mg/L	00:59:59
1	K 766.490†	14384.6	11325.1	6.289 mg/L	6.289 mg/L	01:00:01
1	Li 670.784†	6460.5	5337.6	0.1655 mg/L	0.1655 mg/L	01:00:01
1	Na 589.592†	9152.5	7162.6	1.273 mg/L	1.273 mg/L	01:00:01
1	Sr 407.771†	107181.7	85511.2	0.0902 mg/L	0.0902 mg/L	00:59:59
1	Y 371.029	3099991.0	3099991.0	1.25 mg/L		01:00:15
1	Ag 328.068†	109.2	-1296.9	-0.0005 mg/L	-0.0005 mg/L	01:00:17
1	Al 237.313†	1019042.0	814379.3	105.1 mg/L	105.1 mg/L	01:00:15
1	As 188.979†	48.6	35.8	0.1117 mg/L	0.1117 mg/L	01:00:27
1	B 182.528†	19.1	12.6	0.0300 mg/L	0.0300 mg/L	01:00:27
1	Ba 233.527†	24621.9	19728.2	0.2710 mg/L	0.2710 mg/L	01:00:17

1	Be	313.107†	10823.1	9163.9	0.0053	mg/L	0.0053	mg/L	01:00:17
1	Ca	315.887†	2942106.7	2350698.9	22.13	mg/L	22.13	mg/L	01:00:15
1	Cd	228.802†	157.0	62.6	0.0020	mg/L	0.0020	mg/L	01:00:27
1	Co	228.616†	3228.0	2644.2	0.0519	mg/L	0.0519	mg/L	01:00:27
1	Cr	267.716†	15251.7	11778.3	0.1265	mg/L	0.1265	mg/L	01:00:17
1	Cu	324.752†	36069.6	27587.7	0.1567	mg/L	0.1567	mg/L	01:00:17
1	Fe	238.204†	19422929.6	15519472.9	131.2	mg/L	131.2	mg/L	01:00:12
1	Mg	279.077†	399438.3	319030.9	28.11	mg/L	28.11	mg/L	01:00:15
1	Mn	257.610†	1765526.5	1409551.9	2.489	mg/L	2.489	mg/L	01:00:15
1	Mo	202.031†	323.0	230.9	-0.0367	mg/L	-0.0367	mg/L	01:00:17
1	Ni	231.604†	3878.3	3117.7	0.1067	mg/L	0.1067	mg/L	01:00:27
1	P	214.914†	7015.2	5262.7	3.525	mg/L	3.525	mg/L	01:00:27
1	Pb	220.353†	5094.7	4012.7	0.3128	mg/L	0.3128	mg/L	01:00:27
1	Sb	206.836†	78.5	25.9	-0.0486	mg/L	-0.0486	mg/L	01:00:27
1	Se	196.026†	-34.9	-28.0	0.0380	mg/L	0.0380	mg/L	01:00:27
1	Sn	189.927†	-133.6	-109.6	0.4299	mg/L	0.4299	mg/L	01:00:27
1	Ti	337.279†	5302439.6	4237301.9	5.994	mg/L	5.994	mg/L	01:00:15
1	Tl	190.801†	13.5	8.8	-0.0962	mg/L	-0.0962	mg/L	01:00:27
1	V	292.402†	38158.4	31173.0	0.1595	mg/L	0.1595	mg/L	01:00:17
1	Zn	213.857†	56611.6	44433.6	0.4758	mg/L	0.4758	mg/L	01:00:17
2	B	249.677†	1.4	-3.1	0.0007	mg/L	0.0007	mg/L	01:00:06
2	Fe	234.349†	226315.8	178446.8	153.0	mg/L	153.0	mg/L	01:00:04
2	K	766.490†	14303.9	11109.4	6.173	mg/L	6.173	mg/L	01:00:06
2	Li	670.784†	6333.9	5169.5	0.1603	mg/L	0.1603	mg/L	01:00:06
2	Na	589.592†	9175.7	7084.1	1.260	mg/L	1.260	mg/L	01:00:06
2	Sr	407.771†	106576.1	83900.1	0.0885	mg/L	0.0885	mg/L	01:00:04
2	Y	371.029	3141573.0	3141573.0	1.27	mg/L	1.27	mg/L	01:00:35
2	Ag	328.068†	73.9	-1325.9	-0.0010	mg/L	-0.0010	mg/L	01:00:37
2	Al	237.313†	1036577.9	817428.1	105.5	mg/L	105.5	mg/L	01:00:35
2	As	188.979†	55.0	40.3	0.1159	mg/L	0.1159	mg/L	01:00:47
2	B	182.528†	18.2	11.7	0.0282	mg/L	0.0282	mg/L	01:00:47
2	Ba	233.527†	24676.4	19510.7	0.2680	mg/L	0.2680	mg/L	01:00:37
2	Be	313.107†	10902.7	9112.2	0.0053	mg/L	0.0053	mg/L	01:00:37
2	Ca	315.887†	2987662.9	2355502.2	22.17	mg/L	22.17	mg/L	01:00:35
2	Cd	228.802†	158.2	61.9	0.0019	mg/L	0.0019	mg/L	01:00:47
2	Co	228.616†	3262.3	2637.1	0.0517	mg/L	0.0517	mg/L	01:00:47
2	Cr	267.716†	15296.1	11652.0	0.1251	mg/L	0.1251	mg/L	01:00:37
2	Cu	324.752†	33711.7	25347.1	0.1441	mg/L	0.1441	mg/L	01:00:37
2	Fe	238.204†	19305069.0	15221126.0	128.6	mg/L	128.6	mg/L	01:00:31
2	Mg	279.077†	405402.3	319508.8	28.15	mg/L	28.15	mg/L	01:00:35
2	Mn	257.610†	1794149.7	1413447.8	2.496	mg/L	2.496	mg/L	01:00:35
2	Mo	202.031†	381.3	273.5	-0.0333	mg/L	-0.0333	mg/L	01:00:37
2	Ni	231.604†	3853.8	3057.3	0.1046	mg/L	0.1046	mg/L	01:00:47
2	P	214.914†	7070.9	5232.4	3.499	mg/L	3.499	mg/L	01:00:47
2	Pb	220.353†	4962.1	3854.3	0.2991	mg/L	0.2991	mg/L	01:00:47
2	Sb	206.836†	87.7	32.4	-0.0417	mg/L	-0.0417	mg/L	01:00:47
2	Se	196.026†	-48.3	-38.1	0.0267	mg/L	0.0267	mg/L	01:00:47
2	Sn	189.927†	-144.6	-116.9	0.4180	mg/L	0.4180	mg/L	01:00:47
2	Ti	337.279†	5388539.7	4249109.4	6.011	mg/L	6.011	mg/L	01:00:35
2	Tl	190.801†	6.0	2.8	-0.0984	mg/L	-0.0984	mg/L	01:00:47
2	V	292.402†	38595.7	31114.2	0.1597	mg/L	0.1597	mg/L	01:00:37
2	Zn	213.857†	56431.9	43693.2	0.4678	mg/L	0.4678	mg/L	01:00:37

Mean Data: 1210132-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3120782.0	1.26	mg/L	0.012				0.94%
Ag 328.068†	-1311.4	-0.0007	mg/L	0.00036	-0.0007	mg/L	0.00036	49.73%
Al 237.313†	815903.7	105.3	mg/L	0.28	105.3	mg/L	0.28	0.26%
As 188.979†	38.1	0.1138	mg/L	0.00294	0.1138	mg/L	0.00294	2.58%
B 182.528†	12.2	0.0291	mg/L	0.00128	0.0291	mg/L	0.00128	4.40%
B 249.677†	-8.7	-0.0026	mg/L	0.00464	-0.0026	mg/L	0.00464	178.92%
Ba 233.527†	19619.5	0.2695	mg/L	0.00213	0.2695	mg/L	0.00213	0.79%
Be 313.107†	9138.1	0.0053	mg/L	0.00002	0.0053	mg/L	0.00002	0.41%
Ca 315.887†	2353100.5	22.15	mg/L	0.032	22.15	mg/L	0.032	0.14%
Cd 228.802†	62.3	0.0019	mg/L	0.00003	0.0019	mg/L	0.00003	1.78%
Co 228.616†	2640.6	0.0518	mg/L	0.00015	0.0518	mg/L	0.00015	0.28%
Cr 267.716†	11715.2	0.1258	mg/L	0.00098	0.1258	mg/L	0.00098	0.78%
Cu 324.752†	26467.4	0.1504	mg/L	0.00891	0.1504	mg/L	0.00891	5.92%
Fe 234.349†	180484.6	154.7	mg/L	2.47	154.7	mg/L	2.47	1.60%
Fe 238.204†	15370299.5	129.9	mg/L	1.78	129.9	mg/L	1.78	1.37%
K 766.490†	11217.2	6.231	mg/L	0.0821	6.231	mg/L	0.0821	1.32%

Li 670.784†	5253.6	0.1629 mg/L	0.00367	0.1629 mg/L	0.00367	2.25%
Mg 279.077†	319269.8	28.13 mg/L	0.030	28.13 mg/L	0.030	0.11%
Mn 257.610†	1411499.9	2.493 mg/L	0.0049	2.493 mg/L	0.0049	0.20%
Mo 202.031†	252.2	-0.0350 mg/L	0.00238	-0.0350 mg/L	0.00238	6.80%
Na 589.592†	7123.4	1.266 mg/L	0.0091	1.266 mg/L	0.0091	0.72%
Ni 231.604†	3087.5	0.1057 mg/L	0.00151	0.1057 mg/L	0.00151	1.43%
P 214.914†	5247.5	3.512 mg/L	0.0184	3.512 mg/L	0.0184	0.52%
Pb 220.353†	3933.5	0.3060 mg/L	0.00973	0.3060 mg/L	0.00973	3.18%
Sb 206.836†	29.2	-0.0451 mg/L	0.00492	-0.0451 mg/L	0.00492	10.89%
Se 196.026†	-33.1	0.0323 mg/L	0.00802	0.0323 mg/L	0.00802	24.79%
Sn 189.927†	-113.2	0.4240 mg/L	0.00838	0.4240 mg/L	0.00838	1.98%
Sr 407.771†	84705.6	0.0893 mg/L	0.00120	0.0893 mg/L	0.00120	1.34%
Ti 337.279†	4243205.6	6.002 mg/L	0.0118	6.002 mg/L	0.0118	0.20%
Tl 190.801†	5.8	-0.0973 mg/L	0.00159	-0.0973 mg/L	0.00159	1.63%
V 292.402†	31143.6	0.1596 mg/L	0.00020	0.1596 mg/L	0.00020	0.13%
Zn 213.857†	44063.4	0.4718 mg/L	0.00560	0.4718 mg/L	0.00560	1.19%

Sequence No.: 132
Sample ID: 1210132-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 118
Date Collected: 10/7/2012 1:02:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210132-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-21.3	-20.8	-0.0097 mg/L	-0.0097 mg/L	-0.0097 mg/L	01:04:03
1	Fe 234.349†	363905.6	283932.2	243.4 mg/L	243.4 mg/L	243.4 mg/L	01:04:01
1	K 766.490†	16292.1	12542.7	6.944 mg/L	6.944 mg/L	6.944 mg/L	01:04:03
1	Li 670.784†	12353.9	9814.2	0.3037 mg/L	0.3037 mg/L	0.3037 mg/L	01:04:03
1	Na 589.592†	25433.0	19692.7	3.322 mg/L	3.322 mg/L	3.322 mg/L	01:04:03
1	Sr 407.771†	76844.9	59825.0	0.0632 mg/L	0.0632 mg/L	0.0632 mg/L	01:04:01
1	Y 371.029	3174753.2	3174753.2	1.28 mg/L	1.28 mg/L	1.28 mg/L	01:04:17
1	Ag 328.068†	-757.6	-1975.3	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	01:04:19
1	Al 237.313†	1638634.2	1278622.7	165.1 mg/L	165.1 mg/L	165.1 mg/L	01:04:17
1	As 188.979†	76.5	56.7	0.1741 mg/L	0.1741 mg/L	0.1741 mg/L	01:04:30
1	B 182.528†	28.1	19.3	0.0430 mg/L	0.0430 mg/L	0.0430 mg/L	01:04:30
1	Ba 233.527†	23716.3	18558.4	0.2548 mg/L	0.2548 mg/L	0.2548 mg/L	01:04:19
1	Be 313.107†	12455.8	10234.1	0.0060 mg/L	0.0060 mg/L	0.0060 mg/L	01:04:19
1	Ca 315.887†	1489148.7	1161711.9	10.93 mg/L	10.93 mg/L	10.93 mg/L	01:04:17
1	Cd 228.802†	173.8	72.8	0.0022 mg/L	0.0022 mg/L	0.0022 mg/L	01:04:30
1	Co 228.616†	5558.0	4401.3	0.0877 mg/L	0.0877 mg/L	0.0877 mg/L	01:04:30
1	Cr 267.716†	25049.6	19135.8	0.2075 mg/L	0.2075 mg/L	0.2075 mg/L	01:04:19
1	Cu 324.752†	42901.0	32239.0	0.1863 mg/L	0.1863 mg/L	0.1863 mg/L	01:04:19
1	Fe 238.204†	28536599.5	22264669.5	188.2 mg/L	188.2 mg/L	188.2 mg/L	01:04:14
1	Mg 279.077†	828890.4	646582.0	57.00 mg/L	57.00 mg/L	57.00 mg/L	01:04:17
1	Mn 257.610†	2437777.3	1900834.4	3.358 mg/L	3.358 mg/L	3.358 mg/L	01:04:17
1	Mo 202.031†	169.8	105.4	-0.0705 mg/L	-0.0705 mg/L	-0.0705 mg/L	01:04:19
1	Ni 231.604†	7315.0	5726.1	0.1991 mg/L	0.1991 mg/L	0.1991 mg/L	01:04:19
1	P 214.914†	6288.4	4563.6	3.313 mg/L	3.313 mg/L	3.313 mg/L	01:04:30
1	Pb 220.353†	3128.3	2382.6	0.1556 mg/L	0.1556 mg/L	0.1556 mg/L	01:04:30
1	Sb 206.836†	110.9	49.7	-0.0671 mg/L	-0.0671 mg/L	-0.0671 mg/L	01:04:30
1	Se 196.026†	-84.5	-66.0	0.0382 mg/L	0.0382 mg/L	0.0382 mg/L	01:04:30
1	Sn 189.927†	-57.1	-47.4	0.6981 mg/L	0.6981 mg/L	0.6981 mg/L	01:04:30
1	Ti 337.279†	9256450.8	7222527.3	10.22 mg/L	10.22 mg/L	10.22 mg/L	01:04:14
1	Tl 190.801†	11.2	6.7	-0.1532 mg/L	-0.1532 mg/L	-0.1532 mg/L	01:04:30
1	V 292.402†	55416.2	43919.9	0.2198 mg/L	0.2198 mg/L	0.2198 mg/L	01:04:19
1	Zn 213.857†	66334.8	50954.6	0.5453 mg/L	0.5453 mg/L	0.5453 mg/L	01:04:19
2	B 249.677†	-35.4	-31.7	-0.0161 mg/L	-0.0161 mg/L	-0.0161 mg/L	01:04:08
2	Fe 234.349†	357097.0	278076.4	238.4 mg/L	238.4 mg/L	238.4 mg/L	01:04:06
2	K 766.490†	16087.1	12358.3	6.844 mg/L	6.844 mg/L	6.844 mg/L	01:04:08
2	Li 670.784†	12276.3	9735.0	0.3013 mg/L	0.3013 mg/L	0.3013 mg/L	01:04:08
2	Na 589.592†	25226.8	19493.5	3.290 mg/L	3.290 mg/L	3.290 mg/L	01:04:08
2	Sr 407.771†	75625.1	58758.2	0.0621 mg/L	0.0621 mg/L	0.0621 mg/L	01:04:06
2	Y 371.029	3180959.6	3180959.6	1.28 mg/L	1.28 mg/L	1.28 mg/L	01:04:37
2	Ag 328.068†	-698.8	-1928.3	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	01:04:39
2	Al 237.313†	1635522.1	1273704.8	164.4 mg/L	164.4 mg/L	164.4 mg/L	01:04:37
2	As 188.979†	57.5	41.8	0.1534 mg/L	0.1534 mg/L	0.1534 mg/L	01:04:49
2	B 182.528†	33.9	23.7	0.0517 mg/L	0.0517 mg/L	0.0517 mg/L	01:04:49
2	Ba 233.527†	23206.4	18125.2	0.2488 mg/L	0.2488 mg/L	0.2488 mg/L	01:04:39
2	Be 313.107†	12178.7	9999.4	0.0058 mg/L	0.0058 mg/L	0.0058 mg/L	01:04:39

2	Ca	315.887†	1482917.3	1154592.6	10.86	mg/L	10.86	mg/L	01:04:37
2	Cd	228.802†	161.5	62.9	0.0019	mg/L	0.0019	mg/L	01:04:49
2	Co	228.616†	5535.7	4375.5	0.0873	mg/L	0.0873	mg/L	01:04:49
2	Cr	267.716†	24211.4	18445.0	0.1999	mg/L	0.1999	mg/L	01:04:39
2	Cu	324.752†	41472.5	31061.3	0.1796	mg/L	0.1796	mg/L	01:04:39
2	Fe	238.204†	28318164.0	22051133.3	186.4	mg/L	186.4	mg/L	01:04:34
2	Mg	279.077†	826799.3	643691.8	56.74	mg/L	56.74	mg/L	01:04:37
2	Mn	257.610†	2429475.6	1890658.9	3.340	mg/L	3.340	mg/L	01:04:37
2	Mo	202.031†	133.6	76.9	-0.0704	mg/L	-0.0704	mg/L	01:04:39
2	Ni	231.604†	7117.3	5561.0	0.1933	mg/L	0.1933	mg/L	01:04:39
2	P	214.914†	6271.3	4540.7	3.288	mg/L	3.288	mg/L	01:04:49
2	Pb	220.353†	3093.4	2350.7	0.1530	mg/L	0.1530	mg/L	01:04:49
2	Sb	206.836†	108.2	47.5	-0.0668	mg/L	-0.0668	mg/L	01:04:49
2	Se	196.026†	-66.2	-51.6	0.0500	mg/L	0.0500	mg/L	01:04:49
2	Sn	189.927†	-95.3	-77.1	0.6767	mg/L	0.6767	mg/L	01:04:49
2	Ti	337.279†	9183326.9	7151494.9	10.12	mg/L	10.12	mg/L	01:04:34
2	Tl	190.801†	7.3	3.7	-0.1523	mg/L	-0.1523	mg/L	01:04:49
2	V	292.402†	54017.9	42746.7	0.2134	mg/L	0.2134	mg/L	01:04:39
2	Zn	213.857†	64445.0	49382.0	0.5284	mg/L	0.5284	mg/L	01:04:39

Mean Data: 1210132-02

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3177856.4	1.28	mg/L	0.002				0.14%
Ag 328.068†	-1951.8	0.0005	mg/L	0.00001	0.0005	mg/L	0.00001	1.75%
Al 237.313†	1276163.8	164.7	mg/L	0.45	164.7	mg/L	0.45	0.27%
As 188.979†	49.2	0.1638	mg/L	0.01464	0.1638	mg/L	0.01464	8.94%
B 182.528†	21.5	0.0474	mg/L	0.00611	0.0474	mg/L	0.00611	12.90%
B 249.677†	-26.2	-0.0129	mg/L	0.00450	-0.0129	mg/L	0.00450	34.81%
Ba 233.527†	18341.8	0.2518	mg/L	0.00424	0.2518	mg/L	0.00424	1.68%
Be 313.107†	10116.8	0.0059	mg/L	0.00010	0.0059	mg/L	0.00010	1.69%
Ca 315.887†	1158152.2	10.90	mg/L	0.047	10.90	mg/L	0.047	0.44%
Cd 228.802†	67.8	0.0021	mg/L	0.00019	0.0021	mg/L	0.00019	9.08%
Co 228.616†	4388.4	0.0875	mg/L	0.00032	0.0875	mg/L	0.00032	0.36%
Cr 267.716†	18790.4	0.2037	mg/L	0.00538	0.2037	mg/L	0.00538	2.64%
Cu 324.752†	31650.1	0.1829	mg/L	0.00475	0.1829	mg/L	0.00475	2.59%
Fe 234.349†	281004.3	240.9	mg/L	3.55	240.9	mg/L	3.55	1.47%
Fe 238.204†	22157901.4	187.3	mg/L	1.28	187.3	mg/L	1.28	0.68%
K 766.490†	12450.5	6.894	mg/L	0.0701	6.894	mg/L	0.0701	1.02%
Li 670.784†	9774.6	0.3025	mg/L	0.00173	0.3025	mg/L	0.00173	0.57%
Mg 279.077†	645136.9	56.87	mg/L	0.180	56.87	mg/L	0.180	0.32%
Mn 257.610†	1895746.7	3.349	mg/L	0.0127	3.349	mg/L	0.0127	0.38%
Mo 202.031†	91.2	-0.0704	mg/L	0.00004	-0.0704	mg/L	0.00004	0.05%
Na 589.592†	19593.1	3.306	mg/L	0.0230	3.306	mg/L	0.0230	0.70%
Ni 231.604†	5643.6	0.1962	mg/L	0.00414	0.1962	mg/L	0.00414	2.11%
P 214.914†	4552.2	3.301	mg/L	0.0179	3.301	mg/L	0.0179	0.54%
Pb 220.353†	2366.6	0.1543	mg/L	0.00181	0.1543	mg/L	0.00181	1.17%
Sb 206.836†	48.6	-0.0669	mg/L	0.00022	-0.0669	mg/L	0.00022	0.33%
Se 196.026†	-58.8	0.0441	mg/L	0.00836	0.0441	mg/L	0.00836	18.95%
Sn 189.927†	-62.2	0.6874	mg/L	0.01512	0.6874	mg/L	0.01512	2.20%
Sr 407.771†	59291.6	0.0627	mg/L	0.00079	0.0627	mg/L	0.00079	1.26%
Ti 337.279†	7187011.1	10.17	mg/L	0.071	10.17	mg/L	0.071	0.70%
Tl 190.801†	5.2	-0.1527	mg/L	0.00064	-0.1527	mg/L	0.00064	0.42%
V 292.402†	43333.3	0.2166	mg/L	0.00451	0.2166	mg/L	0.00451	2.08%
Zn 213.857†	50168.3	0.5369	mg/L	0.01192	0.5369	mg/L	0.01192	2.22%

Sequence No.: 133

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/7/2012 1:06:25 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	996.1	819.1	0.4785	mg/L	0.4785	mg/L	01:08:10
1	Fe 234.349†	3913.1	3239.8	2.784	mg/L	2.784	mg/L	01:08:10
1	K 766.490†	53519.3	44063.8	23.90	mg/L	23.90	mg/L	01:08:08
1	Li 670.784†	18551.0	15507.4	0.4796	mg/L	0.4796	mg/L	01:08:10
1	Na 589.592†	175137.4	144596.6	23.75	mg/L	23.75	mg/L	01:08:08

1	Sr 407.771†	57399.8	47308.7	0.0501 mg/L	0.0501 mg/L	01:08:08
1	Y 371.029	2997062.8	2997062.8	1.21 mg/L		01:08:19
1	Ag 328.068†	38566.6	30490.2	0.2582 mg/L	0.2582 mg/L	01:08:21
1	Al 237.313†	24944.3	20743.4	2.675 mg/L	2.675 mg/L	01:08:21
1	As 188.979†	525.5	431.3	0.5401 mg/L	0.5401 mg/L	01:08:31
1	B 182.528†	342.7	280.6	0.5529 mg/L	0.5529 mg/L	01:08:31
1	Ba 233.527†	46094.7	38150.7	0.5258 mg/L	0.5258 mg/L	01:08:21
1	Be 313.107†	97759.6	81312.0	0.0485 mg/L	0.0485 mg/L	01:08:21
1	Ca 315.887†	625400.2	516727.7	4.854 mg/L	4.854 mg/L	01:08:19
1	Cd 228.802†	8408.3	6886.5	0.2416 mg/L	0.2416 mg/L	01:08:31
1	Co 228.616†	24489.8	20305.2	0.5064 mg/L	0.5064 mg/L	01:08:21
1	Cr 267.716†	56120.8	45974.2	0.5037 mg/L	0.5037 mg/L	01:08:21
1	Cu 324.752†	112074.0	91393.4	0.5117 mg/L	0.5117 mg/L	01:08:21
1	Fe 238.204†	389122.4	321444.3	2.706 mg/L	2.706 mg/L	01:08:21
1	Mg 279.077†	70913.9	58473.8	5.121 mg/L	5.121 mg/L	01:08:21
1	Mn 257.610†	358870.2	295430.0	0.5196 mg/L	0.5196 mg/L	01:08:21
1	Mo 202.031†	11328.0	9335.2	0.4962 mg/L	0.4962 mg/L	01:08:31
1	Ni 231.604†	18652.3	15434.5	0.5440 mg/L	0.5440 mg/L	01:08:21
1	P 214.914†	10357.1	8217.2	4.910 mg/L	4.910 mg/L	01:08:31
1	Pb 220.353†	7122.7	5828.6	0.4973 mg/L	0.4973 mg/L	01:08:31
1	Sb 206.836†	810.0	632.6	0.5309 mg/L	0.5309 mg/L	01:08:31
1	Se 196.026†	1332.5	1101.2	1.068 mg/L	1.068 mg/L	01:08:31
1	Sn 189.927†	2866.8	2366.5	0.5405 mg/L	0.5405 mg/L	01:08:31
1	Ti 337.279†	423570.4	350530.7	0.4940 mg/L	0.4940 mg/L	01:08:19
1	Tl 190.801†	856.2	705.6	0.4831 mg/L	0.4831 mg/L	01:08:31
1	V 292.402†	96900.0	80768.8	0.5095 mg/L	0.5095 mg/L	01:08:21
1	Zn 213.857†	61529.0	50051.2	0.5331 mg/L	0.5331 mg/L	01:08:21
2	B 249.677†	999.4	822.1	0.4803 mg/L	0.4803 mg/L	01:08:15
2	Fe 234.349†	3908.9	3237.7	2.782 mg/L	2.782 mg/L	01:08:15
2	K 766.490†	52882.9	43555.1	23.62 mg/L	23.62 mg/L	01:08:13
2	Li 670.784†	18598.4	15552.7	0.4810 mg/L	0.4810 mg/L	01:08:15
2	Na 589.592†	173881.8	143615.7	23.59 mg/L	23.59 mg/L	01:08:13
2	Sr 407.771†	56805.1	46835.7	0.0496 mg/L	0.0496 mg/L	01:08:13
2	Y 371.029	2995877.6	2995877.6	1.21 mg/L		01:08:34
2	Ag 328.068†	38573.4	30508.5	0.2583 mg/L	0.2583 mg/L	01:08:36
2	Al 237.313†	24952.7	20758.5	2.677 mg/L	2.677 mg/L	01:08:36
2	As 188.979†	516.7	424.2	0.5313 mg/L	0.5313 mg/L	01:08:46
2	B 182.528†	333.3	272.9	0.5380 mg/L	0.5380 mg/L	01:08:46
2	Ba 233.527†	46088.3	38160.5	0.5259 mg/L	0.5259 mg/L	01:08:36
2	Be 313.107†	97959.0	81508.8	0.0486 mg/L	0.0486 mg/L	01:08:36
2	Ca 315.887†	623516.6	515374.7	4.841 mg/L	4.841 mg/L	01:08:34
2	Cd 228.802†	8429.3	6906.6	0.2423 mg/L	0.2423 mg/L	01:08:46
2	Co 228.616†	24521.1	20339.0	0.5072 mg/L	0.5072 mg/L	01:08:36
2	Cr 267.716†	55935.7	45839.6	0.5022 mg/L	0.5022 mg/L	01:08:36
2	Cu 324.752†	111920.3	91303.0	0.5112 mg/L	0.5112 mg/L	01:08:36
2	Fe 238.204†	385968.6	318964.0	2.685 mg/L	2.685 mg/L	01:08:36
2	Mg 279.077†	70709.7	58328.2	5.108 mg/L	5.108 mg/L	01:08:36
2	Mn 257.610†	358241.8	295027.8	0.5189 mg/L	0.5189 mg/L	01:08:36
2	Mo 202.031†	11329.4	9340.1	0.4965 mg/L	0.4965 mg/L	01:08:46
2	Ni 231.604†	18695.0	15475.9	0.5454 mg/L	0.5454 mg/L	01:08:36
2	P 214.914†	10395.9	8252.7	4.931 mg/L	4.931 mg/L	01:08:46
2	Pb 220.353†	7137.2	5842.9	0.4986 mg/L	0.4986 mg/L	01:08:46
2	Sb 206.836†	810.3	633.1	0.5313 mg/L	0.5313 mg/L	01:08:46
2	Se 196.026†	1331.2	1100.5	1.067 mg/L	1.067 mg/L	01:08:46
2	Sn 189.927†	2877.0	2375.8	0.5426 mg/L	0.5426 mg/L	01:08:46
2	Ti 337.279†	421875.4	349267.8	0.4922 mg/L	0.4922 mg/L	01:08:34
2	Tl 190.801†	850.3	701.0	0.4799 mg/L	0.4799 mg/L	01:08:46
2	V 292.402†	96884.7	80787.8	0.5096 mg/L	0.5096 mg/L	01:08:36
2	Zn 213.857†	61528.3	50070.7	0.5333 mg/L	0.5333 mg/L	01:08:36

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2996470.2	1.21 mg/L	0.000			0.03%
Ag 328.068†	30499.4	0.2583 mg/L	0.00011	0.2583 mg/L	0.00011	0.04%
QC value within limits for Ag 328.068 Recovery = 103.30%						
Al 237.313†	20751.0	2.676 mg/L	0.0014	2.676 mg/L	0.0014	0.05%
QC value within limits for Al 237.313 Recovery = 107.06%						
As 188.979†	427.8	0.5357 mg/L	0.00627	0.5357 mg/L	0.00627	1.17%
QC value within limits for As 188.979 Recovery = 107.14%						
B 182.528†	276.8	0.5454 mg/L	0.01051	0.5454 mg/L	0.01051	1.93%
QC value within limits for B 182.528 Recovery = 109.09%						

B	249.677†	820.6	0.4794 mg/L	0.00124	0.4794 mg/L	0.00124	0.26%
	QC value within limits for B 249.677			Recovery = 95.88%			
Ba	233.527†	38155.6	0.5258 mg/L	0.00010	0.5258 mg/L	0.00010	0.02%
	QC value within limits for Ba 233.527			Recovery = 105.17%			
Be	313.107†	81410.4	0.0485 mg/L	0.00008	0.0485 mg/L	0.00008	0.17%
	QC value within limits for Be 313.107			Recovery = 97.03%			
Ca	315.887†	516051.2	4.848 mg/L	0.0090	4.848 mg/L	0.0090	0.19%
	QC value within limits for Ca 315.887			Recovery = 96.96%			
Cd	228.802†	6896.5	0.2419 mg/L	0.00053	0.2419 mg/L	0.00053	0.22%
	QC value within limits for Cd 228.802			Recovery = 96.77%			
Co	228.616†	20322.1	0.5068 mg/L	0.00060	0.5068 mg/L	0.00060	0.12%
	QC value within limits for Co 228.616			Recovery = 101.36%			
Cr	267.716†	45906.9	0.5030 mg/L	0.00105	0.5030 mg/L	0.00105	0.21%
	QC value within limits for Cr 267.716			Recovery = 100.59%			
Cu	324.752†	91348.2	0.5114 mg/L	0.00036	0.5114 mg/L	0.00036	0.07%
	QC value within limits for Cu 324.752			Recovery = 102.29%			
Fe	234.349†	3238.8	2.783 mg/L	0.0013	2.783 mg/L	0.0013	0.05%
	QC value greater than the upper limit for Fe 234.349			Recovery = 111.31%			
Fe	238.204†	320204.1	2.695 mg/L	0.0148	2.695 mg/L	0.0148	0.55%
	QC value within limits for Fe 238.204			Recovery = 107.81%			
K	766.490†	43809.4	23.76 mg/L	0.193	23.76 mg/L	0.193	0.81%
	QC value within limits for K 766.490			Recovery = 95.04%			
Li	670.784†	15530.1	0.4803 mg/L	0.00099	0.4803 mg/L	0.00099	0.21%
	QC value within limits for Li 670.784			Recovery = 96.06%			
Mg	279.077†	58401.0	5.115 mg/L	0.0091	5.115 mg/L	0.0091	0.18%
	QC value within limits for Mg 279.077			Recovery = 102.29%			
Mn	257.610†	295228.9	0.5192 mg/L	0.00050	0.5192 mg/L	0.00050	0.10%
	QC value within limits for Mn 257.610			Recovery = 103.85%			
Mo	202.031†	9337.7	0.4964 mg/L	0.00018	0.4964 mg/L	0.00018	0.04%
	QC value within limits for Mo 202.031			Recovery = 99.27%			
Na	589.592†	144106.1	23.67 mg/L	0.113	23.67 mg/L	0.113	0.48%
	QC value within limits for Na 589.592			Recovery = 94.69%			
Ni	231.604†	15455.2	0.5447 mg/L	0.00104	0.5447 mg/L	0.00104	0.19%
	QC value within limits for Ni 231.604			Recovery = 108.94%			
P	214.914†	8234.9	4.921 mg/L	0.0149	4.921 mg/L	0.0149	0.30%
	QC value within limits for P 214.914			Recovery = 98.42%			
Pb	220.353†	5835.8	0.4980 mg/L	0.00087	0.4980 mg/L	0.00087	0.18%
	QC value within limits for Pb 220.353			Recovery = 99.59%			
Sb	206.836†	632.9	0.5311 mg/L	0.00029	0.5311 mg/L	0.00029	0.05%
	QC value within limits for Sb 206.836			Recovery = 106.22%			
Se	196.026†	1100.9	1.067 mg/L	0.0004	1.067 mg/L	0.0004	0.04%
	QC value within limits for Se 196.026			Recovery = 106.72%			
Sn	189.927†	2371.1	0.5416 mg/L	0.00149	0.5416 mg/L	0.00149	0.28%
	QC value within limits for Sn 189.927			Recovery = 108.31%			
Sr	407.771†	47072.2	0.0498 mg/L	0.00035	0.0498 mg/L	0.00035	0.70%
	QC value within limits for Sr 407.771			Recovery = 99.67%			
Ti	337.279†	349899.2	0.4931 mg/L	0.00126	0.4931 mg/L	0.00126	0.26%
	QC value within limits for Ti 337.279			Recovery = 98.61%			
Tl	190.801†	703.3	0.4815 mg/L	0.00227	0.4815 mg/L	0.00227	0.47%
	QC value within limits for Tl 190.801			Recovery = 96.30%			
V	292.402†	80778.3	0.5096 mg/L	0.00008	0.5096 mg/L	0.00008	0.02%
	QC value within limits for V 292.402			Recovery = 101.92%			
Zn	213.857†	50061.0	0.5332 mg/L	0.00014	0.5332 mg/L	0.00014	0.03%
	QC value within limits for Zn 213.857			Recovery = 106.64%			
QC Failed. Continue with analysis.							

Sequence No.: 134
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/7/2012 1:10:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.4	-1.4	0.0018 mg/L	0.0018 mg/L	01:12:22
1	Fe 234.349†	55.0	49.7	0.0611 mg/L	0.0611 mg/L	01:12:22
1	K 766.490†	249.3	30.5	0.2136 mg/L	0.2136 mg/L	01:12:12
1	Li 670.784†	-142.7	61.4	0.0025 mg/L	0.0025 mg/L	01:12:12
1	Na 589.592†	258.0	55.6	0.1104 mg/L	0.1104 mg/L	01:12:12
1	Sr 407.771†	291.1	101.7	0.0006 mg/L	0.0006 mg/L	01:12:12

1	Y 371.029	3099167.5	3099167.5	1.25	mg/L			01:12:46
1	Ag 328.068†	1481.4	-200.2	-0.0032	mg/L	-0.0032	mg/L	01:12:48
1	Al 237.313†	115.6	219.9	0.0206	mg/L	0.0206	mg/L	01:12:58
1	As 188.979†	8.6	3.9	0.0065	mg/L	0.0065	mg/L	01:12:58
1	B 182.528†	3.5	0.1	0.0056	mg/L	0.0056	mg/L	01:12:58
1	Ba 233.527†	38.2	84.9	-0.0007	mg/L	-0.0007	mg/L	01:12:58
1	Be 313.107†	-295.2	279.9	0.0000	mg/L	0.0000	mg/L	01:12:48
1	Ca 315.887†	1663.0	1177.4	-0.0051	mg/L	-0.0051	mg/L	01:12:48
1	Cd 228.802†	89.9	9.0	0.0003	mg/L	0.0003	mg/L	01:12:58
1	Co 228.616†	-29.3	41.5	-0.0017	mg/L	-0.0017	mg/L	01:12:58
1	Cr 267.716†	523.6	10.1	-0.0031	mg/L	-0.0031	mg/L	01:12:48
1	Cu 324.752†	2634.9	872.7	0.0016	mg/L	0.0016	mg/L	01:12:48
1	Fe 238.204†	6011.4	4647.9	0.0276	mg/L	0.0276	mg/L	01:12:48
1	Mg 279.077†	354.5	148.4	-0.0247	mg/L	-0.0247	mg/L	01:12:48
1	Mn 257.610†	1310.6	-120.7	-0.0031	mg/L	-0.0031	mg/L	01:12:58
1	Mo 202.031†	47.0	10.5	0.0003	mg/L	0.0003	mg/L	01:12:58
1	Ni 231.604†	23.5	37.6	-0.0024	mg/L	-0.0024	mg/L	01:12:58
1	P 214.914†	380.1	-38.9	0.0047	mg/L	0.0047	mg/L	01:12:58
1	Pb 220.353†	230.1	125.8	0.0069	mg/L	0.0069	mg/L	01:12:58
1	Sb 206.836†	38.7	-5.9	-0.0062	mg/L	-0.0062	mg/L	01:12:58
1	Se 196.026†	9.6	7.6	0.0059	mg/L	0.0059	mg/L	01:12:58
1	Sn 189.927†	9.1	4.4	-0.0015	mg/L	-0.0015	mg/L	01:12:58
1	Ti 337.279†	1748.0	1856.2	0.0006	mg/L	0.0006	mg/L	01:12:48
1	Tl 190.801†	4.4	1.5	-0.0034	mg/L	-0.0034	mg/L	01:12:58
1	V 292.402†	-638.0	173.1	-0.0011	mg/L	-0.0011	mg/L	01:12:48
1	Zn 213.857†	2316.1	1050.0	0.0102	mg/L	0.0102	mg/L	01:12:58
2	B 249.677†	2.2	-2.4	0.0012	mg/L	0.0012	mg/L	01:12:42
2	Fe 234.349†	53.9	48.5	0.0600	mg/L	0.0600	mg/L	01:12:42
2	K 766.490†	291.3	62.1	0.2306	mg/L	0.2306	mg/L	01:12:32
2	Li 670.784†	-130.6	72.0	0.0028	mg/L	0.0028	mg/L	01:12:32
2	Na 589.592†	162.0	-22.3	0.0976	mg/L	0.0976	mg/L	01:12:32
2	Sr 407.771†	284.4	94.3	0.0006	mg/L	0.0006	mg/L	01:12:32
2	Y 371.029	3127069.1	3127069.1	1.26	mg/L			01:13:00
2	Ag 328.068†	1479.1	-212.6	-0.0033	mg/L	-0.0033	mg/L	01:13:03
2	Al 237.313†	61.8	176.5	0.0150	mg/L	0.0150	mg/L	01:13:13
2	As 188.979†	2.6	-1.0	0.0004	mg/L	0.0004	mg/L	01:13:13
2	B 182.528†	2.7	-0.5	0.0043	mg/L	0.0043	mg/L	01:13:13
2	Ba 233.527†	43.6	88.9	-0.0007	mg/L	-0.0007	mg/L	01:13:13
2	Be 313.107†	-435.2	171.1	-0.0001	mg/L	-0.0001	mg/L	01:13:03
2	Ca 315.887†	1496.5	1033.6	-0.0065	mg/L	-0.0065	mg/L	01:13:03
2	Cd 228.802†	85.3	4.7	0.0001	mg/L	0.0001	mg/L	01:13:13
2	Co 228.616†	-17.9	50.7	-0.0015	mg/L	-0.0015	mg/L	01:13:13
2	Cr 267.716†	473.5	-33.3	-0.0036	mg/L	-0.0036	mg/L	01:13:03
2	Cu 324.752†	2655.6	870.3	0.0016	mg/L	0.0016	mg/L	01:13:03
2	Fe 238.204†	5733.7	4385.0	0.0254	mg/L	0.0254	mg/L	01:13:03
2	Mg 279.077†	362.6	152.3	-0.0244	mg/L	-0.0244	mg/L	01:13:03
2	Mn 257.610†	1223.3	-199.2	-0.0032	mg/L	-0.0032	mg/L	01:13:13
2	Mo 202.031†	70.4	28.6	0.0013	mg/L	0.0013	mg/L	01:13:13
2	Ni 231.604†	26.7	40.0	-0.0024	mg/L	-0.0024	mg/L	01:13:13
2	P 214.914†	374.1	-46.4	0.0003	mg/L	0.0003	mg/L	01:13:13
2	Pb 220.353†	188.6	91.3	0.0040	mg/L	0.0040	mg/L	01:13:13
2	Sb 206.836†	37.9	-6.8	-0.0069	mg/L	-0.0069	mg/L	01:13:13
2	Se 196.026†	1.5	1.1	-0.0004	mg/L	-0.0004	mg/L	01:13:13
2	Sn 189.927†	11.2	6.0	-0.0012	mg/L	-0.0012	mg/L	01:13:13
2	Ti 337.279†	1650.8	1766.8	0.0004	mg/L	0.0004	mg/L	01:13:03
2	Tl 190.801†	6.1	2.8	-0.0025	mg/L	-0.0025	mg/L	01:13:13
2	V 292.402†	-617.1	194.3	-0.0009	mg/L	-0.0009	mg/L	01:13:03
2	Zn 213.857†	2327.1	1042.2	0.0101	mg/L	0.0101	mg/L	01:13:13

Mean Data: CCBL

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3113118.3	1.26 mg/L	0.008			0.63%
Ag 328.068†	-206.4	-0.0033 mg/L	0.00007	-0.0033 mg/L	0.00007	2.27%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated						
Al 237.313†	198.2	0.0178 mg/L	0.00397	0.0178 mg/L	0.00397	22.30%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	1.5	0.0035 mg/L	0.00426	0.0035 mg/L	0.00426	123.41%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-0.2	0.0050 mg/L	0.00089	0.0050 mg/L	0.00089	18.00%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-1.9	0.0015 mg/L	0.00039	0.0015 mg/L	0.00039	25.43%

QC value within limits for B 249.677	Recovery = Not calculated					
Ba 233.527†	86.9	-0.0007 mg/L	0.00004	-0.0007 mg/L	0.00004	5.56%
QC value within limits for Ba 233.527	Recovery = Not calculated					
Be 313.107†	225.5	0.0000 mg/L	0.00005	0.0000 mg/L	0.00005	162.72%
QC value within limits for Be 313.107	Recovery = Not calculated					
Ca 315.887†	1105.5	-0.0058 mg/L	0.00096	-0.0058 mg/L	0.00096	16.47%
QC value within limits for Ca 315.887	Recovery = Not calculated					
Cd 228.802†	6.9	0.0002 mg/L	0.00009	0.0002 mg/L	0.00009	44.76%
QC value within limits for Cd 228.802	Recovery = Not calculated					
Co 228.616†	46.1	-0.0016 mg/L	0.00016	-0.0016 mg/L	0.00016	10.41%
QC value within limits for Co 228.616	Recovery = Not calculated					
Cr 267.716†	-11.6	-0.0033 mg/L	0.00034	-0.0033 mg/L	0.00034	10.11%
QC value within limits for Cr 267.716	Recovery = Not calculated					
Cu 324.752†	871.5	0.0016 mg/L	0.00001	0.0016 mg/L	0.00001	0.61%
QC value within limits for Cu 324.752	Recovery = Not calculated					
Fe 234.349†	49.1	0.0606 mg/L	0.00075	0.0606 mg/L	0.00075	1.24%
QC value greater than the upper limit for Fe 234.349	Recovery = Not calculated					
Fe 238.204†	4516.4	0.0265 mg/L	0.00157	0.0265 mg/L	0.00157	5.94%
QC value greater than the upper limit for Fe 238.204	Recovery = Not calculated					
K 766.490†	46.3	0.2221 mg/L	0.01200	0.2221 mg/L	0.01200	5.40%
QC value greater than the upper limit for K 766.490	Recovery = Not calculated					
Li 670.784†	66.7	0.0026 mg/L	0.00023	0.0026 mg/L	0.00023	8.79%
QC value within limits for Li 670.784	Recovery = Not calculated					
Mg 279.077†	150.4	-0.0245 mg/L	0.00024	-0.0245 mg/L	0.00024	0.98%
QC value less than the lower limit for Mg 279.077	Recovery = Not calculated					
Mn 257.610†	-160.0	-0.0032 mg/L	0.00010	-0.0032 mg/L	0.00010	3.10%
QC value within limits for Mn 257.610	Recovery = Not calculated					
Mo 202.031†	19.5	0.0008 mg/L	0.00068	0.0008 mg/L	0.00068	87.21%
QC value within limits for Mo 202.031	Recovery = Not calculated					
Na 589.592†	16.7	0.1040 mg/L	0.00901	0.1040 mg/L	0.00901	8.66%
QC value within limits for Na 589.592	Recovery = Not calculated					
Ni 231.604†	38.8	-0.0024 mg/L	0.00006	-0.0024 mg/L	0.00006	2.54%
QC value less than the lower limit for Ni 231.604	Recovery = Not calculated					
P 214.914†	-42.7	0.0025 mg/L	0.00313	0.0025 mg/L	0.00313	125.64%
QC value within limits for P 214.914	Recovery = Not calculated					
Pb 220.353†	108.5	0.0055 mg/L	0.00210	0.0055 mg/L	0.00210	38.56%
QC value within limits for Pb 220.353	Recovery = Not calculated					
Sb 206.836†	-6.3	-0.0065 mg/L	0.00055	-0.0065 mg/L	0.00055	8.35%
QC value within limits for Sb 206.836	Recovery = Not calculated					
Se 196.026†	4.4	0.0028 mg/L	0.00445	0.0028 mg/L	0.00445	160.51%
QC value within limits for Se 196.026	Recovery = Not calculated					
Sn 189.927†	5.2	-0.0013 mg/L	0.00025	-0.0013 mg/L	0.00025	18.80%
QC value within limits for Sn 189.927	Recovery = Not calculated					
Sr 407.771†	98.0	0.0006 mg/L	0.00001	0.0006 mg/L	0.00001	0.98%
QC value within limits for Sr 407.771	Recovery = Not calculated					
Ti 337.279†	1811.5	0.0005 mg/L	0.00009	0.0005 mg/L	0.00009	17.63%
QC value within limits for Ti 337.279	Recovery = Not calculated					
Tl 190.801†	2.2	-0.0030 mg/L	0.00064	-0.0030 mg/L	0.00064	21.66%
QC value within limits for Tl 190.801	Recovery = Not calculated					
V 292.402†	183.7	-0.0010 mg/L	0.00010	-0.0010 mg/L	0.00010	9.51%
QC value within limits for V 292.402	Recovery = Not calculated					
Zn 213.857†	1046.1	0.0102 mg/L	0.00006	0.0102 mg/L	0.00006	0.59%
QC value within limits for Zn 213.857	Recovery = Not calculated					
QC Failed. Continue with analysis.						

Sequence No.: 135
Sample ID: 1210132-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 119
Date Collected: 10/7/2012 1:14:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210132-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-11.7	-13.4	-0.0055 mg/L	-0.0055 mg/L	01:16:32
1	Fe 234.349†	386550.7	307104.1	263.2 mg/L	263.2 mg/L	01:16:30
1	K 766.490†	39418.6	31147.7	16.95 mg/L	16.95 mg/L	01:16:32
1	Li 670.784†	7875.5	6432.2	0.1993 mg/L	0.1993 mg/L	01:16:32
1	Na 589.592†	11698.8	9143.6	1.597 mg/L	1.597 mg/L	01:16:32
1	Sr 407.771†	131948.4	104696.5	0.1103 mg/L	0.1103 mg/L	01:16:30
1	Y 371.029	3117856.3	3117856.3	1.26 mg/L		01:16:46

1	Ag	328.068†	-680.1	-1924.5	0.0024	mg/L	0.0024	mg/L	01:16:48
1	Al	237.313†	970375.4	771050.1	99.54	mg/L	99.54	mg/L	01:16:46
1	As	188.979†	74.3	56.0	0.1816	mg/L	0.1816	mg/L	01:16:58
1	B	182.528†	23.2	15.8	0.0361	mg/L	0.0361	mg/L	01:16:58
1	Ba	233.527†	60537.7	48149.1	0.6642	mg/L	0.6642	mg/L	01:16:48
1	Be	313.107†	16629.9	13727.6	0.0081	mg/L	0.0081	mg/L	01:16:48
1	Ca	315.887†	2847360.6	2261956.8	21.29	mg/L	21.29	mg/L	01:16:46
1	Cd	228.802†	189.4	87.6	0.0027	mg/L	0.0027	mg/L	01:16:58
1	Co	228.616†	6224.2	5009.7	0.1091	mg/L	0.1091	mg/L	01:16:58
1	Cr	267.716†	22281.2	17293.1	0.1873	mg/L	0.1873	mg/L	01:16:48
1	Cu	324.752†	77323.8	60197.3	0.3412	mg/L	0.3412	mg/L	01:16:48
1	Fe	238.204†	28732319.0	22826465.3	192.9	mg/L	192.9	mg/L	01:16:43
1	Mg	279.077†	551968.5	438380.9	38.64	mg/L	38.64	mg/L	01:16:46
1	Mn	257.610†	2147287.7	1704761.8	3.011	mg/L	3.011	mg/L	01:16:46
1	Mo	202.031†	417.5	304.6	-0.0661	mg/L	-0.0661	mg/L	01:16:48
1	Ni	231.604†	8685.7	6919.2	0.2414	mg/L	0.2414	mg/L	01:16:48
1	P	214.914†	15613.3	12061.4	7.818	mg/L	7.818	mg/L	01:16:48
1	Pb	220.353†	7675.4	6039.6	0.4885	mg/L	0.4885	mg/L	01:16:58
1	Sb	206.836†	108.7	49.6	-0.0760	mg/L	-0.0760	mg/L	01:16:58
1	Se	196.026†	-74.8	-59.5	0.0529	mg/L	0.0529	mg/L	01:16:58
1	Sn	189.927†	-94.7	-78.1	0.7492	mg/L	0.7492	mg/L	01:16:58
1	Ti	337.279†	6322018.0	5023037.2	7.106	mg/L	7.106	mg/L	01:16:46
1	Tl	190.801†	2.8	0.2	-0.1647	mg/L	-0.1647	mg/L	01:16:58
1	V	292.402†	56195.4	45328.0	0.2274	mg/L	0.2274	mg/L	01:16:48
1	Zn	213.857†	121630.9	95829.5	1.027	mg/L	1.027	mg/L	01:16:48
2	B	249.677†	-9.0	-11.3	-0.0043	mg/L	-0.0043	mg/L	01:16:37
2	Fe	234.349†	375608.6	297277.4	254.8	mg/L	254.8	mg/L	01:16:35
2	K	766.490†	38375.6	30203.2	16.44	mg/L	16.44	mg/L	01:16:37
2	Li	670.784†	7624.5	6209.8	0.1924	mg/L	0.1924	mg/L	01:16:37
2	Na	589.592†	11231.4	8738.4	1.531	mg/L	1.531	mg/L	01:16:37
2	Sr	407.771†	128514.9	101580.9	0.1070	mg/L	0.1070	mg/L	01:16:35
2	Y	371.029	3129745.4	3129745.4	1.26	mg/L	1.26	mg/L	01:17:06
2	Ag	328.068†	-665.4	-1910.9	0.0019	mg/L	0.0019	mg/L	01:17:08
2	Al	237.313†	974084.8	771057.3	99.54	mg/L	99.54	mg/L	01:17:06
2	As	188.979†	79.2	59.7	0.1826	mg/L	0.1826	mg/L	01:17:18
2	B	182.528†	19.0	12.4	0.0295	mg/L	0.0295	mg/L	01:17:18
2	Ba	233.527†	60709.6	48102.4	0.6636	mg/L	0.6636	mg/L	01:17:08
2	Be	313.107†	16653.0	13695.7	0.0080	mg/L	0.0080	mg/L	01:17:08
2	Ca	315.887†	2854032.3	2258643.9	21.26	mg/L	21.26	mg/L	01:17:06
2	Cd	228.802†	204.3	98.9	0.0031	mg/L	0.0031	mg/L	01:17:18
2	Co	228.616†	6283.3	5037.7	0.1098	mg/L	0.1098	mg/L	01:17:18
2	Cr	267.716†	22263.7	17212.0	0.1864	mg/L	0.1864	mg/L	01:17:08
2	Cu	324.752†	77527.6	60125.2	0.3408	mg/L	0.3408	mg/L	01:17:08
2	Fe	238.204†	28569746.1	22611086.0	191.1	mg/L	191.1	mg/L	01:17:02
2	Mg	279.077†	553755.5	438129.4	38.61	mg/L	38.61	mg/L	01:17:06
2	Mn	257.610†	2154241.1	1703784.6	3.010	mg/L	3.010	mg/L	01:17:06
2	Mo	202.031†	455.8	333.6	-0.0620	mg/L	-0.0620	mg/L	01:17:08
2	Ni	231.604†	8751.3	6944.9	0.2424	mg/L	0.2424	mg/L	01:17:08
2	P	214.914†	15681.0	12067.9	7.802	mg/L	7.802	mg/L	01:17:08
2	Pb	220.353†	7647.0	5994.0	0.4846	mg/L	0.4846	mg/L	01:17:18
2	Sb	206.836†	93.6	37.3	-0.0826	mg/L	-0.0826	mg/L	01:17:18
2	Se	196.026†	-73.7	-58.4	0.0504	mg/L	0.0504	mg/L	01:17:18
2	Sn	189.927†	-58.8	-49.4	0.7310	mg/L	0.7310	mg/L	01:17:18
2	Ti	337.279†	6345792.0	5022773.4	7.105	mg/L	7.105	mg/L	01:17:06
2	Tl	190.801†	2.1	-0.3	-0.1603	mg/L	-0.1603	mg/L	01:17:18
2	V	292.402†	56385.6	45308.9	0.2289	mg/L	0.2289	mg/L	01:17:08
2	Zn	213.857†	121930.6	95699.6	1.026	mg/L	1.026	mg/L	01:17:08

Mean Data: 1210132-03

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3123800.8	1.26	mg/L	0.003				0.27%
Ag 328.068†	-1917.7	0.0022	mg/L	0.00038	0.0022	mg/L	0.00038	17.45%
Al 237.313†	771053.7	99.54	mg/L	0.001	99.54	mg/L	0.001	0.00%
As 188.979†	57.9	0.1821	mg/L	0.00072	0.1821	mg/L	0.00072	0.39%
B 182.528†	14.1	0.0328	mg/L	0.00472	0.0328	mg/L	0.00472	14.38%
B 249.677†	-12.4	-0.0049	mg/L	0.00087	-0.0049	mg/L	0.00087	17.83%
Ba 233.527†	48125.7	0.6639	mg/L	0.00046	0.6639	mg/L	0.00046	0.07%
Be 313.107†	13711.6	0.0080	mg/L	0.00001	0.0080	mg/L	0.00001	0.17%
Ca 315.887†	2260300.3	21.28	mg/L	0.022	21.28	mg/L	0.022	0.10%
Cd 228.802†	93.2	0.0029	mg/L	0.00027	0.0029	mg/L	0.00027	9.11%
Co 228.616†	5023.7	0.1095	mg/L	0.00050	0.1095	mg/L	0.00050	0.46%

Cr 267.716†	17252.6	0.1868 mg/L	0.00063	0.1868 mg/L	0.00063	0.34%
Cu 324.752†	60161.2	0.3410 mg/L	0.00029	0.3410 mg/L	0.00029	0.08%
Fe 234.349†	302190.8	259.0 mg/L	5.96	259.0 mg/L	5.96	2.30%
Fe 238.204†	22718775.7	192.0 mg/L	1.29	192.0 mg/L	1.29	0.67%
K 766.490†	30675.5	16.70 mg/L	0.359	16.70 mg/L	0.359	2.15%
Li 670.784†	6321.0	0.1958 mg/L	0.00486	0.1958 mg/L	0.00486	2.48%
Mg 279.077†	438255.1	38.62 mg/L	0.016	38.62 mg/L	0.016	0.04%
Mn 257.610†	1704273.2	3.010 mg/L	0.0012	3.010 mg/L	0.0012	0.04%
Mo 202.031†	319.1	-0.0640 mg/L	0.00295	-0.0640 mg/L	0.00295	4.60%
Na 589.592†	8941.0	1.564 mg/L	0.0469	1.564 mg/L	0.0469	3.00%
Ni 231.604†	6932.1	0.2419 mg/L	0.00065	0.2419 mg/L	0.00065	0.27%
P 214.914†	12064.7	7.810 mg/L	0.0113	7.810 mg/L	0.0113	0.14%
Pb 220.353†	6016.8	0.4866 mg/L	0.00279	0.4866 mg/L	0.00279	0.57%
Sb 206.836†	43.4	-0.0793 mg/L	0.00469	-0.0793 mg/L	0.00469	5.91%
Se 196.026†	-58.9	0.0517 mg/L	0.00177	0.0517 mg/L	0.00177	3.43%
Sn 189.927†	-63.8	0.7401 mg/L	0.01282	0.7401 mg/L	0.01282	1.73%
Sr 407.771†	103138.7	0.1087 mg/L	0.00231	0.1087 mg/L	0.00231	2.13%
Ti 337.279†	5022905.3	7.106 mg/L	0.0003	7.106 mg/L	0.0003	0.00%
Tl 190.801†	-0.1	-0.1625 mg/L	0.00312	-0.1625 mg/L	0.00312	1.92%
V 292.402†	45318.4	0.2282 mg/L	0.00105	0.2282 mg/L	0.00105	0.46%
Zn 213.857†	95764.6	1.027 mg/L	0.0010	1.027 mg/L	0.0010	0.10%

Sequence No.: 136
Sample ID: 1210132-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 120
Date Collected: 10/7/2012 1:18:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210132-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-39.5	-35.1	-0.0182	mg/L	-0.0182	mg/L	01:20:35
1	Fe 234.349†	389338.7	305575.5	261.9	mg/L	261.9	mg/L	01:20:33
1	K 766.490†	36234.9	28270.0	15.40	mg/L	15.40	mg/L	01:20:35
1	Li 670.784†	7339.3	5935.6	0.1839	mg/L	0.1839	mg/L	01:20:35
1	Na 589.592†	12299.1	9502.3	1.656	mg/L	1.656	mg/L	01:20:35
1	Sr 407.771†	122780.1	96232.1	0.1014	mg/L	0.1014	mg/L	01:20:33
1	Y 371.029	3156052.7	3156052.7	1.27	mg/L			01:20:49
1	Ag 328.068†	-728.5	-1956.0	0.0020	mg/L	0.0020	mg/L	01:20:51
1	Al 237.313†	959004.5	752795.5	97.18	mg/L	97.18	mg/L	01:20:49
1	As 188.979†	83.5	62.5	0.1892	mg/L	0.1892	mg/L	01:21:01
1	B 182.528†	29.8	20.7	0.0458	mg/L	0.0458	mg/L	01:21:01
1	Ba 233.527†	44946.2	35330.1	0.4869	mg/L	0.4869	mg/L	01:20:51
1	Be 313.107†	16746.6	13659.3	0.0080	mg/L	0.0080	mg/L	01:20:51
1	Ca 315.887†	2666541.9	2092665.1	19.70	mg/L	19.70	mg/L	01:20:49
1	Cd 228.802†	201.2	95.1	0.0030	mg/L	0.0030	mg/L	01:21:01
1	Co 228.616†	6688.3	5314.1	0.1170	mg/L	0.1170	mg/L	01:21:01
1	Cr 267.716†	22038.9	16888.7	0.1828	mg/L	0.1828	mg/L	01:20:51
1	Cu 324.752†	72704.8	55828.6	0.3166	mg/L	0.3166	mg/L	01:20:51
1	Fe 238.204†	29262215.2	22966089.1	194.1	mg/L	194.1	mg/L	01:20:46
1	Mg 279.077†	567355.4	445150.0	39.23	mg/L	39.23	mg/L	01:20:49
1	Mn 257.610†	2003968.4	1571632.5	2.776	mg/L	2.776	mg/L	01:20:49
1	Mo 202.031†	364.5	259.0	-0.0681	mg/L	-0.0681	mg/L	01:20:51
1	Ni 231.604†	9241.8	7272.1	0.2539	mg/L	0.2539	mg/L	01:20:51
1	P 214.914†	13924.8	10586.1	6.937	mg/L	6.937	mg/L	01:21:01
1	Pb 220.353†	7127.0	5535.4	0.4458	mg/L	0.4458	mg/L	01:21:01
1	Sb 206.836†	98.5	40.5	-0.0831	mg/L	-0.0831	mg/L	01:21:01
1	Se 196.026†	-78.9	-62.0	0.0499	mg/L	0.0499	mg/L	01:21:01
1	Sn 189.927†	-71.7	-59.2	0.7496	mg/L	0.7496	mg/L	01:21:01
1	Ti 337.279†	6300770.1	4945574.7	6.996	mg/L	6.996	mg/L	01:20:49
1	Tl 190.801†	4.5	1.6	-0.1628	mg/L	-0.1628	mg/L	01:21:01
1	V 292.402†	51000.3	40710.3	0.1988	mg/L	0.1988	mg/L	01:20:51
1	Zn 213.857†	109303.0	84984.5	0.9106	mg/L	0.9106	mg/L	01:20:51
2	B 249.677†	-11.4	-13.2	-0.0054	mg/L	-0.0054	mg/L	01:20:40
2	Fe 234.349†	383455.7	303635.7	260.3	mg/L	260.3	mg/L	01:20:38
2	K 766.490†	36159.8	28463.5	15.51	mg/L	15.51	mg/L	01:20:40
2	Li 670.784†	7426.1	6055.6	0.1876	mg/L	0.1876	mg/L	01:20:40
2	Na 589.592†	12290.1	9581.0	1.668	mg/L	1.668	mg/L	01:20:40
2	Sr 407.771†	121029.1	95703.0	0.1009	mg/L	0.1009	mg/L	01:20:38
2	Y 371.029	3128222.3	3128222.3	1.26	mg/L			01:21:09
2	Ag 328.068†	-742.7	-1972.3	0.0018	mg/L	0.0018	mg/L	01:21:11

2	Al	237.313†	948912.1	751500.3	97.01	mg/L	97.01	mg/L	01:21:09
2	As	188.979†	80.3	60.6	0.1861	mg/L	0.1861	mg/L	01:21:21
2	B	182.528†	19.3	12.6	0.0300	mg/L	0.0300	mg/L	01:21:21
2	Ba	233.527†	45317.9	35938.3	0.4953	mg/L	0.4953	mg/L	01:21:11
2	Be	313.107†	16799.2	13817.9	0.0081	mg/L	0.0081	mg/L	01:21:11
2	Ca	315.887†	2633864.9	2085409.5	19.63	mg/L	19.63	mg/L	01:21:09
2	Cd	228.802†	199.9	95.5	0.0030	mg/L	0.0030	mg/L	01:21:21
2	Co	228.616†	6598.3	5289.6	0.1164	mg/L	0.1164	mg/L	01:21:21
2	Cr	267.716†	22095.9	17087.7	0.1850	mg/L	0.1850	mg/L	01:21:11
2	Cu	324.752†	73368.5	56861.8	0.3224	mg/L	0.3224	mg/L	01:21:11
2	Fe	238.204†	29239915.7	23152752.2	195.7	mg/L	195.7	mg/L	01:21:05
2	Mg	279.077†	559954.3	443251.1	39.06	mg/L	39.06	mg/L	01:21:09
2	Mn	257.610†	1982033.7	1568256.5	2.770	mg/L	2.770	mg/L	01:21:09
2	Mo	202.031†	391.4	282.8	-0.0663	mg/L	-0.0663	mg/L	01:21:11
2	Ni	231.604†	9287.8	7373.1	0.2575	mg/L	0.2575	mg/L	01:21:11
2	P	214.914†	13673.9	10484.6	6.873	mg/L	6.873	mg/L	01:21:21
2	Pb	220.353†	7021.7	5501.8	0.4429	mg/L	0.4429	mg/L	01:21:21
2	Sb	206.836†	92.7	36.6	-0.0857	mg/L	-0.0857	mg/L	01:21:21
2	Se	196.026†	-76.4	-60.5	0.0507	mg/L	0.0507	mg/L	01:21:21
2	Sn	189.927†	-54.4	-46.0	0.7477	mg/L	0.7477	mg/L	01:21:21
2	Ti	337.279†	6241761.9	4942844.9	6.992	mg/L	6.992	mg/L	01:21:09
2	Tl	190.801†	6.1	2.8	-0.1610	mg/L	-0.1610	mg/L	01:21:21
2	V	292.402†	51347.3	41341.2	0.2031	mg/L	0.2031	mg/L	01:21:11
2	Zn	213.857†	110278.5	86520.2	0.9271	mg/L	0.9271	mg/L	01:21:11

Mean Data: 1210132-04

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3142137.5	1.27	mg/L	0.008				0.63%
Ag 328.068†	-1964.2	0.0019	mg/L	0.00019	0.0019	mg/L	0.00019	9.83%
Al 237.313†	752147.9	97.10	mg/L	0.118	97.10	mg/L	0.118	0.12%
As 188.979†	61.5	0.1876	mg/L	0.00223	0.1876	mg/L	0.00223	1.19%
B 182.528†	16.7	0.0379	mg/L	0.01115	0.0379	mg/L	0.01115	29.44%
B 249.677†	-24.1	-0.0118	mg/L	0.00904	-0.0118	mg/L	0.00904	76.85%
Ba 233.527†	35634.2	0.4911	mg/L	0.00595	0.4911	mg/L	0.00595	1.21%
Be 313.107†	13738.6	0.0081	mg/L	0.00007	0.0081	mg/L	0.00007	0.83%
Ca 315.887†	2089037.3	19.66	mg/L	0.048	19.66	mg/L	0.048	0.25%
Cd 228.802†	95.3	0.0030	mg/L	0.00002	0.0030	mg/L	0.00002	0.59%
Co 228.616†	5301.9	0.1167	mg/L	0.00043	0.1167	mg/L	0.00043	0.37%
Cr 267.716†	16988.2	0.1839	mg/L	0.00155	0.1839	mg/L	0.00155	0.84%
Cu 324.752†	56345.2	0.3195	mg/L	0.00411	0.3195	mg/L	0.00411	1.29%
Fe 234.349†	304605.6	261.1	mg/L	1.18	261.1	mg/L	1.18	0.45%
Fe 238.204†	23059420.6	194.9	mg/L	1.12	194.9	mg/L	1.12	0.57%
K 766.490†	28366.7	15.45	mg/L	0.074	15.45	mg/L	0.074	0.48%
Li 670.784†	5995.6	0.1858	mg/L	0.00262	0.1858	mg/L	0.00262	1.41%
Mg 279.077†	444200.6	39.15	mg/L	0.118	39.15	mg/L	0.118	0.30%
Mn 257.610†	1569944.5	2.773	mg/L	0.0042	2.773	mg/L	0.0042	0.15%
Mo 202.031†	270.9	-0.0672	mg/L	0.00126	-0.0672	mg/L	0.00126	1.88%
Na 589.592†	9541.6	1.662	mg/L	0.0091	1.662	mg/L	0.0091	0.55%
Ni 231.604†	7322.6	0.2557	mg/L	0.00253	0.2557	mg/L	0.00253	0.99%
P 214.914†	10535.4	6.905	mg/L	0.0455	6.905	mg/L	0.0455	0.66%
Pb 220.353†	5518.6	0.4444	mg/L	0.00203	0.4444	mg/L	0.00203	0.46%
Sb 206.836†	38.5	-0.0844	mg/L	0.00179	-0.0844	mg/L	0.00179	2.12%
Se 196.026†	-61.3	0.0503	mg/L	0.00051	0.0503	mg/L	0.00051	1.01%
Sn 189.927†	-52.6	0.7487	mg/L	0.00133	0.7487	mg/L	0.00133	0.18%
Sr 407.771†	95967.5	0.1011	mg/L	0.00039	0.1011	mg/L	0.00039	0.39%
Ti 337.279†	4944209.8	6.994	mg/L	0.0027	6.994	mg/L	0.0027	0.04%
Tl 190.801†	2.2	-0.1619	mg/L	0.00130	-0.1619	mg/L	0.00130	0.80%
V 292.402†	41025.7	0.2009	mg/L	0.00303	0.2009	mg/L	0.00303	1.51%
Zn 213.857†	85752.3	0.9189	mg/L	0.01165	0.9189	mg/L	0.01165	1.27%

Sequence No.: 137
Sample ID: 1210137-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 121
Date Collected: 10/7/2012 1:22:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210137-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
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1	B 249.677†	16.6	9.5	0.0079 mg/L	0.0079 mg/L	01:24:40
1	Fe 234.349†	315886.1	259870.6	222.7 mg/L	222.7 mg/L	01:24:38
1	K 766.490†	27873.1	22761.2	12.44 mg/L	12.44 mg/L	01:24:40
1	Li 670.784†	6512.4	5532.9	0.1715 mg/L	0.1715 mg/L	01:24:40
1	Na 589.592†	57679.2	47299.4	7.838 mg/L	7.838 mg/L	01:24:38
1	Sr 407.771†	369846.7	304124.8	0.3195 mg/L	0.3195 mg/L	01:24:38
1	Y 371.029	3010994.8	3010994.8	1.22 mg/L		01:24:54
1	Ag 328.068†	-334.4	-1659.3	0.0016 mg/L	0.0016 mg/L	01:24:56
1	Al 237.313†	1014947.2	835077.6	107.8 mg/L	107.8 mg/L	01:24:54
1	As 188.979†	50.8	38.8	0.1431 mg/L	0.1431 mg/L	01:25:07
1	B 182.528†	19.2	13.2	0.0310 mg/L	0.0310 mg/L	01:25:07
1	Ba 233.527†	42385.4	34922.9	0.4812 mg/L	0.4812 mg/L	01:24:56
1	Be 313.107†	13666.2	11758.4	0.0069 mg/L	0.0069 mg/L	01:24:56
1	Ca 315.887†	9688622.0	7970228.8	75.07 mg/L	75.07 mg/L	01:24:51
1	Cd 228.802†	167.7	75.1	0.0024 mg/L	0.0024 mg/L	01:25:07
1	Co 228.616†	5428.1	4530.3	0.1003 mg/L	0.1003 mg/L	01:25:07
1	Cr 267.716†	20917.0	16799.1	0.1818 mg/L	0.1818 mg/L	01:24:56
1	Cu 324.752†	76533.7	61727.5	0.3486 mg/L	0.3486 mg/L	01:24:56
1	Fe 238.204†	24312426.0	20000550.1	169.0 mg/L	169.0 mg/L	01:24:51
1	Mg 279.077†	678003.9	557627.5	49.16 mg/L	49.16 mg/L	01:24:54
1	Mn 257.610†	2989011.5	2457753.1	4.343 mg/L	4.343 mg/L	01:24:54
1	Mo 202.031†	384.0	288.8	-0.0544 mg/L	-0.0544 mg/L	01:25:07
1	Ni 231.604†	6567.9	5421.9	0.1884 mg/L	0.1884 mg/L	01:25:07
1	P 214.914†	14426.0	11524.9	7.403 mg/L	7.403 mg/L	01:25:07
1	Pb 220.353†	5805.8	4718.1	0.3725 mg/L	0.3725 mg/L	01:25:07
1	Sb 206.836†	83.6	32.0	-0.0728 mg/L	-0.0728 mg/L	01:25:07
1	Se 196.026†	-70.8	-58.3	0.0368 mg/L	0.0368 mg/L	01:25:07
1	Sn 189.927†	-252.2	-210.4	0.6009 mg/L	0.6009 mg/L	01:25:07
1	Ti 337.279†	4711012.3	3875990.8	5.483 mg/L	5.483 mg/L	01:24:54
1	Tl 190.801†	18.3	13.0	-0.1305 mg/L	-0.1305 mg/L	01:25:07
1	V 292.402†	64047.6	53372.1	0.2868 mg/L	0.2868 mg/L	01:24:56
1	Zn 213.857†	91260.5	74274.6	0.7958 mg/L	0.7958 mg/L	01:24:56
2	B 249.677†	18.4	11.0	0.0087 mg/L	0.0087 mg/L	01:24:44
2	Fe 234.349†	308722.5	253269.8	217.1 mg/L	217.1 mg/L	01:24:42
2	K 766.490†	28157.6	22930.7	12.53 mg/L	12.53 mg/L	01:24:44
2	Li 670.784†	6443.4	5461.3	0.1693 mg/L	0.1693 mg/L	01:24:44
2	Na 589.592†	56748.4	46403.6	7.692 mg/L	7.692 mg/L	01:24:42
2	Sr 407.771†	362575.6	297312.1	0.3123 mg/L	0.3123 mg/L	01:24:42
2	Y 371.029	3019407.8	3019407.8	1.22 mg/L		01:25:14
2	Ag 328.068†	-388.5	-1702.9	0.0008 mg/L	0.0008 mg/L	01:25:17
2	Al 237.313†	1018813.6	835923.0	107.9 mg/L	107.9 mg/L	01:25:14
2	As 188.979†	42.0	31.4	0.1315 mg/L	0.1315 mg/L	01:25:27
2	B 182.528†	17.6	11.8	0.0284 mg/L	0.0284 mg/L	01:25:27
2	Ba 233.527†	42607.4	35007.9	0.4824 mg/L	0.4824 mg/L	01:25:17
2	Be 313.107†	13780.1	11820.5	0.0069 mg/L	0.0069 mg/L	01:25:17
2	Ca 315.887†	9696636.5	7954595.6	74.92 mg/L	74.92 mg/L	01:25:11
2	Cd 228.802†	167.3	74.4	0.0024 mg/L	0.0024 mg/L	01:25:27
2	Co 228.616†	5472.6	4554.3	0.1009 mg/L	0.1009 mg/L	01:25:27
2	Cr 267.716†	21025.1	16839.8	0.1823 mg/L	0.1823 mg/L	01:25:17
2	Cu 324.752†	76789.2	61761.7	0.3488 mg/L	0.3488 mg/L	01:25:17
2	Fe 238.204†	24298097.9	19933067.7	168.5 mg/L	168.5 mg/L	01:25:11
2	Mg 279.077†	680397.7	558037.2	49.19 mg/L	49.19 mg/L	01:25:14
2	Mn 257.610†	2999974.7	2459895.5	4.346 mg/L	4.346 mg/L	01:25:14
2	Mo 202.031†	404.2	304.5	-0.0518 mg/L	-0.0518 mg/L	01:25:27
2	Ni 231.604†	6587.0	5422.5	0.1884 mg/L	0.1884 mg/L	01:25:27
2	P 214.914†	14439.0	11502.5	7.376 mg/L	7.376 mg/L	01:25:27
2	Pb 220.353†	5810.1	4708.3	0.3716 mg/L	0.3716 mg/L	01:25:27
2	Sb 206.836†	100.4	45.6	-0.0588 mg/L	-0.0588 mg/L	01:25:27
2	Se 196.026†	-72.1	-59.2	0.0336 mg/L	0.0336 mg/L	01:25:27
2	Sn 189.927†	-287.7	-238.9	0.5779 mg/L	0.5779 mg/L	01:25:27
2	Ti 337.279†	4727713.8	3878893.6	5.487 mg/L	5.487 mg/L	01:25:14
2	Tl 190.801†	11.5	7.4	-0.1313 mg/L	-0.1313 mg/L	01:25:27
2	V 292.402†	64282.1	53417.7	0.2881 mg/L	0.2881 mg/L	01:25:17
2	Zn 213.857†	91638.1	74375.2	0.7969 mg/L	0.7969 mg/L	01:25:17

Mean Data: 1210137-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3015201.3	1.22 mg/L	0.002			0.20%
Ag 328.068†	-1681.1	0.0012 mg/L	0.00057	0.0012 mg/L	0.00057	48.86%
Al 237.313†	835500.3	107.9 mg/L	0.08	107.9 mg/L	0.08	0.07%
As 188.979†	35.1	0.1373 mg/L	0.00819	0.1373 mg/L	0.00819	5.96%

B 182.528†	12.5	0.0297 mg/L	0.00190	0.0297 mg/L	0.00190	6.39%
B 249.677†	10.2	0.0083 mg/L	0.00060	0.0083 mg/L	0.00060	7.25%
Ba 233.527†	34965.4	0.4818 mg/L	0.00083	0.4818 mg/L	0.00083	0.17%
Be 313.107†	11789.4	0.0069 mg/L	0.00003	0.0069 mg/L	0.00003	0.38%
Ca 315.887†	7962412.2	74.99 mg/L	0.104	74.99 mg/L	0.104	0.14%
Cd 228.802†	74.7	0.0024 mg/L	0.00001	0.0024 mg/L	0.00001	0.45%
Co 228.616†	4542.3	0.1006 mg/L	0.00042	0.1006 mg/L	0.00042	0.42%
Cr 267.716†	16819.4	0.1820 mg/L	0.00032	0.1820 mg/L	0.00032	0.17%
Cu 324.752†	61744.6	0.3487 mg/L	0.00014	0.3487 mg/L	0.00014	0.04%
Fe 234.349†	256570.2	219.9 mg/L	4.00	219.9 mg/L	4.00	1.82%
Fe 238.204†	19966808.9	168.7 mg/L	0.40	168.7 mg/L	0.40	0.24%
K 766.490†	22845.9	12.49 mg/L	0.064	12.49 mg/L	0.064	0.52%
Li 670.784†	5497.1	0.1704 mg/L	0.00156	0.1704 mg/L	0.00156	0.92%
Mg 279.077†	557832.4	49.18 mg/L	0.026	49.18 mg/L	0.026	0.05%
Mn 257.610†	2458824.3	4.345 mg/L	0.0027	4.345 mg/L	0.0027	0.06%
Mo 202.031†	296.6	-0.0531 mg/L	0.00184	-0.0531 mg/L	0.00184	3.46%
Na 589.592†	46851.5	7.765 mg/L	0.1036	7.765 mg/L	0.1036	1.33%
Ni 231.604†	5422.2	0.1884 mg/L	0.00002	0.1884 mg/L	0.00002	0.01%
P 214.914†	11513.7	7.390 mg/L	0.0188	7.390 mg/L	0.0188	0.26%
Pb 220.353†	4713.2	0.3720 mg/L	0.00062	0.3720 mg/L	0.00062	0.17%
Sb 206.836†	38.8	-0.0658 mg/L	0.00990	-0.0658 mg/L	0.00990	15.04%
Se 196.026†	-58.8	0.0352 mg/L	0.00232	0.0352 mg/L	0.00232	6.59%
Sn 189.927†	-224.6	0.5894 mg/L	0.01625	0.5894 mg/L	0.01625	2.76%
Sr 407.771†	300718.5	0.3159 mg/L	0.00505	0.3159 mg/L	0.00505	1.60%
Ti 337.279†	3877442.2	5.485 mg/L	0.0029	5.485 mg/L	0.0029	0.05%
Tl 190.801†	10.2	-0.1309 mg/L	0.00050	-0.1309 mg/L	0.00050	0.38%
V 292.402†	53394.9	0.2875 mg/L	0.00096	0.2875 mg/L	0.00096	0.33%
Zn 213.857†	74324.9	0.7963 mg/L	0.00076	0.7963 mg/L	0.00076	0.10%

Sequence No.: 138
Sample ID: 1210137-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 122
Date Collected: 10/7/2012 1:27:03 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210137-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	48.9	32.6	0.0214	mg/L	0.0214	mg/L	01:28:45
1	Fe 234.349†	369877.7	277997.1	238.2	mg/L	238.2	mg/L	01:28:43
1	K 766.490†	36563.3	27311.4	14.89	mg/L	14.89	mg/L	01:28:45
1	Li 670.784†	7867.6	6088.6	0.1887	mg/L	0.1887	mg/L	01:28:45
1	Na 589.592†	143576.2	107757.9	17.73	mg/L	17.73	mg/L	01:28:43
1	Sr 407.771†	1549132.0	1164160.1	1.222	mg/L	1.222	mg/L	01:28:43
1	Y 371.029	3295747.4	3295747.4	1.33	mg/L			01:28:59
1	Ag 328.068†	-1296.5	-2358.6	-0.0032	mg/L	-0.0032	mg/L	01:29:02
1	Al 237.313†	1075536.1	808475.1	104.4	mg/L	104.4	mg/L	01:28:59
1	As 188.979†	60.2	42.3	0.1539	mg/L	0.1539	mg/L	01:29:12
1	B 182.528†	25.8	16.8	0.0380	mg/L	0.0380	mg/L	01:29:12
1	Ba 233.527†	163962.9	123285.1	1.704	mg/L	1.704	mg/L	01:29:02
1	Be 313.107†	24986.2	19294.9	0.0114	mg/L	0.0114	mg/L	01:29:02
1	Ca 315.887†	17552675.2	13192024.9	124.3	mg/L	124.3	mg/L	01:28:56
1	Cd 228.802†	204.3	90.7	0.0029	mg/L	0.0029	mg/L	01:29:12
1	Co 228.616†	4655.4	3563.8	0.0783	mg/L	0.0783	mg/L	01:29:12
1	Cr 267.716†	15306.7	11095.8	0.1190	mg/L	0.1190	mg/L	01:29:12
1	Cu 324.752†	88622.2	65373.1	0.3682	mg/L	0.3682	mg/L	01:29:02
1	Fe 238.204†	28342969.7	21301750.8	180.0	mg/L	180.0	mg/L	01:28:56
1	Mg 279.077†	575321.3	432263.0	38.11	mg/L	38.11	mg/L	01:28:59
1	Mn 257.610†	6114395.5	4594267.2	8.120	mg/L	8.120	mg/L	01:28:59
1	Mo 202.031†	527.1	369.0	-0.0550	mg/L	-0.0550	mg/L	01:29:12
1	Ni 231.604†	5381.9	4063.7	0.1403	mg/L	0.1403	mg/L	01:29:12
1	P 214.914†	25938.6	19152.2	11.98	mg/L	11.98	mg/L	01:29:12
1	Pb 220.353†	17745.2	13278.7	1.112	mg/L	1.112	mg/L	01:29:12
1	Sb 206.836†	99.4	37.9	-0.0748	mg/L	-0.0748	mg/L	01:29:12
1	Se 196.026†	-91.4	-68.8	0.0333	mg/L	0.0333	mg/L	01:29:12
1	Sn 189.927†	-97.0	-75.8	0.6768	mg/L	0.6768	mg/L	01:29:12
1	Ti 337.279†	4034937.9	3033023.3	4.290	mg/L	4.290	mg/L	01:28:59
1	Tl 190.801†	21.0	13.8	-0.1370	mg/L	-0.1370	mg/L	01:29:12
1	V 292.402†	67954.4	51756.0	0.2744	mg/L	0.2744	mg/L	01:29:02
1	Zn 213.857†	128806.2	96006.6	1.030	mg/L	1.030	mg/L	01:29:02
2	B 249.677†	56.6	38.2	0.0247	mg/L	0.0247	mg/L	01:28:50

2	Fe 234.349†	375383.5	281131.3	240.9 mg/L	240.9 mg/L	01:28:47
2	K 766.490†	36226.0	26961.0	14.70 mg/L	14.70 mg/L	01:28:50
2	Li 670.784†	7886.5	6081.7	0.1884 mg/L	0.1884 mg/L	01:28:50
2	Na 589.592†	145352.4	108704.2	17.88 mg/L	17.88 mg/L	01:28:47
2	Sr 407.771†	1570530.6	1176043.1	1.234 mg/L	1.234 mg/L	01:28:47
2	Y 371.029	3307515.4	3307515.4	1.34 mg/L		01:29:20
2	Ag 328.068†	-1369.0	-2409.5	-0.0034 mg/L	-0.0034 mg/L	01:29:22
2	Al 237.313†	1078392.5	807738.1	104.3 mg/L	104.3 mg/L	01:29:20
2	As 188.979†	65.1	45.7	0.1594 mg/L	0.1594 mg/L	01:29:32
2	B 182.528†	24.0	15.3	0.0352 mg/L	0.0352 mg/L	01:29:32
2	Ba 233.527†	164606.7	123328.8	1.705 mg/L	1.705 mg/L	01:29:22
2	Be 313.107†	25014.2	19249.1	0.0113 mg/L	0.0113 mg/L	01:29:22
2	Ca 315.887†	17602042.9	13182059.2	124.2 mg/L	124.2 mg/L	01:29:17
2	Cd 228.802†	199.1	86.3	0.0027 mg/L	0.0027 mg/L	01:29:32
2	Co 228.616†	4673.7	3565.0	0.0784 mg/L	0.0784 mg/L	01:29:32
2	Cr 267.716†	15301.2	11050.7	0.1185 mg/L	0.1185 mg/L	01:29:32
2	Cu 324.752†	88693.6	65189.6	0.3671 mg/L	0.3671 mg/L	01:29:22
2	Fe 238.204†	28397936.3	21267124.0	179.7 mg/L	179.7 mg/L	01:29:17
2	Mg 279.077†	577826.8	432600.9	38.14 mg/L	38.14 mg/L	01:29:20
2	Mn 257.610†	6129396.3	4589151.0	8.111 mg/L	8.111 mg/L	01:29:20
2	Mo 202.031†	508.8	353.9	-0.0566 mg/L	-0.0566 mg/L	01:29:32
2	Ni 231.604†	5366.3	4037.6	0.1393 mg/L	0.1393 mg/L	01:29:32
2	P 214.914†	25936.0	19080.8	11.94 mg/L	11.94 mg/L	01:29:32
2	Pb 220.353†	17713.9	13207.8	1.106 mg/L	1.106 mg/L	01:29:32
2	Sb 206.836†	113.2	48.0	-0.0675 mg/L	-0.0675 mg/L	01:29:32
2	Se 196.026†	-83.3	-62.4	0.0406 mg/L	0.0406 mg/L	01:29:32
2	Sn 189.927†	-89.1	-69.6	0.6860 mg/L	0.6860 mg/L	01:29:32
2	Ti 337.279†	4038642.5	3025007.9	4.278 mg/L	4.278 mg/L	01:29:20
2	Tl 190.801†	30.2	20.6	-0.1338 mg/L	-0.1338 mg/L	01:29:32
2	V 292.402†	67924.4	51551.8	0.2726 mg/L	0.2726 mg/L	01:29:22
2	Zn 213.857†	129002.7	95809.3	1.028 mg/L	1.028 mg/L	01:29:22

Mean Data: 1210137-02

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3301631.4	1.33 mg/L	0.003			0.25%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 133.3%						
Ag 328.068†	-2384.1	-0.0033 mg/L	0.00016	-0.0033 mg/L	0.00016	4.85%
Al 237.313†	808106.6	104.3 mg/L	0.07	104.3 mg/L	0.07	0.06%
As 188.979†	44.0	0.1566 mg/L	0.00386	0.1566 mg/L	0.00386	2.47%
B 182.528†	16.0	0.0366 mg/L	0.00200	0.0366 mg/L	0.00200	5.46%
B 249.677†	35.4	0.0230 mg/L	0.00231	0.0230 mg/L	0.00231	10.01%
Ba 233.527†	123306.9	1.704 mg/L	0.0004	1.704 mg/L	0.0004	0.03%
Be 313.107†	19272.0	0.0114 mg/L	0.00002	0.0114 mg/L	0.00002	0.17%
Ca 315.887†	13187042.1	124.2 mg/L	0.07	124.2 mg/L	0.07	0.05%
Cd 228.802†	88.5	0.0028 mg/L	0.00013	0.0028 mg/L	0.00013	4.42%
Co 228.616†	3564.4	0.0784 mg/L	0.00004	0.0784 mg/L	0.00004	0.05%
Cr 267.716†	11073.3	0.1188 mg/L	0.00035	0.1188 mg/L	0.00035	0.30%
Cu 324.752†	65281.3	0.3676 mg/L	0.00074	0.3676 mg/L	0.00074	0.20%
Fe 234.349†	279564.2	239.5 mg/L	1.90	239.5 mg/L	1.90	0.79%
Fe 238.204†	21284437.4	179.9 mg/L	0.21	179.9 mg/L	0.21	0.12%
K 766.490†	27136.2	14.79 mg/L	0.133	14.79 mg/L	0.133	0.90%
Li 670.784†	6085.1	0.1885 mg/L	0.00015	0.1885 mg/L	0.00015	0.08%
Mg 279.077†	432432.0	38.13 mg/L	0.021	38.13 mg/L	0.021	0.06%
Mn 257.610†	4591709.1	8.116 mg/L	0.0064	8.116 mg/L	0.0064	0.08%
Mo 202.031†	361.5	-0.0558 mg/L	0.00116	-0.0558 mg/L	0.00116	2.08%
Na 589.592†	108231.0	17.81 mg/L	0.109	17.81 mg/L	0.109	0.61%
Ni 231.604†	4050.6	0.1398 mg/L	0.00065	0.1398 mg/L	0.00065	0.47%
P 214.914†	19116.5	11.96 mg/L	0.026	11.96 mg/L	0.026	0.21%
Pb 220.353†	13243.3	1.109 mg/L	0.0043	1.109 mg/L	0.0043	0.39%
Sb 206.836†	42.9	-0.0711 mg/L	0.00515	-0.0711 mg/L	0.00515	7.24%
Se 196.026†	-65.6	0.0370 mg/L	0.00518	0.0370 mg/L	0.00518	14.02%
Sn 189.927†	-72.7	0.6814 mg/L	0.00654	0.6814 mg/L	0.00654	0.96%
Sr 407.771†	1170101.6	1.228 mg/L	0.0088	1.228 mg/L	0.0088	0.72%
Ti 337.279†	3029015.6	4.284 mg/L	0.0080	4.284 mg/L	0.0080	0.19%
Tl 190.801†	17.2	-0.1354 mg/L	0.00232	-0.1354 mg/L	0.00232	1.71%
V 292.402†	51653.9	0.2735 mg/L	0.00126	0.2735 mg/L	0.00126	0.46%
Zn 213.857†	95907.9	1.029 mg/L	0.0015	1.029 mg/L	0.0015	0.15%
Internal Standard Check failed. Continue with analysis.						

Sample ID: CJ20518-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/7/2012 1:31:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	28.4	17.2	0.0124	mg/L	0.0124	mg/L	01:32:54
1	Fe 234.349†	313966.5	235455.8	201.8	mg/L	201.8	mg/L	01:32:52
1	K 766.490†	27651.3	20567.6	11.26	mg/L	11.26	mg/L	01:32:54
1	Li 670.784†	6860.0	5319.9	0.1649	mg/L	0.1649	mg/L	01:32:54
1	Na 589.592†	114774.3	85921.1	14.16	mg/L	14.16	mg/L	01:32:52
1	Sr 407.771†	758935.6	569010.6	0.5974	mg/L	0.5974	mg/L	01:32:52
1	Y 371.029	3303023.8	3303023.8	1.33	mg/L			01:33:08
1	Ag 328.068†	4696.0	2137.4	0.0323	mg/L	0.0323	mg/L	01:33:11
1	Al 237.313†	1002128.4	751644.4	97.03	mg/L	97.03	mg/L	01:33:08
1	As 188.979†	69.6	49.2	0.1473	mg/L	0.1473	mg/L	01:33:21
1	B 182.528†	19.2	11.7	0.0283	mg/L	0.0283	mg/L	01:33:21
1	Ba 233.527†	103323.2	77538.6	1.071	mg/L	1.071	mg/L	01:33:11
1	Be 313.107†	19637.4	15242.4	0.0090	mg/L	0.0090	mg/L	01:33:11
1	Ca 315.887†	8952429.5	6713460.7	63.23	mg/L	63.23	mg/L	01:33:05
1	Cd 228.802†	200.6	87.6	0.0028	mg/L	0.0028	mg/L	01:33:21
1	Co 228.616†	4294.3	3285.3	0.0721	mg/L	0.0721	mg/L	01:33:21
1	Cr 267.716†	15868.0	11491.4	0.1234	mg/L	0.1234	mg/L	01:33:21
1	Cu 324.752†	77748.8	57072.2	0.3211	mg/L	0.3211	mg/L	01:33:11
1	Fe 238.204†	25751343.6	19311309.7	163.2	mg/L	163.2	mg/L	01:33:05
1	Mg 279.077†	513141.4	384680.5	33.91	mg/L	33.91	mg/L	01:33:08
1	Mn 257.610†	4928434.3	3694766.8	6.530	mg/L	6.530	mg/L	01:33:08
1	Mo 202.031†	501.9	349.3	-0.0446	mg/L	-0.0446	mg/L	01:33:21
1	Ni 231.604†	4921.6	3709.6	0.1277	mg/L	0.1277	mg/L	01:33:21
1	P 214.914†	14310.7	10389.2	6.679	mg/L	6.679	mg/L	01:33:21
1	Pb 220.353†	15624.9	11659.3	0.9743	mg/L	0.9743	mg/L	01:33:21
1	Sb 206.836†	98.3	36.9	-0.0594	mg/L	-0.0594	mg/L	01:33:21
1	Se 196.026†	-86.9	-65.2	0.0212	mg/L	0.0212	mg/L	01:33:21
1	Sn 189.927†	1.5	-1.7	0.5869	mg/L	0.5869	mg/L	01:33:21
1	Ti 337.279†	3670986.8	2753408.3	3.894	mg/L	3.894	mg/L	01:33:08
1	Tl 190.801†	14.0	8.5	-0.1194	mg/L	-0.1194	mg/L	01:33:21
1	V 292.402†	61666.0	46927.7	0.2513	mg/L	0.2513	mg/L	01:33:11
1	Zn 213.857†	114740.3	85244.9	0.9141	mg/L	0.9141	mg/L	01:33:11
2	B 249.677†	38.1	24.6	0.0167	mg/L	0.0167	mg/L	01:32:59
2	Fe 234.349†	317257.2	239242.8	205.0	mg/L	205.0	mg/L	01:32:56
2	K 766.490†	27082.9	20253.9	11.09	mg/L	11.09	mg/L	01:32:59
2	Li 670.784†	6665.3	5201.7	0.1613	mg/L	0.1613	mg/L	01:32:59
2	Na 589.592†	115748.6	87133.0	14.35	mg/L	14.35	mg/L	01:32:56
2	Sr 407.771†	767232.1	578422.7	0.6072	mg/L	0.6072	mg/L	01:32:56
2	Y 371.029	3284809.3	3284809.3	1.33	mg/L			01:33:29
2	Ag 328.068†	4735.8	2186.9	0.0329	mg/L	0.0329	mg/L	01:33:31
2	Al 237.313†	998128.0	752794.9	97.18	mg/L	97.18	mg/L	01:33:29
2	As 188.979†	58.5	41.1	0.1386	mg/L	0.1386	mg/L	01:33:41
2	B 182.528†	17.4	10.5	0.0258	mg/L	0.0258	mg/L	01:33:41
2	Ba 233.527†	102612.7	77432.5	1.069	mg/L	1.069	mg/L	01:33:31
2	Be 313.107†	19372.7	15124.4	0.0089	mg/L	0.0089	mg/L	01:33:31
2	Ca 315.887†	9017867.2	6800033.2	64.04	mg/L	64.04	mg/L	01:33:26
2	Cd 228.802†	198.9	87.2	0.0028	mg/L	0.0028	mg/L	01:33:41
2	Co 228.616†	4326.7	3327.5	0.0732	mg/L	0.0732	mg/L	01:33:41
2	Cr 267.716†	15913.4	11591.6	0.1245	mg/L	0.1245	mg/L	01:33:41
2	Cu 324.752†	77578.5	57267.1	0.3222	mg/L	0.3222	mg/L	01:33:31
2	Fe 238.204†	25891604.2	19524160.3	165.0	mg/L	165.0	mg/L	01:33:26
2	Mg 279.077†	510668.7	384949.7	33.93	mg/L	33.93	mg/L	01:33:29
2	Mn 257.610†	4905642.7	3698074.3	6.536	mg/L	6.536	mg/L	01:33:29
2	Mo 202.031†	491.6	343.6	-0.0459	mg/L	-0.0459	mg/L	01:33:41
2	Ni 231.604†	4893.8	3709.1	0.1277	mg/L	0.1277	mg/L	01:33:41
2	P 214.914†	14360.7	10486.4	6.744	mg/L	6.744	mg/L	01:33:41
2	Pb 220.353†	15653.4	11745.8	0.9817	mg/L	0.9817	mg/L	01:33:41
2	Sb 206.836†	93.8	33.9	-0.0634	mg/L	-0.0634	mg/L	01:33:41
2	Se 196.026†	-76.1	-57.5	0.0301	mg/L	0.0301	mg/L	01:33:41
2	Sn 189.927†	23.0	14.5	0.6001	mg/L	0.6001	mg/L	01:33:41
2	Ti 337.279†	3654146.7	2755974.7	3.898	mg/L	3.898	mg/L	01:33:29
2	Tl 190.801†	7.1	3.3	-0.1249	mg/L	-0.1249	mg/L	01:33:41
2	V 292.402†	61416.2	46995.7	0.2512	mg/L	0.2512	mg/L	01:33:31
2	Zn 213.857†	114571.7	85594.9	0.9179	mg/L	0.9179	mg/L	01:33:31

Mean Data: CJ20518-DUP2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3293916.5	1.33 mg/L	0.005			0.39%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 133.0%						
Ag 328.068†	2162.2	0.0326 mg/L	0.00047	0.0326 mg/L	0.00047	1.46%
Al 237.313†	752219.6	97.11 mg/L	0.105	97.11 mg/L	0.105	0.11%
As 188.979†	45.1	0.1429 mg/L	0.00614	0.1429 mg/L	0.00614	4.30%
B 182.528†	11.1	0.0270 mg/L	0.00176	0.0270 mg/L	0.00176	6.50%
B 249.677†	20.9	0.0146 mg/L	0.00304	0.0146 mg/L	0.00304	20.86%
Ba 233.527†	77485.5	1.070 mg/L	0.0010	1.070 mg/L	0.0010	0.10%
Be 313.107†	15183.4	0.0089 mg/L	0.00005	0.0089 mg/L	0.00005	0.56%
Ca 315.887†	6756747.0	63.64 mg/L	0.577	63.64 mg/L	0.577	0.91%
Cd 228.802†	87.4	0.0028 mg/L	0.00002	0.0028 mg/L	0.00002	0.72%
Co 228.616†	3306.4	0.0726 mg/L	0.00075	0.0726 mg/L	0.00075	1.03%
Cr 267.716†	11541.5	0.1239 mg/L	0.00078	0.1239 mg/L	0.00078	0.63%
Cu 324.752†	57169.6	0.3217 mg/L	0.00078	0.3217 mg/L	0.00078	0.24%
Fe 234.349†	237349.3	203.4 mg/L	2.29	203.4 mg/L	2.29	1.13%
Fe 238.204†	19417735.0	164.1 mg/L	1.27	164.1 mg/L	1.27	0.78%
K 766.490†	20410.8	11.18 mg/L	0.119	11.18 mg/L	0.119	1.07%
Li 670.784†	5260.8	0.1631 mg/L	0.00258	0.1631 mg/L	0.00258	1.58%
Mg 279.077†	384815.1	33.92 mg/L	0.017	33.92 mg/L	0.017	0.05%
Mn 257.610†	3696420.6	6.533 mg/L	0.0041	6.533 mg/L	0.0041	0.06%
Mo 202.031†	346.4	-0.0453 mg/L	0.00093	-0.0453 mg/L	0.00093	2.05%
Na 589.592†	86527.0	14.25 mg/L	0.140	14.25 mg/L	0.140	0.98%
Ni 231.604†	3709.4	0.1277 mg/L	0.00001	0.1277 mg/L	0.00001	0.01%
P 214.914†	10437.8	6.711 mg/L	0.0463	6.711 mg/L	0.0463	0.69%
Pb 220.353†	11702.5	0.9780 mg/L	0.00525	0.9780 mg/L	0.00525	0.54%
Sb 206.836†	35.4	-0.0614 mg/L	0.00281	-0.0614 mg/L	0.00281	4.57%
Se 196.026†	-61.3	0.0257 mg/L	0.00629	0.0257 mg/L	0.00629	24.51%
Sn 189.927†	6.4	0.5935 mg/L	0.00929	0.5935 mg/L	0.00929	1.57%
Sr 407.771†	573716.6	0.6023 mg/L	0.00698	0.6023 mg/L	0.00698	1.16%
Ti 337.279†	2754691.5	3.896 mg/L	0.0026	3.896 mg/L	0.0026	0.07%
Tl 190.801†	5.9	-0.1221 mg/L	0.00387	-0.1221 mg/L	0.00387	3.17%
V 292.402†	46961.7	0.2513 mg/L	0.00013	0.2513 mg/L	0.00013	0.05%
Zn 213.857†	85419.9	0.9160 mg/L	0.00266	0.9160 mg/L	0.00266	0.29%
Internal Standard Check failed. Continue with analysis.						

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Sequence No.: 140

Autosampler Location: 124

Sample ID: CJ20518-MS2

Date Collected: 10/7/2012 1:35:24 AM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ20518-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	803.9	596.7	0.3490 mg/L	0.3490 mg/L	01:37:08
1	Fe 234.349†	400183.6	299118.0	256.3 mg/L	256.3 mg/L	01:37:06
1	K 766.490†	98602.5	73530.5	39.75 mg/L	39.75 mg/L	01:37:06
1	Li 670.784†	25650.7	19347.8	0.5982 mg/L	0.5982 mg/L	01:37:08
1	Na 589.592†	255455.4	190786.4	31.31 mg/L	31.31 mg/L	01:37:06
1	Sr 407.771†	797901.3	596250.5	0.6259 mg/L	0.6259 mg/L	01:37:06
1	Y 371.029	3313996.6	3313996.6	1.34 mg/L		01:37:23
1	Ag 328.068†	28911.8	20225.5	0.1904 mg/L	0.1904 mg/L	01:37:25
1	Al 237.313†	1394114.8	1042141.5	134.5 mg/L	134.5 mg/L	01:37:23
1	As 188.979†	473.1	350.6	0.5455 mg/L	0.5455 mg/L	01:37:35
1	B 182.528†	288.5	213.0	0.4210 mg/L	0.4210 mg/L	01:37:35
1	Ba 233.527†	135273.6	101163.0	1.398 mg/L	1.398 mg/L	01:37:25
1	Be 313.107†	99874.1	75165.5	0.0448 mg/L	0.0448 mg/L	01:37:25
1	Ca 315.887†	11051990.7	8260522.6	77.80 mg/L	77.80 mg/L	01:37:20
1	Cd 228.802†	6755.0	4986.1	0.1746 mg/L	0.1746 mg/L	01:37:35
1	Co 228.616†	25281.8	18961.4	0.4590 mg/L	0.4590 mg/L	01:37:35
1	Cr 267.716†	66136.6	49024.6	0.5371 mg/L	0.5371 mg/L	01:37:25
1	Cu 324.752†	177510.2	131444.6	0.7427 mg/L	0.7427 mg/L	01:37:25
1	Fe 238.204†	30772681.1	23000505.0	194.4 mg/L	194.4 mg/L	01:37:20
1	Mg 279.077†	842241.3	629388.0	55.49 mg/L	55.49 mg/L	01:37:23
1	Mn 257.610†	5195701.2	3882294.7	6.862 mg/L	6.862 mg/L	01:37:23
1	Mo 202.031†	8946.9	6660.2	0.2746 mg/L	0.2746 mg/L	01:37:35

1	Ni 231.604†	21013.5	15725.1	0.5540 mg/L	0.5540 mg/L	01:37:25
1	P 214.914†	26697.5	19612.0	12.28 mg/L	12.28 mg/L	01:37:35
1	Pb 220.353†	18229.9	13567.6	1.128 mg/L	1.128 mg/L	01:37:35
1	Sb 206.836†	453.3	302.0	0.1401 mg/L	0.1401 mg/L	01:37:35
1	Se 196.026†	909.4	679.7	0.7668 mg/L	0.7668 mg/L	01:37:35
1	Sn 189.927†	2483.7	1853.5	1.166 mg/L	1.166 mg/L	01:37:35
1	Ti 337.279†	7014325.0	5243230.0	7.417 mg/L	7.417 mg/L	01:37:23
1	Tl 190.801†	645.3	480.3	0.1718 mg/L	0.1718 mg/L	01:37:35
1	V 292.402†	155305.3	116764.1	0.6805 mg/L	0.6805 mg/L	01:37:25
1	Zn 213.857†	152141.5	112915.1	1.209 mg/L	1.209 mg/L	01:37:25
2	B 249.677†	814.2	604.0	0.3533 mg/L	0.3533 mg/L	01:37:13
2	Fe 234.349†	410675.8	306777.7	262.9 mg/L	262.9 mg/L	01:37:11
2	K 766.490†	100809.0	75134.9	40.61 mg/L	40.61 mg/L	01:37:11
2	Li 670.784†	25920.3	19537.8	0.6041 mg/L	0.6041 mg/L	01:37:13
2	Na 589.592†	260650.7	194553.7	31.93 mg/L	31.93 mg/L	01:37:11
2	Sr 407.771†	817880.7	610820.3	0.6412 mg/L	0.6412 mg/L	01:37:11
2	Y 371.029	3315969.1	3315969.1	1.34 mg/L	1.34 mg/L	01:37:43
2	Ag 328.068†	28899.5	20203.5	0.1907 mg/L	0.1907 mg/L	01:37:46
2	Al 237.313†	1405348.4	1049913.0	135.5 mg/L	135.5 mg/L	01:37:43
2	As 188.979†	480.6	356.0	0.5551 mg/L	0.5551 mg/L	01:37:56
2	B 182.528†	273.2	201.5	0.3985 mg/L	0.3985 mg/L	01:37:56
2	Ba 233.527†	135231.5	101071.4	1.396 mg/L	1.396 mg/L	01:37:46
2	Be 313.107†	99561.8	74887.9	0.0446 mg/L	0.0446 mg/L	01:37:46
2	Ca 315.887†	11028881.7	8238346.7	77.59 mg/L	77.59 mg/L	01:37:40
2	Cd 228.802†	6707.1	4947.3	0.1732 mg/L	0.1732 mg/L	01:37:56
2	Co 228.616†	25200.2	18889.3	0.4571 mg/L	0.4571 mg/L	01:37:56
2	Cr 267.716†	66152.6	49007.2	0.5369 mg/L	0.5369 mg/L	01:37:46
2	Cu 324.752†	176705.5	130764.5	0.7389 mg/L	0.7389 mg/L	01:37:46
2	Fe 238.204†	30716547.2	22944891.9	193.9 mg/L	193.9 mg/L	01:37:40
2	Mg 279.077†	847346.1	632826.7	55.80 mg/L	55.80 mg/L	01:37:43
2	Mn 257.610†	5231817.8	3906963.5	6.905 mg/L	6.905 mg/L	01:37:43
2	Mo 202.031†	8892.4	6615.4	0.2701 mg/L	0.2701 mg/L	01:37:56
2	Ni 231.604†	20998.0	15704.2	0.5533 mg/L	0.5533 mg/L	01:37:46
2	P 214.914†	26562.9	19499.6	12.23 mg/L	12.23 mg/L	01:37:56
2	Pb 220.353†	18137.7	13490.6	1.121 mg/L	1.121 mg/L	01:37:56
2	Sb 206.836†	454.2	302.5	0.1375 mg/L	0.1375 mg/L	01:37:56
2	Se 196.026†	893.3	667.2	0.7576 mg/L	0.7576 mg/L	01:37:56
2	Sn 189.927†	2510.7	1872.6	1.189 mg/L	1.189 mg/L	01:37:56
2	Ti 337.279†	7066162.4	5278833.7	7.468 mg/L	7.468 mg/L	01:37:43
2	Tl 190.801†	650.4	483.8	0.1705 mg/L	0.1705 mg/L	01:37:56
2	V 292.402†	154864.1	116365.5	0.6767 mg/L	0.6767 mg/L	01:37:46
2	Zn 213.857†	151951.6	112705.6	1.206 mg/L	1.206 mg/L	01:37:46

Mean Data: CJ20518-MS2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3314982.8	1.34 mg/L	0.001			0.04%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 133.8%						
Ag 328.068†	20214.5	0.1906 mg/L	0.00022	0.1906 mg/L	0.00022	0.12%
Al 237.313†	1046027.2	135.0 mg/L	0.71	135.0 mg/L	0.71	0.53%
As 188.979†	353.3	0.5503 mg/L	0.00675	0.5503 mg/L	0.00675	1.23%
B 182.528†	207.2	0.4097 mg/L	0.01589	0.4097 mg/L	0.01589	3.88%
B 249.677†	600.4	0.3511 mg/L	0.00301	0.3511 mg/L	0.00301	0.86%
Ba 233.527†	101117.2	1.397 mg/L	0.0009	1.397 mg/L	0.0009	0.06%
Be 313.107†	75026.7	0.0447 mg/L	0.00012	0.0447 mg/L	0.00012	0.26%
Ca 315.887†	8249434.7	77.70 mg/L	0.148	77.70 mg/L	0.148	0.19%
Cd 228.802†	4966.7	0.1739 mg/L	0.00099	0.1739 mg/L	0.00099	0.57%
Co 228.616†	18925.3	0.4580 mg/L	0.00135	0.4580 mg/L	0.00135	0.30%
Cr 267.716†	49015.9	0.5370 mg/L	0.00014	0.5370 mg/L	0.00014	0.03%
Cu 324.752†	131104.5	0.7408 mg/L	0.00268	0.7408 mg/L	0.00268	0.36%
Fe 234.349†	302947.9	259.6 mg/L	4.64	259.6 mg/L	4.64	1.79%
Fe 238.204†	22972698.5	194.2 mg/L	0.33	194.2 mg/L	0.33	0.17%
K 766.490†	74332.7	40.18 mg/L	0.610	40.18 mg/L	0.610	1.52%
Li 670.784†	19442.8	0.6012 mg/L	0.00415	0.6012 mg/L	0.00415	0.69%
Mg 279.077†	631107.3	55.65 mg/L	0.215	55.65 mg/L	0.215	0.39%
Mn 257.610†	3894629.1	6.883 mg/L	0.0308	6.883 mg/L	0.0308	0.45%
Mo 202.031†	6637.8	0.2723 mg/L	0.00313	0.2723 mg/L	0.00313	1.15%
Na 589.592†	192670.1	31.62 mg/L	0.436	31.62 mg/L	0.436	1.38%
Ni 231.604†	15714.6	0.5537 mg/L	0.00053	0.5537 mg/L	0.00053	0.09%
P 214.914†	19555.8	12.26 mg/L	0.036	12.26 mg/L	0.036	0.30%
Pb 220.353†	13529.1	1.125 mg/L	0.0049	1.125 mg/L	0.0049	0.43%
Sb 206.836†	302.3	0.1388 mg/L	0.00178	0.1388 mg/L	0.00178	1.28%

Se 196.026†	673.5	0.7622 mg/L	0.00656	0.7622 mg/L	0.00656	0.86%
Sn 189.927†	1863.1	1.178 mg/L	0.0166	1.178 mg/L	0.0166	1.41%
Sr 407.771†	603535.4	0.6336 mg/L	0.01081	0.6336 mg/L	0.01081	1.71%
Ti 337.279†	5261031.9	7.443 mg/L	0.0356	7.443 mg/L	0.0356	0.48%
Tl 190.801†	482.1	0.1712 mg/L	0.00095	0.1712 mg/L	0.00095	0.56%
V 292.402†	116564.8	0.6786 mg/L	0.00269	0.6786 mg/L	0.00269	0.40%
Zn 213.857†	112810.4	1.207 mg/L	0.0016	1.207 mg/L	0.0016	0.13%
Internal Standard Check failed. Continue with analysis.						

Sequence No.: 141
Sample ID: CJ20518-SD2 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 125
Date Collected: 10/7/2012 1:39:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	7.9	2.3	0.0039 mg/L	0.0039 mg/L	01:41:22
1	Fe 234.349†	95353.5	77208.1	66.17 mg/L	66.17 mg/L	01:41:12
1	K 766.490†	8763.6	6926.7	3.923 mg/L	3.923 mg/L	01:41:22
1	Li 670.784†	1752.2	1594.1	0.0498 mg/L	0.0498 mg/L	01:41:22
1	Na 589.592†	34968.1	28161.2	4.708 mg/L	4.708 mg/L	01:41:12
1	Sr 407.771†	387045.8	313238.4	0.3291 mg/L	0.3291 mg/L	01:41:12
1	Y 371.029	3059375.7	3059375.7	1.24 mg/L		01:41:42
1	Ag 328.068†	695.4	-821.2	-0.0034 mg/L	-0.0034 mg/L	01:41:44
1	Al 237.313†	259458.2	210196.3	27.13 mg/L	27.13 mg/L	01:41:44
1	As 188.979†	12.0	6.8	0.0377 mg/L	0.0377 mg/L	01:41:54
1	B 182.528†	0.4	-2.3	0.0008 mg/L	0.0008 mg/L	01:41:54
1	Ba 233.527†	40443.7	32799.4	0.4519 mg/L	0.4519 mg/L	01:41:44
1	Be 313.107†	5767.4	5185.4	0.0029 mg/L	0.0029 mg/L	01:41:44
1	Ca 315.887†	4372493.9	3540012.9	33.33 mg/L	33.33 mg/L	01:41:39
1	Cd 228.802†	108.4	24.9	0.0008 mg/L	0.0008 mg/L	01:41:54
1	Co 228.616†	1134.8	983.6	0.0198 mg/L	0.0198 mg/L	01:41:54
1	Cr 267.716†	4014.5	2842.0	0.0281 mg/L	0.0281 mg/L	01:41:44
1	Cu 324.752†	22281.6	16806.9	0.0922 mg/L	0.0922 mg/L	01:41:44
1	Fe 238.204†	8623799.2	6982052.8	59.00 mg/L	59.00 mg/L	01:41:39
1	Mg 279.077†	145585.7	117737.7	10.35 mg/L	10.35 mg/L	01:41:44
1	Mn 257.610†	1535875.6	1242344.6	2.194 mg/L	2.194 mg/L	01:41:42
1	Mo 202.031†	242.2	169.0	-0.0119 mg/L	-0.0119 mg/L	01:41:54
1	Ni 231.604†	1358.9	1119.0	0.0359 mg/L	0.0359 mg/L	01:41:54
1	P 214.914†	6553.3	4963.1	3.135 mg/L	3.135 mg/L	01:41:54
1	Pb 220.353†	4534.3	3613.1	0.3001 mg/L	0.3001 mg/L	01:41:54
1	Sb 206.836†	52.9	6.0	-0.0254 mg/L	-0.0254 mg/L	01:41:54
1	Se 196.026†	-23.7	-19.2	0.0080 mg/L	0.0080 mg/L	01:41:54
1	Sn 189.927†	-196.4	-161.9	0.1542 mg/L	0.1542 mg/L	01:41:54
1	Ti 337.279†	969646.0	785527.5	1.109 mg/L	1.109 mg/L	01:41:42
1	Tl 190.801†	17.7	12.3	-0.0352 mg/L	-0.0352 mg/L	01:41:54
1	V 292.402†	15798.3	13474.1	0.0691 mg/L	0.0691 mg/L	01:41:44
1	Zn 213.857†	34238.9	26920.2	0.2880 mg/L	0.2880 mg/L	01:41:44
2	B 249.677†	17.8	10.1	0.0085 mg/L	0.0085 mg/L	01:41:34
2	Fe 234.349†	93175.3	74803.8	64.11 mg/L	64.11 mg/L	01:41:24
2	K 766.490†	8713.9	6826.5	3.869 mg/L	3.869 mg/L	01:41:34
2	Li 670.784†	1736.6	1569.5	0.0491 mg/L	0.0491 mg/L	01:41:34
2	Na 589.592†	34388.7	27455.5	4.592 mg/L	4.592 mg/L	01:41:24
2	Sr 407.771†	378580.9	303781.3	0.3191 mg/L	0.3191 mg/L	01:41:24
2	Y 371.029	3085585.4	3085585.4	1.25 mg/L		01:42:00
2	Ag 328.068†	750.1	-782.1	-0.0032 mg/L	-0.0032 mg/L	01:42:02
2	Al 237.313†	255829.2	205498.8	26.52 mg/L	26.52 mg/L	01:42:02
2	As 188.979†	18.6	11.9	0.0433 mg/L	0.0433 mg/L	01:42:12
2	B 182.528†	3.8	0.4	0.0062 mg/L	0.0062 mg/L	01:42:12
2	Ba 233.527†	39943.6	32119.8	0.4425 mg/L	0.4425 mg/L	01:42:02
2	Be 313.107†	5731.3	5116.7	0.0029 mg/L	0.0029 mg/L	01:42:02
2	Ca 315.887†	4324727.3	3471596.4	32.69 mg/L	32.69 mg/L	01:41:57
2	Cd 228.802†	108.9	24.6	0.0008 mg/L	0.0008 mg/L	01:42:12
2	Co 228.616†	1113.7	958.9	0.0192 mg/L	0.0192 mg/L	01:42:12
2	Cr 267.716†	3902.3	2724.2	0.0268 mg/L	0.0268 mg/L	01:42:02
2	Cu 324.752†	21915.2	16359.5	0.0897 mg/L	0.0897 mg/L	01:42:02
2	Fe 238.204†	8535989.5	6852253.6	57.90 mg/L	57.90 mg/L	01:41:57
2	Mg 279.077†	143913.3	115394.0	10.15 mg/L	10.15 mg/L	01:42:02
2	Mn 257.610†	1524427.5	1222591.8	2.159 mg/L	2.159 mg/L	01:42:00

2	Mo 202.031†	219.2	148.9	-0.0123 mg/L	-0.0123 mg/L	01:42:12
2	Ni 231.604†	1322.5	1080.5	0.0345 mg/L	0.0345 mg/L	01:42:12
2	P 214.914†	6423.7	4814.1	3.041 mg/L	3.041 mg/L	01:42:12
2	Pb 220.353†	4465.6	3526.7	0.2928 mg/L	0.2928 mg/L	01:42:12
2	Sb 206.836†	54.6	7.0	-0.0236 mg/L	-0.0236 mg/L	01:42:12
2	Se 196.026†	-19.7	-15.9	0.0104 mg/L	0.0104 mg/L	01:42:12
2	Sn 189.927†	-198.8	-162.4	0.1481 mg/L	0.1481 mg/L	01:42:12
2	Ti 337.279†	957901.2	769430.6	1.087 mg/L	1.087 mg/L	01:42:00
2	Tl 190.801†	12.3	7.9	-0.0371 mg/L	-0.0371 mg/L	01:42:12
2	V 292.402†	15443.9	13080.9	0.0670 mg/L	0.0670 mg/L	01:42:02
2	Zn 213.857†	33922.0	26430.3	0.2827 mg/L	0.2827 mg/L	01:42:02

Mean Data: CJ20518-SD2 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3072480.5	1.24	mg/L	0.007			0.60%
Ag 328.068†	-801.6	-0.0033	mg/L	0.00012	-0.0033 mg/L	0.00012	3.72%
Al 237.313†	207847.5	26.83	mg/L	0.429	26.83 mg/L	0.429	1.60%
As 188.979†	9.3	0.0405	mg/L	0.00396	0.0405 mg/L	0.00396	9.76%
B 182.528†	-1.0	0.0035	mg/L	0.00378	0.0035 mg/L	0.00378	108.51%
B 249.677†	6.2	0.0062	mg/L	0.00323	0.0062 mg/L	0.00323	52.27%
Ba 233.527†	32459.6	0.4472	mg/L	0.00665	0.4472 mg/L	0.00665	1.49%
Be 313.107†	5151.1	0.0029	mg/L	0.00003	0.0029 mg/L	0.00003	1.00%
Ca 315.887†	3505804.6	33.01	mg/L	0.456	33.01 mg/L	0.456	1.38%
Cd 228.802†	24.8	0.0008	mg/L	0.00003	0.0008 mg/L	0.00003	3.49%
Co 228.616†	971.3	0.0195	mg/L	0.00041	0.0195 mg/L	0.00041	2.09%
Cr 267.716†	2783.1	0.0275	mg/L	0.00092	0.0275 mg/L	0.00092	3.34%
Cu 324.752†	16583.2	0.0909	mg/L	0.00179	0.0909 mg/L	0.00179	1.97%
Fe 234.349†	76006.0	65.14	mg/L	1.457	65.14 mg/L	1.457	2.24%
Fe 238.204†	6917153.2	58.45	mg/L	0.776	58.45 mg/L	0.776	1.33%
K 766.490†	6876.6	3.896	mg/L	0.0381	3.896 mg/L	0.0381	0.98%
Li 670.784†	1581.8	0.0494	mg/L	0.00054	0.0494 mg/L	0.00054	1.09%
Mg 279.077†	116565.8	10.25	mg/L	0.146	10.25 mg/L	0.146	1.43%
Mn 257.610†	1232468.2	2.176	mg/L	0.0247	2.176 mg/L	0.0247	1.13%
Mo 202.031†	158.9	-0.0121	mg/L	0.00030	-0.0121 mg/L	0.00030	2.52%
Na 589.592†	27808.4	4.650	mg/L	0.0816	4.650 mg/L	0.0816	1.76%
Ni 231.604†	1099.8	0.0352	mg/L	0.00097	0.0352 mg/L	0.00097	2.75%
P 214.914†	4888.6	3.088	mg/L	0.0661	3.088 mg/L	0.0661	2.14%
Pb 220.353†	3569.9	0.2964	mg/L	0.00515	0.2964 mg/L	0.00515	1.74%
Sb 206.836†	6.5	-0.0245	mg/L	0.00127	-0.0245 mg/L	0.00127	5.16%
Se 196.026†	-17.5	0.0092	mg/L	0.00168	0.0092 mg/L	0.00168	18.21%
Sn 189.927†	-162.2	0.1511	mg/L	0.00434	0.1511 mg/L	0.00434	2.87%
Sr 407.771†	308509.9	0.3241	mg/L	0.00702	0.3241 mg/L	0.00702	2.16%
Ti 337.279†	777479.0	1.098	mg/L	0.0161	1.098 mg/L	0.0161	1.47%
Tl 190.801†	10.1	-0.0361	mg/L	0.00135	-0.0361 mg/L	0.00135	3.72%
V 292.402†	13277.5	0.0680	mg/L	0.00146	0.0680 mg/L	0.00146	2.15%
Zn 213.857†	26675.3	0.2853	mg/L	0.00372	0.2853 mg/L	0.00372	1.30%

Sequence No.: 142

Sample ID: CJ20518-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 126

Date Collected: 10/7/2012 1:43:50 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	969.2	733.2	0.4284 mg/L	0.4284 mg/L	01:45:34
1	Fe 234.349†	369873.9	281419.1	241.1 mg/L	241.1 mg/L	01:45:32
1	K 766.490†	87958.3	66753.1	36.10 mg/L	36.10 mg/L	01:45:34
1	Li 670.784†	27065.5	20767.8	0.6421 mg/L	0.6421 mg/L	01:45:34
1	Na 589.592†	313166.2	238117.5	39.05 mg/L	39.05 mg/L	01:45:32
1	Sr 407.771†	1605645.1	1221501.6	1.282 mg/L	1.282 mg/L	01:45:32
1	Y 371.029	3255637.5	3255637.5	1.31 mg/L		01:45:49
1	Ag 328.068†	33504.5	24107.2	0.2223 mg/L	0.2223 mg/L	01:45:52
1	Al 237.313†	1093712.8	832263.5	107.4 mg/L	107.4 mg/L	01:45:49
1	As 188.979†	535.7	404.6	0.6065 mg/L	0.6065 mg/L	01:46:02
1	B 182.528†	331.1	249.3	0.4918 mg/L	0.4918 mg/L	01:46:02
1	Ba 233.527†	205002.6	156027.7	2.157 mg/L	2.157 mg/L	01:45:52
1	Be 313.107†	112769.4	86314.9	0.0514 mg/L	0.0514 mg/L	01:45:52

1	Ca	315.887†	17957351.1	13662446.2	128.7	mg/L	128.7	mg/L	01:45:46
1	Cd	228.802†	7796.9	5869.3	0.2056	mg/L	0.2056	mg/L	01:46:02
1	Co	228.616†	26445.8	20185.8	0.4951	mg/L	0.4951	mg/L	01:46:02
1	Cr	267.716†	64861.8	48940.8	0.5363	mg/L	0.5363	mg/L	01:45:52
1	Cu	324.752†	191186.3	144228.1	0.8125	mg/L	0.8125	mg/L	01:45:52
1	Fe	238.204†	28447391.7	21643641.2	182.9	mg/L	182.9	mg/L	01:45:46
1	Mg	279.077†	632219.9	480880.7	42.40	mg/L	42.40	mg/L	01:45:49
1	Mn	257.610†	6388614.8	4859519.5	8.589	mg/L	8.589	mg/L	01:45:49
1	Mo	202.031†	10834.5	8216.2	0.3622	mg/L	0.3622	mg/L	01:46:02
1	Ni	231.604†	21231.6	16172.5	0.5700	mg/L	0.5700	mg/L	01:45:52
1	P	214.914†	35455.6	26633.2	16.42	mg/L	16.42	mg/L	01:46:02
1	Pb	220.353†	23670.3	17951.0	1.513	mg/L	1.513	mg/L	01:46:02
1	Sb	206.836†	824.1	590.2	0.3895	mg/L	0.3895	mg/L	01:46:02
1	Se	196.026†	1112.8	846.6	0.9222	mg/L	0.9222	mg/L	01:46:02
1	Sn	189.927†	2576.9	1957.7	1.145	mg/L	1.145	mg/L	01:46:02
1	Ti	337.279†	4372475.0	3327195.3	4.706	mg/L	4.706	mg/L	01:45:49
1	Tl	190.801†	749.4	568.2	0.2455	mg/L	0.2455	mg/L	01:46:02
1	V	292.402†	156339.0	119631.4	0.7042	mg/L	0.7042	mg/L	01:45:52
1	Zn	213.857†	181607.4	137372.3	1.471	mg/L	1.471	mg/L	01:45:52
2	B	249.677†	982.0	737.8	0.4311	mg/L	0.4311	mg/L	01:45:39
2	Fe	234.349†	367853.8	277930.1	238.1	mg/L	238.1	mg/L	01:45:37
2	K	766.490†	88466.3	66670.2	36.06	mg/L	36.06	mg/L	01:45:39
2	Li	670.784†	27235.4	20752.6	0.6416	mg/L	0.6416	mg/L	01:45:39
2	Na	589.592†	312156.8	235693.1	38.65	mg/L	38.65	mg/L	01:45:37
2	Sr	407.771†	1597209.1	1206607.6	1.266	mg/L	1.266	mg/L	01:45:37
2	Y	371.029	3278503.3	3278503.3	1.32	mg/L			01:46:10
2	Ag	328.068†	33851.8	24191.8	0.2228	mg/L	0.2228	mg/L	01:46:12
2	Al	237.313†	1099860.2	831104.4	107.3	mg/L	107.3	mg/L	01:46:10
2	As	188.979†	542.1	406.5	0.6077	mg/L	0.6077	mg/L	01:46:22
2	B	182.528†	326.3	243.9	0.4813	mg/L	0.4813	mg/L	01:46:22
2	Ba	233.527†	207688.8	156969.4	2.170	mg/L	2.170	mg/L	01:46:12
2	Be	313.107†	114080.2	86706.8	0.0517	mg/L	0.0517	mg/L	01:46:12
2	Ca	315.887†	18011340.5	13607947.5	128.2	mg/L	128.2	mg/L	01:46:06
2	Cd	228.802†	7785.9	5819.7	0.2039	mg/L	0.2039	mg/L	01:46:22
2	Co	228.616†	26490.5	20079.2	0.4924	mg/L	0.4924	mg/L	01:46:22
2	Cr	267.716†	65618.9	49168.7	0.5388	mg/L	0.5388	mg/L	01:46:12
2	Cu	324.752†	193102.5	144661.4	0.8150	mg/L	0.8150	mg/L	01:46:12
2	Fe	238.204†	28523104.9	21549890.7	182.1	mg/L	182.1	mg/L	01:46:06
2	Mg	279.077†	636001.6	480383.1	42.36	mg/L	42.36	mg/L	01:46:10
2	Mn	257.610†	6425013.6	4853119.2	8.578	mg/L	8.578	mg/L	01:46:10
2	Mo	202.031†	10860.6	8178.4	0.3611	mg/L	0.3611	mg/L	01:46:22
2	Ni	231.604†	21530.6	16285.8	0.5740	mg/L	0.5740	mg/L	01:46:12
2	P	214.914†	35564.5	26527.3	16.35	mg/L	16.35	mg/L	01:46:22
2	Pb	220.353†	23779.6	17908.1	1.510	mg/L	1.510	mg/L	01:46:22
2	Sb	206.836†	818.1	581.3	0.3834	mg/L	0.3834	mg/L	01:46:22
2	Se	196.026†	1128.6	852.6	0.9268	mg/L	0.9268	mg/L	01:46:22
2	Sn	189.927†	2581.9	1947.9	1.134	mg/L	1.134	mg/L	01:46:22
2	Ti	337.279†	4399098.6	3324107.9	4.702	mg/L	4.702	mg/L	01:46:10
2	Tl	190.801†	766.3	576.9	0.2533	mg/L	0.2533	mg/L	01:46:22
2	V	292.402†	158393.5	120354.0	0.7093	mg/L	0.7093	mg/L	01:46:12
2	Zn	213.857†	183668.3	137965.7	1.478	mg/L	1.478	mg/L	01:46:12

Mean Data: CJ20518-PDS2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3267070.4	1.32 mg/L	0.007			0.49%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 131.9%						
Ag 328.068†	24149.5	0.2225 mg/L	0.00035	0.2225 mg/L	0.00035	0.16%
Al 237.313†	831683.9	107.4 mg/L	0.11	107.4 mg/L	0.11	0.10%
As 188.979†	405.6	0.6071 mg/L	0.00081	0.6071 mg/L	0.00081	0.13%
B 182.528†	246.6	0.4866 mg/L	0.00741	0.4866 mg/L	0.00741	1.52%
B 249.677†	735.5	0.4298 mg/L	0.00188	0.4298 mg/L	0.00188	0.44%
Ba 233.527†	156498.6	2.163 mg/L	0.0092	2.163 mg/L	0.0092	0.43%
Be 313.107†	86510.8	0.0516 mg/L	0.00017	0.0516 mg/L	0.00017	0.32%
Ca 315.887†	13635196.8	128.4 mg/L	0.36	128.4 mg/L	0.36	0.28%
Cd 228.802†	5844.5	0.2048 mg/L	0.00125	0.2048 mg/L	0.00125	0.61%
Co 228.616†	20132.5	0.4938 mg/L	0.00189	0.4938 mg/L	0.00189	0.38%
Cr 267.716†	49054.7	0.5375 mg/L	0.00177	0.5375 mg/L	0.00177	0.33%
Cu 324.752†	144444.8	0.8137 mg/L	0.00172	0.8137 mg/L	0.00172	0.21%
Fe 234.349†	279674.6	239.6 mg/L	2.11	239.6 mg/L	2.11	0.88%
Fe 238.204†	21596765.9	182.5 mg/L	0.56	182.5 mg/L	0.56	0.31%
K 766.490†	66711.7	36.08 mg/L	0.032	36.08 mg/L	0.032	0.09%

Li 670.784†	20760.2	0.6419 mg/L	0.00033	0.6419 mg/L	0.00033	0.05%
Mg 279.077†	480631.9	42.38 mg/L	0.031	42.38 mg/L	0.031	0.07%
Mn 257.610†	4856319.3	8.584 mg/L	0.0080	8.584 mg/L	0.0080	0.09%
Mo 202.031†	8197.3	0.3616 mg/L	0.00077	0.3616 mg/L	0.00077	0.21%
Na 589.592†	236905.3	38.85 mg/L	0.280	38.85 mg/L	0.280	0.72%
Ni 231.604†	16229.2	0.5720 mg/L	0.00284	0.5720 mg/L	0.00284	0.50%
P 214.914†	26580.2	16.39 mg/L	0.050	16.39 mg/L	0.050	0.30%
Pb 220.353†	17929.6	1.512 mg/L	0.0026	1.512 mg/L	0.0026	0.17%
Sb 206.836†	585.8	0.3865 mg/L	0.00435	0.3865 mg/L	0.00435	1.13%
Se 196.026†	849.6	0.9245 mg/L	0.00326	0.9245 mg/L	0.00326	0.35%
Sn 189.927†	1952.8	1.140 mg/L	0.0078	1.140 mg/L	0.0078	0.68%
Sr 407.771†	1214054.6	1.274 mg/L	0.0110	1.274 mg/L	0.0110	0.87%
Ti 337.279†	3325651.6	4.704 mg/L	0.0031	4.704 mg/L	0.0031	0.07%
Tl 190.801†	572.6	0.2494 mg/L	0.00552	0.2494 mg/L	0.00552	2.21%
V 292.402†	119992.7	0.7067 mg/L	0.00360	0.7067 mg/L	0.00360	0.51%
Zn 213.857†	137669.0	1.474 mg/L	0.0045	1.474 mg/L	0.0045	0.30%
Internal Standard Check failed. Continue with analysis.						

Sequence No.: 143
Sample ID: 1210145-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 127
Date Collected: 10/7/2012 1:48:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210145-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	5.9	0.6	0.0026 mg/L	0.0026 mg/L	01:49:45
1	Fe 234.349†	459752.6	375879.9	322.1 mg/L	322.1 mg/L	01:49:43
1	K 766.490†	41051.0	33392.8	18.16 mg/L	18.16 mg/L	01:49:45
1	Li 670.784†	11123.4	9269.5	0.2869 mg/L	0.2869 mg/L	01:49:45
1	Na 589.592†	38995.8	31730.7	5.292 mg/L	5.292 mg/L	01:49:45
1	Sr 407.771†	418517.2	342030.9	0.3593 mg/L	0.3593 mg/L	01:49:43
1	Y 371.029	3029763.6	3029763.6	1.22 mg/L		01:49:59
1	Ag 328.068†	-1402.1	-2530.5	0.0018 mg/L	0.0018 mg/L	01:50:01
1	Al 237.313†	1642439.8	1342916.5	173.4 mg/L	173.4 mg/L	01:49:59
1	As 188.979†	92.3	72.5	0.2266 mg/L	0.2266 mg/L	01:50:12
1	B 182.528†	27.5	19.8	0.0441 mg/L	0.0441 mg/L	01:50:12
1	Ba 233.527†	55616.0	45523.7	0.6278 mg/L	0.6278 mg/L	01:50:01
1	Be 313.107†	12295.9	10568.4	0.0062 mg/L	0.0062 mg/L	01:50:01
1	Ca 315.887†	13818463.9	11297237.0	106.4 mg/L	106.4 mg/L	01:49:56
1	Cd 228.802†	325.9	203.6	0.0067 mg/L	0.0067 mg/L	01:50:12
1	Co 228.616†	6770.5	5600.1	0.1253 mg/L	0.1253 mg/L	01:50:12
1	Cr 267.716†	30267.0	24336.6	0.2648 mg/L	0.2648 mg/L	01:50:01
1	Cu 324.752†	75429.1	60434.4	0.3420 mg/L	0.3420 mg/L	01:50:01
1	Fe 238.204†	33490167.5	27379980.9	231.4 mg/L	231.4 mg/L	01:49:56
1	Mg 279.077†	961422.1	785883.0	69.29 mg/L	69.29 mg/L	01:49:59
1	Mn 257.610†	3319058.9	2712353.3	4.793 mg/L	4.793 mg/L	01:49:59
1	Mo 202.031†	474.6	360.9	-0.0815 mg/L	-0.0815 mg/L	01:50:12
1	Ni 231.604†	8537.2	6998.4	0.2443 mg/L	0.2443 mg/L	01:50:12
1	P 214.914†	21273.2	17049.3	10.92 mg/L	10.92 mg/L	01:50:12
1	Pb 220.353†	15149.5	12327.4	1.010 mg/L	1.010 mg/L	01:50:12
1	Sb 206.836†	118.7	60.2	-0.0930 mg/L	-0.0930 mg/L	01:50:12
1	Se 196.026†	-101.2	-82.8	0.0555 mg/L	0.0555 mg/L	01:50:12
1	Sn 189.927†	-360.8	-297.8	0.8718 mg/L	0.8718 mg/L	01:50:12
1	Ti 337.279†	5534191.6	4524979.0	6.401 mg/L	6.401 mg/L	01:49:59
1	Tl 190.801†	22.6	16.5	-0.1862 mg/L	-0.1862 mg/L	01:50:12
1	V 292.402†	90971.2	75057.3	0.4036 mg/L	0.4036 mg/L	01:50:01
1	Zn 213.857†	239047.9	194634.3	2.090 mg/L	2.090 mg/L	01:50:01
2	B 249.677†	9.6	3.6	0.0044 mg/L	0.0044 mg/L	01:49:49
2	Fe 234.349†	461386.6	374473.6	320.9 mg/L	320.9 mg/L	01:49:47
2	K 766.490†	40191.9	32451.6	17.65 mg/L	17.65 mg/L	01:49:49
2	Li 670.784†	10961.5	9072.0	0.2808 mg/L	0.2808 mg/L	01:49:49
2	Na 589.592†	38404.7	31019.2	5.175 mg/L	5.175 mg/L	01:49:49
2	Sr 407.771†	420282.9	340976.5	0.3582 mg/L	0.3582 mg/L	01:49:47
2	Y 371.029	3051950.8	3051950.8	1.23 mg/L		01:50:19
2	Ag 328.068†	-1433.5	-2547.7	0.0016 mg/L	0.0016 mg/L	01:50:22
2	Al 237.313†	1654550.5	1342983.9	173.4 mg/L	173.4 mg/L	01:50:19
2	As 188.979†	84.0	65.2	0.2170 mg/L	0.2170 mg/L	01:50:32
2	B 182.528†	22.8	15.9	0.0363 mg/L	0.0363 mg/L	01:50:32
2	Ba 233.527†	56297.6	45746.3	0.6309 mg/L	0.6309 mg/L	01:50:22

2	Be 313.107†	12507.5	10667.1	0.0062 mg/L	0.0062 mg/L	01:50:22
2	Ca 315.887†	13732527.3	11145359.6	105.0 mg/L	105.0 mg/L	01:50:16
2	Cd 228.802†	307.4	186.6	0.0062 mg/L	0.0062 mg/L	01:50:32
2	Co 228.616†	6725.7	5523.5	0.1234 mg/L	0.1234 mg/L	01:50:32
2	Cr 267.716†	30518.5	24360.8	0.2651 mg/L	0.2651 mg/L	01:50:22
2	Cu 324.752†	76691.0	61010.3	0.3453 mg/L	0.3453 mg/L	01:50:22
2	Fe 238.204†	33331637.5	27052266.9	228.6 mg/L	228.6 mg/L	01:50:16
2	Mg 279.077†	969176.3	786462.2	69.34 mg/L	69.34 mg/L	01:50:19
2	Mn 257.610†	3340463.4	2709998.7	4.789 mg/L	4.789 mg/L	01:50:19
2	Mo 202.031†	441.6	331.3	-0.0827 mg/L	-0.0827 mg/L	01:50:32
2	Ni 231.604†	8484.3	6904.8	0.2409 mg/L	0.2409 mg/L	01:50:32
2	P 214.914†	21116.9	16796.1	10.77 mg/L	10.77 mg/L	01:50:32
2	Pb 220.353†	15005.5	12120.5	0.9918 mg/L	0.9918 mg/L	01:50:32
2	Sb 206.836†	127.9	67.0	-0.0868 mg/L	-0.0868 mg/L	01:50:32
2	Se 196.026†	-104.1	-84.6	0.0532 mg/L	0.0532 mg/L	01:50:32
2	Sn 189.927†	-410.5	-336.0	0.8597 mg/L	0.8597 mg/L	01:50:32
2	Ti 337.279†	5569193.2	4520494.3	6.395 mg/L	6.395 mg/L	01:50:19
2	Tl 190.801†	25.5	18.7	-0.1840 mg/L	-0.1840 mg/L	01:50:32
2	V 292.402†	92145.1	75469.3	0.4064 mg/L	0.4064 mg/L	01:50:22
2	Zn 213.857†	241966.4	195582.2	2.100 mg/L	2.100 mg/L	01:50:22

Mean Data: 1210145-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3040857.2	1.23	mg/L	0.006			0.52%
Ag 328.068†	-2539.1	0.0017	mg/L	0.00017	0.0017 mg/L	0.00017	9.79%
Al 237.313†	1342950.2	173.4	mg/L	0.01	173.4 mg/L	0.01	0.00%
As 188.979†	68.8	0.2218	mg/L	0.00676	0.2218 mg/L	0.00676	3.05%
B 182.528†	17.9	0.0402	mg/L	0.00547	0.0402 mg/L	0.00547	13.61%
B 249.677†	2.1	0.0035	mg/L	0.00125	0.0035 mg/L	0.00125	35.45%
Ba 233.527†	45635.0	0.6294	mg/L	0.00218	0.6294 mg/L	0.00218	0.35%
Be 313.107†	10617.8	0.0062	mg/L	0.00004	0.0062 mg/L	0.00004	0.67%
Ca 315.887†	11221298.3	105.7	mg/L	1.01	105.7 mg/L	1.01	0.96%
Cd 228.802†	195.1	0.0065	mg/L	0.00040	0.0065 mg/L	0.00040	6.14%
Co 228.616†	5561.8	0.1244	mg/L	0.00135	0.1244 mg/L	0.00135	1.09%
Cr 267.716†	24348.7	0.2650	mg/L	0.00019	0.2650 mg/L	0.00019	0.07%
Cu 324.752†	60722.3	0.3436	mg/L	0.00229	0.3436 mg/L	0.00229	0.67%
Fe 234.349†	375176.7	321.5	mg/L	0.85	321.5 mg/L	0.85	0.26%
Fe 238.204†	27216123.9	230.0	mg/L	1.96	230.0 mg/L	1.96	0.85%
K 766.490†	32922.2	17.90	mg/L	0.358	17.90 mg/L	0.358	2.00%
Li 670.784†	9170.7	0.2839	mg/L	0.00431	0.2839 mg/L	0.00431	1.52%
Mg 279.077†	786172.6	69.32	mg/L	0.036	69.32 mg/L	0.036	0.05%
Mn 257.610†	2711176.0	4.791	mg/L	0.0029	4.791 mg/L	0.0029	0.06%
Mo 202.031†	346.1	-0.0821	mg/L	0.00085	-0.0821 mg/L	0.00085	1.04%
Na 589.592†	31375.0	5.233	mg/L	0.0823	5.233 mg/L	0.0823	1.57%
Ni 231.604†	6951.6	0.2426	mg/L	0.00235	0.2426 mg/L	0.00235	0.97%
P 214.914†	16922.7	10.85	mg/L	0.109	10.85 mg/L	0.109	1.00%
Pb 220.353†	12224.0	1.001	mg/L	0.0126	1.001 mg/L	0.0126	1.26%
Sb 206.836†	63.6	-0.0899	mg/L	0.00441	-0.0899 mg/L	0.00441	4.91%
Se 196.026†	-83.7	0.0544	mg/L	0.00159	0.0544 mg/L	0.00159	2.92%
Sn 189.927†	-316.9	0.8657	mg/L	0.00860	0.8657 mg/L	0.00860	0.99%
Sr 407.771†	341503.7	0.3587	mg/L	0.00078	0.3587 mg/L	0.00078	0.22%
Ti 337.279†	4522736.7	6.398	mg/L	0.0045	6.398 mg/L	0.0045	0.07%
Tl 190.801†	17.6	-0.1851	mg/L	0.00158	-0.1851 mg/L	0.00158	0.85%
V 292.402†	75263.3	0.4050	mg/L	0.00198	0.4050 mg/L	0.00198	0.49%
Zn 213.857†	195108.2	2.095	mg/L	0.0072	2.095 mg/L	0.0072	0.34%

Sequence No.: 144

Sample ID: 1210146-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 128

Date Collected: 10/7/2012 1:52:10 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210146-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	10.2	4.2	0.0048 mg/L	0.0048 mg/L	01:53:52
1	Fe 234.349†	320104.4	261857.6	224.5 mg/L	224.5 mg/L	01:53:49
1	K 766.490†	22160.3	17958.8	9.857 mg/L	9.857 mg/L	01:53:52
1	Li 670.784†	7297.2	6144.7	0.1904 mg/L	0.1904 mg/L	01:53:52

1	Na	589.592†	55750.2	45454.2	7.536	mg/L	7.536	mg/L	01:53:49
1	Sr	407.771†	202459.0	165484.6	0.1741	mg/L	0.1741	mg/L	01:53:49
1	Y	371.029	3028049.6	3028049.6	1.22	mg/L			01:54:05
1	Ag	328.068†	-426.4	-1733.0	0.0011	mg/L	0.0011	mg/L	01:54:07
1	Al	237.313†	1207604.3	987972.3	127.5	mg/L	127.5	mg/L	01:54:05
1	As	188.979†	55.7	42.6	0.1484	mg/L	0.1484	mg/L	01:54:18
1	B	182.528†	25.0	17.8	0.0401	mg/L	0.0401	mg/L	01:54:18
1	Ba	233.527†	40883.8	33498.2	0.4615	mg/L	0.4615	mg/L	01:54:07
1	Be	313.107†	10019.1	8711.7	0.0051	mg/L	0.0051	mg/L	01:54:07
1	Ca	315.887†	3736171.4	3056112.2	28.78	mg/L	28.78	mg/L	01:54:05
1	Cd	228.802†	206.4	106.0	0.0035	mg/L	0.0035	mg/L	01:54:18
1	Co	228.616†	5273.4	4378.6	0.0991	mg/L	0.0991	mg/L	01:54:18
1	Cr	267.716†	22230.9	17776.9	0.1926	mg/L	0.1926	mg/L	01:54:07
1	Cu	324.752†	158352.3	128302.2	0.7224	mg/L	0.7224	mg/L	01:54:07
1	Fe	238.204†	26833969.5	21950574.5	185.5	mg/L	185.5	mg/L	01:54:02
1	Mg	279.077†	599483.3	490254.6	43.21	mg/L	43.21	mg/L	01:54:05
1	Mn	257.610†	2551191.1	2085757.8	3.685	mg/L	3.685	mg/L	01:54:05
1	Mo	202.031†	362.4	269.4	-0.0562	mg/L	-0.0562	mg/L	01:54:07
1	Ni	231.604†	6873.7	5641.6	0.1962	mg/L	0.1962	mg/L	01:54:07
1	P	214.914†	15020.0	11944.0	7.649	mg/L	7.649	mg/L	01:54:07
1	Pb	220.353†	7951.2	6446.1	0.5154	mg/L	0.5154	mg/L	01:54:18
1	Sb	206.836†	95.1	41.0	-0.0660	mg/L	-0.0660	mg/L	01:54:18
1	Se	196.026†	-70.8	-58.0	0.0379	mg/L	0.0379	mg/L	01:54:18
1	Sn	189.927†	-178.0	-148.5	0.6199	mg/L	0.6199	mg/L	01:54:18
1	Ti	337.279†	3565068.1	2916757.2	4.125	mg/L	4.125	mg/L	01:54:05
1	Tl	190.801†	9.1	5.5	-0.1349	mg/L	-0.1349	mg/L	01:54:18
1	V	292.402†	69601.8	57618.7	0.3142	mg/L	0.3142	mg/L	01:54:07
1	Zn	213.857†	142354.8	115648.0	1.240	mg/L	1.240	mg/L	01:54:07
2	B	249.677†	18.4	10.9	0.0087	mg/L	0.0087	mg/L	01:53:56
2	Fe	234.349†	322497.8	265258.5	227.4	mg/L	227.4	mg/L	01:53:54
2	K	766.490†	21837.1	17792.2	9.767	mg/L	9.767	mg/L	01:53:56
2	Li	670.784†	7259.0	6146.0	0.1904	mg/L	0.1904	mg/L	01:53:56
2	Na	589.592†	56073.7	45969.7	7.621	mg/L	7.621	mg/L	01:53:54
2	Sr	407.771†	203919.1	167591.4	0.1763	mg/L	0.1763	mg/L	01:53:54
2	Y	371.029	3011577.4	3011577.4	1.22	mg/L			01:54:25
2	Ag	328.068†	-391.4	-1706.1	0.0015	mg/L	0.0015	mg/L	01:54:27
2	Al	237.313†	1201308.6	988197.3	127.6	mg/L	127.6	mg/L	01:54:25
2	As	188.979†	69.7	54.4	0.1644	mg/L	0.1644	mg/L	01:54:37
2	B	182.528†	32.8	24.3	0.0528	mg/L	0.0528	mg/L	01:54:37
2	Ba	233.527†	41016.3	33790.1	0.4655	mg/L	0.4655	mg/L	01:54:27
2	Be	313.107†	10142.0	8857.6	0.0051	mg/L	0.0051	mg/L	01:54:27
2	Ca	315.887†	3707857.7	3049540.9	28.71	mg/L	28.71	mg/L	01:54:25
2	Cd	228.802†	190.1	93.5	0.0030	mg/L	0.0030	mg/L	01:54:37
2	Co	228.616†	5265.0	4395.3	0.0995	mg/L	0.0995	mg/L	01:54:37
2	Cr	267.716†	22493.6	18092.5	0.1961	mg/L	0.1961	mg/L	01:54:27
2	Cu	324.752†	159094.4	129621.1	0.7298	mg/L	0.7298	mg/L	01:54:27
2	Fe	238.204†	26703157.4	21963044.4	185.6	mg/L	185.6	mg/L	01:54:21
2	Mg	279.077†	595700.5	489825.5	43.17	mg/L	43.17	mg/L	01:54:25
2	Mn	257.610†	2535296.3	2084099.1	3.682	mg/L	3.682	mg/L	01:54:25
2	Mo	202.031†	270.1	195.1	-0.0611	mg/L	-0.0611	mg/L	01:54:27
2	Ni	231.604†	6916.3	5707.4	0.1985	mg/L	0.1985	mg/L	01:54:27
2	P	214.914†	15185.6	12147.4	7.777	mg/L	7.777	mg/L	01:54:27
2	Pb	220.353†	7946.7	6478.0	0.5181	mg/L	0.5181	mg/L	01:54:37
2	Sb	206.836†	94.5	40.9	-0.0673	mg/L	-0.0673	mg/L	01:54:37
2	Se	196.026†	-76.1	-62.7	0.0346	mg/L	0.0346	mg/L	01:54:37
2	Sn	189.927†	-169.6	-142.3	0.6298	mg/L	0.6298	mg/L	01:54:37
2	Ti	337.279†	3542634.9	2914257.0	4.122	mg/L	4.122	mg/L	01:54:25
2	Tl	190.801†	9.3	5.6	-0.1365	mg/L	-0.1365	mg/L	01:54:37
2	V	292.402†	70125.1	58360.6	0.3183	mg/L	0.3183	mg/L	01:54:27
2	Zn	213.857†	143096.7	116895.1	1.253	mg/L	1.253	mg/L	01:54:27

Mean Data: 1210146-01

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3019813.5	1.22	mg/L	0.005				0.39%
Ag 328.068†	-1719.6	0.0013	mg/L	0.00032	0.0013	mg/L	0.00032	24.59%
Al 237.313†	988084.8	127.6	mg/L	0.02	127.6	mg/L	0.02	0.02%
As 188.979†	48.5	0.1564	mg/L	0.01128	0.1564	mg/L	0.01128	7.21%
B 182.528†	21.1	0.0464	mg/L	0.00899	0.0464	mg/L	0.00899	19.37%
B 249.677†	7.6	0.0067	mg/L	0.00278	0.0067	mg/L	0.00278	41.14%
Ba 233.527†	33644.1	0.4635	mg/L	0.00285	0.4635	mg/L	0.00285	0.62%
Be 313.107†	8784.6	0.0051	mg/L	0.00006	0.0051	mg/L	0.00006	1.21%

Ca	315.887†	3052826.6	28.74 mg/L	0.044	28.74 mg/L	0.044	0.15%
Cd	228.802†	99.8	0.0032 mg/L	0.00036	0.0032 mg/L	0.00036	11.20%
Co	228.616†	4387.0	0.0993 mg/L	0.00030	0.0993 mg/L	0.00030	0.30%
Cr	267.716†	17934.7	0.1943 mg/L	0.00245	0.1943 mg/L	0.00245	1.26%
Cu	324.752†	128961.6	0.7261 mg/L	0.00525	0.7261 mg/L	0.00525	0.72%
Fe	234.349†	263558.0	225.9 mg/L	2.06	225.9 mg/L	2.06	0.91%
Fe	238.204†	21956809.4	185.6 mg/L	0.07	185.6 mg/L	0.07	0.04%
K	766.490†	17875.5	9.812 mg/L	0.0634	9.812 mg/L	0.0634	0.65%
Li	670.784†	6145.3	0.1904 mg/L	0.00003	0.1904 mg/L	0.00003	0.01%
Mg	279.077†	490040.1	43.19 mg/L	0.027	43.19 mg/L	0.027	0.06%
Mn	257.610†	2084928.5	3.684 mg/L	0.0021	3.684 mg/L	0.0021	0.06%
Mo	202.031†	232.2	-0.0587 mg/L	0.00345	-0.0587 mg/L	0.00345	5.87%
Na	589.592†	45712.0	7.579 mg/L	0.0596	7.579 mg/L	0.0596	0.79%
Ni	231.604†	5674.5	0.1973 mg/L	0.00164	0.1973 mg/L	0.00164	0.83%
P	214.914†	12045.7	7.713 mg/L	0.0903	7.713 mg/L	0.0903	1.17%
Pb	220.353†	6462.0	0.5168 mg/L	0.00193	0.5168 mg/L	0.00193	0.37%
Sb	206.836†	40.9	-0.0666 mg/L	0.00096	-0.0666 mg/L	0.00096	1.44%
Se	196.026†	-60.3	0.0363 mg/L	0.00235	0.0363 mg/L	0.00235	6.48%
Sn	189.927†	-145.4	0.6248 mg/L	0.00701	0.6248 mg/L	0.00701	1.12%
Sr	407.771†	166538.0	0.1752 mg/L	0.00156	0.1752 mg/L	0.00156	0.89%
Ti	337.279†	2915507.1	4.123 mg/L	0.0025	4.123 mg/L	0.0025	0.06%
Tl	190.801†	5.5	-0.1357 mg/L	0.00110	-0.1357 mg/L	0.00110	0.81%
V	292.402†	57989.7	0.3163 mg/L	0.00289	0.3163 mg/L	0.00289	0.91%
Zn	213.857†	116271.6	1.247 mg/L	0.0095	1.247 mg/L	0.0095	0.76%

Sequence No.: 145
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/7/2012 1:56:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	968.3	791.5	0.4624 mg/L	0.4624 mg/L	01:58:06
1	Fe 234.349†	4042.6	3327.6	2.859 mg/L	2.859 mg/L	01:58:06
1	K 766.490†	52543.8	43007.5	23.33 mg/L	23.33 mg/L	01:57:55
1	Li 670.784†	18666.9	15514.4	0.4798 mg/L	0.4798 mg/L	01:57:55
1	Na 589.592†	172640.4	141711.1	23.28 mg/L	23.28 mg/L	01:57:55
1	Sr 407.771†	56593.9	46373.2	0.0491 mg/L	0.0491 mg/L	01:57:55
1	Y 371.029	3014424.6	3014424.6	1.22 mg/L		01:58:22
1	Ag 328.068†	38616.0	30347.2	0.2570 mg/L	0.2570 mg/L	01:58:24
1	Al 237.313†	25315.4	20929.6	2.699 mg/L	2.699 mg/L	01:58:24
1	As 188.979†	510.4	416.4	0.5215 mg/L	0.5215 mg/L	01:58:35
1	B 182.528†	343.3	279.4	0.5507 mg/L	0.5507 mg/L	01:58:35
1	Ba 233.527†	46349.0	38140.2	0.5256 mg/L	0.5256 mg/L	01:58:24
1	Be 313.107†	97228.9	80410.6	0.0479 mg/L	0.0479 mg/L	01:58:24
1	Ca 315.887†	627300.1	515311.8	4.841 mg/L	4.841 mg/L	01:58:22
1	Cd 228.802†	8310.9	6766.4	0.2374 mg/L	0.2374 mg/L	01:58:35
1	Co 228.616†	24566.3	20251.5	0.5051 mg/L	0.5051 mg/L	01:58:24
1	Cr 267.716†	55990.1	45599.7	0.4996 mg/L	0.4996 mg/L	01:58:24
1	Cu 324.752†	110673.7	89709.3	0.5022 mg/L	0.5022 mg/L	01:58:24
1	Fe 238.204†	402840.7	330864.6	2.785 mg/L	2.785 mg/L	01:58:24
1	Mg 279.077†	71060.3	58256.6	5.102 mg/L	5.102 mg/L	01:58:24
1	Mn 257.610†	360374.8	294958.1	0.5188 mg/L	0.5188 mg/L	01:58:24
1	Mo 202.031†	11235.7	9205.5	0.4893 mg/L	0.4893 mg/L	01:58:35
1	Ni 231.604†	18838.5	15498.7	0.5462 mg/L	0.5462 mg/L	01:58:24
1	P 214.914†	10296.4	8118.0	4.852 mg/L	4.852 mg/L	01:58:35
1	Pb 220.353†	6947.8	5651.0	0.4820 mg/L	0.4820 mg/L	01:58:35
1	Sb 206.836†	808.6	627.6	0.5266 mg/L	0.5266 mg/L	01:58:35
1	Se 196.026†	1316.6	1081.8	1.049 mg/L	1.049 mg/L	01:58:35
1	Sn 189.927†	2835.8	2327.4	0.5319 mg/L	0.5319 mg/L	01:58:35
1	Ti 337.279†	420474.3	345970.3	0.4875 mg/L	0.4875 mg/L	01:58:22
1	Tl 190.801†	847.0	694.0	0.4750 mg/L	0.4750 mg/L	01:58:35
1	V 292.402†	96865.3	80279.0	0.5064 mg/L	0.5064 mg/L	01:58:24
1	Zn 213.857†	60787.8	49149.3	0.5234 mg/L	0.5234 mg/L	01:58:24
2	B 249.677†	982.5	808.1	0.4721 mg/L	0.4721 mg/L	01:58:18
2	Fe 234.349†	4043.3	3348.6	2.877 mg/L	2.877 mg/L	01:58:18
2	K 766.490†	53303.4	43900.4	23.81 mg/L	23.81 mg/L	01:58:08
2	Li 670.784†	18926.4	15823.1	0.4893 mg/L	0.4893 mg/L	01:58:08
2	Na 589.592†	174931.8	144475.8	23.73 mg/L	23.73 mg/L	01:58:08

2	Sr 407.771†	57350.4	47284.0	0.0501 mg/L	0.0501 mg/L	01:58:08
2	Y 371.029	2996044.0	2996044.0	1.21 mg/L		01:58:37
2	Ag 328.068†	38468.7	30420.1	0.2576 mg/L	0.2576 mg/L	01:58:39
2	Al 237.313†	24959.3	20762.8	2.678 mg/L	2.678 mg/L	01:58:39
2	As 188.979†	515.3	423.0	0.5298 mg/L	0.5298 mg/L	01:58:50
2	B 182.528†	337.4	276.3	0.5445 mg/L	0.5445 mg/L	01:58:50
2	Ba 233.527†	46131.3	38193.8	0.5264 mg/L	0.5264 mg/L	01:58:39
2	Be 313.107†	97149.8	80835.3	0.0482 mg/L	0.0482 mg/L	01:58:39
2	Ca 315.887†	623880.9	515647.3	4.844 mg/L	4.844 mg/L	01:58:37
2	Cd 228.802†	8361.8	6850.4	0.2403 mg/L	0.2403 mg/L	01:58:50
2	Co 228.616†	24418.4	20253.0	0.5051 mg/L	0.5051 mg/L	01:58:39
2	Cr 267.716†	55629.6	45583.9	0.4994 mg/L	0.4994 mg/L	01:58:39
2	Cu 324.752†	110666.2	90261.0	0.5053 mg/L	0.5053 mg/L	01:58:39
2	Fe 238.204†	396465.2	327624.5	2.758 mg/L	2.758 mg/L	01:58:39
2	Mg 279.077†	70539.5	58184.2	5.096 mg/L	5.096 mg/L	01:58:39
2	Mn 257.610†	358342.6	295094.7	0.5190 mg/L	0.5190 mg/L	01:58:39
2	Mo 202.031†	11324.8	9335.7	0.4962 mg/L	0.4962 mg/L	01:58:50
2	Ni 231.604†	18708.5	15486.2	0.5458 mg/L	0.5458 mg/L	01:58:39
2	P 214.914†	10336.3	8202.9	4.902 mg/L	4.902 mg/L	01:58:50
2	Pb 220.353†	7013.4	5740.2	0.4897 mg/L	0.4897 mg/L	01:58:50
2	Sb 206.836†	812.3	634.8	0.5326 mg/L	0.5326 mg/L	01:58:50
2	Se 196.026†	1319.8	1091.1	1.058 mg/L	1.058 mg/L	01:58:50
2	Sn 189.927†	2845.0	2349.3	0.5369 mg/L	0.5369 mg/L	01:58:50
2	Ti 337.279†	419123.5	346973.2	0.4889 mg/L	0.4889 mg/L	01:58:37
2	Tl 190.801†	849.5	700.3	0.4794 mg/L	0.4794 mg/L	01:58:50
2	V 292.402†	96488.9	80456.2	0.5075 mg/L	0.5075 mg/L	01:58:39
2	Zn 213.857†	60494.9	49213.6	0.5241 mg/L	0.5241 mg/L	01:58:39

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3005234.3	1.21 mg/L	0.005			0.43%
Ag 328.068†	30383.7	0.2573 mg/L	0.00044	0.2573 mg/L	0.00044	0.17%
QC value within limits for Ag 328.068 Recovery = 102.91%						
Al 237.313†	20846.2	2.689 mg/L	0.0152	2.689 mg/L	0.0152	0.57%
QC value within limits for Al 237.313 Recovery = 107.55%						
As 188.979†	419.7	0.5257 mg/L	0.00584	0.5257 mg/L	0.00584	1.11%
QC value within limits for As 188.979 Recovery = 105.13%						
B 182.528†	277.9	0.5476 mg/L	0.00436	0.5476 mg/L	0.00436	0.80%
QC value within limits for B 182.528 Recovery = 109.52%						
B 249.677†	799.8	0.4673 mg/L	0.00683	0.4673 mg/L	0.00683	1.46%
QC value within limits for B 249.677 Recovery = 93.45%						
Ba 233.527†	38167.0	0.5260 mg/L	0.00052	0.5260 mg/L	0.00052	0.10%
QC value within limits for Ba 233.527 Recovery = 105.20%						
Be 313.107†	80623.0	0.0480 mg/L	0.00018	0.0480 mg/L	0.00018	0.37%
QC value within limits for Be 313.107 Recovery = 96.09%						
Ca 315.887†	515479.5	4.842 mg/L	0.0022	4.842 mg/L	0.0022	0.05%
QC value within limits for Ca 315.887 Recovery = 96.85%						
Cd 228.802†	6808.4	0.2388 mg/L	0.00208	0.2388 mg/L	0.00208	0.87%
QC value within limits for Cd 228.802 Recovery = 95.54%						
Co 228.616†	20252.2	0.5051 mg/L	0.00003	0.5051 mg/L	0.00003	0.01%
QC value within limits for Co 228.616 Recovery = 101.01%						
Cr 267.716†	45591.8	0.4995 mg/L	0.00012	0.4995 mg/L	0.00012	0.02%
QC value within limits for Cr 267.716 Recovery = 99.90%						
Cu 324.752†	89985.2	0.5038 mg/L	0.00220	0.5038 mg/L	0.00220	0.44%
QC value within limits for Cu 324.752 Recovery = 100.75%						
Fe 234.349†	3338.1	2.868 mg/L	0.0127	2.868 mg/L	0.0127	0.44%
QC value greater than the upper limit for Fe 234.349 Recovery = 114.71%						
Fe 238.204†	329244.5	2.772 mg/L	0.0194	2.772 mg/L	0.0194	0.70%
QC value greater than the upper limit for Fe 238.204 Recovery = 110.87%						
K 766.490†	43453.9	23.57 mg/L	0.340	23.57 mg/L	0.340	1.44%
QC value within limits for K 766.490 Recovery = 94.28%						
Li 670.784†	15668.7	0.4846 mg/L	0.00674	0.4846 mg/L	0.00674	1.39%
QC value within limits for Li 670.784 Recovery = 96.92%						
Mg 279.077†	58220.4	5.099 mg/L	0.0045	5.099 mg/L	0.0045	0.09%
QC value within limits for Mg 279.077 Recovery = 101.97%						
Mn 257.610†	295026.4	0.5189 mg/L	0.00017	0.5189 mg/L	0.00017	0.03%
QC value within limits for Mn 257.610 Recovery = 103.78%						
Mo 202.031†	9270.6	0.4928 mg/L	0.00491	0.4928 mg/L	0.00491	1.00%
QC value within limits for Mo 202.031 Recovery = 98.56%						
Na 589.592†	143093.5	23.51 mg/L	0.320	23.51 mg/L	0.320	1.36%
QC value within limits for Na 589.592 Recovery = 94.03%						

Ni 231.604†	15492.5	0.5460 mg/L	0.00030	0.5460 mg/L	0.00030	0.06%
QC value within limits for Ni 231.604 Recovery = 109.20%						
P 214.914†	8160.5	4.877 mg/L	0.0357	4.877 mg/L	0.0357	0.73%
QC value within limits for P 214.914 Recovery = 97.54%						
Pb 220.353†	5695.6	0.4859 mg/L	0.00545	0.4859 mg/L	0.00545	1.12%
QC value within limits for Pb 220.353 Recovery = 97.17%						
Sb 206.836†	631.2	0.5296 mg/L	0.00426	0.5296 mg/L	0.00426	0.80%
QC value within limits for Sb 206.836 Recovery = 105.93%						
Se 196.026†	1086.5	1.053 mg/L	0.0064	1.053 mg/L	0.0064	0.60%
QC value within limits for Se 196.026 Recovery = 105.33%						
Sn 189.927†	2338.3	0.5344 mg/L	0.00354	0.5344 mg/L	0.00354	0.66%
QC value within limits for Sn 189.927 Recovery = 106.88%						
Sr 407.771†	46828.6	0.0496 mg/L	0.00068	0.0496 mg/L	0.00068	1.36%
QC value within limits for Sr 407.771 Recovery = 99.16%						
Ti 337.279†	346471.7	0.4882 mg/L	0.00100	0.4882 mg/L	0.00100	0.21%
QC value within limits for Ti 337.279 Recovery = 97.64%						
Tl 190.801†	697.1	0.4772 mg/L	0.00310	0.4772 mg/L	0.00310	0.65%
QC value within limits for Tl 190.801 Recovery = 95.44%						
V 292.402†	80367.6	0.5070 mg/L	0.00082	0.5070 mg/L	0.00082	0.16%
QC value within limits for V 292.402 Recovery = 101.39%						
Zn 213.857†	49181.4	0.5238 mg/L	0.00049	0.5238 mg/L	0.00049	0.09%
QC value within limits for Zn 213.857 Recovery = 104.75%						
QC Failed. Continue with analysis.						

Sequence No.: 146
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/7/2012 2:00:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	6.8	1.3	0.0034 mg/L	0.0034 mg/L	02:02:25
1	Fe 234.349†	74.1	65.3	0.0744 mg/L	0.0744 mg/L	02:02:25
1	K 766.490†	311.9	81.8	0.2412 mg/L	0.2412 mg/L	02:02:15
1	Li 670.784†	-124.3	75.6	0.0029 mg/L	0.0029 mg/L	02:02:15
1	Na 589.592†	273.7	69.3	0.1126 mg/L	0.1126 mg/L	02:02:15
1	Sr 407.771†	376.9	171.7	0.0006 mg/L	0.0006 mg/L	02:02:15
1	Y 371.029	3084107.6	3084107.6	1.25 mg/L		02:02:49
1	Ag 328.068†	1498.4	-180.8	-0.0031 mg/L	-0.0031 mg/L	02:02:51
1	Al 237.313†	84.5	195.3	0.0174 mg/L	0.0174 mg/L	02:03:01
1	As 188.979†	2.2	-1.3	0.0001 mg/L	0.0001 mg/L	02:03:01
1	B 182.528†	1.7	-1.2	0.0029 mg/L	0.0029 mg/L	02:03:01
1	Ba 233.527†	36.7	83.9	-0.0007 mg/L	-0.0007 mg/L	02:03:01
1	Be 313.107†	-250.7	314.5	0.0000 mg/L	0.0000 mg/L	02:02:51
1	Ca 315.887†	2611.9	1946.0	0.0021 mg/L	0.0021 mg/L	02:02:51
1	Cd 228.802†	90.7	10.0	0.0003 mg/L	0.0003 mg/L	02:03:01
1	Co 228.616†	-2.9	62.5	-0.0012 mg/L	-0.0012 mg/L	02:03:01
1	Cr 267.716†	538.1	23.8	-0.0029 mg/L	-0.0029 mg/L	02:02:51
1	Cu 324.752†	1932.2	318.6	-0.0015 mg/L	-0.0015 mg/L	02:02:51
1	Fe 238.204†	6680.2	5208.5	0.0323 mg/L	0.0323 mg/L	02:02:51
1	Mg 279.077†	419.6	202.1	-0.0200 mg/L	-0.0200 mg/L	02:02:51
1	Mn 257.610†	1641.5	150.2	-0.0026 mg/L	-0.0026 mg/L	02:03:01
1	Mo 202.031†	70.2	29.2	0.0013 mg/L	0.0013 mg/L	02:03:01
1	Ni 231.604†	34.7	46.6	-0.0021 mg/L	-0.0021 mg/L	02:03:01
1	P 214.914†	381.1	-36.7	0.0061 mg/L	0.0061 mg/L	02:03:01
1	Pb 220.353†	129.3	45.7	0.0000 mg/L	0.0000 mg/L	02:03:01
1	Sb 206.836†	39.6	-5.0	-0.0054 mg/L	-0.0054 mg/L	02:03:01
1	Se 196.026†	8.0	6.4	0.0047 mg/L	0.0047 mg/L	02:03:01
1	Sn 189.927†	14.1	8.4	-0.0006 mg/L	-0.0006 mg/L	02:03:01
1	Ti 337.279†	1369.2	1558.8	0.0001 mg/L	0.0001 mg/L	02:02:51
1	Tl 190.801†	9.1	5.3	-0.0008 mg/L	-0.0008 mg/L	02:03:01
1	V 292.402†	-547.0	243.8	-0.0006 mg/L	-0.0006 mg/L	02:02:51
1	Zn 213.857†	1682.3	550.0	0.0048 mg/L	0.0048 mg/L	02:03:01
2	B 249.677†	5.7	0.3	0.0028 mg/L	0.0028 mg/L	02:02:45
2	Fe 234.349†	48.2	44.0	0.0562 mg/L	0.0562 mg/L	02:02:45
2	K 766.490†	295.6	66.0	0.2327 mg/L	0.2327 mg/L	02:02:35
2	Li 670.784†	-135.1	68.1	0.0027 mg/L	0.0027 mg/L	02:02:35
2	Na 589.592†	274.5	67.4	0.1123 mg/L	0.1123 mg/L	02:02:35
2	Sr 407.771†	339.7	138.8	0.0006 mg/L	0.0006 mg/L	02:02:35

2	Y 371.029	3119232.6	3119232.6	1.26 mg/L			02:03:03
2	Ag 328.068†	1492.6	-199.0	-0.0032 mg/L	-0.0032 mg/L		02:03:06
2	Al 237.313†	80.3	191.3	0.0169 mg/L	0.0169 mg/L		02:03:16
2	As 188.979†	-0.7	-3.5	-0.0028 mg/L	-0.0028 mg/L		02:03:16
2	B 182.528†	0.7	-2.0	0.0013 mg/L	0.0013 mg/L		02:03:16
2	Ba 233.527†	58.0	100.5	-0.0005 mg/L	-0.0005 mg/L		02:03:16
2	Be 313.107†	-297.3	279.8	0.0000 mg/L	0.0000 mg/L		02:03:06
2	Ca 315.887†	2245.4	1631.4	-0.0009 mg/L	-0.0009 mg/L		02:03:06
2	Cd 228.802†	92.2	10.4	0.0003 mg/L	0.0003 mg/L		02:03:16
2	Co 228.616†	-2.1	63.2	-0.0011 mg/L	-0.0011 mg/L		02:03:16
2	Cr 267.716†	493.8	-16.3	-0.0034 mg/L	-0.0034 mg/L		02:03:06
2	Cu 324.752†	1963.2	325.7	-0.0015 mg/L	-0.0015 mg/L		02:03:06
2	Fe 238.204†	6182.6	4753.0	0.0285 mg/L	0.0285 mg/L		02:03:06
2	Mg 279.077†	432.5	208.6	-0.0194 mg/L	-0.0194 mg/L		02:03:06
2	Mn 257.610†	1516.2	35.8	-0.0028 mg/L	-0.0028 mg/L		02:03:16
2	Mo 202.031†	61.7	21.9	0.0009 mg/L	0.0009 mg/L		02:03:16
2	Ni 231.604†	42.3	52.4	-0.0019 mg/L	-0.0019 mg/L		02:03:16
2	P 214.914†	377.4	-43.0	0.0023 mg/L	0.0023 mg/L		02:03:16
2	Pb 220.353†	160.5	69.4	0.0021 mg/L	0.0021 mg/L		02:03:16
2	Sb 206.836†	38.6	-6.1	-0.0064 mg/L	-0.0064 mg/L		02:03:16
2	Se 196.026†	7.9	6.2	0.0045 mg/L	0.0045 mg/L		02:03:16
2	Sn 189.927†	1.3	-1.8	-0.0029 mg/L	-0.0029 mg/L		02:03:16
2	Ti 337.279†	1214.0	1423.2	0.0000 mg/L	0.0000 mg/L		02:03:06
2	Tl 190.801†	5.2	2.1	-0.0030 mg/L	-0.0030 mg/L		02:03:16
2	V 292.402†	-463.2	315.2	-0.0002 mg/L	-0.0002 mg/L		02:03:06
2	Zn 213.857†	1725.0	568.7	0.0050 mg/L	0.0050 mg/L		02:03:16

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3101670.1	1.25 mg/L	0.010			0.80%
Ag 328.068†	-189.9	-0.0031 mg/L	0.00011	-0.0031 mg/L	0.00011	3.52%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated						
Al 237.313†	193.3	0.0172 mg/L	0.00037	0.0172 mg/L	0.00037	2.16%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-2.4	-0.0013 mg/L	0.00201	-0.0013 mg/L	0.00201	150.17%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-1.6	0.0021 mg/L	0.00111	0.0021 mg/L	0.00111	52.32%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	0.8	0.0031 mg/L	0.00041	0.0031 mg/L	0.00041	13.00%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	92.2	-0.0006 mg/L	0.00016	-0.0006 mg/L	0.00016	25.67%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	297.1	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	101.02%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	1788.7	0.0006 mg/L	0.00209	0.0006 mg/L	0.00209	337.06%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	10.2	0.0003 mg/L	0.00002	0.0003 mg/L	0.00002	5.02%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	62.8	-0.0012 mg/L	0.00001	-0.0012 mg/L	0.00001	1.04%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	3.8	-0.0032 mg/L	0.00031	-0.0032 mg/L	0.00031	9.89%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	322.2	-0.0015 mg/L	0.00003	-0.0015 mg/L	0.00003	1.87%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	54.7	0.0653 mg/L	0.01288	0.0653 mg/L	0.01288	19.71%
QC value greater than the upper limit for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	4980.7	0.0304 mg/L	0.00272	0.0304 mg/L	0.00272	8.96%
QC value greater than the upper limit for Fe 238.204 Recovery = Not calculated						
K 766.490†	73.9	0.2370 mg/L	0.00598	0.2370 mg/L	0.00598	2.52%
QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li 670.784†	71.9	0.0028 mg/L	0.00016	0.0028 mg/L	0.00016	5.81%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	205.3	-0.0197 mg/L	0.00041	-0.0197 mg/L	0.00041	2.06%
QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	93.0	-0.0027 mg/L	0.00014	-0.0027 mg/L	0.00014	5.26%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	25.6	0.0011 mg/L	0.00027	0.0011 mg/L	0.00027	24.72%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	68.3	0.1125 mg/L	0.00021	0.1125 mg/L	0.00021	0.19%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	49.5	-0.0020 mg/L	0.00014	-0.0020 mg/L	0.00014	7.12%

QC value less than the lower limit for Ni 231.604	Recovery = Not calculated
P 214.914†	-39.8 0.0042 mg/L 0.00269 0.0042 mg/L 0.00269 63.46%
QC value within limits for P 214.914	Recovery = Not calculated
Pb 220.353†	57.5 0.0011 mg/L 0.00144 0.0011 mg/L 0.00144 135.42%
QC value within limits for Pb 220.353	Recovery = Not calculated
Sb 206.836†	-5.6 -0.0059 mg/L 0.00068 -0.0059 mg/L 0.00068 11.60%
QC value within limits for Sb 206.836	Recovery = Not calculated
Se 196.026†	6.3 0.0046 mg/L 0.00011 0.0046 mg/L 0.00011 2.42%
QC value within limits for Se 196.026	Recovery = Not calculated
Sn 189.927†	3.3 -0.0018 mg/L 0.00168 -0.0018 mg/L 0.00168 95.46%
QC value within limits for Sn 189.927	Recovery = Not calculated
Sr 407.771†	155.3 0.0006 mg/L 0.00002 0.0006 mg/L 0.00002 3.95%
QC value within limits for Sr 407.771	Recovery = Not calculated
Ti 337.279†	1491.0 0.0001 mg/L 0.00014 0.0001 mg/L 0.00014 251.07%
QC value within limits for Ti 337.279	Recovery = Not calculated
Tl 190.801†	3.7 -0.0019 mg/L 0.00155 -0.0019 mg/L 0.00155 81.50%
QC value within limits for Tl 190.801	Recovery = Not calculated
V 292.402†	279.5 -0.0004 mg/L 0.00032 -0.0004 mg/L 0.00032 76.11%
QC value within limits for V 292.402	Recovery = Not calculated
Zn 213.857†	559.3 0.0049 mg/L 0.00014 0.0049 mg/L 0.00014 2.87%
QC value within limits for Zn 213.857	Recovery = Not calculated
QC Failed. Continue with analysis.	

Sequence No.: 147 Autosampler Location: 160
Sample ID: IFA Date Collected: 10/7/2012 2:04:53 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: IFA

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc. Units	Sample Units	Analysis Time
1	B 249.677†	-14.5	-17.3	-0.0075	mg/L	-0.0075	mg/L	02:06:44
1	Fe 234.349†	113156.1	102817.2	87.96	mg/L	87.96	mg/L	02:06:34
1	K 766.490†	265.0	72.0	0.2360	mg/L	0.2360	mg/L	02:06:44
1	Li 670.784†	-96.3	88.0	0.0033	mg/L	0.0033	mg/L	02:06:44
1	Na 589.592†	251.0	77.5	0.1140	mg/L	0.1140	mg/L	02:06:44
1	Sr 407.771†	27566.2	24915.2	0.0266	mg/L	0.0266	mg/L	02:06:34
1	Y 371.029	2726236.0	2726236.0	1.10	mg/L			02:07:06
1	Ag 328.068†	477.2	-950.6	-0.0028	mg/L	-0.0028	mg/L	02:07:08
1	Al 237.313†	2036612.2	1850554.4	238.9	mg/L	238.9	mg/L	02:07:06
1	As 188.979†	-26.1	-26.7	0.0053	mg/L	0.0053	mg/L	02:07:19
1	B 182.528†	10.9	7.3	0.0196	mg/L	0.0196	mg/L	02:07:19
1	Ba 233.527†	243.5	275.7	0.0019	mg/L	0.0019	mg/L	02:07:19
1	Be 313.107†	-128.8	398.8	0.0001	mg/L	0.0001	mg/L	02:07:08
1	Ca 315.887†	25657012.3	23311319.7	219.6	mg/L	219.6	mg/L	02:07:03
1	Cd 228.802†	104.9	32.5	0.0013	mg/L	0.0013	mg/L	02:07:19
1	Co 228.616†	702.1	702.8	-0.0035	mg/L	-0.0035	mg/L	02:07:19
1	Cr 267.716†	872.1	384.0	0.0010	mg/L	0.0010	mg/L	02:07:19
1	Cu 324.752†	484.6	-792.9	-0.0004	mg/L	-0.0004	mg/L	02:07:19
1	Fe 238.204†	10108779.9	9184487.7	77.61	mg/L	77.61	mg/L	02:07:03
1	Mg 279.077†	2883708.8	2619947.9	231.0	mg/L	231.0	mg/L	02:07:06
1	Mn 257.610†	1851.2	513.8	-0.0020	mg/L	-0.0020	mg/L	02:07:08
1	Mo 202.031†	313.9	258.1	-0.0139	mg/L	-0.0139	mg/L	02:07:19
1	Ni 231.604†	-6.0	13.3	-0.0033	mg/L	-0.0033	mg/L	02:07:19
1	P 214.914†	-189.9	-515.3	-0.0709	mg/L	-0.0709	mg/L	02:07:19
1	Pb 220.353†	1034.3	881.7	0.0065	mg/L	0.0065	mg/L	02:07:19
1	Sb 206.836†	79.4	35.3	-0.0105	mg/L	-0.0105	mg/L	02:07:19
1	Se 196.026†	-38.9	-35.4	0.0017	mg/L	0.0017	mg/L	02:07:19
1	Sn 189.927†	-591.6	-540.4	0.1328	mg/L	0.1328	mg/L	02:07:19
1	Ti 337.279†	7299824.8	6632940.5	9.384	mg/L	9.384	mg/L	02:07:06
1	Tl 190.801†	66.4	58.4	-0.0270	mg/L	-0.0270	mg/L	02:07:19
1	V 292.402†	3271.5	3655.5	-0.0036	mg/L	-0.0036	mg/L	02:07:19
1	Zn 213.857†	3058.5	1977.8	0.0202	mg/L	0.0202	mg/L	02:07:19
2	B 249.677†	-16.7	-19.3	-0.0086	mg/L	-0.0086	mg/L	02:06:57
2	Fe 234.349†	115890.9	105237.9	90.03	mg/L	90.03	mg/L	02:06:47
2	K 766.490†	249.2	57.5	0.2282	mg/L	0.2282	mg/L	02:06:57
2	Li 670.784†	-99.9	84.7	0.0032	mg/L	0.0032	mg/L	02:06:57
2	Na 589.592†	237.2	64.8	0.1119	mg/L	0.1119	mg/L	02:06:57
2	Sr 407.771†	28204.7	25479.6	0.0272	mg/L	0.0272	mg/L	02:06:47
2	Y 371.029	2727897.7	2727897.7	1.10	mg/L			02:07:26

2	Ag 328.068†	495.6	-934.2	-0.0025 mg/L	-0.0025 mg/L	02:07:28
2	Al 237.313†	2036185.5	1849039.8	238.7 mg/L	238.7 mg/L	02:07:26
2	As 188.979†	-9.7	-11.8	0.0248 mg/L	0.0248 mg/L	02:07:39
2	B 182.528†	14.1	10.2	0.0252 mg/L	0.0252 mg/L	02:07:39
2	Ba 233.527†	235.1	267.9	0.0018 mg/L	0.0018 mg/L	02:07:39
2	Be 313.107†	-12.9	504.1	0.0001 mg/L	0.0001 mg/L	02:07:28
2	Ca 315.887†	25527064.1	23179123.1	218.3 mg/L	218.3 mg/L	02:07:23
2	Cd 228.802†	102.0	29.8	0.0011 mg/L	0.0011 mg/L	02:07:39
2	Co 228.616†	701.0	701.4	-0.0035 mg/L	-0.0035 mg/L	02:07:39
2	Cr 267.716†	846.7	360.5	0.0008 mg/L	0.0008 mg/L	02:07:39
2	Cu 324.752†	446.8	-827.5	-0.0006 mg/L	-0.0006 mg/L	02:07:39
2	Fe 238.204†	10053267.4	9128486.0	77.14 mg/L	77.14 mg/L	02:07:23
2	Mg 279.077†	2875936.8	2611294.6	230.3 mg/L	230.3 mg/L	02:07:26
2	Mn 257.610†	1892.0	549.8	-0.0019 mg/L	-0.0019 mg/L	02:07:28
2	Mo 202.031†	328.6	271.2	-0.0138 mg/L	-0.0138 mg/L	02:07:39
2	Ni 231.604†	4.0	22.4	-0.0030 mg/L	-0.0030 mg/L	02:07:39
2	P 214.914†	-151.1	-479.9	-0.0450 mg/L	-0.0450 mg/L	02:07:39
2	Pb 220.353†	1015.3	863.8	0.0050 mg/L	0.0050 mg/L	02:07:39
2	Sb 206.836†	80.4	36.2	-0.0107 mg/L	-0.0107 mg/L	02:07:39
2	Se 196.026†	-25.8	-23.5	0.0142 mg/L	0.0142 mg/L	02:07:39
2	Sn 189.927†	-612.6	-559.1	0.1346 mg/L	0.1346 mg/L	02:07:39
2	Ti 337.279†	7302629.6	6631447.2	9.382 mg/L	9.382 mg/L	02:07:26
2	Tl 190.801†	63.0	55.2	-0.0304 mg/L	-0.0304 mg/L	02:07:39
2	V 292.402†	3274.3	3656.2	-0.0040 mg/L	-0.0040 mg/L	02:07:39
2	Zn 213.857†	3199.8	2104.4	0.0216 mg/L	0.0216 mg/L	02:07:39

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2727066.9	1.10 mg/L	0.000			0.04%
Ag 328.068†	-942.4	-0.0027 mg/L	0.00021	-0.0027 mg/L	0.00021	7.93%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	1849797.1	238.8 mg/L	0.14	238.8 mg/L	0.14	0.06%
QC value within limits for Al 237.313 Recovery = 95.52%						
As 188.979†	-19.2	0.0150 mg/L	0.01374	0.0150 mg/L	0.01374	91.39%
QC value greater than the upper limit for As 188.979 Recovery = Not calculated						
B 182.528†	8.7	0.0224 mg/L	0.00401	0.0224 mg/L	0.00401	17.92%
QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B 249.677†	-18.3	-0.0080 mg/L	0.00082	-0.0080 mg/L	0.00082	10.21%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	271.8	0.0018 mg/L	0.00008	0.0018 mg/L	0.00008	4.13%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	451.5	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	41.47%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	23245221.4	219.0 mg/L	0.88	219.0 mg/L	0.88	0.40%
QC value within limits for Ca 315.887 Recovery = 87.58%						
Cd 228.802†	31.2	0.0012 mg/L	0.00013	0.0012 mg/L	0.00013	10.81%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	702.1	-0.0035 mg/L	0.00002	-0.0035 mg/L	0.00002	0.60%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	372.3	0.0009 mg/L	0.00018	0.0009 mg/L	0.00018	20.03%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-810.2	-0.0005 mg/L	0.00014	-0.0005 mg/L	0.00014	28.27%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	104027.5	88.99 mg/L	1.468	88.99 mg/L	1.468	1.65%
QC value within limits for Fe 234.349 Recovery = 88.99%						
Fe 238.204†	9156486.9	77.38 mg/L	0.335	77.38 mg/L	0.335	0.43%
QC value less than the lower limit for Fe 238.204 Recovery = 77.38%						
K 766.490†	64.8	0.2321 mg/L	0.00552	0.2321 mg/L	0.00552	2.38%
QC value greater than the upper limit for K 766.490 Recovery = Not calculated						
Li 670.784†	86.3	0.0032 mg/L	0.00007	0.0032 mg/L	0.00007	2.19%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	2615621.2	230.7 mg/L	0.54	230.7 mg/L	0.54	0.23%
QC value within limits for Mg 279.077 Recovery = 92.26%						
Mn 257.610†	531.8	-0.0019 mg/L	0.00004	-0.0019 mg/L	0.00004	2.33%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	264.7	-0.0139 mg/L	0.00004	-0.0139 mg/L	0.00004	0.29%
QC value less than the lower limit for Mo 202.031 Recovery = Not calculated						
Na 589.592†	71.1	0.1129 mg/L	0.00146	0.1129 mg/L	0.00146	1.30%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	17.9	-0.0031 mg/L	0.00023	-0.0031 mg/L	0.00023	7.33%
QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						

P 214.914†	-497.6	-0.0579 mg/L	0.01834	-0.0579 mg/L	0.01834	31.66%
QC value less than the lower limit for P 214.914 Recovery = Not calculated						
Pb 220.353†	872.7	0.0058 mg/L	0.00105	0.0058 mg/L	0.00105	18.25%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	35.8	-0.0106 mg/L	0.00013	-0.0106 mg/L	0.00013	1.21%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-29.4	0.0080 mg/L	0.00879	0.0080 mg/L	0.00879	110.46%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-549.7	0.1337 mg/L	0.00130	0.1337 mg/L	0.00130	0.97%
QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	25197.4	0.0269 mg/L	0.00042	0.0269 mg/L	0.00042	1.56%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	6632193.9	9.383 mg/L	0.0015	9.383 mg/L	0.0015	0.02%
QC value within limits for Ti 337.279 Recovery = 93.83%						
Tl 190.801†	56.8	-0.0287 mg/L	0.00240	-0.0287 mg/L	0.00240	8.38%
QC value less than the lower limit for Tl 190.801 Recovery = Not calculated						
V 292.402†	3655.8	-0.0038 mg/L	0.00027	-0.0038 mg/L	0.00027	7.19%
QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn 213.857†	2041.1	0.0209 mg/L	0.00096	0.0209 mg/L	0.00096	4.60%
QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

Sequence No.: 148
Sample ID: IFB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 159
Date Collected: 10/7/2012 2:09:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Units	Analysis Time
1	B 249.677†	-14.9	-17.6	-0.0082 mg/L	-0.0082 mg/L	-0.0082 mg/L	02:11:07
1	Fe 234.349†	114761.4	103611.8	88.62 mg/L	88.62 mg/L	88.62 mg/L	02:10:57
1	K 766.490†	219.4	29.4	0.2130 mg/L	0.2130 mg/L	0.2130 mg/L	02:11:07
1	Li 670.784†	-99.6	85.5	0.0032 mg/L	0.0032 mg/L	0.0032 mg/L	02:11:07
1	Na 589.592†	300.4	120.6	0.1210 mg/L	0.1210 mg/L	0.1210 mg/L	02:11:07
1	Sr 407.771†	28221.1	25346.9	0.0270 mg/L	0.0270 mg/L	0.0270 mg/L	02:10:57
1	Y 371.029	2743707.3	2743707.3	1.11 mg/L	1.11 mg/L	1.11 mg/L	02:11:29
1	Ag 328.068†	67885.9	59902.9	0.5150 mg/L	0.5150 mg/L	0.5150 mg/L	02:11:31
1	Al 237.313†	2127346.2	1920685.6	248.0 mg/L	248.0 mg/L	248.0 mg/L	02:11:29
1	As 188.979†	-32.6	-32.5	-0.0020 mg/L	-0.0020 mg/L	-0.0020 mg/L	02:11:42
1	B 182.528†	4.2	1.1	0.0075 mg/L	0.0075 mg/L	0.0075 mg/L	02:11:42
1	Ba 233.527†	19583.1	17733.9	0.2434 mg/L	0.2434 mg/L	0.2434 mg/L	02:11:42
1	Be 313.107†	413712.8	374013.8	0.2233 mg/L	0.2233 mg/L	0.2233 mg/L	02:11:29
1	Ca 315.887†	26648728.7	24058194.8	226.6 mg/L	226.6 mg/L	226.6 mg/L	02:11:26
1	Cd 228.802†	13776.7	12374.7	0.4386 mg/L	0.4386 mg/L	0.4386 mg/L	02:11:42
1	Co 228.616†	9197.0	8367.9	0.2073 mg/L	0.2073 mg/L	0.2073 mg/L	02:11:42
1	Cr 267.716†	23723.0	21008.6	0.2282 mg/L	0.2282 mg/L	0.2282 mg/L	02:11:31
1	Cu 324.752†	49111.2	43104.1	0.2394 mg/L	0.2394 mg/L	0.2394 mg/L	02:11:31
1	Fe 238.204†	10457544.4	9440865.1	79.78 mg/L	79.78 mg/L	79.78 mg/L	02:11:26
1	Mg 279.077†	3006496.9	2714116.3	239.3 mg/L	239.3 mg/L	239.3 mg/L	02:11:29
1	Mn 257.610†	142862.6	127807.5	0.2232 mg/L	0.2232 mg/L	0.2232 mg/L	02:11:31
1	Mo 202.031†	302.9	246.4	-0.0149 mg/L	-0.0149 mg/L	-0.0149 mg/L	02:11:42
1	Ni 231.604†	13990.3	12649.2	0.4445 mg/L	0.4445 mg/L	0.4445 mg/L	02:11:42
1	P 214.914†	-125.4	-455.9	-0.0382 mg/L	-0.0382 mg/L	-0.0382 mg/L	02:11:42
1	Pb 220.353†	6409.6	5728.4	0.4215 mg/L	0.4215 mg/L	0.4215 mg/L	02:11:42
1	Sb 206.836†	87.3	42.0	-0.0050 mg/L	-0.0050 mg/L	-0.0050 mg/L	02:11:42
1	Se 196.026†	-39.4	-35.6	0.0018 mg/L	0.0018 mg/L	0.0018 mg/L	02:11:42
1	Sn 189.927†	-608.3	-552.0	0.1322 mg/L	0.1322 mg/L	0.1322 mg/L	02:11:42
1	Ti 337.279†	17869.2	16591.4	0.0214 mg/L	0.0214 mg/L	0.0214 mg/L	02:11:31
1	Tl 190.801†	58.3	50.6	-0.0208 mg/L	-0.0208 mg/L	-0.0208 mg/L	02:11:42
1	V 292.402†	43582.0	40028.7	0.2333 mg/L	0.2333 mg/L	0.2333 mg/L	02:11:31
1	Zn 213.857†	52520.0	46613.7	0.4972 mg/L	0.4972 mg/L	0.4972 mg/L	02:11:31
2	B 249.677†	-11.9	-15.0	-0.0067 mg/L	-0.0067 mg/L	-0.0067 mg/L	02:11:19
2	Fe 234.349†	113914.8	103680.7	88.68 mg/L	88.68 mg/L	88.68 mg/L	02:11:09
2	K 766.490†	236.2	46.2	0.2221 mg/L	0.2221 mg/L	0.2221 mg/L	02:11:19
2	Li 670.784†	-101.6	83.0	0.0031 mg/L	0.0031 mg/L	0.0031 mg/L	02:11:19
2	Na 589.592†	333.8	153.2	0.1263 mg/L	0.1263 mg/L	0.1263 mg/L	02:11:19
2	Sr 407.771†	28062.5	25409.0	0.0271 mg/L	0.0271 mg/L	0.0271 mg/L	02:11:09
2	Y 371.029	2721656.0	2721656.0	1.10 mg/L	1.10 mg/L	1.10 mg/L	02:11:49
2	Ag 328.068†	67558.6	60101.5	0.5167 mg/L	0.5167 mg/L	0.5167 mg/L	02:11:51

2	Al	237.313†	2106650.4	1917410.9	247.5 mg/L	247.5 mg/L	02:11:49
2	As	188.979†	-39.0	-38.5	-0.0095 mg/L	-0.0095 mg/L	02:12:02
2	B	182.528†	7.7	4.4	0.0139 mg/L	0.0139 mg/L	02:12:02
2	Ba	233.527†	19792.9	18068.1	0.2480 mg/L	0.2480 mg/L	02:12:02
2	Be	313.107†	410380.7	374007.3	0.2233 mg/L	0.2233 mg/L	02:11:49
2	Ca	315.887†	26676026.6	24277963.4	228.7 mg/L	228.7 mg/L	02:11:46
2	Cd	228.802†	13982.9	12663.1	0.4488 mg/L	0.4488 mg/L	02:12:02
2	Co	228.616†	9324.7	8551.4	0.2120 mg/L	0.2120 mg/L	02:12:02
2	Cr	267.716†	23611.9	21081.0	0.2290 mg/L	0.2290 mg/L	02:11:51
2	Cu	324.752†	49008.9	43370.3	0.2409 mg/L	0.2409 mg/L	02:11:51
2	Fe	238.204†	10471471.1	9530032.6	80.54 mg/L	80.54 mg/L	02:11:46
2	Mg	279.077†	2974002.9	2706534.5	238.7 mg/L	238.7 mg/L	02:11:49
2	Mn	257.610†	142403.6	128434.7	0.2243 mg/L	0.2243 mg/L	02:11:51
2	Mo	202.031†	325.9	269.5	-0.0137 mg/L	-0.0137 mg/L	02:12:02
2	Ni	231.604†	14175.8	12920.3	0.4541 mg/L	0.4541 mg/L	02:12:02
2	P	214.914†	-117.6	-449.8	-0.0345 mg/L	-0.0345 mg/L	02:12:02
2	Pb	220.353†	6535.1	5889.5	0.4355 mg/L	0.4355 mg/L	02:12:02
2	Sb	206.836†	82.1	38.0	-0.0084 mg/L	-0.0084 mg/L	02:12:02
2	Se	196.026†	-38.1	-34.7	0.0027 mg/L	0.0027 mg/L	02:12:02
2	Sn	189.927†	-635.1	-580.9	0.1258 mg/L	0.1258 mg/L	02:12:02
2	Ti	337.279†	10677.5	10176.8	0.0123 mg/L	0.0123 mg/L	02:11:51
2	Tl	190.801†	59.7	52.3	-0.0197 mg/L	-0.0197 mg/L	02:12:02
2	V	292.402†	43452.1	40229.3	0.2345 mg/L	0.2345 mg/L	02:11:51
2	Zn	213.857†	52293.2	46791.4	0.4990 mg/L	0.4990 mg/L	02:11:51

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2732681.6	1.10 mg/L	0.006			0.57%
Ag 328.068†	60002.2	0.5158 mg/L	0.00120	0.5158 mg/L	0.00120	0.23%
QC value within limits for Ag 328.068		Recovery = 103.17%				
Al 237.313†	1919048.2	247.7 mg/L	0.30	247.7 mg/L	0.30	0.12%
QC value within limits for Al 237.313		Recovery = 99.10%				
As 188.979†	-35.5	-0.0057 mg/L	0.00528	-0.0057 mg/L	0.00528	92.31%
QC value within limits for As 188.979		Recovery = Not calculated				
B 182.528†	2.8	0.0107 mg/L	0.00448	0.0107 mg/L	0.00448	41.77%
QC value within limits for B 182.528		Recovery = Not calculated				
B 249.677†	-16.3	-0.0074 mg/L	0.00107	-0.0074 mg/L	0.00107	14.42%
QC value within limits for B 249.677		Recovery = Not calculated				
Ba 233.527†	17901.0	0.2457 mg/L	0.00327	0.2457 mg/L	0.00327	1.33%
QC value within limits for Ba 233.527		Recovery = 98.27%				
Be 313.107†	374010.6	0.2233 mg/L	0.00000	0.2233 mg/L	0.00000	0.00%
QC value within limits for Be 313.107		Recovery = 89.30%				
Ca 315.887†	24168079.1	227.7 mg/L	1.46	227.7 mg/L	1.46	0.64%
QC value within limits for Ca 315.887		Recovery = 91.06%				
Cd 228.802†	12518.9	0.4437 mg/L	0.00725	0.4437 mg/L	0.00725	1.63%
QC value within limits for Cd 228.802		Recovery = 88.74%				
Co 228.616†	8459.7	0.2096 mg/L	0.00327	0.2096 mg/L	0.00327	1.56%
QC value within limits for Co 228.616		Recovery = 83.86%				
Cr 267.716†	21044.8	0.2286 mg/L	0.00056	0.2286 mg/L	0.00056	0.25%
QC value within limits for Cr 267.716		Recovery = 91.43%				
Cu 324.752†	43237.2	0.2402 mg/L	0.00105	0.2402 mg/L	0.00105	0.44%
QC value within limits for Cu 324.752		Recovery = 96.06%				
Fe 234.349†	103646.3	88.65 mg/L	0.040	88.65 mg/L	0.040	0.05%
QC value within limits for Fe 234.349		Recovery = 88.65%				
Fe 238.204†	9485448.8	80.16 mg/L	0.533	80.16 mg/L	0.533	0.66%
QC value within limits for Fe 238.204		Recovery = 80.16%				
K 766.490†	37.8	0.2175 mg/L	0.00640	0.2175 mg/L	0.00640	2.94%
QC value within limits for K 766.490		Recovery = Not calculated				
Li 670.784†	84.2	0.0032 mg/L	0.00006	0.0032 mg/L	0.00006	1.77%
QC value within limits for Li 670.784		Recovery = Not calculated				
Mg 279.077†	2710325.4	239.0 mg/L	0.47	239.0 mg/L	0.47	0.20%
QC value within limits for Mg 279.077		Recovery = 95.60%				
Mn 257.610†	128121.1	0.2237 mg/L	0.00078	0.2237 mg/L	0.00078	0.35%
QC value within limits for Mn 257.610		Recovery = 89.49%				
Mo 202.031†	257.9	-0.0143 mg/L	0.00086	-0.0143 mg/L	0.00086	6.00%
QC value within limits for Mo 202.031		Recovery = Not calculated				
Na 589.592†	136.9	0.1237 mg/L	0.00377	0.1237 mg/L	0.00377	3.05%
QC value within limits for Na 589.592		Recovery = Not calculated				
Ni 231.604†	12784.7	0.4493 mg/L	0.00680	0.4493 mg/L	0.00680	1.51%
QC value within limits for Ni 231.604		Recovery = 89.86%				
P 214.914†	-452.8	-0.0364 mg/L	0.00267	-0.0364 mg/L	0.00267	7.35%

QC value within limits for P 214.914	Recovery = Not calculated
Pb 220.353†	5809.0 0.4285 mg/L 0.00991 0.4285 mg/L 0.00991 2.31%
QC value within limits for Pb 220.353	Recovery = 85.71%
Sb 206.836†	40.0 -0.0067 mg/L 0.00245 -0.0067 mg/L 0.00245 36.56%
QC value within limits for Sb 206.836	Recovery = Not calculated
Se 196.026†	-35.2 0.0022 mg/L 0.00064 0.0022 mg/L 0.00064 28.81%
QC value within limits for Se 196.026	Recovery = Not calculated
Sn 189.927†	-566.4 0.1290 mg/L 0.00449 0.1290 mg/L 0.00449 3.48%
QC value greater than the upper limit for Sn 189.927	Recovery = Not calculated
Sr 407.771†	25377.9 0.0271 mg/L 0.00005 0.0271 mg/L 0.00005 0.17%
QC value within limits for Sr 407.771	Recovery = Not calculated
Ti 337.279†	13384.1 0.0169 mg/L 0.00642 0.0169 mg/L 0.00642 38.02%
QC value within limits for Ti 337.279	Recovery = Not calculated
Tl 190.801†	51.5 -0.0203 mg/L 0.00081 -0.0203 mg/L 0.00081 3.98%
QC value within limits for Tl 190.801	Recovery = Not calculated
V 292.402†	40129.0 0.2339 mg/L 0.00090 0.2339 mg/L 0.00090 0.38%
QC value within limits for V 292.402	Recovery = 93.57%
Zn 213.857†	46702.5 0.4981 mg/L 0.00131 0.4981 mg/L 0.00131 0.26%
QC value within limits for Zn 213.857	Recovery = 99.62%
QC Failed. Continue with analysis.	

Sequence No.: 149	Autosampler Location: 129
Sample ID: WASH	Date Collected: 10/7/2012 2:13:40 AM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-3.1	-5.3	-0.0004 mg/L	-0.0004 mg/L	02:15:38
1	Fe 234.349†	18.6	12.2	0.0290 mg/L	0.0290 mg/L	02:15:38
1	K 766.490†	190.3	-102.7	0.1420 mg/L	0.1420 mg/L	02:15:27
1	Li 670.784†	-349.4	54.2	0.0023 mg/L	0.0023 mg/L	02:15:27
1	Na 589.592†	-185.5	-215.0	0.0661 mg/L	0.0661 mg/L	02:15:27
1	Sr 407.771†	185.2	-66.7	0.0004 mg/L	0.0004 mg/L	02:15:27
1	Y 371.029	7137906.8	7137906.8	2.88 mg/L		02:16:02
1	Ag 328.068†	1287.6	-937.4	-0.0095 mg/L	-0.0095 mg/L	02:16:04
1	Al 237.313†	-65.2	104.9	0.0057 mg/L	0.0057 mg/L	02:16:14
1	As 188.979†	-3.2	-4.1	-0.0035 mg/L	-0.0035 mg/L	02:16:14
1	B 182.528†	-1.4	-3.1	-0.0007 mg/L	-0.0007 mg/L	02:16:14
1	Ba 233.527†	-50.5	36.9	-0.0014 mg/L	-0.0014 mg/L	02:16:14
1	Be 313.107†	-400.8	376.8	0.0001 mg/L	0.0001 mg/L	02:16:04
1	Ca 315.887†	2231.3	622.6	-0.0104 mg/L	-0.0104 mg/L	02:16:04
1	Cd 228.802†	73.7	-37.2	-0.0013 mg/L	-0.0013 mg/L	02:16:14
1	Co 228.616†	-77.0	38.2	-0.0018 mg/L	-0.0018 mg/L	02:16:14
1	Cr 267.716†	346.8	-288.0	-0.0064 mg/L	-0.0064 mg/L	02:16:14
1	Cu 324.752†	1166.1	-828.6	-0.0080 mg/L	-0.0080 mg/L	02:16:04
1	Fe 238.204†	804.1	122.3	-0.0107 mg/L	-0.0107 mg/L	02:16:14
1	Mg 279.077†	235.4	-53.2	-0.0425 mg/L	-0.0425 mg/L	02:16:04
1	Mn 257.610†	356.4	-1044.5	-0.0047 mg/L	-0.0047 mg/L	02:16:14
1	Mo 202.031†	44.2	-11.8	-0.0009 mg/L	-0.0009 mg/L	02:16:14
1	Ni 231.604†	-7.1	16.3	-0.0032 mg/L	-0.0032 mg/L	02:16:14
1	P 214.914†	401.6	-203.3	-0.0930 mg/L	-0.0930 mg/L	02:16:14
1	Pb 220.353†	90.9	-26.6	-0.0062 mg/L	-0.0062 mg/L	02:16:14
1	Sb 206.836†	41.7	-22.3	-0.0200 mg/L	-0.0200 mg/L	02:16:14
1	Se 196.026†	13.9	4.7	0.0031 mg/L	0.0031 mg/L	02:16:14
1	Sn 189.927†	-1.9	-3.5	-0.0034 mg/L	-0.0034 mg/L	02:16:14
1	Ti 337.279†	621.5	674.8	-0.0011 mg/L	-0.0011 mg/L	02:16:04
1	Tl 190.801†	-3.8	-3.3	-0.0068 mg/L	-0.0068 mg/L	02:16:14
1	V 292.402†	-622.7	467.0	0.0007 mg/L	0.0007 mg/L	02:16:04
1	Zn 213.857†	1212.2	-380.5	-0.0052 mg/L	-0.0052 mg/L	02:16:14
2	B 249.677†	-4.8	-5.7	-0.0007 mg/L	-0.0007 mg/L	02:15:58
2	Fe 234.349†	8.3	8.5	0.0258 mg/L	0.0258 mg/L	02:15:58
2	K 766.490†	181.0	-109.0	0.1386 mg/L	0.1386 mg/L	02:15:48
2	Li 670.784†	-373.8	52.1	0.0022 mg/L	0.0022 mg/L	02:15:48
2	Na 589.592†	-238.3	-229.2	0.0638 mg/L	0.0638 mg/L	02:15:48
2	Sr 407.771†	189.0	-68.6	0.0004 mg/L	0.0004 mg/L	02:15:48
2	Y 371.029	7505986.9	7505986.9	3.03 mg/L		02:16:17
2	Ag 328.068†	1342.0	-941.3	-0.0095 mg/L	-0.0095 mg/L	02:16:19
2	Al 237.313†	-18.4	121.4	0.0079 mg/L	0.0079 mg/L	02:16:29

2	As	188.979†	-2.8	-3.9	-0.0033	mg/L	-0.0033	mg/L	02:16:29
2	B	182.528†	-1.9	-3.3	-0.0010	mg/L	-0.0010	mg/L	02:16:29
2	Ba	233.527†	-58.7	35.0	-0.0014	mg/L	-0.0014	mg/L	02:16:29
2	Be	313.107†	-460.6	363.8	0.0001	mg/L	0.0001	mg/L	02:16:19
2	Ca	315.887†	2734.8	750.7	-0.0091	mg/L	-0.0091	mg/L	02:16:19
2	Cd	228.802†	81.1	-36.1	-0.0013	mg/L	-0.0013	mg/L	02:16:29
2	Co	228.616†	-64.8	43.5	-0.0016	mg/L	-0.0016	mg/L	02:16:29
2	Cr	267.716†	381.6	-282.4	-0.0063	mg/L	-0.0063	mg/L	02:16:29
2	Cu	324.752†	1213.2	-832.9	-0.0080	mg/L	-0.0080	mg/L	02:16:19
2	Fe	238.204†	966.0	162.1	-0.0103	mg/L	-0.0103	mg/L	02:16:29
2	Mg	279.077†	301.2	-35.5	-0.0409	mg/L	-0.0409	mg/L	02:16:19
2	Mn	257.610†	370.9	-1045.8	-0.0047	mg/L	-0.0047	mg/L	02:16:29
2	Mo	202.031†	46.6	-11.7	-0.0009	mg/L	-0.0009	mg/L	02:16:29
2	Ni	231.604†	1.3	19.2	-0.0031	mg/L	-0.0031	mg/L	02:16:29
2	P	214.914†	414.5	-205.9	-0.0945	mg/L	-0.0945	mg/L	02:16:29
2	Pb	220.353†	111.0	-21.5	-0.0057	mg/L	-0.0057	mg/L	02:16:29
2	Sb	206.836†	37.6	-24.4	-0.0217	mg/L	-0.0217	mg/L	02:16:29
2	Se	196.026†	5.8	1.9	0.0003	mg/L	0.0003	mg/L	02:16:29
2	Sn	189.927†	-6.0	-4.8	-0.0037	mg/L	-0.0037	mg/L	02:16:29
2	Ti	337.279†	437.8	603.6	-0.0012	mg/L	-0.0012	mg/L	02:16:19
2	Tl	190.801†	-1.8	-2.6	-0.0063	mg/L	-0.0063	mg/L	02:16:29
2	V	292.402†	-581.6	491.1	0.0009	mg/L	0.0009	mg/L	02:16:19
2	Zn	213.857†	1277.2	-379.7	-0.0051	mg/L	-0.0051	mg/L	02:16:29














Mean Data: WASH

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	7321946.9	2.96 mg/L	0.105			3.55%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 295.6%						
Ag 328.068†	-939.4	-0.0095 mg/L	0.00002	-0.0095 mg/L	0.00002	0.25%
Al 237.313†	113.1	0.0068 mg/L	0.00151	0.0068 mg/L	0.00151	22.24%
As 188.979†	-4.0	-0.0034 mg/L	0.00015	-0.0034 mg/L	0.00015	4.35%
B 182.528†	-3.2	-0.0009 mg/L	0.00019	-0.0009 mg/L	0.00019	21.69%
B 249.677†	-5.5	-0.0006 mg/L	0.00020	-0.0006 mg/L	0.00020	34.77%
Ba 233.527†	36.0	-0.0014 mg/L	0.00002	-0.0014 mg/L	0.00002	1.29%
Be 313.107†	370.3	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	9.41%
Ca 315.887†	686.6	-0.0097 mg/L	0.00085	-0.0097 mg/L	0.00085	8.77%
Cd 228.802†	-36.7	-0.0013 mg/L	0.00003	-0.0013 mg/L	0.00003	2.21%
Co 228.616†	40.8	-0.0017 mg/L	0.00009	-0.0017 mg/L	0.00009	5.55%
Cr 267.716†	-285.2	-0.0063 mg/L	0.00004	-0.0063 mg/L	0.00004	0.68%
Cu 324.752†	-830.7	-0.0080 mg/L	0.00002	-0.0080 mg/L	0.00002	0.21%
Fe 234.349†	10.4	0.0274 mg/L	0.00226	0.0274 mg/L	0.00226	8.26%
Fe 238.204†	142.2	-0.0105 mg/L	0.00024	-0.0105 mg/L	0.00024	2.26%
K 766.490†	-105.8	0.1403 mg/L	0.00240	0.1403 mg/L	0.00240	1.71%
Li 670.784†	53.2	0.0022 mg/L	0.00005	0.0022 mg/L	0.00005	2.08%
Mg 279.077†	-44.4	-0.0417 mg/L	0.00111	-0.0417 mg/L	0.00111	2.65%
Mn 257.610†	-1045.2	-0.0047 mg/L	0.00000	-0.0047 mg/L	0.00000	0.03%
Mo 202.031†	-11.8	-0.0009 mg/L	0.00000	-0.0009 mg/L	0.00000	0.23%
Na 589.592†	-222.1	0.0650 mg/L	0.00165	0.0650 mg/L	0.00165	2.54%
Ni 231.604†	17.8	-0.0032 mg/L	0.00007	-0.0032 mg/L	0.00007	2.32%
P 214.914†	-204.6	-0.0937 mg/L	0.00109	-0.0937 mg/L	0.00109	1.16%
Pb 220.353†	-24.0	-0.0060 mg/L	0.00031	-0.0060 mg/L	0.00031	5.22%
Sb 206.836†	-23.3	-0.0208 mg/L	0.00123	-0.0208 mg/L	0.00123	5.90%
Se 196.026†	3.3	0.0017 mg/L	0.00199	0.0017 mg/L	0.00199	116.56%
Sn 189.927†	-4.2	-0.0036 mg/L	0.00022	-0.0036 mg/L	0.00022	6.16%
Sr 407.771†	-67.6	0.0004 mg/L	0.00000	0.0004 mg/L	0.00000	0.37%
Ti 337.279†	639.2	-0.0012 mg/L	0.00007	-0.0012 mg/L	0.00007	6.19%
Tl 190.801†	-3.0	-0.0065 mg/L	0.00037	-0.0065 mg/L	0.00037	5.63%
V 292.402†	479.1	0.0008 mg/L	0.00011	0.0008 mg/L	0.00011	13.29%
Zn 213.857†	-380.1	-0.0052 mg/L	0.00001	-0.0052 mg/L	0.00001	0.11%
Internal Standard Check failed. Continue with analysis.						

Seq.	Loc.	Sample ID
1	1	CAL1
2	2	CAL2
3	3	CAL3
4	4	CAL4
5	3	CCV1
6	1	CCB1
7	9	1210159-02 @5
8	3	CCV1
9	1	CCB1
10	10	CJ20903-BLK1
11	11	CJ20903-BS1
12	12	CJ20903-BSD1
13	13	1210142-03
14	14	CJ20903-DUP1
15	15	CJ20903-MS1
16	16	CJ20903-SD1 @5
17	17	CJ20903-PDS1
18	18	1210144-01
19	19	1210157-01
20	3	CCV1
21	1	CCB1
22	20	1210169-01
23	21	1210175-01
24	22	1210175-02
25	23	1210175-03
26	24	1210175-04
27	25	CJ20903-DUP2
28	26	CJ20903-MS2
29	27	CJ20903-SD2 @5
30	28	CJ20903-PDS2
31	29	1210175-05
32	3	CCV1
33	1	CCB1
34	30	1210175-06
35	31	1210175-07
36	32	1210175-08
37	33	1210175-09
38	34	1210181-01
39	35	1210182-01
40	36	1210124-01 @ 3
41	37	1210127-03 @10
42	38	1210127-06 @10
43	39	1210127-07 @10
44	3	CCV1
45	1	CCB1
46	40	1210127-12 @10
47	41	CJ20518-MS1 @10
48	42	1210137-02 @3
49	43	CJ20518-DUP2 @3
50	44	CJ20518-MS2 @3
51	45	CJ20518-SD2 @15
52	46	CJ20518-PDS2 @3
53	3	CCV1
54	1	CCB1
55	160	IFA
56	159	IFB
57	0	WASH

Analytical Sequence

Method : Everything - DV

Seq.	Loc.		Sample ID
1	1		CAL1
2	2		CAL2
3	3		CAL3
4	4		CAL4
5	3		ICV1
6	5		SCV1
7	1		ICB1
8	6		CRL1
9	7		CRL2
10	8		CRL3
11	160		IFA
12	159		IFB
13	0		WASH

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	254213.9
-1.6	15.0	342168.3
-1.2	15.0	401295.0
-0.8	15.0	466361.5
-0.4	15.0	543930.0
0.0	15.0	543944.7
0.4	15.0	505629.5
0.8	15.0	442910.1
1.2	15.0	357025.9
1.6	15.0	277577.2
2.0	15.0	212511.0
0.0	10.0	8042.3
0.0	10.5	18061.5
0.0	11.0	25767.3
0.0	11.5	35755.2
0.0	12.0	45400.6
0.0	12.5	95967.8
0.0	13.0	145161.8
0.0	13.5	194772.8
0.0	14.0	292830.3
0.0	14.5	490006.2
0.0	15.0	545235.6
0.0	15.5	541748.5
0.0	16.0	495874.1
0.0	16.5	336574.5
0.0	17.0	261123.6
0.0	17.5	191216.8
0.0	18.0	124960.7
0.0	18.5	67880.5
0.0	19.0	13500.5
0.0	19.5	8018.1
0.0	20.0	7219.3
-0.8	15.0	473582.2
-0.4	15.0	556098.6
0.0	15.0	564134.4
0.4	15.0	513827.1
0.8	15.0	463214.5
0.0	13.0	163783.4
0.0	13.5	189887.3
0.0	14.0	317637.4
0.0	14.5	503410.3
0.0	15.0	549018.4
0.0	15.5	533079.0
0.0	16.0	493887.0
0.0	16.5	345462.9
0.0	17.0	252915.7

10/9/2012 1:24:10 PM aligned for analyte Mn 257.610

X viewing position set to 0.0 mm having Peak intensity 549018.4 for Axial viewing
Y viewing position set to 15.0 mm having Peak intensity 549018.4 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	398.9
-6.5	15.0	591.0
-6.0	15.0	1001.3
-5.5	15.0	1192.0
-5.0	15.0	1406.0
-4.5	15.0	2367.8
-4.0	15.0	6302.2
-3.5	15.0	16582.3
-3.0	15.0	35070.6
-2.5	15.0	54566.3
-2.0	15.0	82539.6
-1.5	15.0	136008.6
-1.0	15.0	187631.1
-0.5	15.0	213876.9
0.0	15.0	237424.0
0.5	15.0	228052.0

1.0	15.0	197826.1
1.5	15.0	159689.1
2.0	15.0	99728.5
2.5	15.0	47406.9
3.0	15.0	37595.2
3.5	15.0	16990.3
4.0	15.0	6275.3
4.5	15.0	2221.7
5.0	15.0	1249.0
5.5	15.0	786.7
6.0	15.0	586.3
6.5	15.0	444.0
7.0	15.0	338.7

10/9/2012 1:30:24 PM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 237424.0 for Radial viewing

=====
Analysis Begun

Start Time: 10/9/2012 3:28:39 PM Plasma On Time: 10/9/2012 9:53:49 AM
Logged In Analyst: ICP3 Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\00dailycal.sif
Batch ID:
Results Data Set: 100912NAD
Results Library: C:\pe\ICP3\Results\Results.mdb

=====
Sequence No.: 1 Autosampler Location: 1
Sample ID: CAL1 Date Collected: 10/9/2012 3:28:39 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Analysis Time
1	B 249.677†	-6.0	-6.0	[0.00]	mg/L	15:30:36
1	Fe 234.349†	4.9	4.9	[0.00]	mg/L	15:30:36
1	K 766.490†	118.5	118.1	[0.00]	mg/L	15:30:26
1	Li 670.784†	-153.4	-152.8	[0.00]	mg/L	15:30:26
1	Na 589.592†	-605.8	-603.5	[0.00]	mg/L	15:30:26
1	Sr 407.771†	71.2	70.9	[0.00]	mg/L	15:30:26
1	Y 371.029	623157.2	623157.2	1.00	mg/L	15:31:01
1	Ag 328.068†	1413.7	1408.1	[0.00]	mg/L	15:31:01
1	Al 237.313†	-154.1	-153.4	[0.00]	mg/L	15:31:11
1	As 188.979†	5.7	5.7	[0.00]	mg/L	15:31:11
1	B 182.528†	-4.1	-4.0	[0.00]	mg/L	15:31:11
1	Ba 233.527†	-51.4	-51.2	[0.00]	mg/L	15:31:11
1	Be 313.107†	-378.5	-377.1	[0.00]	mg/L	15:31:01
1	Ca 315.887†	-920.5	-916.9	[0.00]	mg/L	15:31:01
1	Cd 228.802†	48.8	48.6	[0.00]	mg/L	15:31:11
1	Co 228.616†	-35.0	-34.9	[0.00]	mg/L	15:31:11
1	Cr 267.716†	440.6	438.9	[0.00]	mg/L	15:31:01
1	Cu 324.752†	1880.7	1873.3	[0.00]	mg/L	15:31:01
1	Fe 238.204†	72.0	71.7	[0.00]	mg/L	15:31:11
1	Mg 279.077†	195.9	195.1	[0.00]	mg/L	15:31:01
1	Mn 257.610†	259.8	258.7	[0.00]	mg/L	15:31:11
1	Mo 202.031†	1.2	1.1	[0.00]	mg/L	15:31:11
1	Ni 231.604†	-6.0	-6.0	[0.00]	mg/L	15:31:11
1	P 214.914†	186.0	185.2	[0.00]	mg/L	15:31:11
1	Pb 220.353†	-10.4	-10.3	[0.00]	mg/L	15:31:11
1	Sb 206.836†	23.4	23.3	[0.00]	mg/L	15:31:11
1	Se 196.026†	3.4	3.4	[0.00]	mg/L	15:31:11
1	Sn 189.927†	-6.2	-6.1	[0.00]	mg/L	15:31:11
1	Ti 337.279†	-471.0	-469.2	[0.00]	mg/L	15:31:01
1	Tl 190.801†	2.1	2.1	[0.00]	mg/L	15:31:11
1	V 292.402†	-762.6	-759.6	[0.00]	mg/L	15:31:01
1	Zn 213.857†	559.1	556.9	[0.00]	mg/L	15:31:11
2	B 249.677†	-1.2	-1.2	[0.00]	mg/L	15:30:57
2	Fe 234.349†	5.3	5.3	[0.00]	mg/L	15:30:57
2	K 766.490†	143.7	144.3	[0.00]	mg/L	15:30:47
2	Li 670.784†	-125.7	-126.2	[0.00]	mg/L	15:30:47
2	Na 589.592†	-570.5	-572.8	[0.00]	mg/L	15:30:47
2	Sr 407.771†	87.8	88.1	[0.00]	mg/L	15:30:47
2	Y 371.029	618232.5	618232.5	0.996	mg/L	15:31:13
2	Ag 328.068†	1454.6	1460.4	[0.00]	mg/L	15:31:13
2	Al 237.313†	-163.8	-164.4	[0.00]	mg/L	15:31:23
2	As 188.979†	4.8	4.8	[0.00]	mg/L	15:31:23
2	B 182.528†	-7.1	-7.1	[0.00]	mg/L	15:31:23
2	Ba 233.527†	-49.7	-49.9	[0.00]	mg/L	15:31:23
2	Be 313.107†	-414.2	-415.9	[0.00]	mg/L	15:31:13
2	Ca 315.887†	-974.9	-978.8	[0.00]	mg/L	15:31:13
2	Cd 228.802†	57.9	58.2	[0.00]	mg/L	15:31:23
2	Co 228.616†	-33.5	-33.6	[0.00]	mg/L	15:31:23
2	Cr 267.716†	398.4	400.0	[0.00]	mg/L	15:31:13

2	Cu 324.752†	1844.1	1851.4	[0.00]	mg/L	15:31:13
2	Fe 238.204†	85.2	85.6	[0.00]	mg/L	15:31:23
2	Mg 279.077†	170.7	171.4	[0.00]	mg/L	15:31:13
2	Mn 257.610†	248.9	249.9	[0.00]	mg/L	15:31:23
2	Mo 202.031†	-11.2	-11.3	[0.00]	mg/L	15:31:23
2	Ni 231.604†	-12.2	-12.2	[0.00]	mg/L	15:31:23
2	P 214.914†	170.7	171.3	[0.00]	mg/L	15:31:23
2	Pb 220.353†	-20.8	-20.9	[0.00]	mg/L	15:31:23
2	Sb 206.836†	15.8	15.9	[0.00]	mg/L	15:31:23
2	Se 196.026†	0.7	0.7	[0.00]	mg/L	15:31:23
2	Sn 189.927†	-3.0	-3.0	[0.00]	mg/L	15:31:23
2	Ti 337.279†	-675.6	-678.2	[0.00]	mg/L	15:31:13
2	Tl 190.801†	5.2	5.2	[0.00]	mg/L	15:31:23
2	V 292.402†	-828.0	-831.3	[0.00]	mg/L	15:31:13
2	Zn 213.857†	539.8	541.9	[0.00]	mg/L	15:31:23

Mean Data: CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	620694.9	3482.31	0.56%	1.00	mg/L
Ag 328.068†	1434.2	37.01	2.58%	[0.00]	mg/L
Al 237.313†	-158.9	7.75	4.88%	[0.00]	mg/L
As 188.979†	5.2	0.63	12.10%	[0.00]	mg/L
B 182.528†	-5.6	2.15	38.61%	[0.00]	mg/L
B 249.677†	-3.6	3.40	95.55%	[0.00]	mg/L
Ba 233.527†	-50.5	0.94	1.87%	[0.00]	mg/L
Be 313.107†	-396.5	27.45	6.92%	[0.00]	mg/L
Ca 315.887†	-947.8	43.75	4.62%	[0.00]	mg/L
Cd 228.802†	53.4	6.80	12.73%	[0.00]	mg/L
Co 228.616†	-34.3	0.90	2.62%	[0.00]	mg/L
Cr 267.716†	419.4	27.51	6.56%	[0.00]	mg/L
Cu 324.752†	1862.4	15.44	0.83%	[0.00]	mg/L
Fe 234.349†	5.1	0.32	6.27%	[0.00]	mg/L
Fe 238.204†	78.6	9.81	12.47%	[0.00]	mg/L
K 766.490†	131.2	18.52	14.12%	[0.00]	mg/L
Li 670.784†	-139.5	18.78	13.46%	[0.00]	mg/L
Mg 279.077†	183.3	16.78	9.16%	[0.00]	mg/L
Mn 257.610†	254.3	6.22	2.45%	[0.00]	mg/L
Mo 202.031†	-5.1	8.78	173.43%	[0.00]	mg/L
Na 589.592†	-588.1	21.69	3.69%	[0.00]	mg/L
Ni 231.604†	-9.1	4.37	47.94%	[0.00]	mg/L
P 214.914†	178.3	9.83	5.51%	[0.00]	mg/L
Pb 220.353†	-15.6	7.48	47.96%	[0.00]	mg/L
Sb 206.836†	19.6	5.25	26.83%	[0.00]	mg/L
Se 196.026†	2.0	1.90	93.88%	[0.00]	mg/L
Sn 189.927†	-4.6	2.21	48.47%	[0.00]	mg/L
Sr 407.771†	79.5	12.16	15.29%	[0.00]	mg/L
Ti 337.279†	-573.7	147.85	25.77%	[0.00]	mg/L
Tl 190.801†	3.7	2.24	61.33%	[0.00]	mg/L
V 292.402†	-795.4	50.68	6.37%	[0.00]	mg/L
Zn 213.857†	549.4	10.56	1.92%	[0.00]	mg/L

Sequence No.: 2
Sample ID: CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/9/2012 3:33:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	B 249.677†	169.5	169.8	[0.1000]	mg/L	15:34:50
1	Fe 234.349†	626.8	609.4	[0.5000]	mg/L	15:34:50
1	K 766.490†	10086.8	9758.9	[5.0000]	mg/L	15:34:40
1	Li 670.784†	3653.6	3721.9	[0.1000]	mg/L	15:34:40
1	Na 589.592†	30122.8	30123.3	[5.0000]	mg/L	15:34:40
1	Sr 407.771†	9529.4	9264.0	[0.0100]	mg/L	15:34:40
1	Y 371.029	633042.9	633042.9	1.02	mg/L	15:35:06
1	Ag 328.068†	4076.9	2563.2	[0.0500]	mg/L	15:35:06
1	Al 237.313†	1244.1	1378.7	[0.5000]	mg/L	15:35:17

1	As	188.979†	50.8	44.6	[0.1000]	mg/L	15:35:17
1	B	182.528†	27.0	32.1	[0.1000]	mg/L	15:35:17
1	Ba	233.527†	1679.0	1696.8	[0.1000]	mg/L	15:35:17
1	Be	313.107†	9445.8	9658.0	[0.0100]	mg/L	15:35:06
1	Ca	315.887†	28649.2	29038.2	[1.0000]	mg/L	15:35:06
1	Cd	228.802†	619.3	553.9	[0.0500]	mg/L	15:35:17
1	Co	228.616†	1261.5	1271.1	[0.1000]	mg/L	15:35:17
1	Cr	267.716†	3140.5	2659.8	[0.1000]	mg/L	15:35:06
1	Cu	324.752†	9116.0	7075.8	[0.1000]	mg/L	15:35:06
1	Fe	238.204†	18611.6	18169.9	[0.5000]	mg/L	15:35:06
1	Mg	279.077†	4774.7	4498.3	[1.0000]	mg/L	15:35:06
1	Mn	257.610†	20176.4	19528.5	[0.1000]	mg/L	15:35:06
1	Mo	202.031†	450.1	446.3	[0.1000]	mg/L	15:35:17
1	Ni	231.604†	1042.0	1030.8	[0.1000]	mg/L	15:35:17
1	P	214.914†	1314.0	1110.1	[1.0000]	mg/L	15:35:17
1	Pb	220.353†	261.3	271.8	[0.1000]	mg/L	15:35:17
1	Sb	206.836†	71.1	50.2	[0.1000]	mg/L	15:35:17
1	Se	196.026†	132.7	128.1	[0.2000]	mg/L	15:35:17
1	Sn	189.927†	104.7	107.2	[0.1000]	mg/L	15:35:17
1	Ti	337.279†	18462.0	18675.5	[0.1000]	mg/L	15:35:06
1	Tl	190.801†	29.7	25.5	[0.1000]	mg/L	15:35:17
1	V	292.402†	4259.7	4972.1	[0.1000]	mg/L	15:35:06
1	Zn	213.857†	5189.5	4538.8	[0.1000]	mg/L	15:35:17
2	B	249.677†	173.9	174.1	[0.1000]	mg/L	15:35:02
2	Fe	234.349†	635.2	617.8	[0.5000]	mg/L	15:35:02
2	K	766.490†	10033.0	9708.8	[5.0000]	mg/L	15:34:52
2	Li	670.784†	3625.3	3695.1	[0.1000]	mg/L	15:34:52
2	Na	589.592†	29863.8	29877.5	[5.0000]	mg/L	15:34:52
2	Sr	407.771†	9444.9	9183.7	[0.0100]	mg/L	15:34:52
2	Y	371.029	632868.4	632868.4	1.02	mg/L	15:35:19
2	Ag	328.068†	4065.4	2552.9	[0.0500]	mg/L	15:35:19
2	Al	237.313†	1232.6	1367.9	[0.5000]	mg/L	15:35:29
2	As	188.979†	55.4	49.1	[0.1000]	mg/L	15:35:29
2	B	182.528†	24.4	29.5	[0.1000]	mg/L	15:35:29
2	Ba	233.527†	1663.1	1681.6	[0.1000]	mg/L	15:35:29
2	Be	313.107†	9455.2	9669.8	[0.0100]	mg/L	15:35:19
2	Ca	315.887†	28767.0	29161.5	[1.0000]	mg/L	15:35:19
2	Cd	228.802†	617.2	551.9	[0.0500]	mg/L	15:35:29
2	Co	228.616†	1243.3	1253.7	[0.1000]	mg/L	15:35:29
2	Cr	267.716†	3175.5	2695.0	[0.1000]	mg/L	15:35:19
2	Cu	324.752†	9067.0	7030.2	[0.1000]	mg/L	15:35:19
2	Fe	238.204†	18818.1	18377.5	[0.5000]	mg/L	15:35:19
2	Mg	279.077†	4854.1	4577.4	[1.0000]	mg/L	15:35:19
2	Mn	257.610†	20313.0	19667.9	[0.1000]	mg/L	15:35:19
2	Mo	202.031†	447.8	444.2	[0.1000]	mg/L	15:35:29
2	Ni	231.604†	1032.9	1022.2	[0.1000]	mg/L	15:35:29
2	P	214.914†	1290.6	1087.4	[1.0000]	mg/L	15:35:29
2	Pb	220.353†	283.0	293.1	[0.1000]	mg/L	15:35:29
2	Sb	206.836†	67.5	46.6	[0.1000]	mg/L	15:35:29
2	Se	196.026†	140.7	135.9	[0.2000]	mg/L	15:35:29
2	Sn	189.927†	112.7	115.1	[0.1000]	mg/L	15:35:29
2	Ti	337.279†	18747.1	18960.2	[0.1000]	mg/L	15:35:19
2	Tl	190.801†	31.7	27.4	[0.1000]	mg/L	15:35:29
2	V	292.402†	4312.2	5024.6	[0.1000]	mg/L	15:35:19
2	Zn	213.857†	5174.3	4525.3	[0.1000]	mg/L	15:35:29

Mean Data: CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Y 371.029	632955.7	123.35	0.02%	1.02	mg/L	
Ag 328.068†	2558.1	7.24	0.28%	[0.0500]	mg/L	
Al 237.313†	1373.3	7.69	0.56%	[0.5000]	mg/L	
As 188.979†	46.9	3.22	6.87%	[0.1000]	mg/L	
B 182.528†	30.8	1.81	5.88%	[0.1000]	mg/L	
B 249.677†	171.9	3.05	1.78%	[0.1000]	mg/L	
Ba 233.527†	1689.2	10.73	0.64%	[0.1000]	mg/L	
Be 313.107†	9663.9	8.35	0.09%	[0.0100]	mg/L	
Ca 315.887†	29099.8	87.13	0.30%	[1.0000]	mg/L	
Cd 228.802†	552.9	1.39	0.25%	[0.0500]	mg/L	
Co 228.616†	1262.4	12.34	0.98%	[0.1000]	mg/L	
Cr 267.716†	2677.4	24.87	0.93%	[0.1000]	mg/L	
Cu 324.752†	7053.0	32.25	0.46%	[0.1000]	mg/L	

Fe 234.349†	613.6	5.94	0.97%	[0.5000]	mg/L
Fe 238.204†	18273.7	146.76	0.80%	[0.5000]	mg/L
K 766.490†	9733.9	35.44	0.36%	[5.0000]	mg/L
Li 670.784†	3708.5	18.95	0.51%	[0.1000]	mg/L
Mg 279.077†	4537.9	55.96	1.23%	[1.0000]	mg/L
Mn 257.610†	19598.2	98.55	0.50%	[0.1000]	mg/L
Mo 202.031†	445.3	1.49	0.33%	[0.1000]	mg/L
Na 589.592†	30000.4	173.82	0.58%	[5.0000]	mg/L
Ni 231.604†	1026.5	6.09	0.59%	[0.1000]	mg/L
P 214.914†	1098.8	15.99	1.46%	[1.0000]	mg/L
Pb 220.353†	282.5	15.11	5.35%	[0.1000]	mg/L
Sb 206.836†	48.4	2.50	5.17%	[0.1000]	mg/L
Se 196.026†	132.0	5.52	4.18%	[0.2000]	mg/L
Sn 189.927†	111.2	5.60	5.03%	[0.1000]	mg/L
Sr 407.771†	9223.9	56.75	0.62%	[0.0100]	mg/L
Ti 337.279†	18817.9	201.29	1.07%	[0.1000]	mg/L
Tl 190.801†	26.4	1.38	5.22%	[0.1000]	mg/L
V 292.402†	4998.3	37.18	0.74%	[0.1000]	mg/L
Zn 213.857†	4532.1	9.56	0.21%	[0.1000]	mg/L

```

Sequence No.: 3                               Autosampler Location: 3
Sample ID: CAL3                               Date Collected: 10/9/2012 3:37:06 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:

```

Replicate Data: CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Analysis Time
1	B 249.677†	868.7	855.8	[0.5000]	mg/L	15:38:57
1	Fe 234.349†	3126.7	3062.5	[2.5000]	mg/L	15:38:57
1	K 766.490†	49475.3	48408.5	[25.000]	mg/L	15:38:47
1	Li 670.784†	18362.9	18155.2	[0.5000]	mg/L	15:38:47
1	Na 589.592†	149244.8	147010.5	[25.000]	mg/L	15:38:47
1	Sr 407.771†	46957.6	45990.0	[0.0500]	mg/L	15:38:47
1	Y 371.029	632659.3	632659.3	1.02	mg/L	15:39:14
1	Ag 328.068†	14094.7	12394.0	[0.2500]	mg/L	15:39:14
1	Al 237.313†	6586.3	6620.6	[2.5000]	mg/L	15:39:14
1	As 188.979†	222.8	213.4	[0.5000]	mg/L	15:39:24
1	B 182.528†	155.5	158.1	[0.5000]	mg/L	15:39:24
1	Ba 233.527†	8336.0	8228.9	[0.5000]	mg/L	15:39:14
1	Be 313.107†	47988.3	47477.2	[0.0500]	mg/L	15:39:14
1	Ca 315.887†	146768.4	144940.6	[5.0000]	mg/L	15:39:14
1	Cd 228.802†	2825.7	2718.9	[0.2500]	mg/L	15:39:24
1	Co 228.616†	6359.9	6273.9	[0.5000]	mg/L	15:39:24
1	Cr 267.716†	13915.2	13232.6	[0.5000]	mg/L	15:39:14
1	Cu 324.752†	38308.0	35721.2	[0.5000]	mg/L	15:39:14
1	Fe 238.204†	91560.1	89750.0	[2.5000]	mg/L	15:39:14
1	Mg 279.077†	23416.9	22790.8	[5.0000]	mg/L	15:39:14
1	Mn 257.610†	98516.3	96398.9	[0.5000]	mg/L	15:39:14
1	Mo 202.031†	2223.3	2186.3	[0.5000]	mg/L	15:39:24
1	Ni 231.604†	5128.6	5040.8	[0.5000]	mg/L	15:39:14
1	P 214.914†	5612.5	5328.1	[5.0000]	mg/L	15:39:24
1	Pb 220.353†	1355.6	1345.6	[0.5000]	mg/L	15:39:24
1	Sb 206.836†	271.4	246.7	[0.5000]	mg/L	15:39:24
1	Se 196.026†	675.2	660.4	[1.0000]	mg/L	15:39:24
1	Sn 189.927†	561.6	555.5	[0.5000]	mg/L	15:39:24
1	Ti 337.279†	94071.6	92866.2	[0.5000]	mg/L	15:39:14
1	Tl 190.801†	143.0	136.6	[0.5000]	mg/L	15:39:24
1	V 292.402†	23592.0	23941.3	[0.5000]	mg/L	15:39:14
1	Zn 213.857†	22849.5	21868.0	[0.5000]	mg/L	15:39:14
2	B 249.677†	873.2	853.7	[0.5000]	mg/L	15:39:10
2	Fe 234.349†	3128.4	3040.9	[2.5000]	mg/L	15:39:10
2	K 766.490†	48798.8	47382.1	[25.000]	mg/L	15:39:00
2	Li 670.784†	18034.3	17698.7	[0.5000]	mg/L	15:39:00
2	Na 589.592†	147487.9	144190.5	[25.000]	mg/L	15:39:00
2	Sr 407.771†	46255.9	44957.8	[0.0500]	mg/L	15:39:00
2	Y 371.029	637489.3	637489.3	1.03	mg/L	15:39:26
2	Ag 328.068†	14231.3	12422.1	[0.2500]	mg/L	15:39:26
2	Al 237.313†	6686.9	6669.7	[2.5000]	mg/L	15:39:26
2	As 188.979†	220.7	209.7	[0.5000]	mg/L	15:39:37

2	B 182.528†	153.1	154.7	[0.5000]	mg/L	15:39:37
2	Ba 233.527†	8266.0	8098.8	[0.5000]	mg/L	15:39:26
2	Be 313.107†	48390.6	47512.3	[0.0500]	mg/L	15:39:26
2	Ca 315.887†	146979.4	144055.2	[5.0000]	mg/L	15:39:26
2	Cd 228.802†	2815.7	2688.1	[0.2500]	mg/L	15:39:37
2	Co 228.616†	6330.4	6197.9	[0.5000]	mg/L	15:39:37
2	Cr 267.716†	13898.0	13112.4	[0.5000]	mg/L	15:39:26
2	Cu 324.752†	38527.6	35650.3	[0.5000]	mg/L	15:39:26
2	Fe 238.204†	91636.2	89143.5	[2.5000]	mg/L	15:39:26
2	Mg 279.077†	23436.5	22635.8	[5.0000]	mg/L	15:39:26
2	Mn 257.610†	98772.1	95915.7	[0.5000]	mg/L	15:39:26
2	Mo 202.031†	2187.0	2134.4	[0.5000]	mg/L	15:39:37
2	Ni 231.604†	5092.9	4967.8	[0.5000]	mg/L	15:39:26
2	P 214.914†	5601.5	5275.6	[5.0000]	mg/L	15:39:37
2	Pb 220.353†	1365.2	1344.9	[0.5000]	mg/L	15:39:37
2	Sb 206.836†	265.9	239.3	[0.5000]	mg/L	15:39:37
2	Se 196.026†	676.5	656.6	[1.0000]	mg/L	15:39:37
2	Sn 189.927†	565.3	554.9	[0.5000]	mg/L	15:39:37
2	Ti 337.279†	94589.1	92670.9	[0.5000]	mg/L	15:39:26
2	Tl 190.801†	141.9	134.5	[0.5000]	mg/L	15:39:37
2	V 292.402†	23696.5	23867.6	[0.5000]	mg/L	15:39:26
2	Zn 213.857†	22983.6	21828.6	[0.5000]	mg/L	15:39:26

Mean Data: CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Y 371.029	635074.3	3415.31	0.54%	1.02	mg/L	
Ag 328.068†	12408.0	19.93	0.16%	[0.2500]	mg/L	
Al 237.313†	6645.2	34.69	0.52%	[2.5000]	mg/L	
As 188.979†	211.5	2.63	1.24%	[0.5000]	mg/L	
B 182.528†	156.4	2.43	1.56%	[0.5000]	mg/L	
B 249.677†	854.8	1.48	0.17%	[0.5000]	mg/L	
Ba 233.527†	8163.8	92.03	1.13%	[0.5000]	mg/L	
Be 313.107†	47494.7	24.79	0.05%	[0.0500]	mg/L	
Ca 315.887†	144497.9	626.12	0.43%	[5.0000]	mg/L	
Cd 228.802†	2703.5	21.73	0.80%	[0.2500]	mg/L	
Co 228.616†	6235.9	53.70	0.86%	[0.5000]	mg/L	
Cr 267.716†	13172.5	84.99	0.65%	[0.5000]	mg/L	
Cu 324.752†	35685.7	50.15	0.14%	[0.5000]	mg/L	
Fe 234.349†	3051.7	15.28	0.50%	[2.5000]	mg/L	
Fe 238.204†	89446.7	428.85	0.48%	[2.5000]	mg/L	
K 766.490†	47895.3	725.82	1.52%	[25.000]	mg/L	
Li 670.784†	17926.9	322.78	1.80%	[0.5000]	mg/L	
Mg 279.077†	22713.3	109.65	0.48%	[5.0000]	mg/L	
Mn 257.610†	96157.3	341.69	0.36%	[0.5000]	mg/L	
Mo 202.031†	2160.4	36.70	1.70%	[0.5000]	mg/L	
Na 589.592†	145600.5	1994.08	1.37%	[25.000]	mg/L	
Ni 231.604†	5004.3	51.57	1.03%	[0.5000]	mg/L	
P 214.914†	5301.8	37.07	0.70%	[5.0000]	mg/L	
Pb 220.353†	1345.2	0.51	0.04%	[0.5000]	mg/L	
Sb 206.836†	243.0	5.21	2.14%	[0.5000]	mg/L	
Se 196.026†	658.5	2.66	0.40%	[1.0000]	mg/L	
Sn 189.927†	555.2	0.41	0.07%	[0.5000]	mg/L	
Sr 407.771†	45473.9	729.88	1.61%	[0.0500]	mg/L	
Ti 337.279†	92768.6	138.15	0.15%	[0.5000]	mg/L	
Tl 190.801†	135.6	1.54	1.14%	[0.5000]	mg/L	
V 292.402†	23904.5	52.09	0.22%	[0.5000]	mg/L	
Zn 213.857†	21848.3	27.83	0.13%	[0.5000]	mg/L	

Sequence No.: 4

Sample ID: CAL4

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 4

Date Collected: 10/9/2012 3:41:15 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Analysis Time
1	B 249.677†	1779.6	1700.6	[1.0000]	mg/L	15:42:59
1	Fe 234.349†	6293.2	5996.2	[5.0000]	mg/L	15:42:59

1	K 766.490†	98530.9	93829.4	[50.000]	mg/L	15:42:56
1	Li 670.784†	36373.8	34826.1	[1.0000]	mg/L	15:42:59
1	Na 589.592†	295369.7	282257.3	[50.000]	mg/L	15:42:56
1	Sr 407.771†	93982.2	89543.4	[0.1000]	mg/L	15:42:56
1	Y 371.029	650885.9	650885.9	1.05	mg/L	15:43:07
1	Ag 328.068†	27479.4	24770.5	[0.5000]	mg/L	15:43:07
1	Al 237.313†	13798.9	13317.8	[5.0000]	mg/L	15:43:07
1	As 188.979†	462.1	435.5	[1.0000]	mg/L	15:43:17
1	B 182.528†	324.0	314.6	[1.0000]	mg/L	15:43:17
1	Ba 233.527†	17322.8	16569.8	[1.0000]	mg/L	15:43:07
1	Be 313.107†	98516.3	94343.2	[0.1000]	mg/L	15:43:07
1	Ca 315.887†	304299.4	291132.5	[10.000]	mg/L	15:43:07
1	Cd 228.802†	5714.6	5396.1	[0.5000]	mg/L	15:43:17
1	Co 228.616†	13067.6	12495.7	[1.0000]	mg/L	15:43:17
1	Cr 267.716†	28044.7	26324.4	[1.0000]	mg/L	15:43:07
1	Cu 324.752†	78272.8	72779.8	[1.0000]	mg/L	15:43:07
1	Fe 238.204†	188758.9	179924.7	[5.0000]	mg/L	15:43:07
1	Mg 279.077†	48290.9	45867.7	[10.000]	mg/L	15:43:07
1	Mn 257.610†	202801.1	193140.0	[1.0000]	mg/L	15:43:07
1	Mo 202.031†	4562.0	4355.5	[1.0000]	mg/L	15:43:17
1	Ni 231.604†	10497.6	10019.8	[1.0000]	mg/L	15:43:07
1	P 214.914†	11287.4	10585.5	[10.000]	mg/L	15:43:17
1	Pb 220.353†	2832.2	2716.4	[1.0000]	mg/L	15:43:17
1	Sb 206.836†	528.1	484.0	[1.0000]	mg/L	15:43:17
1	Se 196.026†	1391.9	1325.3	[2.0000]	mg/L	15:43:17
1	Sn 189.927†	1157.3	1108.2	[1.0000]	mg/L	15:43:17
1	Ti 337.279†	194205.3	185770.9	[1.0000]	mg/L	15:43:07
1	Tl 190.801†	299.6	282.1	[1.0000]	mg/L	15:43:17
1	V 292.402†	49528.5	48026.5	[1.0000]	mg/L	15:43:07
1	Zn 213.857†	46503.7	43797.2	[1.0000]	mg/L	15:43:07
2	B 249.677†	1771.1	1714.4	[1.0000]	mg/L	15:43:03
2	Fe 234.349†	6301.2	6081.7	[5.0000]	mg/L	15:43:03
2	K 766.490†	98216.2	94742.5	[50.000]	mg/L	15:43:01
2	Li 670.784†	36197.2	35104.8	[1.0000]	mg/L	15:43:03
2	Na 589.592†	294929.6	285480.5	[50.000]	mg/L	15:43:01
2	Sr 407.771†	93918.7	90642.8	[0.1000]	mg/L	15:43:01
2	Y 371.029	642562.9	642562.9	1.04	mg/L	15:43:20
2	Ag 328.068†	27396.4	25029.8	[0.5000]	mg/L	15:43:20
2	Al 237.313†	13633.7	13328.7	[5.0000]	mg/L	15:43:20
2	As 188.979†	461.6	440.7	[1.0000]	mg/L	15:43:30
2	B 182.528†	326.7	321.2	[1.0000]	mg/L	15:43:30
2	Ba 233.527†	17160.0	16626.5	[1.0000]	mg/L	15:43:20
2	Be 313.107†	97584.9	94660.3	[0.1000]	mg/L	15:43:20
2	Ca 315.887†	301117.7	291817.7	[10.000]	mg/L	15:43:20
2	Cd 228.802†	5714.1	5466.2	[0.5000]	mg/L	15:43:30
2	Co 228.616†	13096.9	12685.5	[1.0000]	mg/L	15:43:30
2	Cr 267.716†	27995.3	26623.1	[1.0000]	mg/L	15:43:20
2	Cu 324.752†	77916.2	73402.1	[1.0000]	mg/L	15:43:20
2	Fe 238.204†	186912.4	180472.7	[5.0000]	mg/L	15:43:20
2	Mg 279.077†	47957.6	46142.3	[10.000]	mg/L	15:43:20
2	Mn 257.610†	200878.6	193787.9	[1.0000]	mg/L	15:43:20
2	Mo 202.031†	4611.0	4459.2	[1.0000]	mg/L	15:43:30
2	Ni 231.604†	10390.2	10045.7	[1.0000]	mg/L	15:43:20
2	P 214.914†	11298.8	10736.0	[10.000]	mg/L	15:43:30
2	Pb 220.353†	2856.4	2774.8	[1.0000]	mg/L	15:43:30
2	Sb 206.836†	534.5	496.7	[1.0000]	mg/L	15:43:30
2	Se 196.026†	1390.6	1341.3	[2.0000]	mg/L	15:43:30
2	Sn 189.927†	1155.5	1120.7	[1.0000]	mg/L	15:43:30
2	Ti 337.279†	192515.8	186537.7	[1.0000]	mg/L	15:43:20
2	Tl 190.801†	297.8	284.0	[1.0000]	mg/L	15:43:30
2	V 292.402†	49145.3	48268.2	[1.0000]	mg/L	15:43:20
2	Zn 213.857†	46312.6	44187.0	[1.0000]	mg/L	15:43:20

Mean Data: CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	646724.4	5885.22	0.91%	1.04	mg/L
Ag 328.068†	24900.1	183.34	0.74%	[0.5000]	mg/L
Al 237.313†	13323.2	7.72	0.06%	[5.0000]	mg/L
As 188.979†	438.1	3.71	0.85%	[1.0000]	mg/L
B 182.528†	317.9	4.68	1.47%	[1.0000]	mg/L
B 249.677†	1707.5	9.76	0.57%	[1.0000]	mg/L

Ba	233.527†	16598.2	40.08	0.24%	[1.0000]	mg/L
Be	313.107†	94501.8	224.27	0.24%	[0.1000]	mg/L
Ca	315.887†	291475.1	484.56	0.17%	[10.000]	mg/L
Cd	228.802†	5431.2	49.56	0.91%	[0.5000]	mg/L
Co	228.616†	12590.6	134.17	1.07%	[1.0000]	mg/L
Cr	267.716†	26473.8	211.26	0.80%	[1.0000]	mg/L
Cu	324.752†	73091.0	440.03	0.60%	[1.0000]	mg/L
Fe	234.349†	6038.9	60.43	1.00%	[5.0000]	mg/L
Fe	238.204†	180198.7	387.45	0.22%	[5.0000]	mg/L
K	766.490†	94285.9	645.64	0.68%	[50.000]	mg/L
Li	670.784†	34965.5	197.08	0.56%	[1.0000]	mg/L
Mg	279.077†	46005.0	194.11	0.42%	[10.000]	mg/L
Mn	257.610†	193463.9	458.12	0.24%	[1.0000]	mg/L
Mo	202.031†	4407.3	73.33	1.66%	[1.0000]	mg/L
Na	589.592†	283868.9	2279.15	0.80%	[50.000]	mg/L
Ni	231.604†	10032.8	18.33	0.18%	[1.0000]	mg/L
P	214.914†	10660.8	106.42	1.00%	[10.000]	mg/L
Pb	220.353†	2745.6	41.30	1.50%	[1.0000]	mg/L
Sb	206.836†	490.4	8.97	1.83%	[1.0000]	mg/L
Se	196.026†	1333.3	11.30	0.85%	[2.0000]	mg/L
Sn	189.927†	1114.5	8.87	0.80%	[1.0000]	mg/L
Sr	407.771†	90093.1	777.45	0.86%	[0.1000]	mg/L
Ti	337.279†	186154.3	542.23	0.29%	[1.0000]	mg/L
Tl	190.801†	283.1	1.38	0.49%	[1.0000]	mg/L
V	292.402†	48147.4	170.90	0.35%	[1.0000]	mg/L
Zn	213.857†	43992.1	275.65	0.63%	[1.0000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	22.4	49720	0.00000	0.999993	
Al 237.313	3	Lin, Calc Int	15.1	2660	0.00000	0.999993	
As 188.979	3	Lin, Calc Int	-0.0	435.4	0.00000	0.999761	
B 182.528	3	Lin, Calc Int	-0.9	317.9	0.00000	0.999965	
B 249.677	3	Lin, Calc Int	0.7	1707	0.00000	1.000000	
Ba 233.527	3	Lin, Calc Int	-12.0	16560	0.00000	0.999954	
Be 313.107	3	Lin, Calc Int	140.0	944400	0.00000	0.999995	
Ca 315.887	3	Lin, Calc Int	-251.1	29130	0.00000	0.999989	
Cd 228.802	3	Lin, Calc Int	2.1	10850	0.00000	0.999994	
Co 228.616	3	Lin, Calc Int	-9.5	12580	0.00000	0.999986	
Cr 267.716	3	Lin, Calc Int	1.4	26450	0.00000	0.999995	
Cu 324.752	3	Lin, Calc Int	-273.0	73080	0.00000	0.999926	
Fe 234.349	3	Lin, Calc Int	10.3	1208	0.00000	0.999985	
Fe 238.204	3	Lin, Calc Int	-8.5	35990	0.00000	0.999990	
K 766.490	3	Lin, Calc Int	274.9	1885	0.00000	0.999966	
Li 670.784	3	Lin, Calc Int	176.4	34930	0.00000	0.999911	
Mg 279.077	3	Lin, Calc Int	-81.4	4599	0.00000	0.999978	
Mn 257.610	3	Lin, Calc Int	5.1	193200	0.00000	0.999993	
Mo 202.031	3	Lin, Calc Int	-6.0	4398	0.00000	0.999939	
Na 589.592	3	Lin, Calc Int	1395.7	5674	0.00000	0.999909	
Ni 231.604	3	Lin, Calc Int	8.0	10020	0.00000	0.999996	
P 214.914	3	Lin, Calc Int	9.2	1064	0.00000	0.999988	
Pb 220.353	3	Lin, Calc Int	-1.6	2737	0.00000	0.999927	
Sb 206.836	3	Lin, Calc Int	-0.7	490.3	0.00000	0.999989	
Se 196.026	3	Lin, Calc Int	-2.1	666.3	0.00000	0.999979	
Sn 189.927	3	Lin, Calc Int	-0.5	1114	0.00000	0.999998	
Sr 407.771	3	Lin, Calc Int	174.4	900600	0.00000	0.999988	
Ti 337.279	3	Lin, Calc Int	32.6	186000	0.00000	0.999997	
Tl 190.801	3	Lin, Calc Int	-1.9	283.0	0.00000	0.999760	
V 292.402	3	Lin, Calc Int	50.1	48030	0.00000	0.999981	
Zn 213.857	3	Lin, Calc Int	31.5	43900	0.00000	0.999986	

Sequence No.: 5	Autosampler Location: 3
Sample ID: ICV1	Date Collected: 10/9/2012 3:45:08 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: ICV1

Net	Corrected	Calib.	Sample	Analysis
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Repl#	Analyte	Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	920.2	881.4	0.5150 mg/L	0.5150 mg/L	15:46:58
1	Fe 234.349†	3307.5	3150.1	2.588 mg/L	2.588 mg/L	15:46:58
1	K 766.490†	50668.2	48204.9	25.42 mg/L	25.42 mg/L	15:46:48
1	Li 670.784†	18899.5	18169.1	0.5150 mg/L	0.5150 mg/L	15:46:48
1	Na 589.592†	152573.6	146139.1	25.51 mg/L	25.51 mg/L	15:46:48
1	Sr 407.771†	48497.3	46185.6	0.0511 mg/L	0.0511 mg/L	15:46:48
1	Y 371.029	650642.7	650642.7	1.05 mg/L		15:47:15
1	Ag 328.068†	14489.7	12388.6	0.2490 mg/L	0.2490 mg/L	15:47:15
1	Al 237.313†	6719.3	6569.0	2.469 mg/L	2.469 mg/L	15:47:15
1	As 188.979†	225.8	210.2	0.4830 mg/L	0.4830 mg/L	15:47:25
1	B 182.528†	157.4	155.7	0.4927 mg/L	0.4927 mg/L	15:47:25
1	Ba 233.527†	8589.6	8244.8	0.4983 mg/L	0.4983 mg/L	15:47:15
1	Be 313.107†	49506.6	47624.4	0.0503 mg/L	0.0503 mg/L	15:47:15
1	Ca 315.887†	150928.0	144928.9	4.987 mg/L	4.987 mg/L	15:47:15
1	Cd 228.802†	2824.1	2640.7	0.2411 mg/L	0.2411 mg/L	15:47:25
1	Co 228.616†	6418.4	6157.3	0.4895 mg/L	0.4895 mg/L	15:47:25
1	Cr 267.716†	14248.2	13172.9	0.4986 mg/L	0.4986 mg/L	15:47:15
1	Cu 324.752†	39526.8	35845.1	0.4946 mg/L	0.4946 mg/L	15:47:15
1	Fe 238.204†	94333.1	89912.5	2.499 mg/L	2.499 mg/L	15:47:15
1	Mg 279.077†	24042.7	22752.8	4.967 mg/L	4.967 mg/L	15:47:15
1	Mn 257.610†	101347.1	96428.0	0.4991 mg/L	0.4991 mg/L	15:47:15
1	Mo 202.031†	2240.4	2142.3	0.4873 mg/L	0.4873 mg/L	15:47:25
1	Ni 231.604†	5263.2	5030.0	0.5020 mg/L	0.5020 mg/L	15:47:15
1	P 214.914†	5691.9	5251.6	4.921 mg/L	4.921 mg/L	15:47:25
1	Pb 220.353†	1388.5	1340.2	0.4885 mg/L	0.4885 mg/L	15:47:25
1	Sb 206.836†	271.3	239.3	0.4887 mg/L	0.4887 mg/L	15:47:25
1	Se 196.026†	686.7	653.0	0.9843 mg/L	0.9843 mg/L	15:47:25
1	Sn 189.927†	553.3	532.4	0.4858 mg/L	0.4858 mg/L	15:47:25
1	Ti 337.279†	96873.7	92988.5	0.4997 mg/L	0.4997 mg/L	15:47:15
1	Tl 190.801†	145.6	135.3	0.4796 mg/L	0.4796 mg/L	15:47:25
1	V 292.402†	24267.8	23946.3	0.5031 mg/L	0.5031 mg/L	15:47:15
1	Zn 213.857†	23691.7	22051.8	0.4979 mg/L	0.4979 mg/L	15:47:15
2	B 249.677†	913.4	885.2	0.5173 mg/L	0.5173 mg/L	15:47:11
2	Fe 234.349†	3281.4	3162.1	2.598 mg/L	2.598 mg/L	15:47:11
2	K 766.490†	50311.9	48429.9	25.54 mg/L	25.54 mg/L	15:47:01
2	Li 670.784†	18943.2	18423.5	0.5223 mg/L	0.5223 mg/L	15:47:01
2	Na 589.592†	152051.1	147347.9	25.72 mg/L	25.72 mg/L	15:47:01
2	Sr 407.771†	48441.2	46676.0	0.0516 mg/L	0.0516 mg/L	15:47:01
2	Y 371.029	643073.4	643073.4	1.04 mg/L		15:47:27
2	Ag 328.068†	14403.6	12468.1	0.2506 mg/L	0.2506 mg/L	15:47:27
2	Al 237.313†	6750.3	6674.4	2.508 mg/L	2.508 mg/L	15:47:27
2	As 188.979†	231.8	218.6	0.5023 mg/L	0.5023 mg/L	15:47:38
2	B 182.528†	159.6	159.6	0.5049 mg/L	0.5049 mg/L	15:47:38
2	Ba 233.527†	8456.4	8212.7	0.4963 mg/L	0.4963 mg/L	15:47:27
2	Be 313.107†	48816.5	47514.2	0.0502 mg/L	0.0502 mg/L	15:47:27
2	Ca 315.887†	148780.1	144550.5	4.974 mg/L	4.974 mg/L	15:47:27
2	Cd 228.802†	2846.0	2693.6	0.2458 mg/L	0.2458 mg/L	15:47:38
2	Co 228.616†	6421.1	6231.9	0.4955 mg/L	0.4955 mg/L	15:47:38
2	Cr 267.716†	14087.5	13177.8	0.4988 mg/L	0.4988 mg/L	15:47:27
2	Cu 324.752†	38923.9	35707.0	0.4928 mg/L	0.4928 mg/L	15:47:27
2	Fe 238.204†	93122.3	89803.1	2.496 mg/L	2.496 mg/L	15:47:27
2	Mg 279.077†	23719.4	22710.7	4.958 mg/L	4.958 mg/L	15:47:27
2	Mn 257.610†	99997.1	96263.0	0.4982 mg/L	0.4982 mg/L	15:47:27
2	Mo 202.031†	2259.8	2186.3	0.4973 mg/L	0.4973 mg/L	15:47:38
2	Ni 231.604†	5128.3	4958.9	0.4949 mg/L	0.4949 mg/L	15:47:27
2	P 214.914†	5722.3	5344.9	5.009 mg/L	5.009 mg/L	15:47:38
2	Pb 220.353†	1389.8	1357.0	0.4947 mg/L	0.4947 mg/L	15:47:38
2	Sb 206.836†	276.8	247.5	0.5056 mg/L	0.5056 mg/L	15:47:38
2	Se 196.026†	685.8	659.9	0.9946 mg/L	0.9946 mg/L	15:47:38
2	Sn 189.927†	579.3	563.7	0.5140 mg/L	0.5140 mg/L	15:47:38
2	Ti 337.279†	95505.4	92755.6	0.4985 mg/L	0.4985 mg/L	15:47:27
2	Tl 190.801†	145.4	136.7	0.4845 mg/L	0.4845 mg/L	15:47:38
2	V 292.402†	23985.1	23945.9	0.5032 mg/L	0.5032 mg/L	15:47:27
2	Zn 213.857†	23371.8	22009.1	0.4970 mg/L	0.4970 mg/L	15:47:27

Mean Data: ICV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	646858.0	1.04 mg/L	0.009			0.83%
Ag 328.068†	12428.3	0.2498 mg/L	0.00113	0.2498 mg/L	0.00113	0.45%

QC value within limits for Ag 328.068 Recovery = 99.92%

Al	237.313†	6621.7	2.489 mg/L	0.0280	2.489 mg/L	0.0280	1.13%
	QC value within limits for Al	237.313	Recovery =	99.55%			
As	188.979†	214.4	0.4927 mg/L	0.01364	0.4927 mg/L	0.01364	2.77%
	QC value within limits for As	188.979	Recovery =	98.53%			
B	182.528†	157.7	0.4988 mg/L	0.00867	0.4988 mg/L	0.00867	1.74%
	QC value within limits for B	182.528	Recovery =	99.76%			
B	249.677†	883.3	0.5161 mg/L	0.00157	0.5161 mg/L	0.00157	0.31%
	QC value within limits for B	249.677	Recovery =	103.23%			
Ba	233.527†	8228.7	0.4973 mg/L	0.00137	0.4973 mg/L	0.00137	0.28%
	QC value within limits for Ba	233.527	Recovery =	99.46%			
Be	313.107†	47569.3	0.0503 mg/L	0.00008	0.0503 mg/L	0.00008	0.16%
	QC value within limits for Be	313.107	Recovery =	100.55%			
Ca	315.887†	144739.7	4.980 mg/L	0.0092	4.980 mg/L	0.0092	0.18%
	QC value within limits for Ca	315.887	Recovery =	99.60%			
Cd	228.802†	2667.2	0.2435 mg/L	0.00339	0.2435 mg/L	0.00339	1.39%
	QC value within limits for Cd	228.802	Recovery =	97.38%			
Co	228.616†	6194.6	0.4925 mg/L	0.00420	0.4925 mg/L	0.00420	0.85%
	QC value within limits for Co	228.616	Recovery =	98.50%			
Cr	267.716†	13175.4	0.4987 mg/L	0.00014	0.4987 mg/L	0.00014	0.03%
	QC value within limits for Cr	267.716	Recovery =	99.74%			
Cu	324.752†	35776.1	0.4937 mg/L	0.00134	0.4937 mg/L	0.00134	0.27%
	QC value within limits for Cu	324.752	Recovery =	98.74%			
Fe	234.349†	3156.1	2.593 mg/L	0.0071	2.593 mg/L	0.0071	0.27%
	QC value within limits for Fe	234.349	Recovery =	103.72%			
Fe	238.204†	89857.8	2.497 mg/L	0.0021	2.497 mg/L	0.0021	0.09%
	QC value within limits for Fe	238.204	Recovery =	99.89%			
K	766.490†	48317.4	25.48 mg/L	0.084	25.48 mg/L	0.084	0.33%
	QC value within limits for K	766.490	Recovery =	101.94%			
Li	670.784†	18296.3	0.5187 mg/L	0.00515	0.5187 mg/L	0.00515	0.99%
	QC value within limits for Li	670.784	Recovery =	103.74%			
Mg	279.077†	22731.8	4.962 mg/L	0.0065	4.962 mg/L	0.0065	0.13%
	QC value within limits for Mg	279.077	Recovery =	99.24%			
Mn	257.610†	96345.5	0.4987 mg/L	0.00060	0.4987 mg/L	0.00060	0.12%
	QC value within limits for Mn	257.610	Recovery =	99.73%			
Mo	202.031†	2164.3	0.4923 mg/L	0.00706	0.4923 mg/L	0.00706	1.43%
	QC value within limits for Mo	202.031	Recovery =	98.45%			
Na	589.592†	146743.5	25.62 mg/L	0.151	25.62 mg/L	0.151	0.59%
	QC value within limits for Na	589.592	Recovery =	102.47%			
Ni	231.604†	4994.5	0.4985 mg/L	0.00501	0.4985 mg/L	0.00501	1.00%
	QC value within limits for Ni	231.604	Recovery =	99.69%			
P	214.914†	5298.2	4.965 mg/L	0.0620	4.965 mg/L	0.0620	1.25%
	QC value within limits for P	214.914	Recovery =	99.29%			
Pb	220.353†	1348.6	0.4916 mg/L	0.00433	0.4916 mg/L	0.00433	0.88%
	QC value within limits for Pb	220.353	Recovery =	98.32%			
Sb	206.836†	243.4	0.4971 mg/L	0.01194	0.4971 mg/L	0.01194	2.40%
	QC value within limits for Sb	206.836	Recovery =	99.43%			
Se	196.026†	656.5	0.9894 mg/L	0.00728	0.9894 mg/L	0.00728	0.74%
	QC value within limits for Se	196.026	Recovery =	98.94%			
Sn	189.927†	548.0	0.4999 mg/L	0.01990	0.4999 mg/L	0.01990	3.98%
	QC value within limits for Sn	189.927	Recovery =	99.98%			
Sr	407.771†	46430.8	0.0514 mg/L	0.00039	0.0514 mg/L	0.00039	0.75%
	QC value within limits for Sr	407.771	Recovery =	102.73%			
Ti	337.279†	92872.0	0.4991 mg/L	0.00089	0.4991 mg/L	0.00089	0.18%
	QC value within limits for Ti	337.279	Recovery =	99.82%			
Tl	190.801†	136.0	0.4821 mg/L	0.00348	0.4821 mg/L	0.00348	0.72%
	QC value within limits for Tl	190.801	Recovery =	96.42%			
V	292.402†	23946.1	0.5032 mg/L	0.00005	0.5032 mg/L	0.00005	0.01%
	QC value within limits for V	292.402	Recovery =	100.63%			
Zn	213.857†	22030.4	0.4974 mg/L	0.00066	0.4974 mg/L	0.00066	0.13%
	QC value within limits for Zn	213.857	Recovery =	99.49%			

All analyte(s) passed QC.

Sequence No.: 6	Autosampler Location: 5
Sample ID: SCV1	Date Collected: 10/9/2012 3:49:16 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	864.6	865.5	0.5057 mg/L	0.5057 mg/L	15:51:10
1	Fe 234.349†	3094.6	3079.9	2.530 mg/L	2.530 mg/L	15:51:10
1	K 766.490†	49079.7	48795.7	25.74 mg/L	25.74 mg/L	15:51:00
1	Li 670.784†	18207.5	18290.3	0.5185 mg/L	0.5185 mg/L	15:51:00
1	Na 589.592†	147625.1	147753.4	25.80 mg/L	25.80 mg/L	15:51:00
1	Sr 407.771†	45720.0	45498.1	0.0503 mg/L	0.0503 mg/L	15:51:00
1	Y 371.029	622634.2	622634.2	1.00 mg/L		15:51:27
1	Ag 328.068†	14122.0	12643.8	0.2541 mg/L	0.2541 mg/L	15:51:27
1	Al 237.313†	6379.9	6518.9	2.450 mg/L	2.450 mg/L	15:51:27
1	As 188.979†	220.6	214.7	0.4934 mg/L	0.4934 mg/L	15:51:37
1	B 182.528†	152.8	157.9	0.4994 mg/L	0.4994 mg/L	15:51:37
1	Ba 233.527†	8248.1	8272.9	0.5000 mg/L	0.5000 mg/L	15:51:27
1	Be 313.107†	48249.7	48495.8	0.0513 mg/L	0.0513 mg/L	15:51:27
1	Ca 315.887†	141742.6	142248.9	4.895 mg/L	4.895 mg/L	15:51:27
1	Cd 228.802†	2814.3	2752.1	0.2513 mg/L	0.2513 mg/L	15:51:37
1	Co 228.616†	6346.5	6361.0	0.5058 mg/L	0.5058 mg/L	15:51:37
1	Cr 267.716†	13970.3	13507.3	0.5113 mg/L	0.5113 mg/L	15:51:27
1	Cu 324.752†	38387.9	36406.0	0.5023 mg/L	0.5023 mg/L	15:51:27
1	Fe 238.204†	90588.4	90227.6	2.508 mg/L	2.508 mg/L	15:51:27
1	Mg 279.077†	23240.8	22985.2	5.017 mg/L	5.017 mg/L	15:51:27
1	Mn 257.610†	97870.3	97311.2	0.5037 mg/L	0.5037 mg/L	15:51:27
1	Mo 202.031†	2211.1	2209.3	0.5025 mg/L	0.5025 mg/L	15:51:37
1	Ni 231.604†	5078.2	5071.5	0.5062 mg/L	0.5062 mg/L	15:51:27
1	P 214.914†	5587.2	5391.5	5.052 mg/L	5.052 mg/L	15:51:37
1	Pb 220.353†	1339.8	1351.2	0.4925 mg/L	0.4925 mg/L	15:51:37
1	Sb 206.836†	261.0	240.6	0.4915 mg/L	0.4915 mg/L	15:51:37
1	Se 196.026†	692.5	688.3	1.037 mg/L	1.037 mg/L	15:51:37
1	Sn 189.927†	575.4	578.2	0.5267 mg/L	0.5267 mg/L	15:51:37
1	Ti 337.279†	88964.1	89260.7	0.4797 mg/L	0.4797 mg/L	15:51:27
1	Tl 190.801†	147.9	143.8	0.5097 mg/L	0.5097 mg/L	15:51:37
1	V 292.402†	23374.4	24097.0	0.5065 mg/L	0.5065 mg/L	15:51:27
1	Zn 213.857†	22914.2	22293.4	0.5034 mg/L	0.5034 mg/L	15:51:27
2	B 249.677†	864.0	851.8	0.4976 mg/L	0.4976 mg/L	15:51:23
2	Fe 234.349†	3088.3	3026.5	2.486 mg/L	2.486 mg/L	15:51:23
2	K 766.490†	48900.3	47872.5	25.25 mg/L	25.25 mg/L	15:51:13
2	Li 670.784†	18205.6	18011.3	0.5105 mg/L	0.5105 mg/L	15:51:13
2	Na 589.592†	147231.7	145120.3	25.33 mg/L	25.33 mg/L	15:51:13
2	Sr 407.771†	45434.2	44521.6	0.0492 mg/L	0.0492 mg/L	15:51:13
2	Y 371.029	632288.3	632288.3	1.02 mg/L		15:51:39
2	Ag 328.068†	14230.2	12535.0	0.2519 mg/L	0.2519 mg/L	15:51:39
2	Al 237.313†	6457.1	6497.6	2.442 mg/L	2.442 mg/L	15:51:39
2	As 188.979†	227.1	217.7	0.5004 mg/L	0.5004 mg/L	15:51:50
2	B 182.528†	155.8	158.5	0.5014 mg/L	0.5014 mg/L	15:51:50
2	Ba 233.527†	8389.6	8286.3	0.5008 mg/L	0.5008 mg/L	15:51:39
2	Be 313.107†	49338.5	48830.3	0.0516 mg/L	0.0516 mg/L	15:51:39
2	Ca 315.887†	144420.4	142720.2	4.911 mg/L	4.911 mg/L	15:51:39
2	Cd 228.802†	2816.1	2711.1	0.2475 mg/L	0.2475 mg/L	15:51:50
2	Co 228.616†	6349.9	6267.7	0.4984 mg/L	0.4984 mg/L	15:51:50
2	Cr 267.716†	14124.6	13446.2	0.5089 mg/L	0.5089 mg/L	15:51:39
2	Cu 324.752†	39094.8	36515.6	0.5038 mg/L	0.5038 mg/L	15:51:39
2	Fe 238.204†	92155.7	90387.3	2.512 mg/L	2.512 mg/L	15:51:39
2	Mg 279.077†	23497.2	22883.1	4.995 mg/L	4.995 mg/L	15:51:39
2	Mn 257.610†	99514.8	97435.8	0.5043 mg/L	0.5043 mg/L	15:51:39
2	Mo 202.031†	2196.4	2161.2	0.4916 mg/L	0.4916 mg/L	15:51:50
2	Ni 231.604†	5146.5	5061.2	0.5051 mg/L	0.5051 mg/L	15:51:39
2	P 214.914†	5577.2	5296.6	4.963 mg/L	4.963 mg/L	15:51:50
2	Pb 220.353†	1347.8	1338.7	0.4880 mg/L	0.4880 mg/L	15:51:50
2	Sb 206.836†	263.0	238.6	0.4875 mg/L	0.4875 mg/L	15:51:50
2	Se 196.026†	687.9	673.3	1.015 mg/L	1.015 mg/L	15:51:50
2	Sn 189.927†	559.6	553.9	0.5048 mg/L	0.5048 mg/L	15:51:50
2	Ti 337.279†	89679.1	88608.4	0.4762 mg/L	0.4762 mg/L	15:51:39
2	Tl 190.801†	142.2	135.9	0.4820 mg/L	0.4820 mg/L	15:51:50
2	V 292.402†	23809.9	24168.8	0.5079 mg/L	0.5079 mg/L	15:51:39
2	Zn 213.857†	23296.6	22320.0	0.5040 mg/L	0.5040 mg/L	15:51:39

Mean Data: SCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	627461.3	1.01 mg/L	0.011			1.09%
Ag 328.068†	12589.4	0.2530 mg/L	0.00155	0.2530 mg/L	0.00155	0.61%
QC value within limits for Ag 328.068 Recovery = 101.21%						
Al 237.313†	6508.3	2.446 mg/L	0.0057	2.446 mg/L	0.0057	0.23%

QC value within limits for Al	237.313	Recovery =	97.85%				
As 188.979†	216.2	0.4969 mg/L	0.00490	0.4969 mg/L	0.00490	0.99%	
QC value within limits for As	188.979	Recovery =	99.38%				
B 182.528†	158.2	0.5004 mg/L	0.00140	0.5004 mg/L	0.00140	0.28%	
QC value within limits for B	182.528	Recovery =	100.08%				
B 249.677†	858.6	0.5017 mg/L	0.00569	0.5017 mg/L	0.00569	1.13%	
QC value within limits for B	249.677	Recovery =	100.33%				
Ba 233.527†	8279.6	0.5004 mg/L	0.00057	0.5004 mg/L	0.00057	0.11%	
QC value within limits for Ba	233.527	Recovery =	100.07%				
Be 313.107†	48663.1	0.0514 mg/L	0.00025	0.0514 mg/L	0.00025	0.49%	
QC value within limits for Be	313.107	Recovery =	102.86%				
Ca 315.887†	142484.5	4.903 mg/L	0.0115	4.903 mg/L	0.0115	0.23%	
QC value within limits for Ca	315.887	Recovery =	98.05%				
Cd 228.802†	2731.6	0.2494 mg/L	0.00270	0.2494 mg/L	0.00270	1.08%	
QC value within limits for Cd	228.802	Recovery =	99.75%				
Co 228.616†	6314.4	0.5021 mg/L	0.00524	0.5021 mg/L	0.00524	1.04%	
QC value within limits for Co	228.616	Recovery =	100.41%				
Cr 267.716†	13476.7	0.5101 mg/L	0.00164	0.5101 mg/L	0.00164	0.32%	
QC value within limits for Cr	267.716	Recovery =	102.02%				
Cu 324.752†	36460.8	0.5031 mg/L	0.00106	0.5031 mg/L	0.00106	0.21%	
QC value within limits for Cu	324.752	Recovery =	100.61%				
Fe 234.349†	3053.2	2.508 mg/L	0.0312	2.508 mg/L	0.0312	1.24%	
QC value within limits for Fe	234.349	Recovery =	100.31%				
Fe 238.204†	90307.5	2.510 mg/L	0.0031	2.510 mg/L	0.0031	0.13%	
QC value within limits for Fe	238.204	Recovery =	100.39%				
K 766.490†	48334.1	25.49 mg/L	0.346	25.49 mg/L	0.346	1.36%	
QC value within limits for K	766.490	Recovery =	101.97%				
Li 670.784†	18150.8	0.5145 mg/L	0.00565	0.5145 mg/L	0.00565	1.10%	
QC value within limits for Li	670.784	Recovery =	102.90%				
Mg 279.077†	22934.2	5.006 mg/L	0.0157	5.006 mg/L	0.0157	0.31%	
QC value within limits for Mg	279.077	Recovery =	100.12%				
Mn 257.610†	97373.5	0.5040 mg/L	0.00046	0.5040 mg/L	0.00046	0.09%	
QC value within limits for Mn	257.610	Recovery =	100.80%				
Mo 202.031†	2185.2	0.4970 mg/L	0.00773	0.4970 mg/L	0.00773	1.55%	
QC value within limits for Mo	202.031	Recovery =	99.41%				
Na 589.592†	146436.8	25.56 mg/L	0.328	25.56 mg/L	0.328	1.28%	
QC value within limits for Na	589.592	Recovery =	102.26%				
Ni 231.604†	5066.4	0.5056 mg/L	0.00074	0.5056 mg/L	0.00074	0.15%	
QC value within limits for Ni	231.604	Recovery =	101.13%				
P 214.914†	5344.1	5.007 mg/L	0.0631	5.007 mg/L	0.0631	1.26%	
QC value within limits for P	214.914	Recovery =	100.15%				
Pb 220.353†	1344.9	0.4903 mg/L	0.00323	0.4903 mg/L	0.00323	0.66%	
QC value within limits for Pb	220.353	Recovery =	98.05%				
Sb 206.836†	239.6	0.4895 mg/L	0.00286	0.4895 mg/L	0.00286	0.59%	
QC value within limits for Sb	206.836	Recovery =	97.90%				
Se 196.026†	680.8	1.026 mg/L	0.0160	1.026 mg/L	0.0160	1.56%	
QC value within limits for Se	196.026	Recovery =	102.59%				
Sn 189.927†	566.0	0.5158 mg/L	0.01550	0.5158 mg/L	0.01550	3.01%	
QC value within limits for Sn	189.927	Recovery =	103.15%				
Sr 407.771†	45009.8	0.0498 mg/L	0.00077	0.0498 mg/L	0.00077	1.54%	
QC value within limits for Sr	407.771	Recovery =	99.57%				
Ti 337.279†	88934.6	0.4780 mg/L	0.00248	0.4780 mg/L	0.00248	0.52%	
QC value within limits for Ti	337.279	Recovery =	95.59%				
Tl 190.801†	139.8	0.4958 mg/L	0.01956	0.4958 mg/L	0.01956	3.94%	
QC value within limits for Tl	190.801	Recovery =	99.17%				
V 292.402†	24132.9	0.5072 mg/L	0.00100	0.5072 mg/L	0.00100	0.20%	
QC value within limits for V	292.402	Recovery =	101.44%				
Zn 213.857†	22306.7	0.5037 mg/L	0.00043	0.5037 mg/L	0.00043	0.09%	
QC value within limits for Zn	213.857	Recovery =	100.74%				

All analyte(s) passed QC.

Sequence No.: 7	Autosampler Location: 1
Sample ID: ICB1	Date Collected: 10/9/2012 3:53:29 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: ICB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.4	6.9	0.0036 mg/L	0.0036 mg/L	15:55:28

1	Fe 234.349†	4.4	-0.7	-0.0091 mg/L	-0.0091 mg/L	15:55:28
1	K 766.490†	216.5	84.9	-0.1008 mg/L	-0.1008 mg/L	15:55:18
1	Li 670.784†	-92.3	47.4	-0.0037 mg/L	-0.0037 mg/L	15:55:18
1	Na 589.592†	-400.0	189.0	-0.2127 mg/L	-0.2127 mg/L	15:55:18
1	Sr 407.771†	113.4	33.6	-0.0002 mg/L	-0.0002 mg/L	15:55:18
1	Y 371.029	622095.4	622095.4	1.00 mg/L		15:55:53
1	Ag 328.068†	1530.4	92.7	0.0014 mg/L	0.0014 mg/L	15:55:53
1	Al 237.313†	-112.6	46.6	0.0118 mg/L	0.0118 mg/L	15:56:03
1	As 188.979†	5.1	-0.1	-0.0002 mg/L	-0.0002 mg/L	15:56:03
1	B 182.528†	-2.4	3.1	0.0128 mg/L	0.0128 mg/L	15:56:03
1	Ba 233.527†	-56.5	-5.9	0.0004 mg/L	0.0004 mg/L	15:56:03
1	Be 313.107†	-391.8	5.6	-0.0001 mg/L	-0.0001 mg/L	15:55:53
1	Ca 315.887†	-822.7	127.0	0.0130 mg/L	0.0130 mg/L	15:55:53
1	Cd 228.802†	57.5	4.0	0.0002 mg/L	0.0002 mg/L	15:56:03
1	Co 228.616†	-32.0	2.4	0.0009 mg/L	0.0009 mg/L	15:56:03
1	Cr 267.716†	410.7	-9.7	-0.0004 mg/L	-0.0004 mg/L	15:55:53
1	Cu 324.752†	1935.2	68.5	0.0047 mg/L	0.0047 mg/L	15:55:53
1	Fe 238.204†	293.3	214.0	0.0062 mg/L	0.0062 mg/L	15:56:03
1	Mg 279.077†	156.9	-26.7	0.0119 mg/L	0.0119 mg/L	15:55:53
1	Mn 257.610†	314.3	59.2	0.0003 mg/L	0.0003 mg/L	15:56:03
1	Mo 202.031†	11.8	16.8	0.0052 mg/L	0.0052 mg/L	15:56:03
1	Ni 231.604†	2.9	12.1	0.0004 mg/L	0.0004 mg/L	15:56:03
1	P 214.914†	180.8	2.0	-0.0069 mg/L	-0.0069 mg/L	15:56:03
1	Pb 220.353†	-12.1	3.5	0.0019 mg/L	0.0019 mg/L	15:56:03
1	Sb 206.836†	24.9	5.3	0.0121 mg/L	0.0121 mg/L	15:56:03
1	Se 196.026†	-3.9	-6.0	-0.0058 mg/L	-0.0058 mg/L	15:56:03
1	Sn 189.927†	-4.1	0.5	0.0009 mg/L	0.0009 mg/L	15:56:03
1	Ti 337.279†	-525.9	49.0	0.0001 mg/L	0.0001 mg/L	15:55:53
1	Tl 190.801†	-0.4	-4.0	-0.0074 mg/L	-0.0074 mg/L	15:56:03
1	V 292.402†	-700.5	96.5	0.0010 mg/L	0.0010 mg/L	15:55:53
1	Zn 213.857†	567.6	16.9	-0.0003 mg/L	-0.0003 mg/L	15:56:03
2	B 249.677†	-2.8	0.8	0.0000 mg/L	0.0000 mg/L	15:55:49
2	Fe 234.349†	2.1	-3.0	-0.0110 mg/L	-0.0110 mg/L	15:55:49
2	K 766.490†	203.6	72.4	-0.1074 mg/L	-0.1074 mg/L	15:55:39
2	Li 670.784†	-128.3	11.3	-0.0047 mg/L	-0.0047 mg/L	15:55:39
2	Na 589.592†	-437.7	150.6	-0.2195 mg/L	-0.2195 mg/L	15:55:39
2	Sr 407.771†	91.4	11.8	-0.0002 mg/L	-0.0002 mg/L	15:55:39
2	Y 371.029	620871.1	620871.1	1.00 mg/L		15:56:05
2	Ag 328.068†	1607.2	172.5	0.0030 mg/L	0.0030 mg/L	15:56:05
2	Al 237.313†	-135.3	23.6	0.0032 mg/L	0.0032 mg/L	15:56:15
2	As 188.979†	3.5	-1.7	-0.0039 mg/L	-0.0039 mg/L	15:56:15
2	B 182.528†	-4.5	1.0	0.0062 mg/L	0.0062 mg/L	15:56:15
2	Ba 233.527†	-31.0	19.5	0.0019 mg/L	0.0019 mg/L	15:56:15
2	Be 313.107†	-355.9	40.6	-0.0001 mg/L	-0.0001 mg/L	15:56:05
2	Ca 315.887†	-940.5	7.6	0.0089 mg/L	0.0089 mg/L	15:56:05
2	Cd 228.802†	57.4	4.0	0.0002 mg/L	0.0002 mg/L	15:56:15
2	Co 228.616†	-25.7	8.6	0.0014 mg/L	0.0014 mg/L	15:56:15
2	Cr 267.716†	379.2	-40.3	-0.0016 mg/L	-0.0016 mg/L	15:56:05
2	Cu 324.752†	1880.8	17.9	0.0040 mg/L	0.0040 mg/L	15:56:05
2	Fe 238.204†	195.3	116.6	0.0035 mg/L	0.0035 mg/L	15:56:15
2	Mg 279.077†	198.7	15.4	0.0210 mg/L	0.0210 mg/L	15:56:05
2	Mn 257.610†	338.4	84.0	0.0004 mg/L	0.0004 mg/L	15:56:15
2	Mo 202.031†	8.7	13.8	0.0045 mg/L	0.0045 mg/L	15:56:15
2	Ni 231.604†	-1.2	8.0	0.0000 mg/L	0.0000 mg/L	15:56:15
2	P 214.914†	160.8	-17.5	-0.0252 mg/L	-0.0252 mg/L	15:56:15
2	Pb 220.353†	-20.2	-4.5	-0.0011 mg/L	-0.0011 mg/L	15:56:15
2	Sb 206.836†	21.1	1.5	0.0046 mg/L	0.0046 mg/L	15:56:15
2	Se 196.026†	4.3	2.3	0.0066 mg/L	0.0066 mg/L	15:56:15
2	Sn 189.927†	4.5	9.0	0.0085 mg/L	0.0085 mg/L	15:56:15
2	Ti 337.279†	-743.1	-169.2	-0.0011 mg/L	-0.0011 mg/L	15:56:05
2	Tl 190.801†	2.5	-1.2	0.0027 mg/L	0.0027 mg/L	15:56:15
2	V 292.402†	-767.7	27.9	-0.0004 mg/L	-0.0004 mg/L	15:56:05
2	Zn 213.857†	556.7	7.1	-0.0006 mg/L	-0.0006 mg/L	15:56:15

Mean Data: ICB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	621483.2	1.00 mg/L	0.001			0.14%
Ag 328.068†	132.6	0.0022 mg/L	0.00113	0.0022 mg/L	0.00113	51.19%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	35.1	0.0075 mg/L	0.00609	0.0075 mg/L	0.00609	81.14%
QC value within limits for Al 237.313 Recovery = Not calculated						

Table with columns: Element, Value, Recovery, Units, etc. Rows include As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, Zn, QC Failed.

Sequence No.: 8
Sample ID: CRL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 6
Date Collected: 10/9/2012 3:57:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Table with columns: Repl#, Analyte, Net Intensity, Corrected Intensity, Calib. Conc. Units, Sample Conc. Units, Analysis Time. Rows include B 249.677+ and Fe 234.349+.

1	K 766.490†	5297.2	5225.6	2.626 mg/L	2.626 mg/L	15:59:36
1	Li 670.784†	1841.2	2001.4	0.0522 mg/L	0.0522 mg/L	15:59:36
1	Na 589.592†	15430.9	16192.4	2.608 mg/L	2.608 mg/L	15:59:36
1	Sr 407.771†	4999.8	4976.5	0.0053 mg/L	0.0053 mg/L	15:59:36
1	Y 371.029	613798.5	613798.5	0.989 mg/L		16:00:03
1	Ag 328.068†	2789.7	1386.8	0.0275 mg/L	0.0275 mg/L	16:00:03
1	Al 237.313†	523.0	687.8	0.2534 mg/L	0.2534 mg/L	16:00:13
1	As 188.979†	29.6	24.7	0.0569 mg/L	0.0569 mg/L	16:00:13
1	B 182.528†	13.3	19.1	0.0629 mg/L	0.0629 mg/L	16:00:13
1	Ba 233.527†	819.1	878.9	0.0538 mg/L	0.0538 mg/L	16:00:13
1	Be 313.107†	4563.4	5011.2	0.0052 mg/L	0.0052 mg/L	16:00:03
1	Ca 315.887†	13681.3	14782.8	0.5164 mg/L	0.5164 mg/L	16:00:03
1	Cd 228.802†	332.8	283.2	0.0257 mg/L	0.0257 mg/L	16:00:13
1	Co 228.616†	620.1	661.3	0.0533 mg/L	0.0533 mg/L	16:00:13
1	Cr 267.716†	1740.2	1340.3	0.0507 mg/L	0.0507 mg/L	16:00:03
1	Cu 324.752†	5354.2	3552.0	0.0524 mg/L	0.0524 mg/L	16:00:03
1	Fe 238.204†	9218.7	9243.7	0.2571 mg/L	0.2571 mg/L	16:00:03
1	Mg 279.077†	2386.0	2229.5	0.5027 mg/L	0.5027 mg/L	16:00:03
1	Mn 257.610†	10037.5	9896.0	0.0512 mg/L	0.0512 mg/L	16:00:03
1	Mo 202.031†	223.8	231.4	0.0539 mg/L	0.0539 mg/L	16:00:13
1	Ni 231.604†	513.3	528.2	0.0520 mg/L	0.0520 mg/L	16:00:13
1	P 214.914†	749.1	579.2	0.5350 mg/L	0.5350 mg/L	16:00:13
1	Pb 220.353†	138.9	156.0	0.0574 mg/L	0.0574 mg/L	16:00:13
1	Sb 206.836†	45.6	26.5	0.0554 mg/L	0.0554 mg/L	16:00:13
1	Se 196.026†	67.7	66.5	0.1030 mg/L	0.1030 mg/L	16:00:13
1	Sn 189.927†	47.1	52.2	0.0481 mg/L	0.0481 mg/L	16:00:13
1	Ti 337.279†	8704.4	9375.9	0.0502 mg/L	0.0502 mg/L	16:00:03
1	Tl 190.801†	15.5	12.0	0.0487 mg/L	0.0487 mg/L	16:00:13
1	V 292.402†	1769.4	2584.8	0.0534 mg/L	0.0534 mg/L	16:00:03
1	Zn 213.857†	2892.8	2375.9	0.0530 mg/L	0.0530 mg/L	16:00:13
2	B 249.677†	90.8	94.7	0.0550 mg/L	0.0550 mg/L	15:59:59
2	Fe 234.349†	320.1	316.5	0.2523 mg/L	0.2523 mg/L	15:59:59
2	K 766.490†	5257.3	5150.0	2.586 mg/L	2.586 mg/L	15:59:49
2	Li 670.784†	1811.1	1958.8	0.0510 mg/L	0.0510 mg/L	15:59:49
2	Na 589.592†	15237.0	15894.3	2.555 mg/L	2.555 mg/L	15:59:49
2	Sr 407.771†	4905.8	4848.5	0.0052 mg/L	0.0052 mg/L	15:59:49
2	Y 371.029	617888.6	617888.6	0.995 mg/L		16:00:15
2	Ag 328.068†	2752.1	1330.4	0.0263 mg/L	0.0263 mg/L	16:00:15
2	Al 237.313†	517.6	678.9	0.2500 mg/L	0.2500 mg/L	16:00:25
2	As 188.979†	28.4	23.3	0.0536 mg/L	0.0536 mg/L	16:00:25
2	B 182.528†	9.9	15.5	0.0517 mg/L	0.0517 mg/L	16:00:25
2	Ba 233.527†	788.3	842.4	0.0516 mg/L	0.0516 mg/L	16:00:25
2	Be 313.107†	4565.1	4982.3	0.0051 mg/L	0.0051 mg/L	16:00:15
2	Ca 315.887†	13623.3	14633.0	0.5112 mg/L	0.5112 mg/L	16:00:15
2	Cd 228.802†	328.4	276.5	0.0251 mg/L	0.0251 mg/L	16:00:25
2	Co 228.616†	603.0	640.0	0.0516 mg/L	0.0516 mg/L	16:00:25
2	Cr 267.716†	1679.3	1267.5	0.0479 mg/L	0.0479 mg/L	16:00:15
2	Cu 324.752†	5400.7	3562.9	0.0525 mg/L	0.0525 mg/L	16:00:15
2	Fe 238.204†	9294.7	9258.3	0.2575 mg/L	0.2575 mg/L	16:00:15
2	Mg 279.077†	2476.2	2304.2	0.5189 mg/L	0.5189 mg/L	16:00:15
2	Mn 257.610†	10165.4	9957.2	0.0515 mg/L	0.0515 mg/L	16:00:15
2	Mo 202.031†	236.5	242.6	0.0564 mg/L	0.0564 mg/L	16:00:25
2	Ni 231.604†	507.5	518.9	0.0511 mg/L	0.0511 mg/L	16:00:25
2	P 214.914†	733.2	558.2	0.5152 mg/L	0.5152 mg/L	16:00:25
2	Pb 220.353†	122.6	138.7	0.0511 mg/L	0.0511 mg/L	16:00:25
2	Sb 206.836†	47.1	27.8	0.0580 mg/L	0.0580 mg/L	16:00:25
2	Se 196.026†	76.1	74.4	0.1149 mg/L	0.1149 mg/L	16:00:25
2	Sn 189.927†	46.3	51.1	0.0470 mg/L	0.0470 mg/L	16:00:25
2	Ti 337.279†	8832.4	9446.2	0.0506 mg/L	0.0506 mg/L	16:00:15
2	Tl 190.801†	16.3	12.8	0.0514 mg/L	0.0514 mg/L	16:00:25
2	V 292.402†	1659.9	2462.9	0.0508 mg/L	0.0508 mg/L	16:00:15
2	Zn 213.857†	2824.8	2288.2	0.0510 mg/L	0.0510 mg/L	16:00:25

Mean Data: CRL1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	615843.5	0.992 mg/L	0.0047			0.47%
Ag 328.068†	1358.6	0.0269 mg/L	0.00080	0.0269 mg/L	0.00080	2.99%
QC value within limits for Ag 328.068 Recovery = 107.61%						
Al 237.313†	683.3	0.2517 mg/L	0.00237	0.2517 mg/L	0.00237	0.94%
QC value within limits for Al 237.313 Recovery = 100.69%						
As 188.979†	24.0	0.0552 mg/L	0.00238	0.0552 mg/L	0.00238	4.31%

QC value within limits for As 188.979	Recovery = 110.49%
B 182.528†	17.3 0.0573 mg/L 0.00786 0.0573 mg/L 0.00786 13.72%
QC value greater than the upper limit for B 182.528	Recovery = 114.59%
B 249.677†	97.1 0.0564 mg/L 0.00194 0.0564 mg/L 0.00194 3.45%
QC value within limits for B 249.677	Recovery = 112.75%
Ba 233.527†	860.6 0.0527 mg/L 0.00155 0.0527 mg/L 0.00155 2.95%
QC value within limits for Ba 233.527	Recovery = 105.33%
Be 313.107†	4996.7 0.0051 mg/L 0.00002 0.0051 mg/L 0.00002 0.42%
QC value within limits for Be 313.107	Recovery = 102.95%
Ca 315.887†	14707.9 0.5138 mg/L 0.00365 0.5138 mg/L 0.00365 0.71%
QC value within limits for Ca 315.887	Recovery = 102.76%
Cd 228.802†	279.8 0.0254 mg/L 0.00042 0.0254 mg/L 0.00042 1.67%
QC value within limits for Cd 228.802	Recovery = 101.42%
Co 228.616†	650.7 0.0524 mg/L 0.00120 0.0524 mg/L 0.00120 2.28%
QC value within limits for Co 228.616	Recovery = 104.83%
Cr 267.716†	1303.9 0.0493 mg/L 0.00195 0.0493 mg/L 0.00195 3.95%
QC value within limits for Cr 267.716	Recovery = 98.63%
Cu 324.752†	3557.5 0.0525 mg/L 0.00011 0.0525 mg/L 0.00011 0.20%
QC value within limits for Cu 324.752	Recovery = 104.92%
Fe 234.349†	320.8 0.2559 mg/L 0.00510 0.2559 mg/L 0.00510 1.99%
QC value within limits for Fe 234.349	Recovery = 102.36%
Fe 238.204†	9251.0 0.2573 mg/L 0.00028 0.2573 mg/L 0.00028 0.11%
QC value within limits for Fe 238.204	Recovery = 102.93%
K 766.490†	5187.8 2.606 mg/L 0.0283 2.606 mg/L 0.0283 1.09%
QC value within limits for K 766.490	Recovery = 104.24%
Li 670.784†	1980.1 0.0516 mg/L 0.00086 0.0516 mg/L 0.00086 1.67%
QC value within limits for Li 670.784	Recovery = 103.26%
Mg 279.077†	2266.9 0.5108 mg/L 0.01149 0.5108 mg/L 0.01149 2.25%
QC value within limits for Mg 279.077	Recovery = 102.16%
Mn 257.610†	9926.6 0.0514 mg/L 0.00022 0.0514 mg/L 0.00022 0.44%
QC value within limits for Mn 257.610	Recovery = 102.71%
Mo 202.031†	237.0 0.0551 mg/L 0.00181 0.0551 mg/L 0.00181 3.29%
QC value within limits for Mo 202.031	Recovery = 110.27%
Na 589.592†	16043.3 2.582 mg/L 0.0372 2.582 mg/L 0.0372 1.44%
QC value within limits for Na 589.592	Recovery = 103.27%
Ni 231.604†	523.5 0.0515 mg/L 0.00065 0.0515 mg/L 0.00065 1.26%
QC value within limits for Ni 231.604	Recovery = 103.08%
P 214.914†	568.7 0.5251 mg/L 0.01401 0.5251 mg/L 0.01401 2.67%
QC value within limits for P 214.914	Recovery = 105.03%
Pb 220.353†	147.4 0.0543 mg/L 0.00446 0.0543 mg/L 0.00446 8.22%
QC value within limits for Pb 220.353	Recovery = 108.51%
Sb 206.836†	27.1 0.0567 mg/L 0.00183 0.0567 mg/L 0.00183 3.23%
QC value within limits for Sb 206.836	Recovery = 113.37%
Se 196.026†	70.5 0.1090 mg/L 0.00844 0.1090 mg/L 0.00844 7.75%
QC value within limits for Se 196.026	Recovery = 108.97%
Sn 189.927†	51.7 0.0476 mg/L 0.00073 0.0476 mg/L 0.00073 1.54%
QC value within limits for Sn 189.927	Recovery = 95.10%
Sr 407.771†	4912.5 0.0053 mg/L 0.00010 0.0053 mg/L 0.00010 1.91%
QC value within limits for Sr 407.771	Recovery = 105.22%
Ti 337.279†	9411.1 0.0504 mg/L 0.00027 0.0504 mg/L 0.00027 0.53%
QC value within limits for Ti 337.279	Recovery = 100.84%
Tl 190.801†	12.4 0.0501 mg/L 0.00192 0.0501 mg/L 0.00192 3.83%
QC value within limits for Tl 190.801	Recovery = 100.15%
V 292.402†	2523.8 0.0521 mg/L 0.00179 0.0521 mg/L 0.00179 3.44%
QC value within limits for V 292.402	Recovery = 104.21%
Zn 213.857†	2332.1 0.0520 mg/L 0.00141 0.0520 mg/L 0.00141 2.71%
QC value within limits for Zn 213.857	Recovery = 104.04%
QC Failed. Continue with analysis.	

Sequence No.: 9 Autosampler Location: 7
Sample ID: CRL2 Date Collected: 10/9/2012 4:02:05 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CRL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	34.8	38.6	0.0222 mg/L	0.0222 mg/L	16:04:05
1	Fe 234.349†	121.1	117.0	0.0879 mg/L	0.0879 mg/L	16:04:05
1	K 766.490†	2167.8	2055.1	0.9443 mg/L	0.9443 mg/L	16:03:55

1	Li 670.784†	644.5	789.5	0.0176 mg/L	0.0176 mg/L	16:03:55
1	Na 589.592†	5644.0	6280.2	0.8609 mg/L	0.8609 mg/L	16:03:55
1	Sr 407.771†	1980.1	1917.4	0.0019 mg/L	0.0019 mg/L	16:03:55
1	Y 371.029	615447.0	615447.0	0.992 mg/L		16:04:29
1	Ag 328.068†	1898.6	480.6	0.0092 mg/L	0.0092 mg/L	16:04:29
1	Al 237.313†	112.1	272.0	0.0968 mg/L	0.0968 mg/L	16:04:39
1	As 188.979†	12.4	7.3	0.0169 mg/L	0.0169 mg/L	16:04:39
1	B 182.528†	0.4	6.0	0.0218 mg/L	0.0218 mg/L	16:04:39
1	Ba 233.527†	273.9	326.7	0.0204 mg/L	0.0204 mg/L	16:04:39
1	Be 313.107†	1596.8	2006.9	0.0020 mg/L	0.0020 mg/L	16:04:29
1	Ca 315.887†	4943.1	5933.1	0.2124 mg/L	0.2124 mg/L	16:04:29
1	Cd 228.802†	161.9	109.9	0.0099 mg/L	0.0099 mg/L	16:04:39
1	Co 228.616†	224.9	261.1	0.0215 mg/L	0.0215 mg/L	16:04:39
1	Cr 267.716†	898.4	486.6	0.0184 mg/L	0.0184 mg/L	16:04:29
1	Cu 324.752†	3227.0	1392.1	0.0228 mg/L	0.0228 mg/L	16:04:29
1	Fe 238.204†	3737.7	3690.9	0.1028 mg/L	0.1028 mg/L	16:04:39
1	Mg 279.077†	1071.7	897.6	0.2129 mg/L	0.2129 mg/L	16:04:29
1	Mn 257.610†	4231.9	4013.7	0.0207 mg/L	0.0207 mg/L	16:04:29
1	Mo 202.031†	102.0	107.9	0.0259 mg/L	0.0259 mg/L	16:04:39
1	Ni 231.604†	204.6	215.4	0.0207 mg/L	0.0207 mg/L	16:04:39
1	P 214.914†	415.6	240.8	0.2173 mg/L	0.2173 mg/L	16:04:39
1	Pb 220.353†	38.5	54.5	0.0204 mg/L	0.0204 mg/L	16:04:39
1	Sb 206.836†	28.8	9.5	0.0208 mg/L	0.0208 mg/L	16:04:39
1	Se 196.026†	30.8	29.1	0.0468 mg/L	0.0468 mg/L	16:04:39
1	Sn 189.927†	16.7	21.4	0.0199 mg/L	0.0199 mg/L	16:04:39
1	Ti 337.279†	3008.3	3607.6	0.0192 mg/L	0.0192 mg/L	16:04:29
1	Tl 190.801†	8.0	4.4	0.0223 mg/L	0.0223 mg/L	16:04:39
1	V 292.402†	138.4	935.0	0.0187 mg/L	0.0187 mg/L	16:04:29
1	Zn 213.857†	1442.5	905.3	0.0197 mg/L	0.0197 mg/L	16:04:39
2	B 249.677†	31.6	35.3	0.0202 mg/L	0.0202 mg/L	16:04:25
2	Fe 234.349†	131.9	127.2	0.0963 mg/L	0.0963 mg/L	16:04:25
2	K 766.490†	2140.7	2015.8	0.9235 mg/L	0.9235 mg/L	16:04:15
2	Li 670.784†	602.9	744.2	0.0163 mg/L	0.0163 mg/L	16:04:15
2	Na 589.592†	5672.2	6277.0	0.8604 mg/L	0.8604 mg/L	16:04:15
2	Sr 407.771†	1972.0	1898.3	0.0019 mg/L	0.0019 mg/L	16:04:15
2	Y 371.029	618869.9	618869.9	0.997 mg/L		16:04:42
2	Ag 328.068†	2019.1	590.8	0.0114 mg/L	0.0114 mg/L	16:04:42
2	Al 237.313†	148.1	307.4	0.1101 mg/L	0.1101 mg/L	16:04:52
2	As 188.979†	16.4	11.2	0.0258 mg/L	0.0258 mg/L	16:04:52
2	B 182.528†	0.3	5.9	0.0215 mg/L	0.0215 mg/L	16:04:52
2	Ba 233.527†	295.4	346.8	0.0217 mg/L	0.0217 mg/L	16:04:52
2	Be 313.107†	1537.2	1938.2	0.0019 mg/L	0.0019 mg/L	16:04:42
2	Ca 315.887†	4775.6	5737.5	0.2057 mg/L	0.2057 mg/L	16:04:42
2	Cd 228.802†	163.6	110.7	0.0099 mg/L	0.0099 mg/L	16:04:52
2	Co 228.616†	208.6	243.5	0.0201 mg/L	0.0201 mg/L	16:04:52
2	Cr 267.716†	943.7	527.1	0.0199 mg/L	0.0199 mg/L	16:04:42
2	Cu 324.752†	3231.0	1378.1	0.0226 mg/L	0.0226 mg/L	16:04:42
2	Fe 238.204†	3763.2	3695.7	0.1029 mg/L	0.1029 mg/L	16:04:52
2	Mg 279.077†	1051.2	871.0	0.2072 mg/L	0.2072 mg/L	16:04:42
2	Mn 257.610†	4213.6	3971.7	0.0205 mg/L	0.0205 mg/L	16:04:42
2	Mo 202.031†	86.5	91.8	0.0222 mg/L	0.0222 mg/L	16:04:52
2	Ni 231.604†	193.8	203.4	0.0195 mg/L	0.0195 mg/L	16:04:52
2	P 214.914†	421.6	244.5	0.2208 mg/L	0.2208 mg/L	16:04:52
2	Pb 220.353†	62.8	78.6	0.0292 mg/L	0.0292 mg/L	16:04:52
2	Sb 206.836†	30.7	11.2	0.0242 mg/L	0.0242 mg/L	16:04:52
2	Se 196.026†	35.4	33.5	0.0534 mg/L	0.0534 mg/L	16:04:52
2	Sn 189.927†	11.1	15.7	0.0148 mg/L	0.0148 mg/L	16:04:52
2	Ti 337.279†	3043.4	3626.1	0.0193 mg/L	0.0193 mg/L	16:04:42
2	Tl 190.801†	3.3	-0.3	0.0055 mg/L	0.0055 mg/L	16:04:52
2	V 292.402†	156.6	952.5	0.0190 mg/L	0.0190 mg/L	16:04:42
2	Zn 213.857†	1443.2	898.0	0.0196 mg/L	0.0196 mg/L	16:04:52

Mean Data: CRL2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	617158.4	0.994 mg/L	0.0039			0.39%
Ag 328.068†	535.7	0.0103 mg/L	0.00157	0.0103 mg/L	0.00157	15.17%
QC value within limits for Ag 328.068 Recovery = 103.34%						
Al 237.313†	289.7	0.1034 mg/L	0.00942	0.1034 mg/L	0.00942	9.10%
QC value within limits for Al 237.313 Recovery = 103.43%						
As 188.979†	9.3	0.0213 mg/L	0.00628	0.0213 mg/L	0.00628	29.42%
QC value within limits for As 188.979 Recovery = 106.74%						

B 182.528†	6.0	0.0216 mg/L	0.00025	0.0216 mg/L	0.00025	1.18%
QC value within limits for B 182.528 Recovery = 108.22%						
B 249.677†	36.9	0.0212 mg/L	0.00139	0.0212 mg/L	0.00139	6.56%
QC value within limits for B 249.677 Recovery = 105.95%						
Ba 233.527†	336.7	0.0210 mg/L	0.00085	0.0210 mg/L	0.00085	4.06%
QC value within limits for Ba 233.527 Recovery = 105.25%						
Be 313.107†	1972.5	0.0019 mg/L	0.00005	0.0019 mg/L	0.00005	2.64%
QC value within limits for Be 313.107 Recovery = 97.12%						
Ca 315.887†	5835.3	0.2090 mg/L	0.00474	0.2090 mg/L	0.00474	2.27%
QC value within limits for Ca 315.887 Recovery = 104.51%						
Cd 228.802†	110.3	0.0099 mg/L	0.00003	0.0099 mg/L	0.00003	0.29%
QC value within limits for Cd 228.802 Recovery = 98.77%						
Co 228.616†	252.3	0.0208 mg/L	0.00099	0.0208 mg/L	0.00099	4.77%
QC value within limits for Co 228.616 Recovery = 103.96%						
Cr 267.716†	506.8	0.0191 mg/L	0.00108	0.0191 mg/L	0.00108	5.63%
QC value within limits for Cr 267.716 Recovery = 95.70%						
Cu 324.752†	1385.1	0.0227 mg/L	0.00014	0.0227 mg/L	0.00014	0.60%
QC value within limits for Cu 324.752 Recovery = 113.53%						
Fe 234.349†	122.1	0.0921 mg/L	0.00594	0.0921 mg/L	0.00594	6.45%
QC value within limits for Fe 234.349 Recovery = 92.10%						
Fe 238.204†	3693.3	0.1029 mg/L	0.00009	0.1029 mg/L	0.00009	0.09%
QC value within limits for Fe 238.204 Recovery = 102.87%						
K 766.490†	2035.5	0.9339 mg/L	0.01472	0.9339 mg/L	0.01472	1.58%
QC value within limits for K 766.490 Recovery = 93.39%						
Li 670.784†	766.9	0.0169 mg/L	0.00092	0.0169 mg/L	0.00092	5.43%
QC value within limits for Li 670.784 Recovery = 84.51%						
Mg 279.077†	884.3	0.2101 mg/L	0.00408	0.2101 mg/L	0.00408	1.94%
QC value within limits for Mg 279.077 Recovery = 105.03%						
Mn 257.610†	3992.7	0.0206 mg/L	0.00015	0.0206 mg/L	0.00015	0.74%
QC value within limits for Mn 257.610 Recovery = 103.20%						
Mo 202.031†	99.9	0.0240 mg/L	0.00259	0.0240 mg/L	0.00259	10.76%
QC value greater than the upper limit for Mo 202.031 Recovery = 120.14%						
Na 589.592†	6278.6	0.8606 mg/L	0.00040	0.8606 mg/L	0.00040	0.05%
QC value within limits for Na 589.592 Recovery = 86.06%						
Ni 231.604†	209.4	0.0201 mg/L	0.00085	0.0201 mg/L	0.00085	4.23%
QC value within limits for Ni 231.604 Recovery = 100.69%						
P 214.914†	242.7	0.2191 mg/L	0.00250	0.2191 mg/L	0.00250	1.14%
QC value within limits for P 214.914 Recovery = 109.53%						
Pb 220.353†	66.5	0.0248 mg/L	0.00623	0.0248 mg/L	0.00623	25.08%
QC value greater than the upper limit for Pb 220.353 Recovery = 124.11%						
Sb 206.836†	10.3	0.0225 mg/L	0.00245	0.0225 mg/L	0.00245	10.90%
QC value within limits for Sb 206.836 Recovery = 112.42%						
Se 196.026†	31.3	0.0501 mg/L	0.00469	0.0501 mg/L	0.00469	9.36%
QC value greater than the upper limit for Se 196.026 Recovery = 125.25%						
Sn 189.927†	18.6	0.0174 mg/L	0.00363	0.0174 mg/L	0.00363	20.91%
QC value within limits for Sn 189.927 Recovery = 86.83%						
Sr 407.771†	1907.8	0.0019 mg/L	0.00002	0.0019 mg/L	0.00002	0.78%
QC value within limits for Sr 407.771 Recovery = 96.24%						
Ti 337.279†	3616.9	0.0193 mg/L	0.00007	0.0193 mg/L	0.00007	0.36%
QC value within limits for Ti 337.279 Recovery = 96.35%						
Tl 190.801†	2.1	0.0139 mg/L	0.01193	0.0139 mg/L	0.01193	85.79%
QC value less than the lower limit for Tl 190.801 Recovery = 69.55%						
V 292.402†	943.7	0.0189 mg/L	0.00024	0.0189 mg/L	0.00024	1.29%
QC value within limits for V 292.402 Recovery = 94.31%						
Zn 213.857†	901.7	0.0197 mg/L	0.00011	0.0197 mg/L	0.00011	0.58%
QC value within limits for Zn 213.857 Recovery = 98.34%						
QC Failed. Continue with analysis.						

Sequence No.: 10
Sample ID: CRL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 10/9/2012 4:06:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	13.8	17.5	0.0098 mg/L	0.0098 mg/L	16:08:34
1	Fe 234.349†	56.4	51.8	0.0341 mg/L	0.0341 mg/L	16:08:34
1	K 766.490†	1106.8	985.3	0.3768 mg/L	0.3768 mg/L	16:08:24
1	Li 670.784†	228.9	370.4	0.0056 mg/L	0.0056 mg/L	16:08:24

1	Na 589.592†	2559.4	3169.9	0.3127 mg/L	0.3127 mg/L	16:08:24
1	Sr 407.771†	1009.6	938.9	0.0008 mg/L	0.0008 mg/L	16:08:24
1	Y 371.029	615316.4	615316.4	0.991 mg/L		16:08:58
1	Ag 328.068†	1764.1	345.2	0.0065 mg/L	0.0065 mg/L	16:08:58
1	Al 237.313†	8.6	167.6	0.0574 mg/L	0.0574 mg/L	16:09:09
1	As 188.979†	11.2	6.1	0.0140 mg/L	0.0140 mg/L	16:09:09
1	B 182.528†	-1.1	4.5	0.0170 mg/L	0.0170 mg/L	16:09:09
1	Ba 233.527†	139.1	190.9	0.0122 mg/L	0.0122 mg/L	16:09:09
1	Be 313.107†	596.1	997.7	0.0009 mg/L	0.0009 mg/L	16:08:58
1	Ca 315.887†	2006.8	2972.2	0.1107 mg/L	0.1107 mg/L	16:08:58
1	Cd 228.802†	108.8	56.4	0.0049 mg/L	0.0049 mg/L	16:09:09
1	Co 228.616†	96.0	131.1	0.0112 mg/L	0.0112 mg/L	16:09:09
1	Cr 267.716†	675.7	262.2	0.0099 mg/L	0.0099 mg/L	16:08:58
1	Cu 324.752†	2519.7	679.3	0.0130 mg/L	0.0130 mg/L	16:08:58
1	Fe 238.204†	1972.5	1911.1	0.0533 mg/L	0.0533 mg/L	16:09:09
1	Mg 279.077†	623.2	445.4	0.1146 mg/L	0.1146 mg/L	16:08:58
1	Mn 257.610†	2290.4	2056.1	0.0106 mg/L	0.0106 mg/L	16:09:09
1	Mo 202.031†	51.0	56.5	0.0142 mg/L	0.0142 mg/L	16:09:09
1	Ni 231.604†	83.2	93.1	0.0085 mg/L	0.0085 mg/L	16:09:09
1	P 214.914†	285.6	109.8	0.0943 mg/L	0.0943 mg/L	16:09:09
1	Pb 220.353†	12.4	28.2	0.0108 mg/L	0.0108 mg/L	16:09:09
1	Sb 206.836†	28.4	9.0	0.0198 mg/L	0.0198 mg/L	16:09:09
1	Se 196.026†	12.4	10.5	0.0189 mg/L	0.0189 mg/L	16:09:09
1	Sn 189.927†	14.1	18.8	0.0174 mg/L	0.0174 mg/L	16:09:09
1	Ti 337.279†	1303.2	1888.2	0.0100 mg/L	0.0100 mg/L	16:08:58
1	Tl 190.801†	6.1	2.5	0.0155 mg/L	0.0155 mg/L	16:09:09
1	V 292.402†	-280.1	512.9	0.0098 mg/L	0.0098 mg/L	16:08:58
1	Zn 213.857†	1025.1	484.6	0.0102 mg/L	0.0102 mg/L	16:09:09
2	B 249.677†	17.2	20.9	0.0118 mg/L	0.0118 mg/L	16:08:55
2	Fe 234.349†	62.5	57.8	0.0391 mg/L	0.0391 mg/L	16:08:55
2	K 766.490†	1114.9	992.0	0.3804 mg/L	0.3804 mg/L	16:08:45
2	Li 670.784†	231.3	372.6	0.0056 mg/L	0.0056 mg/L	16:08:45
2	Na 589.592†	2562.8	3170.0	0.3127 mg/L	0.3127 mg/L	16:08:45
2	Sr 407.771†	1016.1	944.2	0.0009 mg/L	0.0009 mg/L	16:08:45
2	Y 371.029	616107.0	616107.0	0.993 mg/L		16:09:11
2	Ag 328.068†	1767.2	346.2	0.0065 mg/L	0.0065 mg/L	16:09:11
2	Al 237.313†	-20.3	138.5	0.0465 mg/L	0.0465 mg/L	16:09:21
2	As 188.979†	4.4	-0.8	-0.0017 mg/L	-0.0017 mg/L	16:09:21
2	B 182.528†	0.2	5.8	0.0211 mg/L	0.0211 mg/L	16:09:21
2	Ba 233.527†	115.1	166.4	0.0108 mg/L	0.0108 mg/L	16:09:21
2	Be 313.107†	608.2	1009.2	0.0009 mg/L	0.0009 mg/L	16:09:11
2	Ca 315.887†	1977.8	2940.3	0.1096 mg/L	0.1096 mg/L	16:09:11
2	Cd 228.802†	108.6	56.0	0.0050 mg/L	0.0050 mg/L	16:09:21
2	Co 228.616†	85.0	119.9	0.0103 mg/L	0.0103 mg/L	16:09:21
2	Cr 267.716†	675.7	261.2	0.0098 mg/L	0.0098 mg/L	16:09:11
2	Cu 324.752†	2487.6	643.8	0.0126 mg/L	0.0126 mg/L	16:09:11
2	Fe 238.204†	2025.1	1961.6	0.0547 mg/L	0.0547 mg/L	16:09:21
2	Mg 279.077†	587.2	408.3	0.1065 mg/L	0.1065 mg/L	16:09:11
2	Mn 257.610†	2302.1	2064.9	0.0107 mg/L	0.0107 mg/L	16:09:21
2	Mo 202.031†	47.5	52.9	0.0134 mg/L	0.0134 mg/L	16:09:21
2	Ni 231.604†	94.4	104.2	0.0096 mg/L	0.0096 mg/L	16:09:21
2	P 214.914†	300.4	124.3	0.1080 mg/L	0.1080 mg/L	16:09:21
2	Pb 220.353†	24.7	40.5	0.0153 mg/L	0.0153 mg/L	16:09:21
2	Sb 206.836†	23.4	4.0	0.0096 mg/L	0.0096 mg/L	16:09:21
2	Se 196.026†	9.5	7.6	0.0145 mg/L	0.0145 mg/L	16:09:21
2	Sn 189.927†	16.5	21.2	0.0196 mg/L	0.0196 mg/L	16:09:21
2	Ti 337.279†	1283.3	1866.6	0.0099 mg/L	0.0099 mg/L	16:09:11
2	Tl 190.801†	10.1	6.5	0.0296 mg/L	0.0296 mg/L	16:09:21
2	V 292.402†	-316.2	476.9	0.0090 mg/L	0.0090 mg/L	16:09:11
2	Zn 213.857†	1008.3	466.4	0.0098 mg/L	0.0098 mg/L	16:09:21

Mean Data: CRL3

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	615711.7	0.992 mg/L	0.0009			0.09%
Ag 328.068†	345.7	0.0065 mg/L	0.00001	0.0065 mg/L	0.00001	0.21%
QC value greater than the upper limit for Ag 328.068 Recovery = 130.14%						
Al 237.313†	153.1	0.0520 mg/L	0.00775	0.0520 mg/L	0.00775	14.92%
QC value within limits for Al 237.313 Recovery = 103.92%						
As 188.979†	2.6	0.0061 mg/L	0.01116	0.0061 mg/L	0.01116	181.65%
QC value less than the lower limit for As 188.979 Recovery = 61.42%						
B 182.528†	5.1	0.0191 mg/L	0.00294	0.0191 mg/L	0.00294	15.43%

QC value greater than the upper limit for B 182.528 Recovery = 190.64%
B 249.677† 19.2 0.0108 mg/L 0.00141 0.0108 mg/L 0.00141 13.06%
QC value within limits for B 249.677 Recovery = 108.25%
Ba 233.527† 178.6 0.0115 mg/L 0.00104 0.0115 mg/L 0.00104 9.06%
QC value within limits for Ba 233.527 Recovery = 115.09%
Be 313.107† 1003.5 0.0009 mg/L 0.00001 0.0009 mg/L 0.00001 0.94%
QC value within limits for Be 313.107 Recovery = 91.53%
Ca 315.887† 2956.3 0.1101 mg/L 0.00078 0.1101 mg/L 0.00078 0.71%
QC value within limits for Ca 315.887 Recovery = 110.15%
Cd 228.802† 56.2 0.0050 mg/L 0.00003 0.0050 mg/L 0.00003 0.57%
QC value within limits for Cd 228.802 Recovery = 99.18%
Co 228.616† 125.5 0.0107 mg/L 0.00063 0.0107 mg/L 0.00063 5.91%
QC value within limits for Co 228.616 Recovery = 107.23%
Cr 267.716† 261.7 0.0099 mg/L 0.00003 0.0099 mg/L 0.00003 0.26%
QC value within limits for Cr 267.716 Recovery = 98.60%
Cu 324.752† 661.6 0.0128 mg/L 0.00034 0.0128 mg/L 0.00034 2.69%
QC value greater than the upper limit for Cu 324.752 Recovery = 127.97%
Fe 234.349† 54.8 0.0366 mg/L 0.00353 0.0366 mg/L 0.00353 9.62%
QC value less than the lower limit for Fe 234.349 Recovery = 73.28%
Fe 238.204† 1936.3 0.0540 mg/L 0.00099 0.0540 mg/L 0.00099 1.83%
QC value within limits for Fe 238.204 Recovery = 108.09%
K 766.490† 988.7 0.3786 mg/L 0.00253 0.3786 mg/L 0.00253 0.67%
QC value less than the lower limit for K 766.490 Recovery = 75.72%
Li 670.784† 371.5 0.0056 mg/L 0.00004 0.0056 mg/L 0.00004 0.79%
QC value less than the lower limit for Li 670.784 Recovery = 55.85%
Mg 279.077† 426.8 0.1105 mg/L 0.00570 0.1105 mg/L 0.00570 5.16%
QC value within limits for Mg 279.077 Recovery = 110.55%
Mn 257.610† 2060.5 0.0106 mg/L 0.00003 0.0106 mg/L 0.00003 0.30%
QC value within limits for Mn 257.610 Recovery = 106.38%
Mo 202.031† 54.7 0.0138 mg/L 0.00057 0.0138 mg/L 0.00057 4.11%
QC value greater than the upper limit for Mo 202.031 Recovery = 137.82%
Na 589.592† 3169.9 0.3127 mg/L 0.00001 0.3127 mg/L 0.00001 0.00%
QC value less than the lower limit for Na 589.592 Recovery = 62.55%
Ni 231.604† 98.6 0.0091 mg/L 0.00079 0.0091 mg/L 0.00079 8.66%
QC value within limits for Ni 231.604 Recovery = 90.64%
P 214.914† 117.1 0.1011 mg/L 0.00968 0.1011 mg/L 0.00968 9.57%
QC value within limits for P 214.914 Recovery = 101.12%
Pb 220.353† 34.3 0.0131 mg/L 0.00319 0.0131 mg/L 0.00319 24.34%
QC value greater than the upper limit for Pb 220.353 Recovery = 130.91%
Sb 206.836† 6.5 0.0147 mg/L 0.00722 0.0147 mg/L 0.00722 49.01%
QC value greater than the upper limit for Sb 206.836 Recovery = 147.30%
Se 196.026† 9.0 0.0167 mg/L 0.00307 0.0167 mg/L 0.00307 18.40%
QC value within limits for Se 196.026 Recovery = 83.54%
Sn 189.927† 20.0 0.0185 mg/L 0.00154 0.0185 mg/L 0.00154 8.31%
QC value greater than the upper limit for Sn 189.927 Recovery = 185.08%
Sr 407.771† 941.5 0.0009 mg/L 0.00000 0.0009 mg/L 0.00000 0.49%
QC value within limits for Sr 407.771 Recovery = 85.18%
Ti 337.279† 1877.4 0.0099 mg/L 0.00008 0.0099 mg/L 0.00008 0.83%
QC value within limits for Ti 337.279 Recovery = 99.18%
Tl 190.801† 4.5 0.0225 mg/L 0.01002 0.0225 mg/L 0.01002 44.46%
QC value greater than the upper limit for Tl 190.801 Recovery = 225.39%
V 292.402† 494.9 0.0094 mg/L 0.00054 0.0094 mg/L 0.00054 5.69%
QC value within limits for V 292.402 Recovery = 94.06%
Zn 213.857† 475.5 0.0100 mg/L 0.00030 0.0100 mg/L 0.00030 2.96%
QC value within limits for Zn 213.857 Recovery = 100.40%
QC Failed. Continue with analysis.

Sequence No.: 11 Autosampler Location: 160
Sample ID: IFA Date Collected: 10/9/2012 4:11:02 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: IFA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-14.1	-10.7	-0.0067 mg/L	-0.0067 mg/L	16:12:53
1	Fe 234.349†	103083.4	104035.6	85.91 mg/L	85.91 mg/L	16:12:43
1	K 766.490†	130.8	0.9	-0.1454 mg/L	-0.1454 mg/L	16:12:53
1	Li 670.784†	-67.5	71.3	-0.0030 mg/L	-0.0030 mg/L	16:12:53
1	Na 589.592†	-412.4	171.9	-0.2157 mg/L	-0.2157 mg/L	16:12:53

1	Sr 407.771†	23329.1	23466.2	0.0259 mg/L	0.0259 mg/L	16:12:43
1	Y 371.029	614983.6	614983.6	0.991 mg/L		16:13:13
1	Ag 328.068†	1268.1	-154.4	0.0031 mg/L	0.0031 mg/L	16:13:15
1	Al 237.313†	652264.8	658481.2	247.5 mg/L	247.5 mg/L	16:13:13
1	As 188.979†	-4.2	-9.4	0.0146 mg/L	0.0146 mg/L	16:13:25
1	B 182.528†	2.0	7.6	0.0267 mg/L	0.0267 mg/L	16:13:25
1	Ba 233.527†	12.5	63.1	0.0045 mg/L	0.0045 mg/L	16:13:25
1	Be 313.107†	-334.7	58.6	-0.0001 mg/L	-0.0001 mg/L	16:13:15
1	Ca 315.887†	6969811.7	7035486.9	241.5 mg/L	241.5 mg/L	16:13:10
1	Cd 228.802†	61.9	9.1	0.0007 mg/L	0.0007 mg/L	16:13:25
1	Co 228.616†	204.9	241.1	-0.0001 mg/L	-0.0001 mg/L	16:13:25
1	Cr 267.716†	515.8	101.2	0.0038 mg/L	0.0038 mg/L	16:13:25
1	Cu 324.752†	1383.3	-466.2	0.0054 mg/L	0.0054 mg/L	16:13:15
1	Fe 238.204†	3252835.9	3282965.7	91.21 mg/L	91.21 mg/L	16:13:13
1	Mg 279.077†	1135704.0	1146067.9	249.2 mg/L	249.2 mg/L	16:13:13
1	Mn 257.610†	700.8	453.0	0.0023 mg/L	0.0023 mg/L	16:13:15
1	Mo 202.031†	120.3	126.5	0.0033 mg/L	0.0033 mg/L	16:13:25
1	Ni 231.604†	-8.0	1.0	-0.0007 mg/L	-0.0007 mg/L	16:13:25
1	P 214.914†	14.9	-163.3	0.0408 mg/L	0.0408 mg/L	16:13:25
1	Pb 220.353†	259.0	277.0	0.0337 mg/L	0.0337 mg/L	16:13:25
1	Sb 206.836†	30.3	11.1	-0.0143 mg/L	-0.0143 mg/L	16:13:25
1	Se 196.026†	-10.3	-12.5	0.0211 mg/L	0.0211 mg/L	16:13:25
1	Sn 189.927†	-312.1	-310.4	-0.0264 mg/L	-0.0264 mg/L	16:13:25
1	Ti 337.279†	1886296.5	1904387.9	10.24 mg/L	10.24 mg/L	16:13:13
1	Tl 190.801†	28.9	25.5	0.0337 mg/L	0.0337 mg/L	16:13:25
1	V 292.402†	532.1	1332.5	0.0022 mg/L	0.0022 mg/L	16:13:15
1	Zn 213.857†	824.9	283.2	0.0057 mg/L	0.0057 mg/L	16:13:25
2	B 249.677†	-10.0	-6.6	-0.0043 mg/L	-0.0043 mg/L	16:13:05
2	Fe 234.349†	102887.0	104063.4	85.93 mg/L	85.93 mg/L	16:12:55
2	K 766.490†	127.1	-2.6	-0.1472 mg/L	-0.1472 mg/L	16:13:05
2	Li 670.784†	-107.4	30.9	-0.0042 mg/L	-0.0042 mg/L	16:13:05
2	Na 589.592†	-417.2	166.2	-0.2167 mg/L	-0.2167 mg/L	16:13:05
2	Sr 407.771†	23235.2	23422.5	0.0258 mg/L	0.0258 mg/L	16:12:55
2	Y 371.029	613647.9	613647.9	0.989 mg/L		16:13:30
2	Ag 328.068†	1283.8	-135.7	0.0035 mg/L	0.0035 mg/L	16:13:33
2	Al 237.313†	653387.9	661050.1	248.5 mg/L	248.5 mg/L	16:13:30
2	As 188.979†	-9.2	-14.6	0.0028 mg/L	0.0028 mg/L	16:13:43
2	B 182.528†	7.3	13.0	0.0438 mg/L	0.0438 mg/L	16:13:43
2	Ba 233.527†	33.8	84.7	0.0058 mg/L	0.0058 mg/L	16:13:43
2	Be 313.107†	-406.5	-14.7	-0.0002 mg/L	-0.0002 mg/L	16:13:33
2	Ca 315.887†	7077117.9	7159337.4	245.8 mg/L	245.8 mg/L	16:13:28
2	Cd 228.802†	62.1	9.4	0.0008 mg/L	0.0008 mg/L	16:13:43
2	Co 228.616†	208.7	245.3	0.0001 mg/L	0.0001 mg/L	16:13:43
2	Cr 267.716†	510.9	97.4	0.0037 mg/L	0.0037 mg/L	16:13:43
2	Cu 324.752†	1401.6	-444.7	0.0058 mg/L	0.0058 mg/L	16:13:33
2	Fe 238.204†	3263483.9	3300882.2	91.71 mg/L	91.71 mg/L	16:13:30
2	Mg 279.077†	1140532.1	1153446.4	250.8 mg/L	250.8 mg/L	16:13:30
2	Mn 257.610†	724.1	478.1	0.0025 mg/L	0.0025 mg/L	16:13:33
2	Mo 202.031†	133.7	140.3	0.0065 mg/L	0.0065 mg/L	16:13:43
2	Ni 231.604†	0.4	9.5	0.0002 mg/L	0.0002 mg/L	16:13:43
2	P 214.914†	10.1	-168.1	0.0362 mg/L	0.0362 mg/L	16:13:43
2	Pb 220.353†	281.6	300.4	0.0420 mg/L	0.0420 mg/L	16:13:43
2	Sb 206.836†	33.7	14.5	-0.0073 mg/L	-0.0073 mg/L	16:13:43
2	Se 196.026†	-7.5	-9.6	0.0254 mg/L	0.0254 mg/L	16:13:43
2	Sn 189.927†	-311.9	-311.0	-0.0268 mg/L	-0.0268 mg/L	16:13:43
2	Ti 337.279†	1890338.7	1912620.5	10.28 mg/L	10.28 mg/L	16:13:30
2	Tl 190.801†	30.6	27.3	0.0400 mg/L	0.0400 mg/L	16:13:43
2	V 292.402†	514.9	1316.3	0.0018 mg/L	0.0018 mg/L	16:13:33
2	Zn 213.857†	806.7	266.5	0.0054 mg/L	0.0054 mg/L	16:13:43

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	614315.8	0.990 mg/L	0.0015			0.15%
Ag 328.068†	-145.0	0.0033 mg/L	0.00027	0.0033 mg/L	0.00027	8.15%
QC value greater than the upper limit for Ag 328.068 Recovery = Not calculated						
Al 237.313†	659765.7	248.0 mg/L	0.68	248.0 mg/L	0.68	0.28%
QC value within limits for Al 237.313 Recovery = 99.21%						
As 188.979†	-12.0	0.0087 mg/L	0.00834	0.0087 mg/L	0.00834	96.15%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	10.3	0.0352 mg/L	0.01205	0.0352 mg/L	0.01205	34.19%
QC value greater than the upper limit for B 182.528 Recovery = Not calculated						

B 249.677†	-8.6	-0.0055 mg/L	0.00169	-0.0055 mg/L	0.00169	30.82%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	73.9	0.0052 mg/L	0.00092	0.0052 mg/L	0.00092	17.78%
QC value greater than the upper limit for Ba 233.527 Recovery = Not calculated						
Be 313.107†	22.0	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005	44.07%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	7097412.2	243.7 mg/L	3.01	243.7 mg/L	3.01	1.23%
QC value within limits for Ca 315.887 Recovery = 97.46%						
Cd 228.802†	9.3	0.0008 mg/L	0.00006	0.0008 mg/L	0.00006	7.46%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	243.2	0.0000 mg/L	0.00018	0.0000 mg/L	0.00018	919.29%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	99.3	0.0037 mg/L	0.00010	0.0037 mg/L	0.00010	2.65%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-455.5	0.0056 mg/L	0.00023	0.0056 mg/L	0.00023	4.17%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	104049.5	85.92 mg/L	0.014	85.92 mg/L	0.014	0.02%
QC value within limits for Fe 234.349 Recovery = 85.92%						
Fe 238.204†	3291923.9	91.46 mg/L	0.352	91.46 mg/L	0.352	0.38%
QC value within limits for Fe 238.204 Recovery = 91.46%						
K 766.490†	-0.9	-0.1463 mg/L	0.00130	-0.1463 mg/L	0.00130	0.89%
QC value less than the lower limit for K 766.490 Recovery = Not calculated						
Li 670.784†	51.1	-0.0036 mg/L	0.00082	-0.0036 mg/L	0.00082	22.82%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	1149757.1	250.0 mg/L	1.13	250.0 mg/L	1.13	0.45%
QC value within limits for Mg 279.077 Recovery = 100.01%						
Mn 257.610†	465.5	0.0024 mg/L	0.00009	0.0024 mg/L	0.00009	3.85%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	133.4	0.0049 mg/L	0.00222	0.0049 mg/L	0.00222	45.20%
QC value greater than the upper limit for Mo 202.031 Recovery = Not calculated						
Na 589.592†	169.0	-0.2162 mg/L	0.00072	-0.2162 mg/L	0.00072	0.33%
QC value less than the lower limit for Na 589.592 Recovery = Not calculated						
Ni 231.604†	5.3	-0.0002 mg/L	0.00060	-0.0002 mg/L	0.00060	268.51%
QC value within limits for Ni 231.604 Recovery = Not calculated						
P 214.914†	-165.7	0.0385 mg/L	0.00320	0.0385 mg/L	0.00320	8.31%
QC value greater than the upper limit for P 214.914 Recovery = Not calculated						
Pb 220.353†	288.7	0.0379 mg/L	0.00586	0.0379 mg/L	0.00586	15.48%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	12.8	-0.0108 mg/L	0.00493	-0.0108 mg/L	0.00493	45.71%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-11.0	0.0233 mg/L	0.00306	0.0233 mg/L	0.00306	13.13%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-310.7	-0.0266 mg/L	0.00029	-0.0266 mg/L	0.00029	1.09%
QC value less than the lower limit for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	23444.4	0.0258 mg/L	0.00003	0.0258 mg/L	0.00003	0.13%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	1908504.2	10.26 mg/L	0.031	10.26 mg/L	0.031	0.31%
QC value within limits for Ti 337.279 Recovery = 102.60%						
Tl 190.801†	26.4	0.0368 mg/L	0.00443	0.0368 mg/L	0.00443	12.02%
QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated						
V 292.402†	1324.4	0.0020 mg/L	0.00025	0.0020 mg/L	0.00025	12.53%
QC value greater than the upper limit for V 292.402 Recovery = Not calculated						
Zn 213.857†	274.8	0.0055 mg/L	0.00027	0.0055 mg/L	0.00027	4.89%
QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

Sequence No.: 12
Sample ID: IFB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 159
Date Collected: 10/9/2012 4:15:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-9.0	-5.5	-0.0042 mg/L	-0.0042 mg/L	16:17:11
1	Fe 234.349†	109126.2	110594.8	91.31 mg/L	91.31 mg/L	16:17:01
1	K 766.490†	170.5	41.6	-0.1238 mg/L	-0.1238 mg/L	16:17:11
1	Li 670.784†	-77.3	61.1	-0.0033 mg/L	-0.0033 mg/L	16:17:11
1	Na 589.592†	-456.2	125.7	-0.2238 mg/L	-0.2238 mg/L	16:17:11
1	Sr 407.771†	24647.4	24900.7	0.0275 mg/L	0.0275 mg/L	16:17:01

1	Y 371.029	612424.2	612424.2	0.987	mg/L		16:17:31
1	Ag 328.068†	26895.3	25824.3	0.5260	mg/L	0.5260	mg/L 16:17:33
1	Al 237.313†	679489.9	688825.3	258.9	mg/L	258.9	mg/L 16:17:31
1	As 188.979†	-9.7	-15.0	0.0036	mg/L	0.0036	mg/L 16:17:43
1	B 182.528†	0.2	5.7	0.0209	mg/L	0.0209	mg/L 16:17:43
1	Ba 233.527†	4139.5	4245.9	0.2569	mg/L	0.2569	mg/L 16:17:43
1	Be 313.107†	229660.0	233158.0	0.2468	mg/L	0.2468	mg/L 16:17:31
1	Ca 315.887†	7422800.0	7523991.7	258.3	mg/L	258.3	mg/L 16:17:28
1	Cd 228.802†	5296.0	5314.2	0.4898	mg/L	0.4898	mg/L 16:17:43
1	Co 228.616†	2884.5	2957.7	0.2359	mg/L	0.2359	mg/L 16:17:43
1	Cr 267.716†	6940.7	6615.0	0.2501	mg/L	0.2501	mg/L 16:17:33
1	Cu 324.752†	19991.9	18399.5	0.2555	mg/L	0.2555	mg/L 16:17:33
1	Fe 238.204†	3392197.7	3437930.3	95.51	mg/L	95.51	mg/L 16:17:31
1	Mg 279.077†	1186793.9	1202638.2	261.5	mg/L	261.5	mg/L 16:17:31
1	Mn 257.610†	46525.4	46899.4	0.2427	mg/L	0.2427	mg/L 16:17:33
1	Mo 202.031†	139.0	145.9	0.0059	mg/L	0.0059	mg/L 16:17:43
1	Ni 231.604†	4796.0	4869.9	0.4853	mg/L	0.4853	mg/L 16:17:43
1	P 214.914†	46.0	-131.6	0.0789	mg/L	0.0789	mg/L 16:17:43
1	Pb 220.353†	1636.2	1673.9	0.5401	mg/L	0.5401	mg/L 16:17:43
1	Sb 206.836†	47.9	28.9	0.0200	mg/L	0.0200	mg/L 16:17:43
1	Se 196.026†	-8.0	-10.1	0.0270	mg/L	0.0270	mg/L 16:17:43
1	Sn 189.927†	-325.1	-324.9	-0.0235	mg/L	-0.0235	mg/L 16:17:43
1	Ti 337.279†	-79.5	493.2	0.0025	mg/L	0.0025	mg/L 16:17:33
1	Tl 190.801†	29.7	26.5	0.0470	mg/L	0.0470	mg/L 16:17:43
1	V 292.402†	12003.6	12961.1	0.2533	mg/L	0.2533	mg/L 16:17:33
1	Zn 213.857†	22185.6	21935.8	0.4958	mg/L	0.4958	mg/L 16:17:33
2	B 249.677†	-9.7	-6.1	-0.0046	mg/L	-0.0046	mg/L 16:17:23
2	Fe 234.349†	109145.8	109085.5	90.07	mg/L	90.07	mg/L 16:17:13
2	K 766.490†	155.7	24.5	-0.1329	mg/L	-0.1329	mg/L 16:17:23
2	Li 670.784†	-42.2	97.3	-0.0023	mg/L	-0.0023	mg/L 16:17:23
2	Na 589.592†	-434.1	154.2	-0.2188	mg/L	-0.2188	mg/L 16:17:23
2	Sr 407.771†	24559.5	24467.5	0.0270	mg/L	0.0270	mg/L 16:17:13
2	Y 371.029	621009.2	621009.2	1.00	mg/L		16:17:49
2	Ag 328.068†	26859.6	25411.8	0.5176	mg/L	0.5176	mg/L 16:17:51
2	Al 237.313†	687983.9	687794.6	258.6	mg/L	258.6	mg/L 16:17:49
2	As 188.979†	-11.1	-16.4	0.0000	mg/L	0.0000	mg/L 16:18:01
2	B 182.528†	3.4	8.9	0.0309	mg/L	0.0309	mg/L 16:18:01
2	Ba 233.527†	4159.0	4207.4	0.2546	mg/L	0.2546	mg/L 16:18:01
2	Be 313.107†	233785.2	234063.3	0.2477	mg/L	0.2477	mg/L 16:17:49
2	Ca 315.887†	7382438.7	7379649.6	253.3	mg/L	253.3	mg/L 16:17:46
2	Cd 228.802†	5324.5	5268.5	0.4856	mg/L	0.4856	mg/L 16:18:01
2	Co 228.616†	2933.3	2966.1	0.2366	mg/L	0.2366	mg/L 16:18:01
2	Cr 267.716†	6885.0	6462.1	0.2443	mg/L	0.2443	mg/L 16:17:51
2	Cu 324.752†	20126.2	18253.6	0.2535	mg/L	0.2535	mg/L 16:17:51
2	Fe 238.204†	3440207.7	3438387.6	95.53	mg/L	95.53	mg/L 16:17:49
2	Mg 279.077†	1205080.8	1204287.5	261.9	mg/L	261.9	mg/L 16:17:49
2	Mn 257.610†	46452.7	46174.9	0.2390	mg/L	0.2390	mg/L 16:17:51
2	Mo 202.031†	144.5	149.5	0.0071	mg/L	0.0071	mg/L 16:18:01
2	Ni 231.604†	4816.5	4823.1	0.4806	mg/L	0.4806	mg/L 16:18:01
2	P 214.914†	37.0	-141.3	0.0668	mg/L	0.0668	mg/L 16:18:01
2	Pb 220.353†	1636.1	1650.9	0.5318	mg/L	0.5318	mg/L 16:18:01
2	Sb 206.836†	42.0	22.4	0.0073	mg/L	0.0073	mg/L 16:18:01
2	Se 196.026†	-7.8	-9.8	0.0269	mg/L	0.0269	mg/L 16:18:01
2	Sn 189.927†	-327.9	-323.2	-0.0257	mg/L	-0.0257	mg/L 16:18:01
2	Ti 337.279†	24.9	598.6	0.0030	mg/L	0.0030	mg/L 16:17:51
2	Tl 190.801†	26.7	23.0	0.0355	mg/L	0.0355	mg/L 16:18:01
2	V 292.402†	12190.8	12980.0	0.2539	mg/L	0.2539	mg/L 16:17:51
2	Zn 213.857†	22215.4	21654.8	0.4894	mg/L	0.4894	mg/L 16:17:51

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	616716.7	0.994 mg/L	0.0098			0.98%
Ag 328.068†	25618.0	0.5218 mg/L	0.00593	0.5218 mg/L	0.00593	1.14%
QC value within limits for Ag 328.068 Recovery = 104.37%						
Al 237.313†	688309.9	258.7 mg/L	0.27	258.7 mg/L	0.27	0.11%
QC value within limits for Al 237.313 Recovery = 103.50%						
As 188.979†	-15.7	0.0018 mg/L	0.00251	0.0018 mg/L	0.00251	141.71%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	7.3	0.0259 mg/L	0.00710	0.0259 mg/L	0.00710	27.39%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-5.8	-0.0044 mg/L	0.00026	-0.0044 mg/L	0.00026	5.79%

Ba	233.527†	4226.6	0.2558 mg/L	0.00164	0.2558 mg/L	0.00164	0.64%
	QC value within limits for Ba	233.527	Recovery =	102.31%			
Be	313.107†	233610.6	0.2472 mg/L	0.00068	0.2472 mg/L	0.00068	0.27%
	QC value within limits for Be	313.107	Recovery =	98.90%			
Ca	315.887†	7451820.7	255.8 mg/L	3.50	255.8 mg/L	3.50	1.37%
	QC value within limits for Ca	315.887	Recovery =	102.33%			
Cd	228.802†	5291.3	0.4877 mg/L	0.00297	0.4877 mg/L	0.00297	0.61%
	QC value within limits for Cd	228.802	Recovery =	97.53%			
Co	228.616†	2961.9	0.2362 mg/L	0.00047	0.2362 mg/L	0.00047	0.20%
	QC value within limits for Co	228.616	Recovery =	94.49%			
Cr	267.716†	6538.6	0.2472 mg/L	0.00409	0.2472 mg/L	0.00409	1.65%
	QC value within limits for Cr	267.716	Recovery =	98.88%			
Cu	324.752†	18326.6	0.2545 mg/L	0.00141	0.2545 mg/L	0.00141	0.55%
	QC value within limits for Cu	324.752	Recovery =	101.81%			
Fe	234.349†	109840.1	90.69 mg/L	0.880	90.69 mg/L	0.880	0.97%
	QC value within limits for Fe	234.349	Recovery =	90.69%			
Fe	238.204†	3438158.9	95.52 mg/L	0.009	95.52 mg/L	0.009	0.01%
	QC value within limits for Fe	238.204	Recovery =	95.52%			
K	766.490†	33.1	-0.1283 mg/L	0.00645	-0.1283 mg/L	0.00645	5.03%
	QC value within limits for K	766.490	Recovery =	Not calculated			
Li	670.784†	79.2	-0.0028 mg/L	0.00073	-0.0028 mg/L	0.00073	26.32%
	QC value within limits for Li	670.784	Recovery =	Not calculated			
Mg	279.077†	1203462.9	261.7 mg/L	0.25	261.7 mg/L	0.25	0.10%
	QC value within limits for Mg	279.077	Recovery =	104.68%			
Mn	257.610†	46537.2	0.2409 mg/L	0.00265	0.2409 mg/L	0.00265	1.10%
	QC value within limits for Mn	257.610	Recovery =	96.34%			
Mo	202.031†	147.7	0.0065 mg/L	0.00086	0.0065 mg/L	0.00086	13.25%
	QC value within limits for Mo	202.031	Recovery =	Not calculated			
Na	589.592†	140.0	-0.2213 mg/L	0.00355	-0.2213 mg/L	0.00355	1.60%
	QC value within limits for Na	589.592	Recovery =	Not calculated			
Ni	231.604†	4846.5	0.4830 mg/L	0.00330	0.4830 mg/L	0.00330	0.68%
	QC value within limits for Ni	231.604	Recovery =	96.59%			
P	214.914†	-136.5	0.0728 mg/L	0.00850	0.0728 mg/L	0.00850	11.67%
	QC value within limits for P	214.914	Recovery =	Not calculated			
Pb	220.353†	1662.4	0.5360 mg/L	0.00585	0.5360 mg/L	0.00585	1.09%
	QC value within limits for Pb	220.353	Recovery =	107.19%			
Sb	206.836†	25.7	0.0137 mg/L	0.00900	0.0137 mg/L	0.00900	65.78%
	QC value within limits for Sb	206.836	Recovery =	Not calculated			
Se	196.026†	-10.0	0.0269 mg/L	0.00008	0.0269 mg/L	0.00008	0.31%
	QC value greater than the upper limit for Se	196.026	Recovery =	Not calculated			
Sn	189.927†	-324.0	-0.0246 mg/L	0.00150	-0.0246 mg/L	0.00150	6.10%
	QC value within limits for Sn	189.927	Recovery =	Not calculated			
Sr	407.771†	24684.1	0.0272 mg/L	0.00034	0.0272 mg/L	0.00034	1.25%
	QC value within limits for Sr	407.771	Recovery =	Not calculated			
Ti	337.279†	545.9	0.0028 mg/L	0.00040	0.0028 mg/L	0.00040	14.52%
	QC value within limits for Ti	337.279	Recovery =	Not calculated			
Tl	190.801†	24.8	0.0413 mg/L	0.00815	0.0413 mg/L	0.00815	19.75%
	QC value within limits for Tl	190.801	Recovery =	Not calculated			
V	292.402†	12970.6	0.2536 mg/L	0.00042	0.2536 mg/L	0.00042	0.17%
	QC value within limits for V	292.402	Recovery =	101.42%			
Zn	213.857†	21795.3	0.4926 mg/L	0.00451	0.4926 mg/L	0.00451	0.91%
	QC value within limits for Zn	213.857	Recovery =	98.52%			

QC Failed. Continue with analysis.

Sequence No.:	13	Autosampler Location:	0
Sample ID:	WASH	Date Collected:	10/9/2012 4:19:39 PM
Analyst:		Data Type:	Original
Initial Sample Wt:		Initial Sample Vol:	
Dilution:		Sample Prep Vol:	

Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-1.0	2.6	0.0011	mg/L	0.0011	mg/L	16:21:30
1	Fe 234.349†	37.2	30.7	0.0169	mg/L	0.0169	mg/L	16:21:30
1	K 766.490†	203.1	64.8	-0.1115	mg/L	-0.1115	mg/L	16:21:20
1	Li 670.784†	-124.0	19.8	-0.0045	mg/L	-0.0045	mg/L	16:21:20
1	Na 589.592†	-491.4	113.8	-0.2259	mg/L	-0.2259	mg/L	16:21:20
1	Sr 407.771†	109.9	26.5	-0.0002	mg/L	-0.0002	mg/L	16:21:20
1	Y 371.029	643106.0	643106.0	1.04	mg/L			16:21:54

1	Ag	328.068†	1627.4	136.5	0.0023	mg/L	0.0023	mg/L	16:21:54
1	Al	237.313†	81.3	237.3	0.0835	mg/L	0.0835	mg/L	16:22:05
1	As	188.979†	5.0	-0.4	-0.0009	mg/L	-0.0009	mg/L	16:22:05
1	B	182.528†	-5.1	0.6	0.0049	mg/L	0.0049	mg/L	16:22:05
1	Ba	233.527†	-30.7	20.9	0.0020	mg/L	0.0020	mg/L	16:22:05
1	Be	313.107†	-343.7	64.7	-0.0001	mg/L	-0.0001	mg/L	16:21:54
1	Ca	315.887†	1409.1	2307.8	0.0879	mg/L	0.0879	mg/L	16:21:54
1	Cd	228.802†	56.6	1.3	-0.0001	mg/L	-0.0001	mg/L	16:22:05
1	Co	228.616†	-36.5	-1.0	0.0007	mg/L	0.0007	mg/L	16:22:05
1	Cr	267.716†	458.8	23.4	0.0008	mg/L	0.0008	mg/L	16:21:54
1	Cu	324.752†	1971.1	40.1	0.0043	mg/L	0.0043	mg/L	16:21:54
1	Fe	238.204†	1427.7	1299.3	0.0363	mg/L	0.0363	mg/L	16:22:05
1	Mg	279.077†	541.8	339.7	0.0916	mg/L	0.0916	mg/L	16:21:54
1	Mn	257.610†	385.5	117.7	0.0006	mg/L	0.0006	mg/L	16:22:05
1	Mo	202.031†	8.0	12.8	0.0043	mg/L	0.0043	mg/L	16:22:05
1	Ni	231.604†	0.4	9.5	0.0002	mg/L	0.0002	mg/L	16:22:05
1	P	214.914†	205.9	20.4	0.0105	mg/L	0.0105	mg/L	16:22:05
1	Pb	220.353†	-20.5	-4.1	-0.0009	mg/L	-0.0009	mg/L	16:22:05
1	Sb	206.836†	20.9	0.6	0.0026	mg/L	0.0026	mg/L	16:22:05
1	Se	196.026†	-5.7	-7.5	-0.0082	mg/L	-0.0082	mg/L	16:22:05
1	Sn	189.927†	-8.0	-3.1	-0.0023	mg/L	-0.0023	mg/L	16:22:05
1	Ti	337.279†	-414.3	173.8	0.0008	mg/L	0.0008	mg/L	16:21:54
1	Tl	190.801†	-3.3	-6.9	-0.0174	mg/L	-0.0174	mg/L	16:22:05
1	V	292.402†	-678.0	141.1	0.0019	mg/L	0.0019	mg/L	16:21:54
1	Zn	213.857†	609.1	38.5	0.0001	mg/L	0.0001	mg/L	16:22:05
2	B	249.677†	-0.0	3.5	0.0017	mg/L	0.0017	mg/L	16:21:51
2	Fe	234.349†	39.7	33.3	0.0190	mg/L	0.0190	mg/L	16:21:51
2	K	766.490†	180.1	43.3	-0.1229	mg/L	-0.1229	mg/L	16:21:41
2	Li	670.784†	-139.2	4.7	-0.0049	mg/L	-0.0049	mg/L	16:21:41
2	Na	589.592†	-480.4	122.8	-0.2243	mg/L	-0.2243	mg/L	16:21:41
2	Sr	407.771†	129.3	45.8	-0.0001	mg/L	-0.0001	mg/L	16:21:41
2	Y	371.029	640798.9	640798.9	1.03	mg/L			16:22:07
2	Ag	328.068†	1600.5	116.1	0.0019	mg/L	0.0019	mg/L	16:22:07
2	Al	237.313†	80.9	237.3	0.0835	mg/L	0.0835	mg/L	16:22:17
2	As	188.979†	3.5	-1.8	-0.0041	mg/L	-0.0041	mg/L	16:22:17
2	B	182.528†	-3.6	2.1	0.0094	mg/L	0.0094	mg/L	16:22:17
2	Ba	233.527†	-52.6	-0.4	0.0007	mg/L	0.0007	mg/L	16:22:17
2	Be	313.107†	-326.9	79.8	-0.0001	mg/L	-0.0001	mg/L	16:22:07
2	Ca	315.887†	1424.4	2327.6	0.0885	mg/L	0.0885	mg/L	16:22:07
2	Cd	228.802†	56.5	1.3	-0.0001	mg/L	-0.0001	mg/L	16:22:17
2	Co	228.616†	-40.6	-5.0	0.0004	mg/L	0.0004	mg/L	16:22:17
2	Cr	267.716†	442.3	9.0	0.0003	mg/L	0.0003	mg/L	16:22:07
2	Cu	324.752†	1949.3	25.8	0.0041	mg/L	0.0041	mg/L	16:22:07
2	Fe	238.204†	1422.6	1299.3	0.0363	mg/L	0.0363	mg/L	16:22:17
2	Mg	279.077†	531.7	331.7	0.0898	mg/L	0.0898	mg/L	16:22:07
2	Mn	257.610†	388.5	122.0	0.0006	mg/L	0.0006	mg/L	16:22:17
2	Mo	202.031†	10.2	15.0	0.0048	mg/L	0.0048	mg/L	16:22:17
2	Ni	231.604†	-4.7	4.5	-0.0003	mg/L	-0.0003	mg/L	16:22:17
2	P	214.914†	184.3	0.3	-0.0085	mg/L	-0.0085	mg/L	16:22:17
2	Pb	220.353†	-11.9	4.1	0.0021	mg/L	0.0021	mg/L	16:22:17
2	Sb	206.836†	22.1	1.8	0.0051	mg/L	0.0051	mg/L	16:22:17
2	Se	196.026†	2.6	0.5	0.0039	mg/L	0.0039	mg/L	16:22:17
2	Sn	189.927†	-4.0	0.7	0.0011	mg/L	0.0011	mg/L	16:22:17
2	Ti	337.279†	-231.9	349.1	0.0017	mg/L	0.0017	mg/L	16:22:07
2	Tl	190.801†	2.7	-1.0	0.0032	mg/L	0.0032	mg/L	16:22:17
2	V	292.402†	-658.3	157.8	0.0023	mg/L	0.0023	mg/L	16:22:07
2	Zn	213.857†	593.5	25.5	-0.0001	mg/L	-0.0001	mg/L	16:22:17

Mean Data: WASH

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	641952.5	1.03	mg/L	0.003				0.25%
Ag 328.068†	126.3	0.0021	mg/L	0.00029	0.0021	mg/L	0.00029	13.87%
Al 237.313†	237.3	0.0835	mg/L	0.00002	0.0835	mg/L	0.00002	0.03%
As 188.979†	-1.1	-0.0025	mg/L	0.00223	-0.0025	mg/L	0.00223	88.55%
B 182.528†	1.4	0.0071	mg/L	0.00324	0.0071	mg/L	0.00324	45.39%
B 249.677†	3.1	0.0014	mg/L	0.00038	0.0014	mg/L	0.00038	27.52%
Ba 233.527†	10.2	0.0013	mg/L	0.00091	0.0013	mg/L	0.00091	67.47%
Be 313.107†	72.2	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	15.68%
Ca 315.887†	2317.7	0.0882	mg/L	0.00048	0.0882	mg/L	0.00048	0.55%
Cd 228.802†	1.3	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	24.14%
Co 228.616†	-3.0	0.0005	mg/L	0.00023	0.0005	mg/L	0.00023	44.34%

Cr	267.716†	16.2	0.0006 mg/L	0.00038	0.0006 mg/L	0.00038	67.97%
Cu	324.752†	32.9	0.0042 mg/L	0.00014	0.0042 mg/L	0.00014	3.27%
Fe	234.349†	32.0	0.0179 mg/L	0.00152	0.0179 mg/L	0.00152	8.47%
Fe	238.204†	1299.3	0.0363 mg/L	0.00000	0.0363 mg/L	0.00000	0.00%
K	766.490†	54.1	-0.1172 mg/L	0.00807	-0.1172 mg/L	0.00807	6.89%
Li	670.784†	12.3	-0.0047 mg/L	0.00031	-0.0047 mg/L	0.00031	6.52%
Mg	279.077†	335.7	0.0907 mg/L	0.00122	0.0907 mg/L	0.00122	1.35%
Mn	257.610†	119.9	0.0006 mg/L	0.00002	0.0006 mg/L	0.00002	2.66%
Mo	202.031†	13.9	0.0045 mg/L	0.00035	0.0045 mg/L	0.00035	7.74%
Na	589.592†	118.3	-0.2251 mg/L	0.00112	-0.2251 mg/L	0.00112	0.50%
Ni	231.604†	7.0	-0.0001 mg/L	0.00035	-0.0001 mg/L	0.00035	373.54%
P	214.914†	10.3	0.0010 mg/L	0.01340	0.0010 mg/L	0.01340	>999.9%
Pb	220.353†	-0.0	0.0006 mg/L	0.00212	0.0006 mg/L	0.00212	384.90%
Sb	206.836†	1.2	0.0039 mg/L	0.00178	0.0039 mg/L	0.00178	45.88%
Se	196.026†	-3.5	-0.0021 mg/L	0.00854	-0.0021 mg/L	0.00854	404.07%
Sn	189.927†	-1.2	-0.0006 mg/L	0.00244	-0.0006 mg/L	0.00244	398.17%
Sr	407.771†	36.1	-0.0002 mg/L	0.00002	-0.0002 mg/L	0.00002	9.82%
Ti	337.279†	261.4	0.0012 mg/L	0.00067	0.0012 mg/L	0.00067	54.15%
Tl	190.801†	-3.9	-0.0071 mg/L	0.01462	-0.0071 mg/L	0.01462	206.10%
V	292.402†	149.4	0.0021 mg/L	0.00025	0.0021 mg/L	0.00025	11.69%
Zn	213.857†	32.0	0.0000 mg/L	0.00021	0.0000 mg/L	0.00021	>999.9%

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Analysis Begun

Start Time: 10/9/2012 9:03:53 PM Plasma On Time: 10/9/2012 9:53:49 AM

Logged In Analyst: ICP3 Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1032302Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\100912NA.sif

Batch ID:

Results Data Set: 100912NBD

Results Library: C:\pe\ICP3\Results\Results.mdb

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Sequence No.: 1	Autosampler Location: 3
Sample ID: CCV1	Date Collected: 10/9/2012 9:03:53 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	814.7	756.0	0.4417	mg/L	0.4417 mg/L	21:05:43
1	Fe 234.349†	2914.2	2686.1	2.205	mg/L	2.205 mg/L	21:05:43
1	K 766.490†	47023.7	43295.5	22.82	mg/L	22.82 mg/L	21:05:32
1	Li 670.784†	17658.8	16447.5	0.4658	mg/L	0.4658 mg/L	21:05:32
1	Na 589.592†	143149.7	132787.7	23.16	mg/L	23.16 mg/L	21:05:32
1	Sr 407.771†	44008.8	40562.8	0.0448	mg/L	0.0448 mg/L	21:05:32
1	Y 371.029	672107.2	672107.2	1.08	mg/L		21:05:59
1	Ag 328.068†	13171.7	10729.9	0.2156	mg/L	0.2156 mg/L	21:05:59
1	Al 237.313†	6090.9	5783.9	2.173	mg/L	2.173 mg/L	21:05:59
1	As 188.979†	208.6	187.4	0.4308	mg/L	0.4308 mg/L	21:06:09
1	B 182.528†	144.4	138.9	0.4399	mg/L	0.4399 mg/L	21:06:09
1	Ba 233.527†	7603.2	7072.1	0.4275	mg/L	0.4275 mg/L	21:05:59
1	Be 313.107†	44143.2	41163.0	0.0435	mg/L	0.0435 mg/L	21:05:59
1	Ca 315.887†	133885.3	124591.7	4.288	mg/L	4.288 mg/L	21:05:59
1	Cd 228.802†	2670.2	2412.5	0.2203	mg/L	0.2203 mg/L	21:06:09
1	Co 228.616†	5893.9	5477.3	0.4356	mg/L	0.4356 mg/L	21:06:09
1	Cr 267.716†	12678.2	11288.9	0.4273	mg/L	0.4273 mg/L	21:05:59
1	Cu 324.752†	35459.7	30884.9	0.4267	mg/L	0.4267 mg/L	21:05:59
1	Fe 238.204†	83776.7	77289.6	2.148	mg/L	2.148 mg/L	21:05:59
1	Mg 279.077†	21412.3	19591.1	4.279	mg/L	4.279 mg/L	21:05:59
1	Mn 257.610†	90744.2	83548.5	0.4324	mg/L	0.4324 mg/L	21:05:59
1	Mo 202.031†	2094.0	1938.9	0.4412	mg/L	0.4412 mg/L	21:06:09
1	Ni 231.604†	4668.1	4320.2	0.4311	mg/L	0.4311 mg/L	21:05:59
1	P 214.914†	5189.0	4613.8	4.322	mg/L	4.322 mg/L	21:06:09
1	Pb 220.353†	1274.7	1192.8	0.4349	mg/L	0.4349 mg/L	21:06:09
1	Sb 206.836†	250.1	211.4	0.4320	mg/L	0.4320 mg/L	21:06:09
1	Se 196.026†	633.6	583.1	0.8792	mg/L	0.8792 mg/L	21:06:09

1	Sn 189.927†	521.4	486.0	0.4431 mg/L	0.4431 mg/L	21:06:09
1	Ti 337.279†	86466.5	80426.0	0.4322 mg/L	0.4322 mg/L	21:05:59
1	Tl 190.801†	134.4	120.4	0.4279 mg/L	0.4279 mg/L	21:06:09
1	V 292.402†	21705.9	20841.0	0.4378 mg/L	0.4378 mg/L	21:05:59
1	Zn 213.857†	21332.7	19151.4	0.4324 mg/L	0.4324 mg/L	21:05:59
2	B 249.677†	808.3	839.0	0.4901 mg/L	0.4901 mg/L	21:05:55
2	Fe 234.349†	2904.8	2996.9	2.461 mg/L	2.461 mg/L	21:05:55
2	K 766.490†	47132.6	48578.9	25.62 mg/L	25.62 mg/L	21:05:45
2	Li 670.784†	17644.6	18374.6	0.5209 mg/L	0.5209 mg/L	21:05:45
2	Na 589.592†	143200.7	148581.7	25.94 mg/L	25.94 mg/L	21:05:45
2	Sr 407.771†	44001.2	45394.4	0.0502 mg/L	0.0502 mg/L	21:05:45
2	Y 371.029	600593.5	600593.5	0.968 mg/L		21:06:12
2	Ag 328.068†	13637.2	12659.4	0.2544 mg/L	0.2544 mg/L	21:06:12
2	Al 237.313†	6399.7	6772.8	2.546 mg/L	2.546 mg/L	21:06:12
2	As 188.979†	222.7	224.9	0.5169 mg/L	0.5169 mg/L	21:06:22
2	B 182.528†	150.2	160.8	0.5086 mg/L	0.5086 mg/L	21:06:22
2	Ba 233.527†	7894.8	8209.6	0.4961 mg/L	0.4961 mg/L	21:06:12
2	Be 313.107†	46012.2	47948.7	0.0507 mg/L	0.0507 mg/L	21:06:12
2	Ca 315.887†	139663.4	145285.7	4.999 mg/L	4.999 mg/L	21:06:12
2	Cd 228.802†	2778.8	2818.5	0.2573 mg/L	0.2573 mg/L	21:06:22
2	Co 228.616†	6148.9	6388.9	0.5080 mg/L	0.5080 mg/L	21:06:22
2	Cr 267.716†	13179.3	13201.0	0.4997 mg/L	0.4997 mg/L	21:06:12
2	Cu 324.752†	36900.4	36273.0	0.5005 mg/L	0.5005 mg/L	21:06:12
2	Fe 238.204†	87286.9	90129.6	2.505 mg/L	2.505 mg/L	21:06:12
2	Mg 279.077†	22382.3	22948.2	5.009 mg/L	5.009 mg/L	21:06:12
2	Mn 257.610†	94507.0	97415.8	0.5042 mg/L	0.5042 mg/L	21:06:12
2	Mo 202.031†	2178.1	2256.1	0.5132 mg/L	0.5132 mg/L	21:06:22
2	Ni 231.604†	4879.8	5052.2	0.5043 mg/L	0.5043 mg/L	21:06:12
2	P 214.914†	5372.2	5373.7	5.035 mg/L	5.035 mg/L	21:06:22
2	Pb 220.353†	1360.1	1421.2	0.5181 mg/L	0.5181 mg/L	21:06:22
2	Sb 206.836†	261.9	251.1	0.5130 mg/L	0.5130 mg/L	21:06:22
2	Se 196.026†	650.9	670.6	1.011 mg/L	1.011 mg/L	21:06:22
2	Sn 189.927†	555.1	578.3	0.5266 mg/L	0.5266 mg/L	21:06:22
2	Ti 337.279†	89956.0	93540.5	0.5027 mg/L	0.5027 mg/L	21:06:12
2	Tl 190.801†	139.4	140.4	0.4977 mg/L	0.4977 mg/L	21:06:22
2	V 292.402†	22705.8	24261.2	0.5099 mg/L	0.5099 mg/L	21:06:12
2	Zn 213.857†	22251.8	22447.1	0.5069 mg/L	0.5069 mg/L	21:06:12

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	636350.4	1.03 mg/L	0.081			7.95%
Ag 328.068†	11694.6	0.2350 mg/L	0.02746	0.2350 mg/L	0.02746	11.69%
QC value within limits for Ag 328.068 Recovery = 94.01%						
Al 237.313†	6278.4	2.359 mg/L	0.2634	2.359 mg/L	0.2634	11.16%
QC value within limits for Al 237.313 Recovery = 94.37%						
As 188.979†	206.2	0.4738 mg/L	0.06086	0.4738 mg/L	0.06086	12.84%
QC value within limits for As 188.979 Recovery = 94.76%						
B 182.528†	149.9	0.4742 mg/L	0.04855	0.4742 mg/L	0.04855	10.24%
QC value within limits for B 182.528 Recovery = 94.85%						
B 249.677†	797.5	0.4659 mg/L	0.03428	0.4659 mg/L	0.03428	7.36%
QC value within limits for B 249.677 Recovery = 93.18%						
Ba 233.527†	7640.8	0.4618 mg/L	0.04853	0.4618 mg/L	0.04853	10.51%
QC value within limits for Ba 233.527 Recovery = 92.36%						
Be 313.107†	44555.8	0.0471 mg/L	0.00509	0.0471 mg/L	0.00509	10.80%
QC value within limits for Be 313.107 Recovery = 94.16%						
Ca 315.887†	134938.7	4.643 mg/L	0.5026	4.643 mg/L	0.5026	10.82%
QC value within limits for Ca 315.887 Recovery = 92.87%						
Cd 228.802†	2615.5	0.2388 mg/L	0.02619	0.2388 mg/L	0.02619	10.97%
QC value within limits for Cd 228.802 Recovery = 95.51%						
Co 228.616†	5933.1	0.4718 mg/L	0.05118	0.4718 mg/L	0.05118	10.85%
QC value within limits for Co 228.616 Recovery = 94.35%						
Cr 267.716†	12245.0	0.4635 mg/L	0.05118	0.4635 mg/L	0.05118	11.04%
QC value within limits for Cr 267.716 Recovery = 92.70%						
Cu 324.752†	33579.0	0.4636 mg/L	0.05218	0.4636 mg/L	0.05218	11.25%
QC value within limits for Cu 324.752 Recovery = 92.72%						
Fe 234.349†	2841.5	2.333 mg/L	0.1807	2.333 mg/L	0.1807	7.75%
QC value within limits for Fe 234.349 Recovery = 93.33%						
Fe 238.204†	83709.6	2.327 mg/L	0.2523	2.327 mg/L	0.2523	10.85%
QC value within limits for Fe 238.204 Recovery = 93.06%						
K 766.490†	45937.2	24.22 mg/L	1.982	24.22 mg/L	1.982	8.18%
QC value within limits for K 766.490 Recovery = 96.89%						

Li	670.784†	17411.1	0.4933 mg/L	0.03901	0.4933 mg/L	0.03901	7.91%
	QC value within limits for Li 670.784 Recovery =			98.67%			
Mg	279.077†	21269.6	4.644 mg/L	0.5163	4.644 mg/L	0.5163	11.12%
	QC value within limits for Mg 279.077 Recovery =			92.88%			
Mn	257.610†	90482.1	0.4683 mg/L	0.05075	0.4683 mg/L	0.05075	10.84%
	QC value within limits for Mn 257.610 Recovery =			93.66%			
Mo	202.031†	2097.5	0.4772 mg/L	0.05090	0.4772 mg/L	0.05090	10.67%
	QC value within limits for Mo 202.031 Recovery =			95.44%			
Na	589.592†	140684.7	24.55 mg/L	1.968	24.55 mg/L	1.968	8.02%
	QC value within limits for Na 589.592 Recovery =			98.20%			
Ni	231.604†	4686.2	0.4677 mg/L	0.05174	0.4677 mg/L	0.05174	11.06%
	QC value within limits for Ni 231.604 Recovery =			93.53%			
P	214.914†	4993.8	4.679 mg/L	0.5042	4.679 mg/L	0.5042	10.78%
	QC value within limits for P 214.914 Recovery =			93.57%			
Pb	220.353†	1307.0	0.4765 mg/L	0.05882	0.4765 mg/L	0.05882	12.34%
	QC value within limits for Pb 220.353 Recovery =			95.30%			
Sb	206.836†	231.3	0.4725 mg/L	0.05722	0.4725 mg/L	0.05722	12.11%
	QC value within limits for Sb 206.836 Recovery =			94.50%			
Se	196.026†	626.9	0.9449 mg/L	0.09298	0.9449 mg/L	0.09298	9.84%
	QC value within limits for Se 196.026 Recovery =			94.49%			
Sn	189.927†	532.2	0.4849 mg/L	0.05907	0.4849 mg/L	0.05907	12.18%
	QC value within limits for Sn 189.927 Recovery =			96.98%			
Sr	407.771†	42978.6	0.0475 mg/L	0.00379	0.0475 mg/L	0.00379	7.98%
	QC value within limits for Sr 407.771 Recovery =			95.06%			
Ti	337.279†	86983.2	0.4675 mg/L	0.04986	0.4675 mg/L	0.04986	10.67%
	QC value within limits for Ti 337.279 Recovery =			93.49%			
Tl	190.801†	130.4	0.4628 mg/L	0.04931	0.4628 mg/L	0.04931	10.65%
	QC value within limits for Tl 190.801 Recovery =			92.56%			
V	292.402†	22551.1	0.4739 mg/L	0.05095	0.4739 mg/L	0.05095	10.75%
	QC value within limits for V 292.402 Recovery =			94.77%			
Zn	213.857†	20799.3	0.4696 mg/L	0.05270	0.4696 mg/L	0.05270	11.22%
	QC value within limits for Zn 213.857 Recovery =			93.92%			
All analyte(s) passed QC.							

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Sequence No.: 2                               Autosampler Location: 1
Sample ID: CCB1                               Date Collected: 10/9/2012 9:08:00 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CCB1							
Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1.4	4.9	0.0025 mg/L		0.0025 mg/L	21:09:58
1	Fe 234.349†	7.2	1.7	-0.0071 mg/L		-0.0071 mg/L	21:09:58
1	K 766.490†	227.9	85.3	-0.1006 mg/L		-0.1006 mg/L	21:09:48
1	Li 670.784†	-92.7	51.4	-0.0036 mg/L		-0.0036 mg/L	21:09:48
1	Na 589.592†	-282.7	319.5	-0.1897 mg/L		-0.1897 mg/L	21:09:48
1	Sr 407.771†	108.5	23.5	-0.0002 mg/L		-0.0002 mg/L	21:09:48
1	Y 371.029	653343.3	653343.3	1.05 mg/L			21:10:22
1	Ag 328.068†	1425.1	-80.3	-0.0021 mg/L		-0.0021 mg/L	21:10:22
1	Al 237.313†	-154.1	12.5	-0.0010 mg/L		-0.0010 mg/L	21:10:33
1	As 188.979†	0.3	-4.9	-0.0112 mg/L		-0.0112 mg/L	21:10:33
1	B 182.528†	-6.2	-0.4	0.0018 mg/L		0.0018 mg/L	21:10:33
1	Ba 233.527†	-52.6	0.6	0.0008 mg/L		0.0008 mg/L	21:10:33
1	Be 313.107†	-297.6	113.7	0.0000 mg/L		0.0000 mg/L	21:10:22
1	Ca 315.887†	-516.3	457.3	0.0243 mg/L		0.0243 mg/L	21:10:22
1	Cd 228.802†	53.7	-2.4	-0.0004 mg/L		-0.0004 mg/L	21:10:33
1	Co 228.616†	-30.0	5.8	0.0012 mg/L		0.0012 mg/L	21:10:33
1	Cr 267.716†	367.6	-70.2	-0.0027 mg/L		-0.0027 mg/L	21:10:22
1	Cu 324.752†	1833.6	-120.4	0.0021 mg/L		0.0021 mg/L	21:10:22
1	Fe 238.204†	317.1	222.6	0.0064 mg/L		0.0064 mg/L	21:10:33
1	Mg 279.077†	159.4	-31.8	0.0108 mg/L		0.0108 mg/L	21:10:22
1	Mn 257.610†	521.4	241.0	0.0012 mg/L		0.0012 mg/L	21:10:33
1	Mo 202.031†	26.5	30.2	0.0082 mg/L		0.0082 mg/L	21:10:33
1	Ni 231.604†	-6.5	3.0	-0.0005 mg/L		-0.0005 mg/L	21:10:33
1	P 214.914†	210.6	21.7	0.0117 mg/L		0.0117 mg/L	21:10:33
1	Pb 220.353†	-7.6	8.4	0.0037 mg/L		0.0037 mg/L	21:10:33
1	Sb 206.836†	17.9	-2.6	-0.0038 mg/L		-0.0038 mg/L	21:10:33
1	Se 196.026†	1.4	-0.7	0.0021 mg/L		0.0021 mg/L	21:10:33
1	Sn 189.927†	-10.4	-5.4	-0.0044 mg/L		-0.0044 mg/L	21:10:33

1	Ti 337.279†	-395.8	197.7	0.0009 mg/L	0.0009 mg/L	21:10:22
1	Tl 190.801†	0.3	-3.3	-0.0049 mg/L	-0.0049 mg/L	21:10:33
1	V 292.402†	-654.8	173.4	0.0026 mg/L	0.0026 mg/L	21:10:22
1	Zn 213.857†	616.9	36.6	0.0001 mg/L	0.0001 mg/L	21:10:33
2	B 249.677†	1.6	5.1	0.0026 mg/L	0.0026 mg/L	21:10:19
2	Fe 234.349†	11.7	6.3	-0.0033 mg/L	-0.0033 mg/L	21:10:19
2	K 766.490†	211.1	74.6	-0.1063 mg/L	-0.1063 mg/L	21:10:09
2	Li 670.784†	-140.2	2.8	-0.0050 mg/L	-0.0050 mg/L	21:10:09
2	Na 589.592†	-304.3	291.5	-0.1946 mg/L	-0.1946 mg/L	21:10:09
2	Sr 407.771†	100.3	18.2	-0.0002 mg/L	-0.0002 mg/L	21:10:09
2	Y 371.029	636811.9	636811.9	1.03 mg/L		21:10:35
2	Ag 328.068†	1447.6	-23.3	-0.0009 mg/L	-0.0009 mg/L	21:10:35
2	Al 237.313†	-131.9	30.4	0.0057 mg/L	0.0057 mg/L	21:10:45
2	As 188.979†	3.6	-1.8	-0.0040 mg/L	-0.0040 mg/L	21:10:45
2	B 182.528†	-4.5	1.2	0.0065 mg/L	0.0065 mg/L	21:10:45
2	Ba 233.527†	-39.3	12.2	0.0015 mg/L	0.0015 mg/L	21:10:45
2	Be 313.107†	-282.2	121.4	0.0000 mg/L	0.0000 mg/L	21:10:35
2	Ca 315.887†	-649.4	314.8	0.0194 mg/L	0.0194 mg/L	21:10:35
2	Cd 228.802†	55.8	1.0	-0.0001 mg/L	-0.0001 mg/L	21:10:45
2	Co 228.616†	-34.6	0.5	0.0008 mg/L	0.0008 mg/L	21:10:45
2	Cr 267.716†	436.6	6.1	0.0002 mg/L	0.0002 mg/L	21:10:35
2	Cu 324.752†	1723.0	-183.0	0.0012 mg/L	0.0012 mg/L	21:10:35
2	Fe 238.204†	297.5	211.3	0.0061 mg/L	0.0061 mg/L	21:10:45
2	Mg 279.077†	208.5	20.0	0.0220 mg/L	0.0220 mg/L	21:10:35
2	Mn 257.610†	490.7	224.0	0.0011 mg/L	0.0011 mg/L	21:10:45
2	Mo 202.031†	11.9	16.7	0.0052 mg/L	0.0052 mg/L	21:10:45
2	Ni 231.604†	-3.5	5.7	-0.0002 mg/L	-0.0002 mg/L	21:10:45
2	P 214.914†	208.2	24.6	0.0144 mg/L	0.0144 mg/L	21:10:45
2	Pb 220.353†	1.0	16.5	0.0066 mg/L	0.0066 mg/L	21:10:45
2	Sb 206.836†	20.7	0.6	0.0027 mg/L	0.0027 mg/L	21:10:45
2	Se 196.026†	4.0	1.9	0.0060 mg/L	0.0060 mg/L	21:10:45
2	Sn 189.927†	13.5	17.7	0.0163 mg/L	0.0163 mg/L	21:10:45
2	Ti 337.279†	-566.3	21.7	-0.0001 mg/L	-0.0001 mg/L	21:10:35
2	Tl 190.801†	-1.7	-5.3	-0.0120 mg/L	-0.0120 mg/L	21:10:45
2	V 292.402†	-674.6	137.9	0.0019 mg/L	0.0019 mg/L	21:10:35
2	Zn 213.857†	608.2	43.4	0.0003 mg/L	0.0003 mg/L	21:10:45

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	645077.6	1.04 mg/L	0.019			1.81%
Ag 328.068†	-51.8	-0.0015 mg/L	0.00081	-0.0015 mg/L	0.00081	54.40%
QC value within limits for Ag 328.068		Recovery =	Not calculated			
Al 237.313†	21.4	0.0024 mg/L	0.00476	0.0024 mg/L	0.00476	200.72%
QC value within limits for Al 237.313		Recovery =	Not calculated			
As 188.979†	-3.3	-0.0076 mg/L	0.00510	-0.0076 mg/L	0.00510	67.43%
QC value within limits for As 188.979		Recovery =	Not calculated			
B 182.528†	0.4	0.0041 mg/L	0.00334	0.0041 mg/L	0.00334	80.57%
QC value within limits for B 182.528		Recovery =	Not calculated			
B 249.677†	5.0	0.0025 mg/L	0.00008	0.0025 mg/L	0.00008	3.20%
QC value within limits for B 249.677		Recovery =	Not calculated			
Ba 233.527†	6.4	0.0011 mg/L	0.00050	0.0011 mg/L	0.00050	44.67%
QC value within limits for Ba 233.527		Recovery =	Not calculated			
Be 313.107†	117.6	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	25.09%
QC value within limits for Be 313.107		Recovery =	Not calculated			
Ca 315.887†	386.1	0.0219 mg/L	0.00346	0.0219 mg/L	0.00346	15.80%
QC value within limits for Ca 315.887		Recovery =	Not calculated			
Cd 228.802†	-0.7	-0.0002 mg/L	0.00020	-0.0002 mg/L	0.00020	88.66%
QC value within limits for Cd 228.802		Recovery =	Not calculated			
Co 228.616†	3.1	0.0010 mg/L	0.00030	0.0010 mg/L	0.00030	29.23%
QC value within limits for Co 228.616		Recovery =	Not calculated			
Cr 267.716†	-32.0	-0.0013 mg/L	0.00204	-0.0013 mg/L	0.00204	162.41%
QC value within limits for Cr 267.716		Recovery =	Not calculated			
Cu 324.752†	-151.7	0.0017 mg/L	0.00061	0.0017 mg/L	0.00061	36.50%
QC value within limits for Cu 324.752		Recovery =	Not calculated			
Fe 234.349†	4.0	-0.0052 mg/L	0.00271	-0.0052 mg/L	0.00271	51.85%
QC value within limits for Fe 234.349		Recovery =	Not calculated			
Fe 238.204†	217.0	0.0063 mg/L	0.00022	0.0063 mg/L	0.00022	3.55%
QC value within limits for Fe 238.204		Recovery =	Not calculated			
K 766.490†	79.9	-0.1034 mg/L	0.00403	-0.1034 mg/L	0.00403	3.89%
QC value within limits for K 766.490		Recovery =	Not calculated			
Li 670.784†	27.1	-0.0043 mg/L	0.00098	-0.0043 mg/L	0.00098	23.02%

QC value within limits for Li 670.784	Recovery = Not calculated					
Mg 279.077†	-5.9	0.0164 mg/L	0.00796	0.0164 mg/L	0.00796	48.48%
QC value within limits for Mg 279.077	Recovery = Not calculated					
Mn 257.610†	232.5	0.0012 mg/L	0.00006	0.0012 mg/L	0.00006	5.30%
QC value within limits for Mn 257.610	Recovery = Not calculated					
Mo 202.031†	23.5	0.0067 mg/L	0.00218	0.0067 mg/L	0.00218	32.57%
QC value greater than the upper limit for Mo 202.031	Recovery = Not calculated					
Na 589.592†	305.5	-0.1921 mg/L	0.00350	-0.1921 mg/L	0.00350	1.82%
QC value less than the lower limit for Na 589.592	Recovery = Not calculated					
Ni 231.604†	4.3	-0.0004 mg/L	0.00019	-0.0004 mg/L	0.00019	53.29%
QC value within limits for Ni 231.604	Recovery = Not calculated					
P 214.914†	23.2	0.0131 mg/L	0.00195	0.0131 mg/L	0.00195	14.97%
QC value within limits for P 214.914	Recovery = Not calculated					
Pb 220.353†	12.5	0.0051 mg/L	0.00210	0.0051 mg/L	0.00210	40.87%
QC value within limits for Pb 220.353	Recovery = Not calculated					
Sb 206.836†	-1.0	-0.0006 mg/L	0.00457	-0.0006 mg/L	0.00457	797.28%
QC value within limits for Sb 206.836	Recovery = Not calculated					
Se 196.026†	0.6	0.0041 mg/L	0.00275	0.0041 mg/L	0.00275	67.83%
QC value within limits for Se 196.026	Recovery = Not calculated					
Sn 189.927†	6.2	0.0060 mg/L	0.01466	0.0060 mg/L	0.01466	245.39%
QC value within limits for Sn 189.927	Recovery = Not calculated					
Sr 407.771†	20.9	-0.0002 mg/L	0.00000	-0.0002 mg/L	0.00000	2.43%
QC value within limits for Sr 407.771	Recovery = Not calculated					
Ti 337.279†	109.7	0.0004 mg/L	0.00067	0.0004 mg/L	0.00067	161.30%
QC value within limits for Ti 337.279	Recovery = Not calculated					
Tl 190.801†	-4.3	-0.0085 mg/L	0.00501	-0.0085 mg/L	0.00501	59.09%
QC value within limits for Tl 190.801	Recovery = Not calculated					
V 292.402†	155.6	0.0022 mg/L	0.00053	0.0022 mg/L	0.00053	23.45%
QC value greater than the upper limit for V 292.402	Recovery = Not calculated					
Zn 213.857†	40.0	0.0002 mg/L	0.00011	0.0002 mg/L	0.00011	56.66%
QC value within limits for Zn 213.857	Recovery = Not calculated					
QC Failed. Continue with analysis.						

Sequence No.: 3
Sample ID: 1210159-02 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 10/9/2012 9:12:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210159-02 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1098.3	1017.0	0.5953 mg/L	0.5953 mg/L	21:14:15
1	Fe 234.349†	375.1	341.0	0.2086 mg/L	0.2086 mg/L	21:14:15
1	K 766.490†	59255.0	54545.5	28.79 mg/L	28.79 mg/L	21:14:05
1	Li 670.784†	87.1	219.9	0.0012 mg/L	0.0012 mg/L	21:14:05
1	Na 589.592†	1323184.8	1221538.1	215.1 mg/L	215.1 mg/L	21:14:03
1	Sr 407.771†	102015.4	94053.7	0.1042 mg/L	0.1042 mg/L	21:14:03
1	Y 371.029	672668.0	672668.0	1.08 mg/L		21:14:33
1	Ag 328.068†	1408.7	-134.4	-0.0031 mg/L	-0.0031 mg/L	21:14:36
1	Al 237.313†	-35.3	126.3	0.0418 mg/L	0.0418 mg/L	21:14:46
1	As 188.979†	-0.8	-6.0	-0.0136 mg/L	-0.0136 mg/L	21:14:46
1	B 182.528†	187.6	178.7	0.5650 mg/L	0.5650 mg/L	21:14:36
1	Ba 233.527†	113.5	155.2	0.0101 mg/L	0.0101 mg/L	21:14:46
1	Be 313.107†	-393.9	33.0	-0.0001 mg/L	-0.0001 mg/L	21:14:36
1	Ca 315.887†	2295478.5	2119068.0	72.75 mg/L	72.75 mg/L	21:14:33
1	Cd 228.802†	52.7	-4.7	-0.0006 mg/L	-0.0006 mg/L	21:14:46
1	Co 228.616†	-2.8	31.7	0.0033 mg/L	0.0033 mg/L	21:14:46
1	Cr 267.716†	461.7	6.6	0.0002 mg/L	0.0002 mg/L	21:14:36
1	Cu 324.752†	2206.0	173.2	0.0061 mg/L	0.0061 mg/L	21:14:36
1	Fe 238.204†	9197.6	8408.3	0.2338 mg/L	0.2338 mg/L	21:14:36
1	Mg 279.077†	32738.1	30025.4	6.547 mg/L	6.547 mg/L	21:14:36
1	Mn 257.610†	50981.6	46788.2	0.2421 mg/L	0.2421 mg/L	21:14:36
1	Mo 202.031†	100.1	97.5	0.0234 mg/L	0.0234 mg/L	21:14:46
1	Ni 231.604†	97.5	99.0	0.0091 mg/L	0.0091 mg/L	21:14:46
1	P 214.914†	720.9	486.9	0.4493 mg/L	0.4493 mg/L	21:14:46
1	Pb 220.353†	-30.6	-12.6	-0.0041 mg/L	-0.0041 mg/L	21:14:46
1	Sb 206.836†	26.2	4.6	0.0108 mg/L	0.0108 mg/L	21:14:46
1	Se 196.026†	-2.6	-4.4	-0.0034 mg/L	-0.0034 mg/L	21:14:46
1	Sn 189.927†	-195.7	-176.1	-0.1568 mg/L	-0.1568 mg/L	21:14:46
1	Ti 337.279†	264.5	817.8	0.0042 mg/L	0.0042 mg/L	21:14:36

1	Tl 190.801†	4.9	0.8	0.0097 mg/L	0.0097 mg/L	21:14:46
1	V 292.402†	-633.9	210.5	0.0035 mg/L	0.0035 mg/L	21:14:36
1	Zn 213.857†	2936.6	2160.3	0.0484 mg/L	0.0484 mg/L	21:14:46
2	B 249.677†	1103.2	1028.1	0.6019 mg/L	0.6019 mg/L	21:14:30
2	Fe 234.349†	374.3	342.5	0.2103 mg/L	0.2103 mg/L	21:14:30
2	K 766.490†	60572.4	56121.9	29.62 mg/L	29.62 mg/L	21:14:19
2	Li 670.784†	190.3	316.2	0.0040 mg/L	0.0040 mg/L	21:14:19
2	Na 589.592†	1337697.6	1242895.0	218.8 mg/L	218.8 mg/L	21:14:17
2	Sr 407.771†	103494.1	96034.5	0.1064 mg/L	0.1064 mg/L	21:14:17
2	Y 371.029	668355.0	668355.0	1.08 mg/L		21:14:48
2	Ag 328.068†	1470.0	-69.1	-0.0018 mg/L	-0.0018 mg/L	21:14:50
2	Al 237.313†	-74.3	89.9	0.0281 mg/L	0.0281 mg/L	21:15:01
2	As 188.979†	-1.6	-6.7	-0.0152 mg/L	-0.0152 mg/L	21:15:01
2	B 182.528†	175.4	168.5	0.5327 mg/L	0.5327 mg/L	21:14:50
2	Ba 233.527†	99.4	142.9	0.0094 mg/L	0.0094 mg/L	21:15:01
2	Be 313.107†	-277.0	139.2	0.0000 mg/L	0.0000 mg/L	21:14:50
2	Ca 315.887†	2265841.2	2105212.7	72.28 mg/L	72.28 mg/L	21:14:48
2	Cd 228.802†	65.8	7.8	0.0006 mg/L	0.0006 mg/L	21:15:01
2	Co 228.616†	-17.4	18.1	0.0022 mg/L	0.0022 mg/L	21:15:01
2	Cr 267.716†	518.8	62.3	0.0023 mg/L	0.0023 mg/L	21:14:50
2	Cu 324.752†	2213.1	193.0	0.0064 mg/L	0.0064 mg/L	21:14:50
2	Fe 238.204†	9089.4	8362.6	0.2326 mg/L	0.2326 mg/L	21:14:50
2	Mg 279.077†	32356.3	29865.7	6.513 mg/L	6.513 mg/L	21:14:50
2	Mn 257.610†	50587.9	46726.2	0.2418 mg/L	0.2418 mg/L	21:14:50
2	Mo 202.031†	97.5	95.6	0.0230 mg/L	0.0230 mg/L	21:15:01
2	Ni 231.604†	90.6	93.3	0.0085 mg/L	0.0085 mg/L	21:15:01
2	P 214.914†	741.1	509.9	0.4710 mg/L	0.4710 mg/L	21:15:01
2	Pb 220.353†	-43.1	-24.4	-0.0084 mg/L	-0.0084 mg/L	21:15:01
2	Sb 206.836†	24.2	2.9	0.0072 mg/L	0.0072 mg/L	21:15:01
2	Se 196.026†	-1.1	-3.1	-0.0014 mg/L	-0.0014 mg/L	21:15:01
2	Sn 189.927†	-196.3	-177.7	-0.1583 mg/L	-0.1583 mg/L	21:15:01
2	Ti 337.279†	361.0	908.9	0.0047 mg/L	0.0047 mg/L	21:14:50
2	Tl 190.801†	6.1	2.0	0.0136 mg/L	0.0136 mg/L	21:15:01
2	V 292.402†	-699.0	146.3	0.0021 mg/L	0.0021 mg/L	21:14:50
2	Zn 213.857†	2934.3	2175.7	0.0488 mg/L	0.0488 mg/L	21:15:01

Mean Data: 1210159-02 @5

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	670511.5	1.08	mg/L	0.005				0.45%
Ag 328.068†	-101.7	-0.0025	mg/L	0.00093	-0.0025	mg/L	0.00093	37.54%
Al 237.313†	108.1	0.0350	mg/L	0.00967	0.0350	mg/L	0.00967	27.65%
As 188.979†	-6.4	-0.0144	mg/L	0.00111	-0.0144	mg/L	0.00111	7.73%
B 182.528†	173.6	0.5489	mg/L	0.02282	0.5489	mg/L	0.02282	4.16%
B 249.677†	1022.6	0.5986	mg/L	0.00460	0.5986	mg/L	0.00460	0.77%
Ba 233.527†	149.0	0.0097	mg/L	0.00053	0.0097	mg/L	0.00053	5.41%
Be 313.107†	86.1	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	139.80%
Ca 315.887†	2112140.3	72.52	mg/L	0.336	72.52	mg/L	0.336	0.46%
Cd 228.802†	1.5	0.0000	mg/L	0.00082	0.0000	mg/L	0.00082	>999.9%
Co 228.616†	24.9	0.0027	mg/L	0.00077	0.0027	mg/L	0.00077	27.96%
Cr 267.716†	34.4	0.0013	mg/L	0.00149	0.0013	mg/L	0.00149	116.54%
Cu 324.752†	183.1	0.0062	mg/L	0.00019	0.0062	mg/L	0.00019	3.06%
Fe 234.349†	341.7	0.2095	mg/L	0.00116	0.2095	mg/L	0.00116	0.55%
Fe 238.204†	8385.5	0.2332	mg/L	0.00090	0.2332	mg/L	0.00090	0.39%
K 766.490†	55333.7	29.21	mg/L	0.591	29.21	mg/L	0.591	2.02%
Li 670.784†	268.0	0.0026	mg/L	0.00195	0.0026	mg/L	0.00195	74.35%
Mg 279.077†	29945.5	6.530	mg/L	0.0245	6.530	mg/L	0.0245	0.38%
Mn 257.610†	46757.2	0.2419	mg/L	0.00023	0.2419	mg/L	0.00023	0.09%
Mo 202.031†	96.6	0.0232	mg/L	0.00029	0.0232	mg/L	0.00029	1.27%
Na 589.592†	1232216.6	216.9	mg/L	2.66	216.9	mg/L	2.66	1.23%
Ni 231.604†	96.2	0.0088	mg/L	0.00041	0.0088	mg/L	0.00041	4.63%
P 214.914†	498.4	0.4601	mg/L	0.01534	0.4601	mg/L	0.01534	3.33%
Pb 220.353†	-18.5	-0.0062	mg/L	0.00304	-0.0062	mg/L	0.00304	48.68%
Sb 206.836†	3.8	0.0090	mg/L	0.00254	0.0090	mg/L	0.00254	28.33%
Se 196.026†	-3.7	-0.0024	mg/L	0.00143	-0.0024	mg/L	0.00143	60.30%
Sn 189.927†	-176.9	-0.1575	mg/L	0.00105	-0.1575	mg/L	0.00105	0.67%
Sr 407.771†	95044.1	0.1053	mg/L	0.00156	0.1053	mg/L	0.00156	1.48%
Ti 337.279†	863.4	0.0045	mg/L	0.00035	0.0045	mg/L	0.00035	7.76%
Tl 190.801†	1.4	0.0117	mg/L	0.00280	0.0117	mg/L	0.00280	24.02%
V 292.402†	178.4	0.0028	mg/L	0.00094	0.0028	mg/L	0.00094	33.61%
Zn 213.857†	2168.0	0.0486	mg/L	0.00025	0.0486	mg/L	0.00025	0.51%

Sequence No.: 4
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/9/2012 9:16:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	886.5	825.5	0.4823 mg/L	0.4823 mg/L	21:18:30
1	Fe 234.349†	3217.2	2977.9	2.445 mg/L	2.445 mg/L	21:18:30
1	K 766.490†	50234.6	46447.4	24.49 mg/L	24.49 mg/L	21:18:20
1	Li 670.784†	18667.0	17447.9	0.4944 mg/L	0.4944 mg/L	21:18:20
1	Na 589.592†	152563.2	142047.8	24.79 mg/L	24.79 mg/L	21:18:20
1	Sr 407.771†	47821.5	44261.6	0.0490 mg/L	0.0490 mg/L	21:18:20
1	Y 371.029	669414.4	669414.4	1.08 mg/L		21:18:47
1	Ag 328.068†	14736.8	12230.0	0.2458 mg/L	0.2458 mg/L	21:18:47
1	Al 237.313†	6943.2	6596.8	2.479 mg/L	2.479 mg/L	21:18:47
1	As 188.979†	228.9	207.1	0.4758 mg/L	0.4758 mg/L	21:18:57
1	B 182.528†	163.1	156.8	0.4961 mg/L	0.4961 mg/L	21:18:57
1	Ba 233.527†	8998.3	8393.9	0.5073 mg/L	0.5073 mg/L	21:18:47
1	Be 313.107†	50396.1	47124.8	0.0498 mg/L	0.0498 mg/L	21:18:47
1	Ca 315.887†	158803.8	148194.0	5.099 mg/L	5.099 mg/L	21:18:47
1	Cd 228.802†	2964.5	2695.4	0.2461 mg/L	0.2461 mg/L	21:18:57
1	Co 228.616†	6733.0	6277.2	0.4991 mg/L	0.4991 mg/L	21:18:57
1	Cr 267.716†	14785.5	13289.9	0.5030 mg/L	0.5030 mg/L	21:18:47
1	Cu 324.752†	40238.3	35447.4	0.4892 mg/L	0.4892 mg/L	21:18:47
1	Fe 238.204†	97662.4	90476.0	2.515 mg/L	2.515 mg/L	21:18:47
1	Mg 279.077†	24700.3	22719.3	4.960 mg/L	4.960 mg/L	21:18:47
1	Mn 257.610†	105519.8	97585.8	0.5051 mg/L	0.5051 mg/L	21:18:47
1	Mo 202.031†	2380.4	2212.2	0.5032 mg/L	0.5032 mg/L	21:18:57
1	Ni 231.604†	5392.4	5009.0	0.4999 mg/L	0.4999 mg/L	21:18:47
1	P 214.914†	5738.6	5142.6	4.818 mg/L	4.818 mg/L	21:18:57
1	Pb 220.353†	1445.7	1356.1	0.4943 mg/L	0.4943 mg/L	21:18:57
1	Sb 206.836†	279.3	239.4	0.4891 mg/L	0.4891 mg/L	21:18:57
1	Se 196.026†	707.1	653.6	0.9851 mg/L	0.9851 mg/L	21:18:57
1	Sn 189.927†	608.8	569.0	0.5183 mg/L	0.5183 mg/L	21:18:57
1	Ti 337.279†	100342.1	93612.9	0.5031 mg/L	0.5031 mg/L	21:18:47
1	Tl 190.801†	157.6	142.5	0.5051 mg/L	0.5051 mg/L	21:18:57
1	V 292.402†	25327.7	24279.8	0.5102 mg/L	0.5102 mg/L	21:18:47
1	Zn 213.857†	24265.0	21949.6	0.4956 mg/L	0.4956 mg/L	21:18:47
2	B 249.677†	887.9	840.7	0.4912 mg/L	0.4912 mg/L	21:18:43
2	Fe 234.349†	3180.9	2994.1	2.459 mg/L	2.459 mg/L	21:18:43
2	K 766.490†	49646.0	46678.9	24.61 mg/L	24.61 mg/L	21:18:33
2	Li 670.784†	18429.5	17516.2	0.4964 mg/L	0.4964 mg/L	21:18:33
2	Na 589.592†	150337.7	142338.2	24.84 mg/L	24.84 mg/L	21:18:33
2	Sr 407.771†	47102.6	44332.4	0.0490 mg/L	0.0490 mg/L	21:18:33
2	Y 371.029	658298.5	658298.5	1.06 mg/L		21:18:59
2	Ag 328.068†	14673.8	12401.3	0.2492 mg/L	0.2492 mg/L	21:18:59
2	Al 237.313†	6914.8	6678.7	2.510 mg/L	2.510 mg/L	21:18:59
2	As 188.979†	235.5	216.8	0.4983 mg/L	0.4983 mg/L	21:19:10
2	B 182.528†	157.2	153.8	0.4866 mg/L	0.4866 mg/L	21:19:10
2	Ba 233.527†	8847.9	8393.0	0.5072 mg/L	0.5072 mg/L	21:18:59
2	Be 313.107†	49763.8	47317.6	0.0500 mg/L	0.0500 mg/L	21:18:59
2	Ca 315.887†	155626.9	147684.9	5.081 mg/L	5.081 mg/L	21:18:59
2	Cd 228.802†	2984.8	2760.9	0.2521 mg/L	0.2521 mg/L	21:19:10
2	Co 228.616†	6753.6	6402.1	0.5090 mg/L	0.5090 mg/L	21:19:10
2	Cr 267.716†	14611.4	13357.4	0.5056 mg/L	0.5056 mg/L	21:18:59
2	Cu 324.752†	39705.7	35575.2	0.4910 mg/L	0.4910 mg/L	21:18:59
2	Fe 238.204†	95803.7	90252.5	2.508 mg/L	2.508 mg/L	21:18:59
2	Mg 279.077†	24285.6	22715.0	4.959 mg/L	4.959 mg/L	21:18:59
2	Mn 257.610†	103817.3	97632.7	0.5053 mg/L	0.5053 mg/L	21:18:59
2	Mo 202.031†	2395.3	2263.6	0.5149 mg/L	0.5149 mg/L	21:19:10
2	Ni 231.604†	5330.4	5035.0	0.5025 mg/L	0.5025 mg/L	21:18:59
2	P 214.914†	5774.6	5266.4	4.934 mg/L	4.934 mg/L	21:19:10
2	Pb 220.353†	1488.9	1419.5	0.5175 mg/L	0.5175 mg/L	21:19:10
2	Sb 206.836†	275.9	240.6	0.4914 mg/L	0.4914 mg/L	21:19:10
2	Se 196.026†	716.6	673.7	1.015 mg/L	1.015 mg/L	21:19:10
2	Sn 189.927†	636.6	604.8	0.5505 mg/L	0.5505 mg/L	21:19:10
2	Ti 337.279†	98957.9	93878.9	0.5045 mg/L	0.5045 mg/L	21:18:59
2	Tl 190.801†	155.4	142.9	0.5064 mg/L	0.5064 mg/L	21:19:10

2	V 292.402†	24873.5	24248.1	0.5097 mg/L	0.5097 mg/L	21:18:59
2	Zn 213.857†	23757.7	21851.2	0.4933 mg/L	0.4933 mg/L	21:18:59

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	663856.5	1.07 mg/L		0.013			1.18%
Ag 328.068†	12315.7	0.2475 mg/L		0.00244	0.2475 mg/L	0.00244	0.98%
	QC value within limits for Ag 328.068 Recovery = 99.01%						
Al 237.313†	6637.8	2.495 mg/L		0.0218	2.495 mg/L	0.0218	0.87%
	QC value within limits for Al 237.313 Recovery = 99.79%						
As 188.979†	211.9	0.4871 mg/L		0.01589	0.4871 mg/L	0.01589	3.26%
	QC value within limits for As 188.979 Recovery = 97.42%						
B 182.528†	155.3	0.4914 mg/L		0.00668	0.4914 mg/L	0.00668	1.36%
	QC value within limits for B 182.528 Recovery = 98.27%						
B 249.677†	833.1	0.4867 mg/L		0.00628	0.4867 mg/L	0.00628	1.29%
	QC value within limits for B 249.677 Recovery = 97.35%						
Ba 233.527†	8393.5	0.5072 mg/L		0.00004	0.5072 mg/L	0.00004	0.01%
	QC value within limits for Ba 233.527 Recovery = 101.45%						
Be 313.107†	47221.2	0.0499 mg/L		0.00014	0.0499 mg/L	0.00014	0.29%
	QC value within limits for Be 313.107 Recovery = 99.81%						
Ca 315.887†	147939.4	5.090 mg/L		0.0124	5.090 mg/L	0.0124	0.24%
	QC value within limits for Ca 315.887 Recovery = 101.80%						
Cd 228.802†	2728.1	0.2491 mg/L		0.00420	0.2491 mg/L	0.00420	1.69%
	QC value within limits for Cd 228.802 Recovery = 99.64%						
Co 228.616†	6339.7	0.5040 mg/L		0.00702	0.5040 mg/L	0.00702	1.39%
	QC value within limits for Co 228.616 Recovery = 100.81%						
Cr 267.716†	13323.7	0.5043 mg/L		0.00181	0.5043 mg/L	0.00181	0.36%
	QC value within limits for Cr 267.716 Recovery = 100.87%						
Cu 324.752†	35511.3	0.4901 mg/L		0.00124	0.4901 mg/L	0.00124	0.25%
	QC value within limits for Cu 324.752 Recovery = 98.02%						
Fe 234.349†	2986.0	2.452 mg/L		0.0094	2.452 mg/L	0.0094	0.38%
	QC value within limits for Fe 234.349 Recovery = 98.08%						
Fe 238.204†	90364.3	2.511 mg/L		0.0044	2.511 mg/L	0.0044	0.17%
	QC value within limits for Fe 238.204 Recovery = 100.46%						
K 766.490†	46563.1	24.55 mg/L		0.087	24.55 mg/L	0.087	0.35%
	QC value within limits for K 766.490 Recovery = 98.21%						
Li 670.784†	17482.1	0.4954 mg/L		0.00138	0.4954 mg/L	0.00138	0.28%
	QC value within limits for Li 670.784 Recovery = 99.07%						
Mg 279.077†	22717.2	4.959 mg/L		0.0007	4.959 mg/L	0.0007	0.01%
	QC value within limits for Mg 279.077 Recovery = 99.18%						
Mn 257.610†	97609.3	0.5052 mg/L		0.00017	0.5052 mg/L	0.00017	0.03%
	QC value within limits for Mn 257.610 Recovery = 101.04%						
Mo 202.031†	2237.9	0.5090 mg/L		0.00825	0.5090 mg/L	0.00825	1.62%
	QC value within limits for Mo 202.031 Recovery = 101.81%						
Na 589.592†	142193.0	24.82 mg/L		0.036	24.82 mg/L	0.036	0.15%
	QC value within limits for Na 589.592 Recovery = 99.27%						
Ni 231.604†	5022.0	0.5012 mg/L		0.00185	0.5012 mg/L	0.00185	0.37%
	QC value within limits for Ni 231.604 Recovery = 100.25%						
P 214.914†	5204.5	4.876 mg/L		0.0822	4.876 mg/L	0.0822	1.69%
	QC value within limits for P 214.914 Recovery = 97.53%						
Pb 220.353†	1387.8	0.5059 mg/L		0.01638	0.5059 mg/L	0.01638	3.24%
	QC value within limits for Pb 220.353 Recovery = 101.18%						
Sb 206.836†	240.0	0.4903 mg/L		0.00164	0.4903 mg/L	0.00164	0.33%
	QC value within limits for Sb 206.836 Recovery = 98.05%						
Se 196.026†	663.6	1.000 mg/L		0.0213	1.000 mg/L	0.0213	2.13%
	QC value within limits for Se 196.026 Recovery = 100.02%						
Sn 189.927†	586.9	0.5344 mg/L		0.02275	0.5344 mg/L	0.02275	4.26%
	QC value within limits for Sn 189.927 Recovery = 106.88%						
Sr 407.771†	44297.0	0.0490 mg/L		0.00006	0.0490 mg/L	0.00006	0.11%
	QC value within limits for Sr 407.771 Recovery = 97.99%						
Ti 337.279†	93745.9	0.5038 mg/L		0.00101	0.5038 mg/L	0.00101	0.20%
	QC value within limits for Ti 337.279 Recovery = 100.76%						
Tl 190.801†	142.7	0.5058 mg/L		0.00091	0.5058 mg/L	0.00091	0.18%
	QC value within limits for Tl 190.801 Recovery = 101.15%						
V 292.402†	24263.9	0.5100 mg/L		0.00040	0.5100 mg/L	0.00040	0.08%
	QC value within limits for V 292.402 Recovery = 101.99%						
Zn 213.857†	21900.4	0.4945 mg/L		0.00160	0.4945 mg/L	0.00160	0.32%
	QC value within limits for Zn 213.857 Recovery = 98.89%						

All analyte(s) passed QC.

Sequence No.: 5
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2012 9:20:48PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.2	6.7	0.0035	mg/L	0.0035 mg/L	21:22:48
1	Fe 234.349†	3.8	-1.5	-0.0097	mg/L	-0.0097 mg/L	21:22:48
1	K 766.490†	205.0	66.0	-0.1109	mg/L	-0.1109 mg/L	21:22:38
1	Li 670.784†	-132.3	12.3	-0.0047	mg/L	-0.0047 mg/L	21:22:38
1	Na 589.592†	-134.8	458.5	-0.1652	mg/L	-0.1652 mg/L	21:22:38
1	Sr 407.771†	114.0	30.0	-0.0002	mg/L	-0.0002 mg/L	21:22:38
1	Y 371.029	645593.9	645593.9	1.04	mg/L		21:23:13
1	Ag 328.068†	1468.1	-22.7	-0.0009	mg/L	-0.0009 mg/L	21:23:13
1	Al 237.313†	-175.5	-9.8	-0.0094	mg/L	-0.0094 mg/L	21:23:23
1	As 188.979†	3.8	-1.5	-0.0035	mg/L	-0.0035 mg/L	21:23:23
1	B 182.528†	-2.5	3.2	0.0129	mg/L	0.0129 mg/L	21:23:23
1	Ba 233.527†	-55.4	-2.8	0.0006	mg/L	0.0006 mg/L	21:23:23
1	Be 313.107†	-361.6	48.8	-0.0001	mg/L	-0.0001 mg/L	21:23:13
1	Ca 315.887†	-726.6	249.2	0.0172	mg/L	0.0172 mg/L	21:23:13
1	Cd 228.802†	56.1	0.5	-0.0001	mg/L	-0.0001 mg/L	21:23:23
1	Co 228.616†	-53.7	-17.4	-0.0006	mg/L	-0.0006 mg/L	21:23:23
1	Cr 267.716†	417.3	-18.2	-0.0007	mg/L	-0.0007 mg/L	21:23:13
1	Cu 324.752†	1777.7	-153.3	0.0016	mg/L	0.0016 mg/L	21:23:13
1	Fe 238.204†	223.4	136.2	0.0040	mg/L	0.0040 mg/L	21:23:23
1	Mg 279.077†	218.9	27.2	0.0236	mg/L	0.0236 mg/L	21:23:13
1	Mn 257.610†	441.4	170.0	0.0009	mg/L	0.0009 mg/L	21:23:23
1	Mo 202.031†	0.6	5.6	0.0026	mg/L	0.0026 mg/L	21:23:23
1	Ni 231.604†	-3.0	6.3	-0.0002	mg/L	-0.0002 mg/L	21:23:23
1	P 214.914†	203.8	17.6	0.0078	mg/L	0.0078 mg/L	21:23:23
1	Pb 220.353†	-11.3	4.7	0.0023	mg/L	0.0023 mg/L	21:23:23
1	Sb 206.836†	18.3	-2.0	-0.0026	mg/L	-0.0026 mg/L	21:23:23
1	Se 196.026†	-3.2	-5.1	-0.0046	mg/L	-0.0046 mg/L	21:23:23
1	Sn 189.927†	-3.1	1.6	0.0018	mg/L	0.0018 mg/L	21:23:23
1	Ti 337.279†	-724.1	-122.5	-0.0008	mg/L	-0.0008 mg/L	21:23:13
1	Tl 190.801†	-0.4	-4.1	-0.0076	mg/L	-0.0076 mg/L	21:23:23
1	V 292.402†	-709.8	113.0	0.0013	mg/L	0.0013 mg/L	21:23:13
1	Zn 213.857†	616.8	43.6	0.0003	mg/L	0.0003 mg/L	21:23:23
2	B 249.677†	3.3	6.8	0.0036	mg/L	0.0036 mg/L	21:23:09
2	Fe 234.349†	2.9	-2.3	-0.0104	mg/L	-0.0104 mg/L	21:23:09
2	K 766.490†	192.2	54.3	-0.1170	mg/L	-0.1170 mg/L	21:22:59
2	Li 670.784†	-117.4	26.3	-0.0043	mg/L	-0.0043 mg/L	21:22:59
2	Na 589.592†	-189.7	405.0	-0.1746	mg/L	-0.1746 mg/L	21:22:59
2	Sr 407.771†	79.0	-3.3	-0.0002	mg/L	-0.0002 mg/L	21:22:59
2	Y 371.029	643291.0	643291.0	1.04	mg/L		21:23:25
2	Ag 328.068†	1430.8	-53.7	-0.0015	mg/L	-0.0015 mg/L	21:23:25
2	Al 237.313†	-166.8	-2.0	-0.0064	mg/L	-0.0064 mg/L	21:23:35
2	As 188.979†	6.0	0.6	0.0014	mg/L	0.0014 mg/L	21:23:35
2	B 182.528†	-6.8	-1.0	-0.0002	mg/L	-0.0002 mg/L	21:23:35
2	Ba 233.527†	-42.0	10.0	0.0013	mg/L	0.0013 mg/L	21:23:35
2	Be 313.107†	-282.0	124.3	0.0000	mg/L	0.0000 mg/L	21:23:25
2	Ca 315.887†	-679.2	292.5	0.0186	mg/L	0.0186 mg/L	21:23:25
2	Cd 228.802†	55.5	0.2	-0.0002	mg/L	-0.0002 mg/L	21:23:35
2	Co 228.616†	-34.1	1.4	0.0009	mg/L	0.0009 mg/L	21:23:35
2	Cr 267.716†	415.6	-18.4	-0.0007	mg/L	-0.0007 mg/L	21:23:25
2	Cu 324.752†	1830.6	-96.1	0.0024	mg/L	0.0024 mg/L	21:23:25
2	Fe 238.204†	247.0	159.7	0.0047	mg/L	0.0047 mg/L	21:23:35
2	Mg 279.077†	200.2	9.9	0.0199	mg/L	0.0199 mg/L	21:23:25
2	Mn 257.610†	426.8	157.5	0.0008	mg/L	0.0008 mg/L	21:23:35
2	Mo 202.031†	19.9	24.3	0.0069	mg/L	0.0069 mg/L	21:23:35
2	Ni 231.604†	-2.5	6.7	-0.0001	mg/L	-0.0001 mg/L	21:23:35
2	P 214.914†	197.6	12.4	0.0028	mg/L	0.0028 mg/L	21:23:35
2	Pb 220.353†	-15.2	0.9	0.0009	mg/L	0.0009 mg/L	21:23:35
2	Sb 206.836†	21.9	1.5	0.0045	mg/L	0.0045 mg/L	21:23:35
2	Se 196.026†	7.5	5.2	0.0110	mg/L	0.0110 mg/L	21:23:35
2	Sn 189.927†	-7.6	-2.8	-0.0021	mg/L	-0.0021 mg/L	21:23:35
2	Ti 337.279†	-577.3	16.7	-0.0001	mg/L	-0.0001 mg/L	21:23:25
2	Tl 190.801†	6.1	2.2	0.0147	mg/L	0.0147 mg/L	21:23:35
2	V 292.402†	-818.7	5.5	-0.0009	mg/L	-0.0009 mg/L	21:23:25

 Mean Data: CCB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	644442.4	1.04 mg/L		0.003			0.25%
Ag 328.068†	-38.2	-0.0012 mg/L		0.00044	-0.0012 mg/L	0.00044	36.09%
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 237.313†	-5.9	-0.0079 mg/L		0.00209	-0.0079 mg/L	0.00209	26.47%
QC value within limits for Al 237.313 Recovery = Not calculated							
As 188.979†	-0.5	-0.0010 mg/L		0.00347	-0.0010 mg/L	0.00347	336.11%
QC value within limits for As 188.979 Recovery = Not calculated							
B 182.528†	1.1	0.0064 mg/L		0.00924	0.0064 mg/L	0.00924	145.33%
QC value within limits for B 182.528 Recovery = Not calculated							
B 249.677†	6.7	0.0035 mg/L		0.00003	0.0035 mg/L	0.00003	0.97%
QC value within limits for B 249.677 Recovery = Not calculated							
Ba 233.527†	3.6	0.0009 mg/L		0.00055	0.0009 mg/L	0.00055	57.89%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	86.5	-0.0001 mg/L		0.00006	-0.0001 mg/L	0.00006	99.77%
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 315.887†	270.9	0.0179 mg/L		0.00103	0.0179 mg/L	0.00103	5.77%
QC value within limits for Ca 315.887 Recovery = Not calculated							
Cd 228.802†	0.4	-0.0002 mg/L		0.00004	-0.0002 mg/L	0.00004	23.09%
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	-8.0	0.0001 mg/L		0.00106	0.0001 mg/L	0.00106	848.05%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-18.3	-0.0007 mg/L		0.00000	-0.0007 mg/L	0.00000	0.28%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	-124.7	0.0020 mg/L		0.00055	0.0020 mg/L	0.00055	27.28%
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 234.349†	-1.9	-0.0101 mg/L		0.00050	-0.0101 mg/L	0.00050	4.91%
QC value within limits for Fe 234.349 Recovery = Not calculated							
Fe 238.204†	147.9	0.0043 mg/L		0.00046	0.0043 mg/L	0.00046	10.60%
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	60.1	-0.1139 mg/L		0.00437	-0.1139 mg/L	0.00437	3.83%
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	19.3	-0.0045 mg/L		0.00028	-0.0045 mg/L	0.00028	6.28%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.077†	18.6	0.0217 mg/L		0.00266	0.0217 mg/L	0.00266	12.25%
QC value greater than the upper limit for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	163.8	0.0008 mg/L		0.00005	0.0008 mg/L	0.00005	5.66%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	14.9	0.0048 mg/L		0.00300	0.0048 mg/L	0.00300	62.94%
QC value greater than the upper limit for Mo 202.031 Recovery = Not calculated							
Na 589.592†	431.8	-0.1699 mg/L		0.00666	-0.1699 mg/L	0.00666	3.92%
QC value less than the lower limit for Na 589.592 Recovery = Not calculated							
Ni 231.604†	6.5	-0.0001 mg/L		0.00004	-0.0001 mg/L	0.00004	24.74%
QC value within limits for Ni 231.604 Recovery = Not calculated							
P 214.914†	15.0	0.0053 mg/L		0.00354	0.0053 mg/L	0.00354	66.26%
QC value within limits for P 214.914 Recovery = Not calculated							
Pb 220.353†	2.8	0.0016 mg/L		0.00098	0.0016 mg/L	0.00098	60.36%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-0.2	0.0010 mg/L		0.00506	0.0010 mg/L	0.00506	531.10%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	0.0	0.0032 mg/L		0.01100	0.0032 mg/L	0.01100	345.05%
QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	-0.6	-0.0001 mg/L		0.00280	-0.0001 mg/L	0.00280	>999.9%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	13.4	-0.0002 mg/L		0.00003	-0.0002 mg/L	0.00003	14.62%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 337.279†	-52.9	-0.0005 mg/L		0.00053	-0.0005 mg/L	0.00053	115.14%
QC value within limits for Ti 337.279 Recovery = Not calculated							
Tl 190.801†	-0.9	0.0036 mg/L		0.01578	0.0036 mg/L	0.01578	440.52%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	59.2	0.0002 mg/L		0.00156	0.0002 mg/L	0.00156	699.59%
QC value within limits for V 292.402 Recovery = Not calculated							
Zn 213.857†	44.9	0.0003 mg/L		0.00004	0.0003 mg/L	0.00004	13.66%
QC value within limits for Zn 213.857 Recovery = Not calculated							
QC Failed. Continue with analysis.							

Sample ID: CJ20903-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/9/2012 9:25:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20903-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	3.9	7.2	0.0038	mg/L	0.0038	mg/L	21:27:14
1	Fe 234.349†	19.5	13.1	0.0023	mg/L	0.0023	mg/L	21:27:14
1	K 766.490†	219.6	74.4	-0.1064	mg/L	-0.1064	mg/L	21:27:04
1	Li 670.784†	-146.8	2.1	-0.0050	mg/L	-0.0050	mg/L	21:27:04
1	Na 589.592†	-308.5	299.2	-0.1933	mg/L	-0.1933	mg/L	21:27:04
1	Sr 407.771†	216.8	123.4	-0.0001	mg/L	-0.0001	mg/L	21:27:04
1	Y 371.029	662903.9	662903.9	1.07	mg/L			21:27:39
1	Ag 328.068†	1416.4	-108.0	-0.0026	mg/L	-0.0026	mg/L	21:27:39
1	Al 237.313†	-106.7	59.1	0.0165	mg/L	0.0165	mg/L	21:27:49
1	As 188.979†	7.2	1.5	0.0036	mg/L	0.0036	mg/L	21:27:49
1	B 182.528†	-9.0	-2.8	-0.0060	mg/L	-0.0060	mg/L	21:27:49
1	Ba 233.527†	-36.6	16.3	0.0017	mg/L	0.0017	mg/L	21:27:49
1	Be 313.107†	-239.6	172.1	0.0000	mg/L	0.0000	mg/L	21:27:39
1	Ca 315.887†	968.1	1854.3	0.0723	mg/L	0.0723	mg/L	21:27:39
1	Cd 228.802†	58.2	1.1	-0.0001	mg/L	-0.0001	mg/L	21:27:49
1	Co 228.616†	-29.0	7.1	0.0013	mg/L	0.0013	mg/L	21:27:49
1	Cr 267.716†	399.8	-45.0	-0.0018	mg/L	-0.0018	mg/L	21:27:39
1	Cu 324.752†	1909.9	-74.0	0.0027	mg/L	0.0027	mg/L	21:27:39
1	Fe 238.204†	747.4	621.2	0.0175	mg/L	0.0175	mg/L	21:27:49
1	Mg 279.077†	222.1	24.7	0.0231	mg/L	0.0231	mg/L	21:27:39
1	Mn 257.610†	668.4	371.5	0.0019	mg/L	0.0019	mg/L	21:27:49
1	Mo 202.031†	-0.5	4.6	0.0024	mg/L	0.0024	mg/L	21:27:49
1	Ni 231.604†	2.5	11.5	0.0003	mg/L	0.0003	mg/L	21:27:49
1	P 214.914†	203.1	11.9	0.0024	mg/L	0.0024	mg/L	21:27:49
1	Pb 220.353†	-20.2	-3.3	-0.0006	mg/L	-0.0006	mg/L	21:27:49
1	Sb 206.836†	16.7	-4.0	-0.0067	mg/L	-0.0067	mg/L	21:27:49
1	Se 196.026†	-0.1	-2.1	0.0000	mg/L	0.0000	mg/L	21:27:49
1	Sn 189.927†	-14.6	-9.1	-0.0077	mg/L	-0.0077	mg/L	21:27:49
1	Ti 337.279†	-525.3	81.9	0.0003	mg/L	0.0003	mg/L	21:27:39
1	Tl 190.801†	2.5	-1.3	0.0023	mg/L	0.0023	mg/L	21:27:49
1	V 292.402†	-829.8	18.5	-0.0007	mg/L	-0.0007	mg/L	21:27:39
1	Zn 213.857†	775.6	176.8	0.0033	mg/L	0.0033	mg/L	21:27:49
2	B 249.677†	2.3	5.7	0.0030	mg/L	0.0030	mg/L	21:27:35
2	Fe 234.349†	25.1	18.6	0.0068	mg/L	0.0068	mg/L	21:27:35
2	K 766.490†	188.5	47.0	-0.1209	mg/L	-0.1209	mg/L	21:27:25
2	Li 670.784†	-89.4	55.0	-0.0035	mg/L	-0.0035	mg/L	21:27:25
2	Na 589.592†	-302.9	301.7	-0.1928	mg/L	-0.1928	mg/L	21:27:25
2	Sr 407.771†	180.0	90.6	-0.0001	mg/L	-0.0001	mg/L	21:27:25
2	Y 371.029	656593.3	656593.3	1.06	mg/L			21:27:51
2	Ag 328.068†	1447.0	-66.4	-0.0018	mg/L	-0.0018	mg/L	21:27:51
2	Al 237.313†	-112.4	52.7	0.0141	mg/L	0.0141	mg/L	21:28:01
2	As 188.979†	3.9	-1.5	-0.0034	mg/L	-0.0034	mg/L	21:28:01
2	B 182.528†	-4.8	1.0	0.0061	mg/L	0.0061	mg/L	21:28:01
2	Ba 233.527†	-26.3	25.6	0.0023	mg/L	0.0023	mg/L	21:28:01
2	Be 313.107†	-274.0	137.4	0.0000	mg/L	0.0000	mg/L	21:27:51
2	Ca 315.887†	846.8	1748.3	0.0686	mg/L	0.0686	mg/L	21:27:51
2	Cd 228.802†	55.1	-1.3	-0.0003	mg/L	-0.0003	mg/L	21:28:01
2	Co 228.616†	-39.9	-3.5	0.0005	mg/L	0.0005	mg/L	21:28:01
2	Cr 267.716†	399.3	-42.0	-0.0016	mg/L	-0.0016	mg/L	21:27:51
2	Cu 324.752†	1918.6	-48.7	0.0031	mg/L	0.0031	mg/L	21:27:51
2	Fe 238.204†	758.0	638.0	0.0180	mg/L	0.0180	mg/L	21:28:01
2	Mg 279.077†	136.5	-54.2	0.0059	mg/L	0.0059	mg/L	21:27:51
2	Mn 257.610†	680.9	389.3	0.0020	mg/L	0.0020	mg/L	21:28:01
2	Mo 202.031†	0.8	5.8	0.0027	mg/L	0.0027	mg/L	21:28:01
2	Ni 231.604†	13.4	21.8	0.0014	mg/L	0.0014	mg/L	21:28:01
2	P 214.914†	184.4	-4.0	-0.0125	mg/L	-0.0125	mg/L	21:28:01
2	Pb 220.353†	-10.3	5.8	0.0027	mg/L	0.0027	mg/L	21:28:01
2	Sb 206.836†	21.7	0.9	0.0033	mg/L	0.0033	mg/L	21:28:01
2	Se 196.026†	-1.9	-3.8	-0.0026	mg/L	-0.0026	mg/L	21:28:01
2	Sn 189.927†	0.8	5.3	0.0053	mg/L	0.0053	mg/L	21:28:01
2	Ti 337.279†	-494.5	106.2	0.0004	mg/L	0.0004	mg/L	21:27:51
2	Tl 190.801†	1.0	-2.7	-0.0028	mg/L	-0.0028	mg/L	21:28:01
2	V 292.402†	-730.1	105.3	0.0012	mg/L	0.0012	mg/L	21:27:51
2	Zn 213.857†	746.7	156.5	0.0028	mg/L	0.0028	mg/L	21:28:01

 Mean Data: CJ20903-BLK1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	659748.6	1.06	mg/L	0.007				0.68%
Ag 328.068†	-87.2	-0.0022	mg/L	0.00059	-0.0022	mg/L	0.00059	26.90%
Al 237.313†	55.9	0.0153	mg/L	0.00169	0.0153	mg/L	0.00169	11.01%
As 188.979†	0.0	0.0001	mg/L	0.00495	0.0001	mg/L	0.00495	>999.9%
B 182.528†	-0.9	0.0000	mg/L	0.00855	0.0000	mg/L	0.00855	>999.9%
B 249.677†	6.5	0.0034	mg/L	0.00060	0.0034	mg/L	0.00060	17.66%
Ba 233.527†	21.0	0.0020	mg/L	0.00040	0.0020	mg/L	0.00040	20.02%
Be 313.107†	154.8	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	167.88%
Ca 315.887†	1801.3	0.0705	mg/L	0.00256	0.0705	mg/L	0.00256	3.64%
Cd 228.802†	-0.1	-0.0002	mg/L	0.00013	-0.0002	mg/L	0.00013	67.13%
Co 228.616†	1.8	0.0009	mg/L	0.00060	0.0009	mg/L	0.00060	65.80%
Cr 267.716†	-43.5	-0.0017	mg/L	0.00008	-0.0017	mg/L	0.00008	4.82%
Cu 324.752†	-61.3	0.0029	mg/L	0.00025	0.0029	mg/L	0.00025	8.48%
Fe 234.349†	15.9	0.0046	mg/L	0.00321	0.0046	mg/L	0.00321	70.46%
Fe 238.204†	629.6	0.0177	mg/L	0.00033	0.0177	mg/L	0.00033	1.87%
K 766.490†	60.7	-0.1136	mg/L	0.01026	-0.1136	mg/L	0.01026	9.03%
Li 670.784†	28.5	-0.0042	mg/L	0.00107	-0.0042	mg/L	0.00107	25.32%
Mg 279.077†	-14.8	0.0145	mg/L	0.01213	0.0145	mg/L	0.01213	83.68%
Mn 257.610†	380.4	0.0019	mg/L	0.00007	0.0019	mg/L	0.00007	3.38%
Mo 202.031†	5.2	0.0025	mg/L	0.00020	0.0025	mg/L	0.00020	7.96%
Na 589.592†	300.5	-0.1930	mg/L	0.00031	-0.1930	mg/L	0.00031	0.16%
Ni 231.604†	16.6	0.0009	mg/L	0.00073	0.0009	mg/L	0.00073	84.62%
P 214.914†	3.9	-0.0050	mg/L	0.01056	-0.0050	mg/L	0.01056	210.40%
Pb 220.353†	1.3	0.0010	mg/L	0.00237	0.0010	mg/L	0.00237	227.40%
Sb 206.836†	-1.5	-0.0017	mg/L	0.00708	-0.0017	mg/L	0.00708	421.82%
Se 196.026†	-2.9	-0.0013	mg/L	0.00179	-0.0013	mg/L	0.00179	138.94%
Sn 189.927†	-1.9	-0.0012	mg/L	0.00915	-0.0012	mg/L	0.00915	751.01%
Sr 407.771†	107.0	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	34.41%
Ti 337.279†	94.0	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	27.98%
Tl 190.801†	-2.0	-0.0003	mg/L	0.00364	-0.0003	mg/L	0.00364	>999.9%
V 292.402†	61.9	0.0003	mg/L	0.00128	0.0003	mg/L	0.00128	505.21%
Zn 213.857†	166.6	0.0031	mg/L	0.00033	0.0031	mg/L	0.00033	10.81%

Sequence No.: 7

Sample ID: CJ20903-BS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 11

Date Collected: 10/9/2012 9:29:39 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

 Replicate Data: CJ20903-BS1

Repl#	Analyte	Net		Calib. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	888.3	835.2	0.4880	mg/L	0.4880	mg/L	21:31:28
1	Fe 234.349†	3196.0	2987.0	2.453	mg/L	2.453	mg/L	21:31:28
1	K 766.490†	49583.2	46290.0	24.41	mg/L	24.41	mg/L	21:31:18
1	Li 670.784†	18737.0	17681.6	0.5011	mg/L	0.5011	mg/L	21:31:18
1	Na 589.592†	149523.5	140576.3	24.53	mg/L	24.53	mg/L	21:31:18
1	Sr 407.771†	46543.6	43495.9	0.0481	mg/L	0.0481	mg/L	21:31:18
1	Y 371.029	662974.0	662974.0	1.07	mg/L			21:31:44
1	Ag 328.068†	14602.6	12237.1	0.2459	mg/L	0.2459	mg/L	21:31:44
1	Al 237.313†	6586.3	6325.2	2.377	mg/L	2.377	mg/L	21:31:44
1	As 188.979†	227.4	207.7	0.4773	mg/L	0.4773	mg/L	21:31:55
1	B 182.528†	161.6	156.9	0.4962	mg/L	0.4962	mg/L	21:31:55
1	Ba 233.527†	8805.1	8294.1	0.5012	mg/L	0.5012	mg/L	21:31:44
1	Be 313.107†	49673.3	46902.0	0.0496	mg/L	0.0496	mg/L	21:31:44
1	Ca 315.887†	149919.1	141306.3	4.862	mg/L	4.862	mg/L	21:31:44
1	Cd 228.802†	2942.0	2701.0	0.2466	mg/L	0.2466	mg/L	21:31:55
1	Co 228.616†	6551.5	6167.9	0.4904	mg/L	0.4904	mg/L	21:31:44
1	Cr 267.716†	14488.4	13145.0	0.4976	mg/L	0.4976	mg/L	21:31:44
1	Cu 324.752†	40105.8	35685.8	0.4924	mg/L	0.4924	mg/L	21:31:44
1	Fe 238.204†	95333.8	89175.5	2.478	mg/L	2.478	mg/L	21:31:44
1	Mg 279.077†	23794.9	22094.2	4.824	mg/L	4.824	mg/L	21:31:44
1	Mn 257.610†	103574.5	96715.1	0.5006	mg/L	0.5006	mg/L	21:31:44
1	Mo 202.031†	2345.5	2200.9	0.5006	mg/L	0.5006	mg/L	21:31:55
1	Ni 231.604†	5317.6	4987.6	0.4978	mg/L	0.4978	mg/L	21:31:44
1	P 214.914†	5691.9	5150.6	4.826	mg/L	4.826	mg/L	21:31:55

1	Pb 220.353†	1456.2	1379.0	0.5027 mg/L	0.5027 mg/L	21:31:55
1	Sb 206.836†	272.2	235.3	0.4806 mg/L	0.4806 mg/L	21:31:55
1	Se 196.026†	699.5	652.8	0.9840 mg/L	0.9840 mg/L	21:31:55
1	Sn 189.927†	598.7	565.1	0.5148 mg/L	0.5148 mg/L	21:31:55
1	Ti 337.279†	93276.8	87902.0	0.4724 mg/L	0.4724 mg/L	21:31:44
1	Tl 190.801†	156.9	143.3	0.5080 mg/L	0.5080 mg/L	21:31:55
1	V 292.402†	24575.1	23803.3	0.5003 mg/L	0.5003 mg/L	21:31:44
1	Zn 213.857†	24315.5	22215.4	0.5017 mg/L	0.5017 mg/L	21:31:44
2	B 249.677†	881.6	825.6	0.4823 mg/L	0.4823 mg/L	21:31:40
2	Fe 234.349†	3196.4	2975.4	2.443 mg/L	2.443 mg/L	21:31:40
2	K 766.490†	49303.4	45842.2	24.17 mg/L	24.17 mg/L	21:31:30
2	Li 670.784†	18702.7	17579.0	0.4981 mg/L	0.4981 mg/L	21:31:30
2	Na 589.592†	148357.2	138924.9	24.24 mg/L	24.24 mg/L	21:31:30
2	Sr 407.771†	46097.4	42904.3	0.0474 mg/L	0.0474 mg/L	21:31:30
2	Y 371.029	665654.6	665654.6	1.07 mg/L		21:31:57
2	Ag 328.068†	14485.4	12072.8	0.2426 mg/L	0.2426 mg/L	21:31:57
2	Al 237.313†	6557.1	6273.1	2.358 mg/L	2.358 mg/L	21:31:57
2	As 188.979†	232.7	211.7	0.4866 mg/L	0.4866 mg/L	21:32:07
2	B 182.528†	157.2	152.1	0.4813 mg/L	0.4813 mg/L	21:32:07
2	Ba 233.527†	8780.2	8237.7	0.4978 mg/L	0.4978 mg/L	21:31:57
2	Be 313.107†	49631.7	46675.9	0.0493 mg/L	0.0493 mg/L	21:31:57
2	Ca 315.887†	149470.8	140323.0	4.828 mg/L	4.828 mg/L	21:31:57
2	Cd 228.802†	2936.4	2684.7	0.2451 mg/L	0.2451 mg/L	21:32:07
2	Co 228.616†	6550.2	6142.1	0.4884 mg/L	0.4884 mg/L	21:31:57
2	Cr 267.716†	14504.6	13105.5	0.4961 mg/L	0.4961 mg/L	21:31:57
2	Cu 324.752†	40169.7	35594.2	0.4912 mg/L	0.4912 mg/L	21:31:57
2	Fe 238.204†	95110.3	88607.7	2.463 mg/L	2.463 mg/L	21:31:57
2	Mg 279.077†	23810.4	22019.0	4.807 mg/L	4.807 mg/L	21:31:57
2	Mn 257.610†	103576.3	96326.2	0.4986 mg/L	0.4986 mg/L	21:31:57
2	Mo 202.031†	2328.9	2176.7	0.4951 mg/L	0.4951 mg/L	21:32:07
2	Ni 231.604†	5360.6	5007.6	0.4998 mg/L	0.4998 mg/L	21:31:57
2	P 214.914†	5687.6	5125.1	4.802 mg/L	4.802 mg/L	21:32:07
2	Pb 220.353†	1436.2	1354.8	0.4939 mg/L	0.4939 mg/L	21:32:07
2	Sb 206.836†	275.9	237.7	0.4855 mg/L	0.4855 mg/L	21:32:07
2	Se 196.026†	700.7	651.3	0.9817 mg/L	0.9817 mg/L	21:32:07
2	Sn 189.927†	624.1	586.5	0.5340 mg/L	0.5340 mg/L	21:32:07
2	Ti 337.279†	93002.3	87294.4	0.4691 mg/L	0.4691 mg/L	21:31:57
2	Tl 190.801†	158.6	144.3	0.5116 mg/L	0.5116 mg/L	21:32:07
2	V 292.402†	24663.6	23793.2	0.5000 mg/L	0.5000 mg/L	21:31:57
2	Zn 213.857†	24079.2	21903.4	0.4945 mg/L	0.4945 mg/L	21:31:57

Mean Data: CJ20903-BS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	664314.3	1.07	mg/L	0.003				0.29%
Ag 328.068†	12154.9	0.2443	mg/L	0.00234	0.2443	mg/L	0.00234	0.96%
Al 237.313†	6299.2	2.367	mg/L	0.0139	2.367	mg/L	0.0139	0.59%
As 188.979†	209.7	0.4820	mg/L	0.00659	0.4820	mg/L	0.00659	1.37%
B 182.528†	154.5	0.4888	mg/L	0.01054	0.4888	mg/L	0.01054	2.16%
B 249.677†	830.4	0.4852	mg/L	0.00397	0.4852	mg/L	0.00397	0.82%
Ba 233.527†	8265.9	0.4995	mg/L	0.00241	0.4995	mg/L	0.00241	0.48%
Be 313.107†	46789.0	0.0494	mg/L	0.00017	0.0494	mg/L	0.00017	0.34%
Ca 315.887†	140814.7	4.845	mg/L	0.0239	4.845	mg/L	0.0239	0.49%
Cd 228.802†	2692.8	0.2459	mg/L	0.00109	0.2459	mg/L	0.00109	0.44%
Co 228.616†	6155.0	0.4894	mg/L	0.00145	0.4894	mg/L	0.00145	0.30%
Cr 267.716†	13125.2	0.4968	mg/L	0.00106	0.4968	mg/L	0.00106	0.21%
Cu 324.752†	35640.0	0.4918	mg/L	0.00089	0.4918	mg/L	0.00089	0.18%
Fe 234.349†	2981.2	2.448	mg/L	0.0068	2.448	mg/L	0.0068	0.28%
Fe 238.204†	88891.6	2.471	mg/L	0.0112	2.471	mg/L	0.0112	0.45%
K 766.490†	46066.1	24.29	mg/L	0.168	24.29	mg/L	0.168	0.69%
Li 670.784†	17630.3	0.4996	mg/L	0.00208	0.4996	mg/L	0.00208	0.42%
Mg 279.077†	22056.6	4.815	mg/L	0.0116	4.815	mg/L	0.0116	0.24%
Mn 257.610†	96520.7	0.4996	mg/L	0.00142	0.4996	mg/L	0.00142	0.28%
Mo 202.031†	2188.8	0.4979	mg/L	0.00390	0.4979	mg/L	0.00390	0.78%
Na 589.592†	139750.6	24.39	mg/L	0.206	24.39	mg/L	0.206	0.84%
Ni 231.604†	4997.6	0.4988	mg/L	0.00141	0.4988	mg/L	0.00141	0.28%
P 214.914†	5137.9	4.814	mg/L	0.0169	4.814	mg/L	0.0169	0.35%
Pb 220.353†	1366.9	0.4983	mg/L	0.00623	0.4983	mg/L	0.00623	1.25%
Sb 206.836†	236.5	0.4830	mg/L	0.00343	0.4830	mg/L	0.00343	0.71%
Se 196.026†	652.1	0.9828	mg/L	0.00163	0.9828	mg/L	0.00163	0.17%
Sn 189.927†	575.8	0.5244	mg/L	0.01357	0.5244	mg/L	0.01357	2.59%
Sr 407.771†	43200.1	0.0478	mg/L	0.00046	0.0478	mg/L	0.00046	0.97%

Ti 337.279†	87598.2	0.4708 mg/L	0.00231	0.4708 mg/L	0.00231	0.49%
Tl 190.801†	143.8	0.5098 mg/L	0.00254	0.5098 mg/L	0.00254	0.50%
V 292.402†	23798.3	0.5002 mg/L	0.00018	0.5002 mg/L	0.00018	0.04%
Zn 213.857†	22059.4	0.4981 mg/L	0.00503	0.4981 mg/L	0.00503	1.01%

Sequence No.: 8
Sample ID: CJ20903-BSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 10/9/2012 9:33:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20903-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	866.1	811.0	0.4738	mg/L	0.4738	mg/L	21:35:36
1	Fe 234.349†	3115.2	2899.0	2.380	mg/L	2.380	mg/L	21:35:36
1	K 766.490†	49109.2	45650.1	24.07	mg/L	24.07	mg/L	21:35:26
1	Li 670.784†	18630.9	17507.9	0.4961	mg/L	0.4961	mg/L	21:35:26
1	Na 589.592†	148633.8	139149.8	24.28	mg/L	24.28	mg/L	21:35:26
1	Sr 407.771†	45693.1	42517.2	0.0470	mg/L	0.0470	mg/L	21:35:26
1	Y 371.029	665813.4	665813.4	1.07	mg/L			21:35:53
1	Ag 328.068†	14690.1	12260.4	0.2464	mg/L	0.2464	mg/L	21:35:53
1	Al 237.313†	6730.7	6433.5	2.418	mg/L	2.418	mg/L	21:35:53
1	As 188.979†	231.0	210.1	0.4829	mg/L	0.4829	mg/L	21:36:03
1	B 182.528†	163.6	158.1	0.5001	mg/L	0.5001	mg/L	21:36:03
1	Ba 233.527†	8917.2	8363.4	0.5054	mg/L	0.5054	mg/L	21:35:53
1	Be 313.107†	50435.5	47414.2	0.0501	mg/L	0.0501	mg/L	21:35:53
1	Ca 315.887†	150839.9	141566.1	4.871	mg/L	4.871	mg/L	21:35:53
1	Cd 228.802†	2937.9	2685.4	0.2452	mg/L	0.2452	mg/L	21:36:03
1	Co 228.616†	6657.2	6240.4	0.4962	mg/L	0.4962	mg/L	21:36:03
1	Cr 267.716†	14667.9	13254.5	0.5017	mg/L	0.5017	mg/L	21:35:53
1	Cu 324.752†	40670.7	36052.3	0.4975	mg/L	0.4975	mg/L	21:35:53
1	Fe 238.204†	96405.6	89794.1	2.496	mg/L	2.496	mg/L	21:35:53
1	Mg 279.077†	24026.5	22215.1	4.850	mg/L	4.850	mg/L	21:35:53
1	Mn 257.610†	104586.0	97244.5	0.5033	mg/L	0.5033	mg/L	21:35:53
1	Mo 202.031†	2322.0	2169.7	0.4936	mg/L	0.4936	mg/L	21:36:03
1	Ni 231.604†	5354.7	5001.0	0.4991	mg/L	0.4991	mg/L	21:35:53
1	P 214.914†	5652.8	5091.5	4.770	mg/L	4.770	mg/L	21:36:03
1	Pb 220.353†	1441.2	1359.2	0.4955	mg/L	0.4955	mg/L	21:36:03
1	Sb 206.836†	270.7	232.8	0.4755	mg/L	0.4755	mg/L	21:36:03
1	Se 196.026†	689.7	641.0	0.9661	mg/L	0.9661	mg/L	21:36:03
1	Sn 189.927†	611.7	574.9	0.5233	mg/L	0.5233	mg/L	21:36:03
1	Ti 337.279†	93215.5	87472.5	0.4701	mg/L	0.4701	mg/L	21:35:53
1	Tl 190.801†	157.7	143.4	0.5085	mg/L	0.5085	mg/L	21:36:03
1	V 292.402†	24920.5	24027.2	0.5049	mg/L	0.5049	mg/L	21:35:53
1	Zn 213.857†	24280.5	22085.8	0.4987	mg/L	0.4987	mg/L	21:35:53
2	B 249.677†	879.5	834.3	0.4874	mg/L	0.4874	mg/L	21:35:49
2	Fe 234.349†	3153.8	2973.7	2.442	mg/L	2.442	mg/L	21:35:49
2	K 766.490†	50001.7	47096.7	24.84	mg/L	24.84	mg/L	21:35:39
2	Li 670.784†	18954.8	18042.8	0.5114	mg/L	0.5114	mg/L	21:35:39
2	Na 589.592†	151356.2	143547.8	25.06	mg/L	25.06	mg/L	21:35:39
2	Sr 407.771†	46715.5	44044.4	0.0487	mg/L	0.0487	mg/L	21:35:39
2	Y 371.029	657150.3	657150.3	1.06	mg/L			21:36:05
2	Ag 328.068†	14626.0	12380.4	0.2488	mg/L	0.2488	mg/L	21:36:05
2	Al 237.313†	6655.0	6444.7	2.422	mg/L	2.422	mg/L	21:36:05
2	As 188.979†	220.9	203.4	0.4674	mg/L	0.4674	mg/L	21:36:16
2	B 182.528†	163.4	159.9	0.5059	mg/L	0.5059	mg/L	21:36:16
2	Ba 233.527†	8786.7	8349.8	0.5046	mg/L	0.5046	mg/L	21:36:05
2	Be 313.107†	49442.5	47096.2	0.0498	mg/L	0.0498	mg/L	21:36:05
2	Ca 315.887†	148475.5	141186.7	4.858	mg/L	4.858	mg/L	21:36:05
2	Cd 228.802†	2895.4	2681.4	0.2449	mg/L	0.2449	mg/L	21:36:16
2	Co 228.616†	6555.7	6226.3	0.4951	mg/L	0.4951	mg/L	21:36:16
2	Cr 267.716†	14473.8	13251.4	0.5016	mg/L	0.5016	mg/L	21:36:05
2	Cu 324.752†	40223.8	36130.1	0.4985	mg/L	0.4985	mg/L	21:36:05
2	Fe 238.204†	94903.9	89560.5	2.489	mg/L	2.489	mg/L	21:36:05
2	Mg 279.077†	23753.7	22252.7	4.858	mg/L	4.858	mg/L	21:36:05
2	Mn 257.610†	103200.4	97221.0	0.5032	mg/L	0.5032	mg/L	21:36:05
2	Mo 202.031†	2296.6	2174.3	0.4946	mg/L	0.4946	mg/L	21:36:16
2	Ni 231.604†	5318.4	5032.5	0.5023	mg/L	0.5023	mg/L	21:36:05
2	P 214.914†	5541.0	5055.3	4.736	mg/L	4.736	mg/L	21:36:16
2	Pb 220.353†	1420.9	1357.7	0.4949	mg/L	0.4949	mg/L	21:36:16

2	Sb 206.836†	264.4	230.1	0.4701 mg/L	0.4701 mg/L	21:36:16
2	Se 196.026†	680.7	640.9	0.9660 mg/L	0.9660 mg/L	21:36:16
2	Sn 189.927†	581.5	553.8	0.5046 mg/L	0.5046 mg/L	21:36:16
2	Ti 337.279†	91650.7	87140.1	0.4683 mg/L	0.4683 mg/L	21:36:05
2	Tl 190.801†	146.6	134.8	0.4781 mg/L	0.4781 mg/L	21:36:16
2	V 292.402†	24701.7	24126.8	0.5070 mg/L	0.5070 mg/L	21:36:05
2	Zn 213.857†	24120.8	22233.3	0.5020 mg/L	0.5020 mg/L	21:36:05

Mean Data: CJ20903-BSD1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	661481.9	1.07	mg/L	0.010				0.93%
Ag 328.068†	12320.4	0.2476	mg/L	0.00171	0.2476	mg/L	0.00171	0.69%
Al 237.313†	6439.1	2.420	mg/L	0.0030	2.420	mg/L	0.0030	0.12%
As 188.979†	206.8	0.4751	mg/L	0.01094	0.4751	mg/L	0.01094	2.30%
B 182.528†	159.0	0.5030	mg/L	0.00405	0.5030	mg/L	0.00405	0.81%
B 249.677†	822.6	0.4806	mg/L	0.00965	0.4806	mg/L	0.00965	2.01%
Ba 233.527†	8356.6	0.5050	mg/L	0.00059	0.5050	mg/L	0.00059	0.12%
Be 313.107†	47255.2	0.0499	mg/L	0.00024	0.0499	mg/L	0.00024	0.48%
Ca 315.887†	141376.4	4.865	mg/L	0.0092	4.865	mg/L	0.0092	0.19%
Cd 228.802†	2683.4	0.2450	mg/L	0.00021	0.2450	mg/L	0.00021	0.09%
Co 228.616†	6233.3	0.4956	mg/L	0.00079	0.4956	mg/L	0.00079	0.16%
Cr 267.716†	13253.0	0.5016	mg/L	0.00008	0.5016	mg/L	0.00008	0.02%
Cu 324.752†	36091.2	0.4980	mg/L	0.00075	0.4980	mg/L	0.00075	0.15%
Fe 234.349†	2936.4	2.411	mg/L	0.0437	2.411	mg/L	0.0437	1.81%
Fe 238.204†	89677.3	2.492	mg/L	0.0046	2.492	mg/L	0.0046	0.18%
K 766.490†	46373.4	24.45	mg/L	0.543	24.45	mg/L	0.543	2.22%
Li 670.784†	17775.3	0.5038	mg/L	0.01083	0.5038	mg/L	0.01083	2.15%
Mg 279.077†	22233.9	4.854	mg/L	0.0058	4.854	mg/L	0.0058	0.12%
Mn 257.610†	97232.7	0.5033	mg/L	0.00009	0.5033	mg/L	0.00009	0.02%
Mo 202.031†	2172.0	0.4941	mg/L	0.00073	0.4941	mg/L	0.00073	0.15%
Na 589.592†	141348.8	24.67	mg/L	0.548	24.67	mg/L	0.548	2.22%
Ni 231.604†	5016.8	0.5007	mg/L	0.00223	0.5007	mg/L	0.00223	0.44%
P 214.914†	5073.4	4.753	mg/L	0.0239	4.753	mg/L	0.0239	0.50%
Pb 220.353†	1358.4	0.4952	mg/L	0.00040	0.4952	mg/L	0.00040	0.08%
Sb 206.836†	231.4	0.4728	mg/L	0.00382	0.4728	mg/L	0.00382	0.81%
Se 196.026†	640.9	0.9661	mg/L	0.00009	0.9661	mg/L	0.00009	0.01%
Sn 189.927†	564.3	0.5140	mg/L	0.01323	0.5140	mg/L	0.01323	2.57%
Sr 407.771†	43280.8	0.0479	mg/L	0.00120	0.0479	mg/L	0.00120	2.51%
Ti 337.279†	87306.3	0.4692	mg/L	0.00126	0.4692	mg/L	0.00126	0.27%
Tl 190.801†	139.1	0.4933	mg/L	0.02149	0.4933	mg/L	0.02149	4.36%
V 292.402†	24077.0	0.5060	mg/L	0.00146	0.5060	mg/L	0.00146	0.29%
Zn 213.857†	22159.5	0.5004	mg/L	0.00236	0.5004	mg/L	0.00236	0.47%

Sequence No.: 9

Sample ID: 1210142-03

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 13

Date Collected: 10/9/2012 9:37:53 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210142-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1773.3	1636.0	0.9580	mg/L	0.9580	mg/L	21:39:47
1	Fe 234.349†	64.3	54.1	0.0304	mg/L	0.0304	mg/L	21:39:47
1	K 766.490†	10667.0	9688.8	4.994	mg/L	4.994	mg/L	21:39:37
1	Li 670.784†	-55.9	88.1	-0.0025	mg/L	-0.0025	mg/L	21:39:37
1	Na 589.592†	730494.0	673075.8	118.4	mg/L	118.4	mg/L	21:39:34
1	Sr 407.771†	40677.6	37368.0	0.0413	mg/L	0.0413	mg/L	21:39:37
1	Y 371.029	674233.8	674233.8	1.09	mg/L			21:40:05
1	Ag 328.068†	1400.0	-145.4	-0.0034	mg/L	-0.0034	mg/L	21:40:05
1	Al 237.313†	-34.7	127.0	0.0421	mg/L	0.0421	mg/L	21:40:15
1	As 188.979†	1.8	-3.6	-0.0081	mg/L	-0.0081	mg/L	21:40:15
1	B 182.528†	342.8	321.2	1.013	mg/L	1.013	mg/L	21:40:15
1	Ba 233.527†	129.7	169.9	0.0110	mg/L	0.0110	mg/L	21:40:15
1	Be 313.107†	-238.8	176.6	0.0000	mg/L	0.0000	mg/L	21:40:05
1	Ca 315.887†	206594.3	191137.1	6.570	mg/L	6.570	mg/L	21:40:05
1	Cd 228.802†	50.4	-7.0	-0.0008	mg/L	-0.0008	mg/L	21:40:15
1	Co 228.616†	-29.5	7.1	0.0013	mg/L	0.0013	mg/L	21:40:15
1	Cr 267.716†	441.5	-13.0	-0.0005	mg/L	-0.0005	mg/L	21:40:05

1	Cu	324.752†	9416.3	6806.2	0.0969	mg/L	0.0969	mg/L	21:40:05
1	Fe	238.204†	1663.6	1452.8	0.0406	mg/L	0.0406	mg/L	21:40:15
1	Mg	279.077†	10063.7	9081.4	1.992	mg/L	1.992	mg/L	21:40:05
1	Mn	257.610†	1241.3	888.4	0.0046	mg/L	0.0046	mg/L	21:40:15
1	Mo	202.031†	19.9	23.4	0.0066	mg/L	0.0066	mg/L	21:40:15
1	Ni	231.604†	16.8	24.6	0.0017	mg/L	0.0017	mg/L	21:40:15
1	P	214.914†	1647.9	1338.7	1.248	mg/L	1.248	mg/L	21:40:15
1	Pb	220.353†	-16.5	0.4	0.0005	mg/L	0.0005	mg/L	21:40:15
1	Sb	206.836†	18.1	-2.9	-0.0046	mg/L	-0.0046	mg/L	21:40:15
1	Se	196.026†	-2.3	-4.1	-0.0030	mg/L	-0.0030	mg/L	21:40:15
1	Sn	189.927†	-19.5	-13.4	-0.0115	mg/L	-0.0115	mg/L	21:40:15
1	Ti	337.279†	-476.4	135.2	0.0006	mg/L	0.0006	mg/L	21:40:05
1	Tl	190.801†	1.5	-2.3	-0.0013	mg/L	-0.0013	mg/L	21:40:15
1	V	292.402†	-642.2	204.2	0.0032	mg/L	0.0032	mg/L	21:40:05
1	Zn	213.857†	7099.9	5986.7	0.1355	mg/L	0.1355	mg/L	21:40:15
2	B	249.677†	1770.1	1666.9	0.9761	mg/L	0.9761	mg/L	21:40:01
2	Fe	234.349†	65.9	56.8	0.0326	mg/L	0.0326	mg/L	21:40:01
2	K	766.490†	10620.9	9849.3	5.079	mg/L	5.079	mg/L	21:39:51
2	Li	670.784†	-70.8	73.0	-0.0030	mg/L	-0.0030	mg/L	21:39:51
2	Na	589.592†	731452.5	687936.2	121.0	mg/L	121.0	mg/L	21:39:49
2	Sr	407.771†	40671.8	38139.8	0.0422	mg/L	0.0422	mg/L	21:39:51
2	Y	371.029	660522.4	660522.4	1.06	mg/L			21:40:18
2	Ag	328.068†	1422.3	-97.7	-0.0024	mg/L	-0.0024	mg/L	21:40:18
2	Al	237.313†	-32.6	128.3	0.0426	mg/L	0.0426	mg/L	21:40:28
2	As	188.979†	3.5	-1.9	-0.0043	mg/L	-0.0043	mg/L	21:40:28
2	B	182.528†	340.2	325.2	1.026	mg/L	1.026	mg/L	21:40:28
2	Ba	233.527†	138.1	180.3	0.0116	mg/L	0.0116	mg/L	21:40:28
2	Be	313.107†	-279.2	134.1	0.0000	mg/L	0.0000	mg/L	21:40:18
2	Ca	315.887†	202356.3	191102.6	6.569	mg/L	6.569	mg/L	21:40:18
2	Cd	228.802†	48.0	-8.3	-0.0009	mg/L	-0.0009	mg/L	21:40:28
2	Co	228.616†	-36.2	0.2	0.0008	mg/L	0.0008	mg/L	21:40:28
2	Cr	267.716†	412.9	-31.5	-0.0012	mg/L	-0.0012	mg/L	21:40:18
2	Cu	324.752†	9246.3	6826.4	0.0972	mg/L	0.0972	mg/L	21:40:18
2	Fe	238.204†	1658.5	1479.8	0.0414	mg/L	0.0414	mg/L	21:40:28
2	Mg	279.077†	9969.3	9184.9	2.015	mg/L	2.015	mg/L	21:40:18
2	Mn	257.610†	1233.3	904.6	0.0047	mg/L	0.0047	mg/L	21:40:28
2	Mo	202.031†	29.7	33.0	0.0088	mg/L	0.0088	mg/L	21:40:28
2	Ni	231.604†	24.9	32.5	0.0025	mg/L	0.0025	mg/L	21:40:28
2	P	214.914†	1646.7	1369.2	1.276	mg/L	1.276	mg/L	21:40:28
2	Pb	220.353†	-27.2	-9.9	-0.0033	mg/L	-0.0033	mg/L	21:40:28
2	Sb	206.836†	18.6	-2.1	-0.0030	mg/L	-0.0030	mg/L	21:40:28
2	Se	196.026†	6.2	3.8	0.0089	mg/L	0.0089	mg/L	21:40:28
2	Sn	189.927†	-27.4	-21.2	-0.0185	mg/L	-0.0185	mg/L	21:40:28
2	Ti	337.279†	-415.5	183.2	0.0008	mg/L	0.0008	mg/L	21:40:18
2	Tl	190.801†	0.8	-2.9	-0.0035	mg/L	-0.0035	mg/L	21:40:28
2	V	292.402†	-697.0	140.5	0.0019	mg/L	0.0019	mg/L	21:40:18
2	Zn	213.857†	7059.1	6084.1	0.1377	mg/L	0.1377	mg/L	21:40:28

Mean Data: 1210142-03

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	667378.1	1.08	mg/L	0.016				1.45%
Ag 328.068†	-121.6	-0.0029	mg/L	0.00068	-0.0029	mg/L	0.00068	23.48%
Al 237.313†	127.7	0.0423	mg/L	0.00036	0.0423	mg/L	0.00036	0.84%
As 188.979†	-2.7	-0.0062	mg/L	0.00265	-0.0062	mg/L	0.00265	42.58%
B 182.528†	323.2	1.019	mg/L	0.0090	1.019	mg/L	0.0090	0.89%
B 249.677†	1651.5	0.9670	mg/L	0.01280	0.9670	mg/L	0.01280	1.32%
Ba 233.527†	175.1	0.0113	mg/L	0.00044	0.0113	mg/L	0.00044	3.93%
Be 313.107†	155.4	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	197.60%
Ca 315.887†	191119.9	6.570	mg/L	0.0008	6.570	mg/L	0.0008	0.01%
Cd 228.802†	-7.6	-0.0009	mg/L	0.00010	-0.0009	mg/L	0.00010	10.97%
Co 228.616†	3.7	0.0011	mg/L	0.00038	0.0011	mg/L	0.00038	36.54%
Cr 267.716†	-22.2	-0.0009	mg/L	0.00049	-0.0009	mg/L	0.00049	55.67%
Cu 324.752†	6816.3	0.0970	mg/L	0.00020	0.0970	mg/L	0.00020	0.20%
Fe 234.349†	55.5	0.0315	mg/L	0.00160	0.0315	mg/L	0.00160	5.07%
Fe 238.204†	1466.3	0.0410	mg/L	0.00053	0.0410	mg/L	0.00053	1.29%
K 766.490†	9769.0	5.036	mg/L	0.0602	5.036	mg/L	0.0602	1.20%
Li 670.784†	80.5	-0.0027	mg/L	0.00031	-0.0027	mg/L	0.00031	11.15%
Mg 279.077†	9133.1	2.004	mg/L	0.0159	2.004	mg/L	0.0159	0.79%
Mn 257.610†	896.5	0.0046	mg/L	0.00006	0.0046	mg/L	0.00006	1.28%
Mo 202.031†	28.2	0.0077	mg/L	0.00155	0.0077	mg/L	0.00155	20.14%
Na 589.592†	680506.0	119.7	mg/L	1.85	119.7	mg/L	1.85	1.55%

Ni 231.604†	28.6	0.0021 mg/L	0.00057	0.0021 mg/L	0.00057	27.47%
P 214.914†	1353.9	1.262 mg/L	0.0202	1.262 mg/L	0.0202	1.60%
Pb 220.353†	-4.8	-0.0014 mg/L	0.00266	-0.0014 mg/L	0.00266	191.20%
Sb 206.836†	-2.5	-0.0038 mg/L	0.00116	-0.0038 mg/L	0.00116	30.76%
Se 196.026†	-0.1	0.0029 mg/L	0.00842	0.0029 mg/L	0.00842	288.63%
Sn 189.927†	-17.3	-0.0150 mg/L	0.00496	-0.0150 mg/L	0.00496	33.10%
Sr 407.771†	37753.9	0.0417 mg/L	0.00061	0.0417 mg/L	0.00061	1.45%
Ti 337.279†	159.2	0.0007 mg/L	0.00018	0.0007 mg/L	0.00018	26.84%
Tl 190.801†	-2.6	-0.0024 mg/L	0.00157	-0.0024 mg/L	0.00157	65.14%
V 292.402†	172.3	0.0026 mg/L	0.00093	0.0026 mg/L	0.00093	35.93%
Zn 213.857†	6035.4	0.1366 mg/L	0.00156	0.1366 mg/L	0.00156	1.15%

Sequence No.: 10
Sample ID: CJ20903-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 10/9/2012 9:42:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20903-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1628.2	1517.1	0.8883	mg/L	0.8883	mg/L	21:43:58
1	Fe 234.349†	56.9	47.7	0.0253	mg/L	0.0253	mg/L	21:43:58
1	K 766.490†	9980.9	9147.0	4.706	mg/L	4.706	mg/L	21:43:48
1	Li 670.784†	-115.8	31.9	-0.0041	mg/L	-0.0041	mg/L	21:43:48
1	Na 589.592†	698486.4	649896.2	114.3	mg/L	114.3	mg/L	21:43:46
1	Sr 407.771†	37921.5	35172.1	0.0389	mg/L	0.0389	mg/L	21:43:48
1	Y 371.029	667706.0	667706.0	1.08	mg/L			21:44:16
1	Ag 328.068†	1360.0	-170.0	-0.0039	mg/L	-0.0039	mg/L	21:44:16
1	Al 237.313†	-33.0	128.3	0.0425	mg/L	0.0425	mg/L	21:44:26
1	As 188.979†	2.2	-3.2	-0.0072	mg/L	-0.0072	mg/L	21:44:26
1	B 182.528†	329.9	312.2	0.9849	mg/L	0.9849	mg/L	21:44:26
1	Ba 233.527†	126.2	167.9	0.0109	mg/L	0.0109	mg/L	21:44:26
1	Be 313.107†	-341.3	79.2	-0.0001	mg/L	-0.0001	mg/L	21:44:16
1	Ca 315.887†	198626.7	185589.8	6.380	mg/L	6.380	mg/L	21:44:16
1	Cd 228.802†	54.0	-3.2	-0.0005	mg/L	-0.0005	mg/L	21:44:26
1	Co 228.616†	-44.0	-6.7	0.0002	mg/L	0.0002	mg/L	21:44:26
1	Cr 267.716†	438.4	-11.9	-0.0005	mg/L	-0.0005	mg/L	21:44:16
1	Cu 324.752†	8943.6	6451.6	0.0920	mg/L	0.0920	mg/L	21:44:16
1	Fe 238.204†	1637.5	1443.6	0.0403	mg/L	0.0403	mg/L	21:44:26
1	Mg 279.077†	9718.8	8851.3	1.942	mg/L	1.942	mg/L	21:44:16
1	Mn 257.610†	1030.5	703.6	0.0036	mg/L	0.0036	mg/L	21:44:26
1	Mo 202.031†	23.8	27.2	0.0075	mg/L	0.0075	mg/L	21:44:26
1	Ni 231.604†	23.7	31.1	0.0023	mg/L	0.0023	mg/L	21:44:26
1	P 214.914†	1597.8	1307.0	1.218	mg/L	1.218	mg/L	21:44:26
1	Pb 220.353†	0.3	15.9	0.0062	mg/L	0.0062	mg/L	21:44:26
1	Sb 206.836†	20.5	-0.5	0.0003	mg/L	0.0003	mg/L	21:44:26
1	Se 196.026†	0.8	-1.3	0.0012	mg/L	0.0012	mg/L	21:44:26
1	Sn 189.927†	-32.5	-25.6	-0.0225	mg/L	-0.0225	mg/L	21:44:26
1	Ti 337.279†	-407.0	195.4	0.0009	mg/L	0.0009	mg/L	21:44:16
1	Tl 190.801†	-0.3	-3.9	-0.0070	mg/L	-0.0070	mg/L	21:44:26
1	V 292.402†	-729.3	117.5	0.0014	mg/L	0.0014	mg/L	21:44:16
1	Zn 213.857†	6937.0	5899.2	0.1335	mg/L	0.1335	mg/L	21:44:26
2	B 249.677†	1628.1	1499.9	0.8782	mg/L	0.8782	mg/L	21:44:12
2	Fe 234.349†	54.1	44.6	0.0226	mg/L	0.0226	mg/L	21:44:12
2	K 766.490†	9936.6	9001.5	4.629	mg/L	4.629	mg/L	21:44:02
2	Li 670.784†	-107.8	40.4	-0.0039	mg/L	-0.0039	mg/L	21:44:02
2	Na 589.592†	698905.5	642949.7	113.1	mg/L	113.1	mg/L	21:44:00
2	Sr 407.771†	37411.9	34305.6	0.0379	mg/L	0.0379	mg/L	21:44:02
2	Y 371.029	675331.5	675331.5	1.09	mg/L			21:44:29
2	Ag 328.068†	1373.3	-172.0	-0.0039	mg/L	-0.0039	mg/L	21:44:29
2	Al 237.313†	-11.0	148.8	0.0502	mg/L	0.0502	mg/L	21:44:39
2	As 188.979†	0.2	-5.0	-0.0115	mg/L	-0.0115	mg/L	21:44:39
2	B 182.528†	330.4	309.2	0.9754	mg/L	0.9754	mg/L	21:44:39
2	Ba 233.527†	114.7	156.0	0.0101	mg/L	0.0101	mg/L	21:44:39
2	Be 313.107†	-376.8	50.1	-0.0001	mg/L	-0.0001	mg/L	21:44:29
2	Ca 315.887†	203219.6	187726.2	6.453	mg/L	6.453	mg/L	21:44:29
2	Cd 228.802†	54.8	-3.0	-0.0004	mg/L	-0.0004	mg/L	21:44:39
2	Co 228.616†	-28.1	8.4	0.0014	mg/L	0.0014	mg/L	21:44:39
2	Cr 267.716†	415.5	-37.6	-0.0015	mg/L	-0.0015	mg/L	21:44:29
2	Cu 324.752†	9136.1	6534.6	0.0932	mg/L	0.0932	mg/L	21:44:29

2	Fe	238.204†	1647.5	1435.6	0.0401 mg/L	0.0401 mg/L	21:44:39
2	Mg	279.077†	9930.0	8943.4	1.962 mg/L	1.962 mg/L	21:44:29
2	Mn	257.610†	1026.6	689.2	0.0035 mg/L	0.0035 mg/L	21:44:39
2	Mo	202.031†	30.2	32.8	0.0088 mg/L	0.0088 mg/L	21:44:39
2	Ni	231.604†	15.0	22.9	0.0015 mg/L	0.0015 mg/L	21:44:39
2	P	214.914†	1588.6	1281.7	1.194 mg/L	1.194 mg/L	21:44:39
2	Pb	220.353†	-46.7	-27.3	-0.0096 mg/L	-0.0096 mg/L	21:44:39
2	Sb	206.836†	24.3	2.8	0.0071 mg/L	0.0071 mg/L	21:44:39
2	Se	196.026†	-2.5	-4.4	-0.0034 mg/L	-0.0034 mg/L	21:44:39
2	Sn	189.927†	-25.7	-19.0	-0.0166 mg/L	-0.0166 mg/L	21:44:39
2	Ti	337.279†	-497.5	116.5	0.0005 mg/L	0.0005 mg/L	21:44:29
2	Tl	190.801†	0.8	-2.9	-0.0035 mg/L	-0.0035 mg/L	21:44:39
2	V	292.402†	-688.9	162.3	0.0024 mg/L	0.0024 mg/L	21:44:29
2	Zn	213.857†	6946.3	5834.9	0.1320 mg/L	0.1320 mg/L	21:44:39

Mean Data: CJ20903-DUP1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	671518.8	1.08 mg/L	0.009			0.80%
Ag 328.068†	-171.0	-0.0039 mg/L	0.00003	-0.0039 mg/L	0.00003	0.73%
Al 237.313†	138.5	0.0464 mg/L	0.00545	0.0464 mg/L	0.00545	11.75%
As 188.979†	-4.1	-0.0094 mg/L	0.00304	-0.0094 mg/L	0.00304	32.43%
B 182.528†	310.7	0.9801 mg/L	0.00669	0.9801 mg/L	0.00669	0.68%
B 249.677†	1508.5	0.8832 mg/L	0.00710	0.8832 mg/L	0.00710	0.80%
Ba 233.527†	161.9	0.0105 mg/L	0.00051	0.0105 mg/L	0.00051	4.85%
Be 313.107†	64.6	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	27.31%
Ca 315.887†	186658.0	6.416 mg/L	0.0519	6.416 mg/L	0.0519	0.81%
Cd 228.802†	-3.1	-0.0004 mg/L	0.00003	-0.0004 mg/L	0.00003	6.07%
Co 228.616†	0.9	0.0008 mg/L	0.00085	0.0008 mg/L	0.00085	102.17%
Cr 267.716†	-24.8	-0.0010 mg/L	0.00069	-0.0010 mg/L	0.00069	70.08%
Cu 324.752†	6493.1	0.0926 mg/L	0.00080	0.0926 mg/L	0.00080	0.87%
Fe 234.349†	46.2	0.0239 mg/L	0.00187	0.0239 mg/L	0.00187	7.79%
Fe 238.204†	1439.6	0.0402 mg/L	0.00016	0.0402 mg/L	0.00016	0.39%
K 766.490†	9074.3	4.668 mg/L	0.0546	4.668 mg/L	0.0546	1.17%
Li 670.784†	36.2	-0.0040 mg/L	0.00017	-0.0040 mg/L	0.00017	4.28%
Mg 279.077†	8897.3	1.952 mg/L	0.0142	1.952 mg/L	0.0142	0.73%
Mn 257.610†	696.4	0.0036 mg/L	0.00005	0.0036 mg/L	0.00005	1.47%
Mo 202.031†	30.0	0.0081 mg/L	0.00091	0.0081 mg/L	0.00091	11.16%
Na 589.592†	646423.0	113.7 mg/L	0.87	113.7 mg/L	0.87	0.76%
Ni 231.604†	27.0	0.0019 mg/L	0.00058	0.0019 mg/L	0.00058	30.49%
P 214.914†	1294.4	1.206 mg/L	0.0168	1.206 mg/L	0.0168	1.39%
Pb 220.353†	-5.7	-0.0017 mg/L	0.01114	-0.0017 mg/L	0.01114	645.04%
Sb 206.836†	1.1	0.0037 mg/L	0.00480	0.0037 mg/L	0.00480	129.85%
Se 196.026†	-2.8	-0.0011 mg/L	0.00326	-0.0011 mg/L	0.00326	299.01%
Sn 189.927†	-22.3	-0.0195 mg/L	0.00417	-0.0195 mg/L	0.00417	21.38%
Sr 407.771†	34738.8	0.0384 mg/L	0.00068	0.0384 mg/L	0.00068	1.77%
Ti 337.279†	155.9	0.0007 mg/L	0.00030	0.0007 mg/L	0.00030	45.24%
Tl 190.801†	-3.4	-0.0052 mg/L	0.00251	-0.0052 mg/L	0.00251	48.00%
V 292.402†	139.9	0.0019 mg/L	0.00066	0.0019 mg/L	0.00066	34.53%
Zn 213.857†	5867.1	0.1327 mg/L	0.00103	0.1327 mg/L	0.00103	0.78%

Sequence No.: 11
Sample ID: CJ20903-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 10/9/2012 9:46:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20903-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	2549.7	2358.5	1.380 mg/L	1.380 mg/L	21:48:07
1	Fe 234.349†	2976.8	2744.3	2.246 mg/L	2.246 mg/L	21:48:07
1	K 766.490†	57479.2	52958.4	27.95 mg/L	27.95 mg/L	21:47:57
1	Li 670.784†	17765.4	16548.2	0.4686 mg/L	0.4686 mg/L	21:47:57
1	Na 589.592†	847149.5	783041.8	137.8 mg/L	137.8 mg/L	21:47:57
1	Sr 407.771†	82676.2	76282.7	0.0845 mg/L	0.0845 mg/L	21:47:57
1	Y 371.029	672015.9	672015.9	1.08 mg/L		21:48:24
1	Ag 328.068†	14919.2	12345.6	0.2481 mg/L	0.2481 mg/L	21:48:24
1	Al 237.313†	6855.8	6491.2	2.440 mg/L	2.440 mg/L	21:48:24
1	As 188.979†	227.1	204.6	0.4700 mg/L	0.4700 mg/L	21:48:34

1	B	182.528†	495.1	462.9	1.459 mg/L	1.459 mg/L	21:48:34
1	Ba	233.527†	9176.7	8526.4	0.5153 mg/L	0.5153 mg/L	21:48:24
1	Be	313.107†	49243.8	45879.6	0.0485 mg/L	0.0485 mg/L	21:48:24
1	Ca	315.887†	360935.1	334318.7	11.49 mg/L	11.49 mg/L	21:48:24
1	Cd	228.802†	3024.3	2740.0	0.2503 mg/L	0.2503 mg/L	21:48:34
1	Co	228.616†	6672.8	6197.5	0.4928 mg/L	0.4928 mg/L	21:48:24
1	Cr	267.716†	14685.4	13144.4	0.4975 mg/L	0.4975 mg/L	21:48:24
1	Cu	324.752†	50039.3	44355.5	0.6111 mg/L	0.6111 mg/L	21:48:24
1	Fe	238.204†	97347.5	89834.6	2.497 mg/L	2.497 mg/L	21:48:24
1	Mg	279.077†	34612.9	31786.3	6.931 mg/L	6.931 mg/L	21:48:24
1	Mn	257.610†	105296.4	97000.7	0.5021 mg/L	0.5021 mg/L	21:48:24
1	Mo	202.031†	2404.7	2226.2	0.5064 mg/L	0.5064 mg/L	21:48:34
1	Ni	231.604†	5394.8	4991.9	0.4982 mg/L	0.4982 mg/L	21:48:24
1	P	214.914†	7060.1	6342.7	5.943 mg/L	5.943 mg/L	21:48:34
1	Pb	220.353†	1491.7	1393.4	0.5077 mg/L	0.5077 mg/L	21:48:34
1	Sb	206.836†	274.0	233.5	0.4771 mg/L	0.4771 mg/L	21:48:34
1	Se	196.026†	697.6	642.3	0.9680 mg/L	0.9680 mg/L	21:48:34
1	Sn	189.927†	628.8	585.3	0.5323 mg/L	0.5323 mg/L	21:48:34
1	Ti	337.279†	97886.9	90985.1	0.4890 mg/L	0.4890 mg/L	21:48:24
1	Tl	190.801†	161.4	145.4	0.5155 mg/L	0.5155 mg/L	21:48:34
1	V	292.402†	25058.5	23940.2	0.5032 mg/L	0.5032 mg/L	21:48:24
1	Zn	213.857†	30819.0	27916.0	0.6313 mg/L	0.6313 mg/L	21:48:24
2	B	249.677†	2594.7	2415.5	1.414 mg/L	1.414 mg/L	21:48:20
2	Fe	234.349†	3021.7	2803.7	2.295 mg/L	2.295 mg/L	21:48:20
2	K	766.490†	57973.7	53758.8	28.37 mg/L	28.37 mg/L	21:48:10
2	Li	670.784†	18125.4	16988.2	0.4812 mg/L	0.4812 mg/L	21:48:10
2	Na	589.592†	854887.7	795256.4	139.9 mg/L	139.9 mg/L	21:48:10
2	Sr	407.771†	83450.0	77492.1	0.0859 mg/L	0.0859 mg/L	21:48:10
2	Y	371.029	667730.7	667730.7	1.08 mg/L		21:48:37
2	Ag	328.068†	14842.7	12362.9	0.2485 mg/L	0.2485 mg/L	21:48:37
2	Al	237.313†	6833.6	6511.1	2.447 mg/L	2.447 mg/L	21:48:37
2	As	188.979†	221.2	200.4	0.4606 mg/L	0.4606 mg/L	21:48:47
2	B	182.528†	504.1	474.2	1.494 mg/L	1.494 mg/L	21:48:47
2	Ba	233.527†	9152.6	8558.4	0.5172 mg/L	0.5172 mg/L	21:48:37
2	Be	313.107†	49048.7	45990.1	0.0486 mg/L	0.0486 mg/L	21:48:37
2	Ca	315.887†	358322.4	334029.5	11.48 mg/L	11.48 mg/L	21:48:37
2	Cd	228.802†	3033.9	2766.8	0.2528 mg/L	0.2528 mg/L	21:48:47
2	Co	228.616†	6624.2	6191.8	0.4923 mg/L	0.4923 mg/L	21:48:37
2	Cr	267.716†	14619.8	13170.5	0.4985 mg/L	0.4985 mg/L	21:48:37
2	Cu	324.752†	50003.9	44619.2	0.6147 mg/L	0.6147 mg/L	21:48:37
2	Fe	238.204†	96688.6	89799.1	2.496 mg/L	2.496 mg/L	21:48:37
2	Mg	279.077†	34361.2	31757.5	6.925 mg/L	6.925 mg/L	21:48:37
2	Mn	257.610†	104522.7	96905.7	0.5016 mg/L	0.5016 mg/L	21:48:37
2	Mo	202.031†	2399.0	2235.1	0.5084 mg/L	0.5084 mg/L	21:48:47
2	Ni	231.604†	5384.2	5014.1	0.5004 mg/L	0.5004 mg/L	21:48:37
2	P	214.914†	7028.0	6354.7	5.955 mg/L	5.955 mg/L	21:48:47
2	Pb	220.353†	1481.4	1392.6	0.5075 mg/L	0.5075 mg/L	21:48:47
2	Sb	206.836†	269.5	230.9	0.4718 mg/L	0.4718 mg/L	21:48:47
2	Se	196.026†	703.8	652.2	0.9829 mg/L	0.9829 mg/L	21:48:47
2	Sn	189.927†	598.6	561.0	0.5106 mg/L	0.5106 mg/L	21:48:47
2	Ti	337.279†	97447.3	91156.6	0.4899 mg/L	0.4899 mg/L	21:48:37
2	Tl	190.801†	169.0	153.4	0.5439 mg/L	0.5439 mg/L	21:48:47
2	V	292.402†	25005.7	24039.7	0.5053 mg/L	0.5053 mg/L	21:48:37
2	Zn	213.857†	30685.6	27974.7	0.6326 mg/L	0.6326 mg/L	21:48:37

Mean Data: CJ20903-MS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	669873.3	1.08	mg/L	0.005				0.45%
Ag 328.068†	12354.2	0.2483	mg/L	0.00025	0.2483	mg/L	0.00025	0.10%
Al 237.313†	6501.2	2.443	mg/L	0.0053	2.443	mg/L	0.0053	0.22%
As 188.979†	202.5	0.4653	mg/L	0.00669	0.4653	mg/L	0.00669	1.44%
B 182.528†	468.5	1.477	mg/L	0.0252	1.477	mg/L	0.0252	1.71%
B 249.677†	2387.0	1.397	mg/L	0.0236	1.397	mg/L	0.0236	1.69%
Ba 233.527†	8542.4	0.5162	mg/L	0.00136	0.5162	mg/L	0.00136	0.26%
Be 313.107†	45934.9	0.0485	mg/L	0.00008	0.0485	mg/L	0.00008	0.17%
Ca 315.887†	334174.1	11.48	mg/L	0.007	11.48	mg/L	0.007	0.06%
Cd 228.802†	2753.4	0.2515	mg/L	0.00178	0.2515	mg/L	0.00178	0.71%
Co 228.616†	6194.6	0.4925	mg/L	0.00032	0.4925	mg/L	0.00032	0.06%
Cr 267.716†	13157.5	0.4980	mg/L	0.00070	0.4980	mg/L	0.00070	0.14%
Cu 324.752†	44487.4	0.6129	mg/L	0.00255	0.6129	mg/L	0.00255	0.42%
Fe 234.349†	2774.0	2.271	mg/L	0.0348	2.271	mg/L	0.0348	1.53%

Fe 238.204†	89816.8	2.496 mg/L	0.0007	2.496 mg/L	0.0007	0.03%
K 766.490†	53358.6	28.16 mg/L	0.300	28.16 mg/L	0.300	1.07%
Li 670.784†	16768.2	0.4749 mg/L	0.00891	0.4749 mg/L	0.00891	1.87%
Mg 279.077†	31771.9	6.928 mg/L	0.0044	6.928 mg/L	0.0044	0.06%
Mn 257.610†	96953.2	0.5018 mg/L	0.00035	0.5018 mg/L	0.00035	0.07%
Mo 202.031†	2230.6	0.5074 mg/L	0.00142	0.5074 mg/L	0.00142	0.28%
Na 589.592†	789149.1	138.8 mg/L	1.52	138.8 mg/L	1.52	1.10%
Ni 231.604†	5003.0	0.4993 mg/L	0.00157	0.4993 mg/L	0.00157	0.31%
P 214.914†	6348.7	5.949 mg/L	0.0080	5.949 mg/L	0.0080	0.13%
Pb 220.353†	1393.0	0.5076 mg/L	0.00019	0.5076 mg/L	0.00019	0.04%
Sb 206.836†	232.2	0.4745 mg/L	0.00379	0.4745 mg/L	0.00379	0.80%
Se 196.026†	647.2	0.9755 mg/L	0.01050	0.9755 mg/L	0.01050	1.08%
Sn 189.927†	573.1	0.5215 mg/L	0.01535	0.5215 mg/L	0.01535	2.94%
Sr 407.771†	76887.4	0.0852 mg/L	0.00095	0.0852 mg/L	0.00095	1.11%
Ti 337.279†	91070.9	0.4894 mg/L	0.00065	0.4894 mg/L	0.00065	0.13%
Tl 190.801†	149.4	0.5297 mg/L	0.02003	0.5297 mg/L	0.02003	3.78%
V 292.402†	23990.0	0.5042 mg/L	0.00147	0.5042 mg/L	0.00147	0.29%
Zn 213.857†	27945.3	0.6319 mg/L	0.00093	0.6319 mg/L	0.00093	0.15%

Sequence No.: 12
Sample ID: CJ20903-SD1 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 10/9/2012 9:50:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20903-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	370.5	351.8	0.2057 mg/L	0.2057 mg/L	21:52:19
1	Fe 234.349†	20.7	14.4	0.0022 mg/L	0.0022 mg/L	21:52:19
1	K 766.490†	2390.3	2115.1	0.9761 mg/L	0.9761 mg/L	21:52:09
1	Li 670.784†	-99.6	45.9	-0.0037 mg/L	-0.0037 mg/L	21:52:09
1	Na 589.592†	153334.5	144681.9	25.25 mg/L	25.25 mg/L	21:52:09
1	Sr 407.771†	8482.1	7891.4	0.0086 mg/L	0.0086 mg/L	21:52:09
1	Y 371.029	660500.1	660500.1	1.06 mg/L		21:52:36
1	Ag 328.068†	1454.1	-67.7	-0.0018 mg/L	-0.0018 mg/L	21:52:36
1	Al 237.313†	-117.2	48.8	0.0126 mg/L	0.0126 mg/L	21:52:46
1	As 188.979†	1.8	-3.5	-0.0080 mg/L	-0.0080 mg/L	21:52:46
1	B 182.528†	66.4	68.0	0.2168 mg/L	0.2168 mg/L	21:52:46
1	Ba 233.527†	-2.7	48.0	0.0036 mg/L	0.0036 mg/L	21:52:46
1	Be 313.107†	-252.6	159.1	0.0000 mg/L	0.0000 mg/L	21:52:36
1	Ca 315.887†	41013.7	39489.8	1.364 mg/L	1.364 mg/L	21:52:36
1	Cd 228.802†	55.8	-1.0	-0.0002 mg/L	-0.0002 mg/L	21:52:46
1	Co 228.616†	-22.9	12.7	0.0018 mg/L	0.0018 mg/L	21:52:46
1	Cr 267.716†	373.6	-68.4	-0.0026 mg/L	-0.0026 mg/L	21:52:36
1	Cu 324.752†	3280.7	1220.6	0.0204 mg/L	0.0204 mg/L	21:52:36
1	Fe 238.204†	711.0	589.5	0.0166 mg/L	0.0166 mg/L	21:52:46
1	Mg 279.077†	2160.7	1847.3	0.4194 mg/L	0.4194 mg/L	21:52:36
1	Mn 257.610†	1671.7	1316.6	0.0068 mg/L	0.0068 mg/L	21:52:46
1	Mo 202.031†	21.0	24.8	0.0070 mg/L	0.0070 mg/L	21:52:46
1	Ni 231.604†	14.0	22.3	0.0014 mg/L	0.0014 mg/L	21:52:46
1	P 214.914†	497.1	288.9	0.2624 mg/L	0.2624 mg/L	21:52:46
1	Pb 220.353†	-17.6	-0.9	0.0002 mg/L	0.0002 mg/L	21:52:46
1	Sb 206.836†	19.8	-1.0	-0.0006 mg/L	-0.0006 mg/L	21:52:46
1	Se 196.026†	-0.8	-2.8	-0.0010 mg/L	-0.0010 mg/L	21:52:46
1	Sn 189.927†	-9.4	-4.3	-0.0034 mg/L	-0.0034 mg/L	21:52:46
1	Ti 337.279†	-442.9	157.5	0.0007 mg/L	0.0007 mg/L	21:52:36
1	Tl 190.801†	3.9	0.0	0.0070 mg/L	0.0070 mg/L	21:52:46
1	V 292.402†	-635.6	198.1	0.0031 mg/L	0.0031 mg/L	21:52:36
1	Zn 213.857†	2790.0	2072.4	0.0464 mg/L	0.0464 mg/L	21:52:46
2	B 249.677†	367.7	352.6	0.2061 mg/L	0.2061 mg/L	21:52:32
2	Fe 234.349†	21.3	15.1	0.0027 mg/L	0.0027 mg/L	21:52:32
2	K 766.490†	2335.9	2086.0	0.9607 mg/L	0.9607 mg/L	21:52:22
2	Li 670.784†	-46.5	95.4	-0.0023 mg/L	-0.0023 mg/L	21:52:22
2	Na 589.592†	151455.5	144346.9	25.20 mg/L	25.20 mg/L	21:52:22
2	Sr 407.771†	8365.0	7860.4	0.0085 mg/L	0.0085 mg/L	21:52:22
2	Y 371.029	653926.6	653926.6	1.05 mg/L		21:52:48
2	Ag 328.068†	1452.7	-55.4	-0.0016 mg/L	-0.0016 mg/L	21:52:48
2	Al 237.313†	-105.8	58.5	0.0163 mg/L	0.0163 mg/L	21:52:58
2	As 188.979†	6.4	0.8	0.0020 mg/L	0.0020 mg/L	21:52:58
2	B 182.528†	66.5	68.7	0.2189 mg/L	0.2189 mg/L	21:52:58

2	Ba 233.527†	-6.6	44.2	0.0034	mg/L	0.0034	mg/L	21:52:58
2	Be 313.107†	-272.3	138.0	0.0000	mg/L	0.0000	mg/L	21:52:48
2	Ca 315.887†	40562.2	39448.7	1.363	mg/L	1.363	mg/L	21:52:48
2	Cd 228.802†	56.7	0.4	-0.0002	mg/L	-0.0002	mg/L	21:52:58
2	Co 228.616†	-41.8	-5.4	0.0003	mg/L	0.0003	mg/L	21:52:58
2	Cr 267.716†	447.4	5.3	0.0002	mg/L	0.0002	mg/L	21:52:48
2	Cu 324.752†	3215.1	1189.3	0.0200	mg/L	0.0200	mg/L	21:52:48
2	Fe 238.204†	735.2	619.2	0.0174	mg/L	0.0174	mg/L	21:52:58
2	Mg 279.077†	2143.4	1851.2	0.4203	mg/L	0.4203	mg/L	21:52:48
2	Mn 257.610†	1636.8	1299.3	0.0067	mg/L	0.0067	mg/L	21:52:58
2	Mo 202.031†	-1.8	3.4	0.0021	mg/L	0.0021	mg/L	21:52:58
2	Ni 231.604†	-1.8	7.4	-0.0001	mg/L	-0.0001	mg/L	21:52:58
2	P 214.914†	485.1	282.1	0.2561	mg/L	0.2561	mg/L	21:52:58
2	Pb 220.353†	-10.0	6.1	0.0027	mg/L	0.0027	mg/L	21:52:58
2	Sb 206.836†	23.7	2.9	0.0074	mg/L	0.0074	mg/L	21:52:58
2	Se 196.026†	3.4	1.2	0.0049	mg/L	0.0049	mg/L	21:52:58
2	Sn 189.927†	-7.2	-2.3	-0.0016	mg/L	-0.0016	mg/L	21:52:58
2	Ti 337.279†	-495.7	103.2	0.0004	mg/L	0.0004	mg/L	21:52:48
2	Tl 190.801†	4.9	1.0	0.0105	mg/L	0.0105	mg/L	21:52:58
2	V 292.402†	-711.5	120.1	0.0015	mg/L	0.0015	mg/L	21:52:48
2	Zn 213.857†	2777.3	2086.8	0.0468	mg/L	0.0468	mg/L	21:52:58

Mean Data: CJ20903-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	657213.4	1.06	mg/L	0.007			0.71%
Ag 328.068†	-61.6	-0.0017	mg/L	0.00018	-0.0017	mg/L	0.00018 10.38%
Al 237.313†	53.6	0.0145	mg/L	0.00261	0.0145	mg/L	0.00261 18.03%
As 188.979†	-1.3	-0.0030	mg/L	0.00701	-0.0030	mg/L	0.00701 233.72%
B 182.528†	68.3	0.2178	mg/L	0.00149	0.2178	mg/L	0.00149 0.68%
B 249.677†	352.2	0.2059	mg/L	0.00032	0.2059	mg/L	0.00032 0.16%
Ba 233.527†	46.1	0.0035	mg/L	0.00016	0.0035	mg/L	0.00016 4.55%
Be 313.107†	148.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002 175.73%
Ca 315.887†	39469.2	1.364	mg/L	0.0010	1.364	mg/L	0.0010 0.07%
Cd 228.802†	-0.3	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006 28.91%
Co 228.616†	3.6	0.0010	mg/L	0.00102	0.0010	mg/L	0.00102 97.40%
Cr 267.716†	-31.6	-0.0012	mg/L	0.00197	-0.0012	mg/L	0.00197 158.55%
Cu 324.752†	1205.0	0.0202	mg/L	0.00030	0.0202	mg/L	0.00030 1.50%
Fe 234.349†	14.7	0.0024	mg/L	0.00042	0.0024	mg/L	0.00042 17.05%
Fe 238.204†	604.4	0.0170	mg/L	0.00058	0.0170	mg/L	0.00058 3.41%
K 766.490†	2100.6	0.9684	mg/L	0.01090	0.9684	mg/L	0.01090 1.13%
Li 670.784†	70.6	-0.0030	mg/L	0.00100	-0.0030	mg/L	0.00100 33.07%
Mg 279.077†	1849.2	0.4198	mg/L	0.00061	0.4198	mg/L	0.00061 0.15%
Mn 257.610†	1308.0	0.0067	mg/L	0.00006	0.0067	mg/L	0.00006 0.95%
Mo 202.031†	14.1	0.0045	mg/L	0.00345	0.0045	mg/L	0.00345 75.77%
Na 589.592†	144514.4	25.23	mg/L	0.042	25.23	mg/L	0.042 0.17%
Ni 231.604†	14.9	0.0007	mg/L	0.00106	0.0007	mg/L	0.00106 153.67%
P 214.914†	285.5	0.2593	mg/L	0.00445	0.2593	mg/L	0.00445 1.72%
Pb 220.353†	2.6	0.0015	mg/L	0.00181	0.0015	mg/L	0.00181 124.57%
Sb 206.836†	1.0	0.0034	mg/L	0.00562	0.0034	mg/L	0.00562 166.06%
Se 196.026†	-0.8	0.0019	mg/L	0.00423	0.0019	mg/L	0.00423 216.95%
Sn 189.927†	-3.3	-0.0025	mg/L	0.00126	-0.0025	mg/L	0.00126 50.99%
Sr 407.771†	7875.9	0.0086	mg/L	0.00002	0.0086	mg/L	0.00002 0.28%
Ti 337.279†	130.4	0.0005	mg/L	0.00021	0.0005	mg/L	0.00021 39.31%
Tl 190.801†	0.5	0.0087	mg/L	0.00247	0.0087	mg/L	0.00247 28.21%
V 292.402†	159.1	0.0023	mg/L	0.00116	0.0023	mg/L	0.00116 50.66%
Zn 213.857†	2079.6	0.0466	mg/L	0.00024	0.0466	mg/L	0.00024 0.51%

Sequence No.: 13

Sample ID: CJ20903-PDS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 17

Date Collected: 10/9/2012 9:54:37 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20903-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	2604.8	2422.3	1.418 mg/L	1.418 mg/L	21:56:28
1	Fe 234.349†	3020.4	2799.6	2.292 mg/L	2.292 mg/L	21:56:28
1	K 766.490†	58187.6	53900.6	28.45 mg/L	28.45 mg/L	21:56:18

1	Li 670.784†	18013.2	16866.2	0.4777 mg/L	0.4777 mg/L	21:56:18
1	Na 589.592†	872341.3	810625.6	142.6 mg/L	142.6 mg/L	21:56:18
1	Sr 407.771†	85145.7	78984.9	0.0875 mg/L	0.0875 mg/L	21:56:18
1	Y 371.029	668435.4	668435.4	1.08 mg/L		21:56:45
1	Ag 328.068†	14811.1	12319.0	0.2476 mg/L	0.2476 mg/L	21:56:45
1	Al 237.313†	6906.8	6572.4	2.470 mg/L	2.470 mg/L	21:56:45
1	As 188.979†	222.4	201.3	0.4626 mg/L	0.4626 mg/L	21:56:56
1	B 182.528†	505.9	475.3	1.498 mg/L	1.498 mg/L	21:56:56
1	Ba 233.527†	9169.0	8564.6	0.5176 mg/L	0.5176 mg/L	21:56:45
1	Be 313.107†	49190.2	46073.4	0.0487 mg/L	0.0487 mg/L	21:56:45
1	Ca 315.887†	364120.9	339062.7	11.65 mg/L	11.65 mg/L	21:56:45
1	Cd 228.802†	2969.2	2703.7	0.2470 mg/L	0.2470 mg/L	21:56:56
1	Co 228.616†	6636.8	6197.0	0.4927 mg/L	0.4927 mg/L	21:56:56
1	Cr 267.716†	14730.1	13258.6	0.5019 mg/L	0.5019 mg/L	21:56:45
1	Cu 324.752†	50082.4	44643.1	0.6150 mg/L	0.6150 mg/L	21:56:45
1	Fe 238.204†	97212.4	90190.7	2.507 mg/L	2.507 mg/L	21:56:45
1	Mg 279.077†	34593.7	31939.7	6.964 mg/L	6.964 mg/L	21:56:45
1	Mn 257.610†	105713.9	97909.4	0.5068 mg/L	0.5068 mg/L	21:56:45
1	Mo 202.031†	2351.7	2188.8	0.4978 mg/L	0.4978 mg/L	21:56:56
1	Ni 231.604†	5399.4	5022.9	0.5013 mg/L	0.5013 mg/L	21:56:45
1	P 214.914†	6970.5	6294.3	5.898 mg/L	5.898 mg/L	21:56:56
1	Pb 220.353†	1464.7	1375.7	0.5013 mg/L	0.5013 mg/L	21:56:56
1	Sb 206.836†	274.4	235.2	0.4806 mg/L	0.4806 mg/L	21:56:56
1	Se 196.026†	684.6	633.6	0.9551 mg/L	0.9551 mg/L	21:56:56
1	Sn 189.927†	594.5	556.6	0.5067 mg/L	0.5067 mg/L	21:56:56
1	Ti 337.279†	100220.4	93636.2	0.5032 mg/L	0.5032 mg/L	21:56:45
1	Tl 190.801†	160.6	145.5	0.5159 mg/L	0.5159 mg/L	21:56:56
1	V 292.402†	24992.5	24003.0	0.5045 mg/L	0.5045 mg/L	21:56:45
1	Zn 213.857†	30838.5	28086.5	0.6351 mg/L	0.6351 mg/L	21:56:45
2	B 249.677†	2590.2	2346.7	1.373 mg/L	1.373 mg/L	21:56:41
2	Fe 234.349†	2981.2	2691.7	2.203 mg/L	2.203 mg/L	21:56:41
2	K 766.490†	59107.3	53338.1	28.15 mg/L	28.15 mg/L	21:56:31
2	Li 670.784†	18143.6	16552.4	0.4688 mg/L	0.4688 mg/L	21:56:31
2	Na 589.592†	884416.5	800642.8	140.9 mg/L	140.9 mg/L	21:56:31
2	Sr 407.771†	86662.3	78316.3	0.0868 mg/L	0.0868 mg/L	21:56:31
2	Y 371.029	686144.1	686144.1	1.11 mg/L		21:56:58
2	Ag 328.068†	14527.4	11707.5	0.2353 mg/L	0.2353 mg/L	21:56:58
2	Al 237.313†	6821.1	6329.3	2.379 mg/L	2.379 mg/L	21:56:58
2	As 188.979†	222.9	196.4	0.4513 mg/L	0.4513 mg/L	21:57:08
2	B 182.528†	491.6	450.3	1.419 mg/L	1.419 mg/L	21:57:08
2	Ba 233.527†	8926.6	8125.7	0.4911 mg/L	0.4911 mg/L	21:56:58
2	Be 313.107†	47959.1	43780.8	0.0463 mg/L	0.0463 mg/L	21:56:58
2	Ca 315.887†	355819.5	322826.8	11.09 mg/L	11.09 mg/L	21:56:58
2	Cd 228.802†	2966.1	2629.8	0.2402 mg/L	0.2402 mg/L	21:57:08
2	Co 228.616†	6643.4	6044.0	0.4806 mg/L	0.4806 mg/L	21:57:08
2	Cr 267.716†	14447.1	12649.6	0.4788 mg/L	0.4788 mg/L	21:56:58
2	Cu 324.752†	49108.4	42561.7	0.5865 mg/L	0.5865 mg/L	21:56:58
2	Fe 238.204†	95041.5	85897.1	2.387 mg/L	2.387 mg/L	21:56:58
2	Mg 279.077†	33877.0	30462.3	6.643 mg/L	6.643 mg/L	21:56:58
2	Mn 257.610†	103376.2	93261.1	0.4827 mg/L	0.4827 mg/L	21:56:58
2	Mo 202.031†	2344.2	2125.7	0.4835 mg/L	0.4835 mg/L	21:57:08
2	Ni 231.604†	5298.8	4802.5	0.4793 mg/L	0.4793 mg/L	21:56:58
2	P 214.914†	7017.9	6170.2	5.782 mg/L	5.782 mg/L	21:57:08
2	Pb 220.353†	1496.5	1369.3	0.4990 mg/L	0.4990 mg/L	21:57:08
2	Sb 206.836†	284.7	237.9	0.4861 mg/L	0.4861 mg/L	21:57:08
2	Se 196.026†	685.9	618.4	0.9322 mg/L	0.9322 mg/L	21:57:08
2	Sn 189.927†	609.4	555.8	0.5058 mg/L	0.5058 mg/L	21:57:08
2	Ti 337.279†	97811.8	89055.6	0.4786 mg/L	0.4786 mg/L	21:56:58
2	Tl 190.801†	163.2	144.0	0.5107 mg/L	0.5107 mg/L	21:57:08
2	V 292.402†	24514.7	22971.8	0.4828 mg/L	0.4828 mg/L	21:56:58
2	Zn 213.857†	30139.8	26715.5	0.6041 mg/L	0.6041 mg/L	21:56:58

Mean Data: CJ20903-PDS1

Analyte	Mean Corrected		Calib	Std.Dev.	Sample			
	Intensity	Conc.			Units	Std.Dev.	RSD	
Y 371.029	677289.8	1.09	mg/L	0.020			1.85%	
Ag 328.068†	12013.2	0.2414	mg/L	0.00871	0.2414	mg/L	0.00871	3.61%
Al 237.313†	6450.9	2.424	mg/L	0.0648	2.424	mg/L	0.0648	2.67%
As 188.979†	198.9	0.4570	mg/L	0.00795	0.4570	mg/L	0.00795	1.74%
B 182.528†	462.8	1.459	mg/L	0.0557	1.459	mg/L	0.0557	3.82%
B 249.677†	2384.5	1.396	mg/L	0.0313	1.396	mg/L	0.0313	2.25%
Ba 233.527†	8345.1	0.5043	mg/L	0.01873	0.5043	mg/L	0.01873	3.71%

Be 313.107†	44927.1	0.0475 mg/L	0.00172	0.0475 mg/L	0.00172	3.62%
Ca 315.887†	330944.7	11.37 mg/L	0.394	11.37 mg/L	0.394	3.47%
Cd 228.802†	2666.8	0.2436 mg/L	0.00478	0.2436 mg/L	0.00478	1.96%
Co 228.616†	6120.5	0.4866 mg/L	0.00857	0.4866 mg/L	0.00857	1.76%
Cr 267.716†	12954.1	0.4903 mg/L	0.01629	0.4903 mg/L	0.01629	3.32%
Cu 324.752†	43602.4	0.6008 mg/L	0.02015	0.6008 mg/L	0.02015	3.35%
Fe 234.349†	2745.6	2.247 mg/L	0.0626	2.247 mg/L	0.0626	2.78%
Fe 238.204†	88043.9	2.447 mg/L	0.0844	2.447 mg/L	0.0844	3.45%
K 766.490†	53619.3	28.30 mg/L	0.211	28.30 mg/L	0.211	0.75%
Li 670.784†	16709.3	0.4733 mg/L	0.00635	0.4733 mg/L	0.00635	1.34%
Mg 279.077†	31201.0	6.804 mg/L	0.2272	6.804 mg/L	0.2272	3.34%
Mn 257.610†	95585.2	0.4947 mg/L	0.01701	0.4947 mg/L	0.01701	3.44%
Mo 202.031†	2157.2	0.4907 mg/L	0.01012	0.4907 mg/L	0.01012	2.06%
Na 589.592†	805634.2	141.8 mg/L	1.24	141.8 mg/L	1.24	0.88%
Ni 231.604†	4912.7	0.4903 mg/L	0.01557	0.4903 mg/L	0.01557	3.18%
P 214.914†	6232.3	5.840 mg/L	0.0822	5.840 mg/L	0.0822	1.41%
Pb 220.353†	1372.5	0.5001 mg/L	0.00159	0.5001 mg/L	0.00159	0.32%
Sb 206.836†	236.6	0.4833 mg/L	0.00395	0.4833 mg/L	0.00395	0.82%
Se 196.026†	626.0	0.9436 mg/L	0.01619	0.9436 mg/L	0.01619	1.72%
Sn 189.927†	556.2	0.5062 mg/L	0.00069	0.5062 mg/L	0.00069	0.14%
Sr 407.771†	78650.6	0.0871 mg/L	0.00052	0.0871 mg/L	0.00052	0.60%
Ti 337.279†	91345.9	0.4909 mg/L	0.01741	0.4909 mg/L	0.01741	3.55%
Tl 190.801†	144.7	0.5133 mg/L	0.00365	0.5133 mg/L	0.00365	0.71%
V 292.402†	23487.4	0.4936 mg/L	0.01533	0.4936 mg/L	0.01533	3.10%
Zn 213.857†	27401.0	0.6196 mg/L	0.02196	0.6196 mg/L	0.02196	3.54%

Sequence No.: 14
Sample ID: 1210144-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 10/9/2012 9:58:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210144-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	50.3	48.4	0.0280 mg/L	0.0280 mg/L	22:00:43
1	Fe 234.349†	14.2	7.6	-0.0024 mg/L	-0.0024 mg/L	22:00:43
1	K 766.490†	3806.8	3266.7	1.587 mg/L	1.587 mg/L	22:00:33
1	Li 670.784†	-155.2	1.0	-0.0050 mg/L	-0.0050 mg/L	22:00:33
1	Na 589.592†	1923121.0	1717110.8	302.4 mg/L	302.4 mg/L	22:00:31
1	Sr 407.771†	3001.6	2599.6	0.0027 mg/L	0.0027 mg/L	22:00:33
1	Y 371.029	695400.8	695400.8	1.12 mg/L		22:01:01
1	Ag 328.068†	1452.4	-137.8	-0.0032 mg/L	-0.0032 mg/L	22:01:01
1	Al 237.313†	190.4	328.9	0.1180 mg/L	0.1180 mg/L	22:01:11
1	As 188.979†	2.5	-3.0	-0.0067 mg/L	-0.0067 mg/L	22:01:11
1	B 182.528†	-6.6	-0.4	0.0018 mg/L	0.0018 mg/L	22:01:11
1	Ba 233.527†	-2.3	48.5	0.0037 mg/L	0.0037 mg/L	22:01:11
1	Be 313.107†	-291.5	136.3	0.0000 mg/L	0.0000 mg/L	22:01:01
1	Ca 315.887†	2980.5	3608.2	0.1325 mg/L	0.1325 mg/L	22:01:01
1	Cd 228.802†	58.0	-1.6	-0.0003 mg/L	-0.0003 mg/L	22:01:11
1	Co 228.616†	-19.6	16.7	0.0021 mg/L	0.0021 mg/L	22:01:11
1	Cr 267.716†	413.5	-50.4	-0.0020 mg/L	-0.0020 mg/L	22:01:01
1	Cu 324.752†	1851.6	-209.6	0.0009 mg/L	0.0009 mg/L	22:01:01
1	Fe 238.204†	734.6	577.1	0.0163 mg/L	0.0163 mg/L	22:01:11
1	Mg 279.077†	261.2	49.8	0.0286 mg/L	0.0286 mg/L	22:01:01
1	Mn 257.610†	3181.7	2585.6	0.0134 mg/L	0.0134 mg/L	22:01:11
1	Mo 202.031†	6.4	10.8	0.0038 mg/L	0.0038 mg/L	22:01:11
1	Ni 231.604†	1.0	10.0	0.0002 mg/L	0.0002 mg/L	22:01:11
1	P 214.914†	214.6	13.3	0.0038 mg/L	0.0038 mg/L	22:01:11
1	Pb 220.353†	27.2	39.9	0.0151 mg/L	0.0151 mg/L	22:01:11
1	Sb 206.836†	27.5	5.0	0.0116 mg/L	0.0116 mg/L	22:01:11
1	Se 196.026†	-3.8	-5.5	-0.0051 mg/L	-0.0051 mg/L	22:01:11
1	Sn 189.927†	5.7	9.6	0.0091 mg/L	0.0091 mg/L	22:01:11
1	Ti 337.279†	-553.0	80.1	0.0003 mg/L	0.0003 mg/L	22:01:01
1	Tl 190.801†	0.3	-3.4	-0.0053 mg/L	-0.0053 mg/L	22:01:11
1	V 292.402†	-701.2	169.6	0.0025 mg/L	0.0025 mg/L	22:01:01
1	Zn 213.857†	763.2	131.8	0.0023 mg/L	0.0023 mg/L	22:01:11
2	B 249.677†	46.9	45.2	0.0261 mg/L	0.0261 mg/L	22:00:57
2	Fe 234.349†	20.7	13.3	0.0023 mg/L	0.0023 mg/L	22:00:57
2	K 766.490†	3817.3	3253.3	1.580 mg/L	1.580 mg/L	22:00:47
2	Li 670.784†	-147.6	8.7	-0.0048 mg/L	-0.0048 mg/L	22:00:47

2	Na 589.592†	1927637.2	1709655.3	301.1 mg/L	301.1 mg/L	22:00:45
2	Sr 407.771†	2994.6	2575.6	0.0027 mg/L	0.0027 mg/L	22:00:47
2	Y 371.029	700074.6	700074.6	1.13 mg/L		22:01:14
2	Ag 328.068†	1503.5	-101.2	-0.0025 mg/L	-0.0025 mg/L	22:01:14
2	Al 237.313†	190.1	327.5	0.1174 mg/L	0.1174 mg/L	22:01:24
2	As 188.979†	5.8	-0.1	-0.0001 mg/L	-0.0001 mg/L	22:01:24
2	B 182.528†	-7.5	-1.1	-0.0005 mg/L	-0.0005 mg/L	22:01:24
2	Ba 233.527†	-21.6	31.4	0.0026 mg/L	0.0026 mg/L	22:01:24
2	Be 313.107†	-344.8	90.8	-0.0001 mg/L	-0.0001 mg/L	22:01:14
2	Ca 315.887†	2927.3	3543.2	0.1303 mg/L	0.1303 mg/L	22:01:14
2	Cd 228.802†	60.9	0.6	-0.0001 mg/L	-0.0001 mg/L	22:01:24
2	Co 228.616†	-43.3	-4.1	0.0004 mg/L	0.0004 mg/L	22:01:24
2	Cr 267.716†	434.5	-34.2	-0.0013 mg/L	-0.0013 mg/L	22:01:14
2	Cu 324.752†	1935.4	-146.4	0.0017 mg/L	0.0017 mg/L	22:01:14
2	Fe 238.204†	725.2	564.3	0.0159 mg/L	0.0159 mg/L	22:01:24
2	Mg 279.077†	280.1	65.1	0.0319 mg/L	0.0319 mg/L	22:01:14
2	Mn 257.610†	3192.0	2575.7	0.0133 mg/L	0.0133 mg/L	22:01:24
2	Mo 202.031†	25.2	27.4	0.0076 mg/L	0.0076 mg/L	22:01:24
2	Ni 231.604†	5.4	13.9	0.0006 mg/L	0.0006 mg/L	22:01:24
2	P 214.914†	210.8	8.6	-0.0006 mg/L	-0.0006 mg/L	22:01:24
2	Pb 220.353†	-26.5	-7.9	-0.0023 mg/L	-0.0023 mg/L	22:01:24
2	Sb 206.836†	20.4	-1.5	-0.0016 mg/L	-0.0016 mg/L	22:01:24
2	Se 196.026†	7.4	4.6	0.0100 mg/L	0.0100 mg/L	22:01:24
2	Sn 189.927†	-13.4	-7.3	-0.0061 mg/L	-0.0061 mg/L	22:01:24
2	Ti 337.279†	-469.4	157.6	0.0007 mg/L	0.0007 mg/L	22:01:14
2	Tl 190.801†	5.1	0.8	0.0098 mg/L	0.0098 mg/L	22:01:24
2	V 292.402†	-608.2	256.2	0.0043 mg/L	0.0043 mg/L	22:01:14
2	Zn 213.857†	756.8	121.6	0.0020 mg/L	0.0020 mg/L	22:01:24

Mean Data: 1210144-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	697737.7	1.12	mg/L	0.005			0.47%
Ag 328.068†	-119.5	-0.0029	mg/L	0.00052	-0.0029 mg/L	0.00052	18.27%
Al 237.313†	328.2	0.1177	mg/L	0.00038	0.1177 mg/L	0.00038	0.32%
As 188.979†	-1.5	-0.0034	mg/L	0.00465	-0.0034 mg/L	0.00465	135.62%
B 182.528†	-0.7	0.0006	mg/L	0.00163	0.0006 mg/L	0.00163	265.04%
B 249.677†	46.8	0.0270	mg/L	0.00133	0.0270 mg/L	0.00133	4.94%
Ba 233.527†	39.9	0.0031	mg/L	0.00073	0.0031 mg/L	0.00073	23.23%
Be 313.107†	113.5	0.0000	mg/L	0.00003	0.0000 mg/L	0.00003	120.76%
Ca 315.887†	3575.7	0.1314	mg/L	0.00157	0.1314 mg/L	0.00157	1.20%
Cd 228.802†	-0.5	-0.0002	mg/L	0.00013	-0.0002 mg/L	0.00013	57.25%
Co 228.616†	6.3	0.0013	mg/L	0.00117	0.0013 mg/L	0.00117	92.78%
Cr 267.716†	-42.3	-0.0016	mg/L	0.00044	-0.0016 mg/L	0.00044	26.55%
Cu 324.752†	-178.0	0.0013	mg/L	0.00061	0.0013 mg/L	0.00061	47.05%
Fe 234.349†	10.4	0.0000	mg/L	0.00332	0.0000 mg/L	0.00332	>999.9%
Fe 238.204†	570.7	0.0161	mg/L	0.00025	0.0161 mg/L	0.00025	1.55%
K 766.490†	3260.0	1.583	mg/L	0.0050	1.583 mg/L	0.0050	0.32%
Li 670.784†	4.8	-0.0049	mg/L	0.00016	-0.0049 mg/L	0.00016	3.17%
Mg 279.077†	57.5	0.0302	mg/L	0.00235	0.0302 mg/L	0.00235	7.76%
Mn 257.610†	2580.7	0.0133	mg/L	0.00004	0.0133 mg/L	0.00004	0.27%
Mo 202.031†	19.1	0.0057	mg/L	0.00266	0.0057 mg/L	0.00266	46.66%
Na 589.592†	1713383.1	301.7	mg/L	0.93	301.7 mg/L	0.93	0.31%
Ni 231.604†	12.0	0.0004	mg/L	0.00028	0.0004 mg/L	0.00028	70.14%
P 214.914†	10.9	0.0016	mg/L	0.00310	0.0016 mg/L	0.00310	196.41%
Pb 220.353†	16.0	0.0064	mg/L	0.01236	0.0064 mg/L	0.01236	193.27%
Sb 206.836†	1.7	0.0050	mg/L	0.00935	0.0050 mg/L	0.00935	188.09%
Se 196.026†	-0.4	0.0025	mg/L	0.01065	0.0025 mg/L	0.01065	431.84%
Sn 189.927†	1.2	0.0015	mg/L	0.01076	0.0015 mg/L	0.01076	727.47%
Sr 407.771†	2587.6	0.0027	mg/L	0.00002	0.0027 mg/L	0.00002	0.70%
Ti 337.279†	118.8	0.0005	mg/L	0.00029	0.0005 mg/L	0.00029	63.48%
Tl 190.801†	-1.3	0.0023	mg/L	0.01065	0.0023 mg/L	0.01065	471.68%
V 292.402†	212.9	0.0034	mg/L	0.00130	0.0034 mg/L	0.00130	37.87%
Zn 213.857†	126.7	0.0022	mg/L	0.00017	0.0022 mg/L	0.00017	7.73%

Sequence No.: 15
Sample ID: 1210157-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 10/9/2012 10:03:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210157-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	22.9	24.7	0.0140	mg/L	0.0140	mg/L	22:04:57
1	Fe 234.349†	110.7	97.0	0.0658	mg/L	0.0658	mg/L	22:04:57
1	K 766.490†	5364.3	4818.9	2.410	mg/L	2.410	mg/L	22:04:47
1	Li 670.784†	-16.5	124.3	-0.0015	mg/L	-0.0015	mg/L	22:04:47
1	Na 589.592†	170347.2	157783.6	27.56	mg/L	27.56	mg/L	22:04:47
1	Sr 407.771†	22472.0	20657.5	0.0227	mg/L	0.0227	mg/L	22:04:47
1	Y 371.029	672625.3	672625.3	1.08	mg/L			22:05:14
1	Ag 328.068†	1486.5	-62.5	-0.0017	mg/L	-0.0017	mg/L	22:05:14
1	Al 237.313†	17.1	174.7	0.0600	mg/L	0.0600	mg/L	22:05:24
1	As 188.979†	3.4	-2.1	-0.0048	mg/L	-0.0048	mg/L	22:05:24
1	B 182.528†	-5.5	0.5	0.0043	mg/L	0.0043	mg/L	22:05:24
1	Ba 233.527†	54.1	100.5	0.0068	mg/L	0.0068	mg/L	22:05:24
1	Be 313.107†	-230.2	184.0	0.0000	mg/L	0.0000	mg/L	22:05:14
1	Ca 315.887†	212407.4	196956.2	6.770	mg/L	6.770	mg/L	22:05:14
1	Cd 228.802†	58.8	0.9	-0.0001	mg/L	-0.0001	mg/L	22:05:24
1	Co 228.616†	-50.0	-11.9	-0.0002	mg/L	-0.0002	mg/L	22:05:24
1	Cr 267.716†	450.3	-3.9	-0.0002	mg/L	-0.0002	mg/L	22:05:14
1	Cu 324.752†	3439.7	1311.7	0.0217	mg/L	0.0217	mg/L	22:05:14
1	Fe 238.204†	3401.1	3059.9	0.0852	mg/L	0.0852	mg/L	22:05:24
1	Mg 279.077†	3782.2	3307.0	0.7369	mg/L	0.7369	mg/L	22:05:14
1	Mn 257.610†	5026.7	4384.3	0.0227	mg/L	0.0227	mg/L	22:05:14
1	Mo 202.031†	14.5	18.4	0.0055	mg/L	0.0055	mg/L	22:05:24
1	Ni 231.604†	-6.3	3.3	-0.0005	mg/L	-0.0005	mg/L	22:05:24
1	P 214.914†	212.6	17.9	0.0079	mg/L	0.0079	mg/L	22:05:24
1	Pb 220.353†	-5.3	10.7	0.0044	mg/L	0.0044	mg/L	22:05:24
1	Sb 206.836†	21.8	0.5	0.0024	mg/L	0.0024	mg/L	22:05:24
1	Se 196.026†	6.3	3.8	0.0088	mg/L	0.0088	mg/L	22:05:24
1	Sn 189.927†	-9.3	-4.0	-0.0030	mg/L	-0.0030	mg/L	22:05:24
1	Ti 337.279†	-371.8	230.6	0.0011	mg/L	0.0011	mg/L	22:05:14
1	Tl 190.801†	3.9	-0.0	0.0067	mg/L	0.0067	mg/L	22:05:24
1	V 292.402†	-743.8	109.1	0.0013	mg/L	0.0013	mg/L	22:05:14
1	Zn 213.857†	1704.8	1023.8	0.0226	mg/L	0.0226	mg/L	22:05:24
2	B 249.677†	23.5	25.5	0.0146	mg/L	0.0146	mg/L	22:05:10
2	Fe 234.349†	119.3	106.3	0.0734	mg/L	0.0734	mg/L	22:05:10
2	K 766.490†	5451.1	4957.6	2.484	mg/L	2.484	mg/L	22:05:00
2	Li 670.784†	-34.0	107.8	-0.0020	mg/L	-0.0020	mg/L	22:05:00
2	Na 589.592†	172846.6	161947.2	28.30	mg/L	28.30	mg/L	22:05:00
2	Sr 407.771†	22848.9	21250.8	0.0234	mg/L	0.0234	mg/L	22:05:00
2	Y 371.029	664883.2	664883.2	1.07	mg/L			22:05:26
2	Ag 328.068†	1449.6	-81.0	-0.0021	mg/L	-0.0021	mg/L	22:05:26
2	Al 237.313†	35.9	192.5	0.0667	mg/L	0.0667	mg/L	22:05:36
2	As 188.979†	7.3	1.5	0.0037	mg/L	0.0037	mg/L	22:05:36
2	B 182.528†	-1.4	4.2	0.0162	mg/L	0.0162	mg/L	22:05:36
2	Ba 233.527†	68.7	114.6	0.0076	mg/L	0.0076	mg/L	22:05:36
2	Be 313.107†	-233.4	178.6	0.0000	mg/L	0.0000	mg/L	22:05:26
2	Ca 315.887†	209198.2	196242.7	6.745	mg/L	6.745	mg/L	22:05:26
2	Cd 228.802†	53.4	-3.6	-0.0005	mg/L	-0.0005	mg/L	22:05:36
2	Co 228.616†	-47.6	-10.2	-0.0001	mg/L	-0.0001	mg/L	22:05:36
2	Cr 267.716†	414.8	-32.2	-0.0013	mg/L	-0.0013	mg/L	22:05:26
2	Cu 324.752†	3375.8	1289.1	0.0214	mg/L	0.0214	mg/L	22:05:26
2	Fe 238.204†	3369.2	3066.7	0.0854	mg/L	0.0854	mg/L	22:05:36
2	Mg 279.077†	3744.4	3312.3	0.7380	mg/L	0.7380	mg/L	22:05:26
2	Mn 257.610†	4986.1	4400.4	0.0227	mg/L	0.0227	mg/L	22:05:26
2	Mo 202.031†	14.8	18.8	0.0056	mg/L	0.0056	mg/L	22:05:36
2	Ni 231.604†	11.2	19.6	0.0012	mg/L	0.0012	mg/L	22:05:36
2	P 214.914†	206.9	14.8	0.0050	mg/L	0.0050	mg/L	22:05:36
2	Pb 220.353†	-8.0	8.2	0.0035	mg/L	0.0035	mg/L	22:05:36
2	Sb 206.836†	20.5	-0.4	0.0005	mg/L	0.0005	mg/L	22:05:36
2	Se 196.026†	2.0	-0.1	0.0030	mg/L	0.0030	mg/L	22:05:36
2	Sn 189.927†	-52.0	-44.0	-0.0388	mg/L	-0.0388	mg/L	22:05:36
2	Ti 337.279†	710.3	1236.8	0.0065	mg/L	0.0065	mg/L	22:05:26
2	Tl 190.801†	-0.3	-3.9	-0.0070	mg/L	-0.0070	mg/L	22:05:36
2	V 292.402†	-825.6	24.7	-0.0005	mg/L	-0.0005	mg/L	22:05:26
2	Zn 213.857†	1706.2	1043.4	0.0230	mg/L	0.0230	mg/L	22:05:36

Mean Data: 1210157-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
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Y 371.029	668754.2	1.08	mg/L	0.009			0.82%
Ag 328.068†	-71.7	-0.0019	mg/L	0.00026	-0.0019	mg/L	0.00026 13.95%
Al 237.313†	183.6	0.0633	mg/L	0.00472	0.0633	mg/L	0.00472 7.45%
As 188.979†	-0.3	-0.0005	mg/L	0.00596	-0.0005	mg/L	0.00596 >999.9%
B 182.528†	2.4	0.0103	mg/L	0.00840	0.0103	mg/L	0.00840 81.64%
B 249.677†	25.1	0.0143	mg/L	0.00036	0.0143	mg/L	0.00036 2.53%
Ba 233.527†	107.5	0.0072	mg/L	0.00060	0.0072	mg/L	0.00060 8.36%
Be 313.107†	181.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000 9.44%
Ca 315.887†	196599.4	6.758	mg/L	0.0173	6.758	mg/L	0.0173 0.26%
Cd 228.802†	-1.3	-0.0003	mg/L	0.00032	-0.0003	mg/L	0.00032 100.40%
Co 228.616†	-11.0	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009 68.75%
Cr 267.716†	-18.0	-0.0007	mg/L	0.00076	-0.0007	mg/L	0.00076 104.22%
Cu 324.752†	1300.4	0.0215	mg/L	0.00022	0.0215	mg/L	0.00022 1.00%
Fe 234.349†	101.7	0.0696	mg/L	0.00543	0.0696	mg/L	0.00543 7.81%
Fe 238.204†	3063.3	0.0853	mg/L	0.00013	0.0853	mg/L	0.00013 0.15%
K 766.490†	4888.3	2.447	mg/L	0.0520	2.447	mg/L	0.0520 2.13%
Li 670.784†	116.0	-0.0017	mg/L	0.00034	-0.0017	mg/L	0.00034 19.40%
Mg 279.077†	3309.6	0.7374	mg/L	0.00082	0.7374	mg/L	0.00082 0.11%
Mn 257.610†	4392.3	0.0227	mg/L	0.00006	0.0227	mg/L	0.00006 0.26%
Mo 202.031†	18.6	0.0056	mg/L	0.00007	0.0056	mg/L	0.00007 1.24%
Na 589.592†	159865.4	27.93	mg/L	0.519	27.93	mg/L	0.519 1.86%
Ni 231.604†	11.4	0.0003	mg/L	0.00115	0.0003	mg/L	0.00115 333.46%
P 214.914†	16.3	0.0064	mg/L	0.00201	0.0064	mg/L	0.00201 31.18%
Pb 220.353†	9.4	0.0040	mg/L	0.00065	0.0040	mg/L	0.00065 16.30%
Sb 206.836†	0.0	0.0014	mg/L	0.00140	0.0014	mg/L	0.00140 96.49%
Se 196.026†	1.8	0.0059	mg/L	0.00412	0.0059	mg/L	0.00412 70.19%
Sn 189.927†	-24.0	-0.0209	mg/L	0.02534	-0.0209	mg/L	0.02534 121.34%
Sr 407.771†	20954.2	0.0231	mg/L	0.00047	0.0231	mg/L	0.00047 2.02%
Ti 337.279†	733.7	0.0038	mg/L	0.00382	0.0038	mg/L	0.00382 101.47%
Tl 190.801†	-2.0	-0.0002	mg/L	0.00969	-0.0002	mg/L	0.00969 >999.9%
V 292.402†	66.9	0.0004	mg/L	0.00125	0.0004	mg/L	0.00125 338.68%
Zn 213.857†	1033.6	0.0228	mg/L	0.00031	0.0228	mg/L	0.00031 1.36%

Sequence No.: 16
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/9/2012 10:07:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	852.4	799.3	0.4669 mg/L	0.4669 mg/L	22:09:07
1	Fe 234.349†	3075.4	2865.7	2.352 mg/L	2.352 mg/L	22:09:07
1	K 766.490†	48728.8	45355.3	23.91 mg/L	23.91 mg/L	22:08:57
1	Li 670.784†	17970.6	16914.4	0.4791 mg/L	0.4791 mg/L	22:08:57
1	Na 589.592†	147300.2	138087.2	24.09 mg/L	24.09 mg/L	22:08:57
1	Sr 407.771†	45881.2	42748.8	0.0473 mg/L	0.0473 mg/L	22:08:57
1	Y 371.029	664938.7	664938.7	1.07 mg/L		22:09:23
1	Ag 328.068†	14690.9	12279.1	0.2468 mg/L	0.2468 mg/L	22:09:23
1	Al 237.313†	6902.6	6602.2	2.481 mg/L	2.481 mg/L	22:09:23
1	As 188.979†	229.9	209.4	0.4812 mg/L	0.4812 mg/L	22:09:33
1	B 182.528†	154.9	150.1	0.4751 mg/L	0.4751 mg/L	22:09:33
1	Ba 233.527†	8890.6	8349.5	0.5046 mg/L	0.5046 mg/L	22:09:23
1	Be 313.107†	50146.1	47206.0	0.0499 mg/L	0.0499 mg/L	22:09:23
1	Ca 315.887†	154766.8	145416.7	5.003 mg/L	5.003 mg/L	22:09:23
1	Cd 228.802†	2955.2	2705.2	0.2470 mg/L	0.2470 mg/L	22:09:33
1	Co 228.616†	6667.7	6258.3	0.4976 mg/L	0.4976 mg/L	22:09:33
1	Cr 267.716†	14595.8	13205.1	0.4998 mg/L	0.4998 mg/L	22:09:23
1	Cu 324.752†	40081.8	35552.5	0.4906 mg/L	0.4906 mg/L	22:09:23
1	Fe 238.204†	96340.6	89851.7	2.497 mg/L	2.497 mg/L	22:09:23
1	Mg 279.077†	24377.8	22572.5	4.928 mg/L	4.928 mg/L	22:09:23
1	Mn 257.610†	104152.5	96968.1	0.5019 mg/L	0.5019 mg/L	22:09:23
1	Mo 202.031†	2367.7	2215.2	0.5039 mg/L	0.5039 mg/L	22:09:33
1	Ni 231.604†	5318.3	4973.5	0.4964 mg/L	0.4964 mg/L	22:09:23
1	P 214.914†	5734.2	5174.3	4.848 mg/L	4.848 mg/L	22:09:33
1	Pb 220.353†	1463.4	1381.6	0.5037 mg/L	0.5037 mg/L	22:09:33
1	Sb 206.836†	274.2	236.4	0.4830 mg/L	0.4830 mg/L	22:09:33
1	Se 196.026†	695.3	647.0	0.9751 mg/L	0.9751 mg/L	22:09:33
1	Sn 189.927†	605.6	569.9	0.5188 mg/L	0.5188 mg/L	22:09:33
1	Ti 337.279†	99421.4	93379.8	0.5018 mg/L	0.5018 mg/L	22:09:23

1	Tl 190.801†	156.1	142.1	0.5038 mg/L	0.5038 mg/L	22:09:33
1	V 292.402†	25044.2	24173.2	0.5080 mg/L	0.5080 mg/L	22:09:23
1	Zn 213.857†	24023.3	21875.4	0.4939 mg/L	0.4939 mg/L	22:09:23
2	B 249.677†	857.9	801.5	0.4682 mg/L	0.4682 mg/L	22:09:19
2	Fe 234.349†	3082.7	2862.3	2.350 mg/L	2.350 mg/L	22:09:19
2	K 766.490†	48809.7	45269.6	23.87 mg/L	23.87 mg/L	22:09:09
2	Li 670.784†	18153.9	17025.5	0.4823 mg/L	0.4823 mg/L	22:09:09
2	Na 589.592†	148000.4	138252.0	24.12 mg/L	24.12 mg/L	22:09:09
2	Sr 407.771†	45978.3	42687.5	0.0472 mg/L	0.0472 mg/L	22:09:09
2	Y 371.029	667300.0	667300.0	1.08 mg/L		22:09:36
2	Ag 328.068†	14613.3	12158.5	0.2444 mg/L	0.2444 mg/L	22:09:36
2	Al 237.313†	6913.2	6589.3	2.477 mg/L	2.477 mg/L	22:09:36
2	As 188.979†	228.6	207.4	0.4766 mg/L	0.4766 mg/L	22:09:46
2	B 182.528†	156.7	151.3	0.4788 mg/L	0.4788 mg/L	22:09:46
2	Ba 233.527†	8907.4	8335.8	0.5038 mg/L	0.5038 mg/L	22:09:36
2	Be 313.107†	50283.8	47168.4	0.0498 mg/L	0.0498 mg/L	22:09:36
2	Ca 315.887†	155664.7	145740.7	5.014 mg/L	5.014 mg/L	22:09:36
2	Cd 228.802†	2937.7	2679.2	0.2446 mg/L	0.2446 mg/L	22:09:46
2	Co 228.616†	6632.7	6203.8	0.4932 mg/L	0.4932 mg/L	22:09:46
2	Cr 267.716†	14634.7	13193.2	0.4994 mg/L	0.4994 mg/L	22:09:36
2	Cu 324.752†	40143.7	35477.7	0.4896 mg/L	0.4896 mg/L	22:09:36
2	Fe 238.204†	96497.7	89679.5	2.492 mg/L	2.492 mg/L	22:09:36
2	Mg 279.077†	24396.8	22509.6	4.914 mg/L	4.914 mg/L	22:09:36
2	Mn 257.610†	104290.6	96752.5	0.5008 mg/L	0.5008 mg/L	22:09:36
2	Mo 202.031†	2360.7	2200.9	0.5007 mg/L	0.5007 mg/L	22:09:46
2	Ni 231.604†	5369.4	5003.5	0.4994 mg/L	0.4994 mg/L	22:09:36
2	P 214.914†	5704.0	5127.3	4.804 mg/L	4.804 mg/L	22:09:46
2	Pb 220.353†	1446.6	1361.1	0.4962 mg/L	0.4962 mg/L	22:09:46
2	Sb 206.836†	278.8	239.8	0.4898 mg/L	0.4898 mg/L	22:09:46
2	Se 196.026†	709.4	657.8	0.9914 mg/L	0.9914 mg/L	22:09:46
2	Sn 189.927†	612.6	574.4	0.5228 mg/L	0.5228 mg/L	22:09:46
2	Ti 337.279†	99790.8	93395.0	0.5019 mg/L	0.5019 mg/L	22:09:36
2	Tl 190.801†	153.1	138.7	0.4920 mg/L	0.4920 mg/L	22:09:46
2	V 292.402†	25179.7	24216.5	0.5089 mg/L	0.5089 mg/L	22:09:36
2	Zn 213.857†	24084.3	21852.8	0.4934 mg/L	0.4934 mg/L	22:09:36

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	666119.3	1.07 mg/L	0.003			0.25%
Ag 328.068†	12218.8	0.2456 mg/L	0.00172	0.2456 mg/L	0.00172	0.70%
QC value within limits for Ag 328.068 Recovery = 98.23%						
Al 237.313†	6595.8	2.479 mg/L	0.0034	2.479 mg/L	0.0034	0.14%
QC value within limits for Al 237.313 Recovery = 99.16%						
As 188.979†	208.4	0.4789 mg/L	0.00330	0.4789 mg/L	0.00330	0.69%
QC value within limits for As 188.979 Recovery = 95.78%						
B 182.528†	150.7	0.4770 mg/L	0.00264	0.4770 mg/L	0.00264	0.55%
QC value within limits for B 182.528 Recovery = 95.39%						
B 249.677†	800.4	0.4676 mg/L	0.00095	0.4676 mg/L	0.00095	0.20%
QC value within limits for B 249.677 Recovery = 93.51%						
Ba 233.527†	8342.7	0.5042 mg/L	0.00059	0.5042 mg/L	0.00059	0.12%
QC value within limits for Ba 233.527 Recovery = 100.83%						
Be 313.107†	47187.2	0.0499 mg/L	0.00003	0.0499 mg/L	0.00003	0.06%
QC value within limits for Be 313.107 Recovery = 99.74%						
Ca 315.887†	145578.7	5.009 mg/L	0.0079	5.009 mg/L	0.0079	0.16%
QC value within limits for Ca 315.887 Recovery = 100.18%						
Cd 228.802†	2692.2	0.2458 mg/L	0.00168	0.2458 mg/L	0.00168	0.68%
QC value within limits for Cd 228.802 Recovery = 98.33%						
Co 228.616†	6231.0	0.4954 mg/L	0.00307	0.4954 mg/L	0.00307	0.62%
QC value within limits for Co 228.616 Recovery = 99.08%						
Cr 267.716†	13199.2	0.4996 mg/L	0.00032	0.4996 mg/L	0.00032	0.06%
QC value within limits for Cr 267.716 Recovery = 99.92%						
Cu 324.752†	35515.1	0.4901 mg/L	0.00072	0.4901 mg/L	0.00072	0.15%
QC value within limits for Cu 324.752 Recovery = 98.03%						
Fe 234.349†	2864.0	2.351 mg/L	0.0020	2.351 mg/L	0.0020	0.09%
QC value within limits for Fe 234.349 Recovery = 94.04%						
Fe 238.204†	89765.6	2.495 mg/L	0.0034	2.495 mg/L	0.0034	0.14%
QC value within limits for Fe 238.204 Recovery = 99.79%						
K 766.490†	45312.5	23.89 mg/L	0.032	23.89 mg/L	0.032	0.13%
QC value within limits for K 766.490 Recovery = 95.56%						
Li 670.784†	16970.0	0.4807 mg/L	0.00225	0.4807 mg/L	0.00225	0.47%
QC value within limits for Li 670.784 Recovery = 96.14%						

Mg	279.077†	22541.0	4.921 mg/L	0.0097	4.921 mg/L	0.0097	0.20%
Mn	257.610†	96860.3	0.5013 mg/L	0.00079	0.5013 mg/L	0.00079	0.16%
Mo	202.031†	2208.0	0.5023 mg/L	0.00230	0.5023 mg/L	0.00230	0.46%
Na	589.592†	138169.6	24.11 mg/L	0.021	24.11 mg/L	0.021	0.09%
Ni	231.604†	4988.5	0.4979 mg/L	0.00211	0.4979 mg/L	0.00211	0.42%
P	214.914†	5150.8	4.826 mg/L	0.0312	4.826 mg/L	0.0312	0.65%
Pb	220.353†	1371.4	0.4999 mg/L	0.00528	0.4999 mg/L	0.00528	1.06%
Sb	206.836†	238.1	0.4864 mg/L	0.00480	0.4864 mg/L	0.00480	0.99%
Se	196.026†	652.4	0.9832 mg/L	0.01150	0.9832 mg/L	0.01150	1.17%
Sn	189.927†	572.2	0.5208 mg/L	0.00284	0.5208 mg/L	0.00284	0.55%
Sr	407.771†	42718.2	0.0472 mg/L	0.00005	0.0472 mg/L	0.00005	0.10%
Ti	337.279†	93387.4	0.5019 mg/L	0.00006	0.5019 mg/L	0.00006	0.01%
Tl	190.801†	140.4	0.4979 mg/L	0.00831	0.4979 mg/L	0.00831	1.67%
V	292.402†	24194.9	0.5085 mg/L	0.00062	0.5085 mg/L	0.00062	0.12%
Zn	213.857†	21864.1	0.4937 mg/L	0.00037	0.4937 mg/L	0.00037	0.08%

All analyte(s) passed QC.

Sequence No.: 17

Sample ID: CCB1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 10/9/2012 10:11:24 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1.8	5.3	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	22:13:24
1	Fe 234.349†	8.1	2.7	-0.0063 mg/L	-0.0063 mg/L	-0.0063 mg/L	22:13:24
1	K 766.490†	231.9	94.3	-0.0958 mg/L	-0.0958 mg/L	-0.0958 mg/L	22:13:14
1	Li 670.784†	-111.2	31.4	-0.0042 mg/L	-0.0042 mg/L	-0.0042 mg/L	22:13:14
1	Na 589.592†	-83.2	507.2	-0.1566 mg/L	-0.1566 mg/L	-0.1566 mg/L	22:13:14
1	Sr 407.771†	99.8	17.5	-0.0002 mg/L	-0.0002 mg/L	-0.0002 mg/L	22:13:14
1	Y 371.029	638241.0	638241.0	1.03 mg/L	1.03 mg/L	1.03 mg/L	22:13:49
1	Ag 328.068†	1499.2	23.7	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	22:13:49
1	Al 237.313†	-154.9	8.3	-0.0026 mg/L	-0.0026 mg/L	-0.0026 mg/L	22:13:59
1	As 188.979†	1.7	-3.5	-0.0080 mg/L	-0.0080 mg/L	-0.0080 mg/L	22:13:59
1	B 182.528†	-6.7	-0.9	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	22:13:59
1	Ba 233.527†	-45.3	6.5	0.0011 mg/L	0.0011 mg/L	0.0011 mg/L	22:13:59
1	Be 313.107†	-253.5	149.9	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	22:13:49
1	Ca 315.887†	-670.4	295.8	0.0188 mg/L	0.0188 mg/L	0.0188 mg/L	22:13:49
1	Cd 228.802†	57.1	2.1	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	22:13:59
1	Co 228.616†	-46.2	-10.7	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	22:13:59
1	Cr 267.716†	404.1	-26.4	-0.0010 mg/L	-0.0010 mg/L	-0.0010 mg/L	22:13:49
1	Cu 324.752†	1835.2	-77.6	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	22:13:49
1	Fe 238.204†	241.0	155.8	0.0046 mg/L	0.0046 mg/L	0.0046 mg/L	22:13:59
1	Mg 279.077†	176.8	-11.3	0.0152 mg/L	0.0152 mg/L	0.0152 mg/L	22:13:49
1	Mn 257.610†	424.2	158.3	0.0008 mg/L	0.0008 mg/L	0.0008 mg/L	22:13:59
1	Mo 202.031†	7.5	12.3	0.0042 mg/L	0.0042 mg/L	0.0042 mg/L	22:13:59
1	Ni 231.604†	-1.9	7.3	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	22:13:59
1	P 214.914†	215.1	30.9	0.0203 mg/L	0.0203 mg/L	0.0203 mg/L	22:13:59
1	Pb 220.353†	6.8	22.2	0.0087 mg/L	0.0087 mg/L	0.0087 mg/L	22:13:59
1	Sb 206.836†	22.1	1.9	0.0053 mg/L	0.0053 mg/L	0.0053 mg/L	22:13:59
1	Se 196.026†	10.9	8.5	0.0159 mg/L	0.0159 mg/L	0.0159 mg/L	22:13:59
1	Sn 189.927†	-9.3	-4.5	-0.0036 mg/L	-0.0036 mg/L	-0.0036 mg/L	22:13:59
1	Ti 337.279†	-397.1	187.5	0.0008 mg/L	0.0008 mg/L	0.0008 mg/L	22:13:49
1	Tl 190.801†	0.8	-2.9	-0.0032 mg/L	-0.0032 mg/L	-0.0032 mg/L	22:13:59

1	V 292.402†	-775.7	41.0	-0.0002 mg/L	-0.0002 mg/L	22:13:49
1	Zn 213.857†	598.5	32.7	0.0000 mg/L	0.0000 mg/L	22:13:59
2	B 249.677†	3.0	6.4	0.0033 mg/L	0.0033 mg/L	22:13:45
2	Fe 234.349†	1.6	-3.6	-0.0115 mg/L	-0.0115 mg/L	22:13:45
2	K 766.490†	200.4	61.3	-0.1133 mg/L	-0.1133 mg/L	22:13:35
2	Li 670.784†	-109.0	34.9	-0.0041 mg/L	-0.0041 mg/L	22:13:35
2	Na 589.592†	-136.5	457.0	-0.1654 mg/L	-0.1654 mg/L	22:13:35
2	Sr 407.771†	110.0	26.1	-0.0002 mg/L	-0.0002 mg/L	22:13:35
2	Y 371.029	646242.1	646242.1	1.04 mg/L		22:14:01
2	Ag 328.068†	1457.1	-34.8	-0.0012 mg/L	-0.0012 mg/L	22:14:01
2	Al 237.313†	-198.9	-32.1	-0.0177 mg/L	-0.0177 mg/L	22:14:11
2	As 188.979†	4.2	-1.2	-0.0027 mg/L	-0.0027 mg/L	22:14:11
2	B 182.528†	-1.1	4.5	0.0170 mg/L	0.0170 mg/L	22:14:11
2	Ba 233.527†	-42.9	9.3	0.0013 mg/L	0.0013 mg/L	22:14:11
2	Be 313.107†	-301.5	106.9	0.0000 mg/L	0.0000 mg/L	22:14:01
2	Ca 315.887†	-690.2	284.9	0.0184 mg/L	0.0184 mg/L	22:14:01
2	Cd 228.802†	55.8	0.2	-0.0002 mg/L	-0.0002 mg/L	22:14:11
2	Co 228.616†	-40.8	-4.9	0.0004 mg/L	0.0004 mg/L	22:14:11
2	Cr 267.716†	395.6	-39.5	-0.0015 mg/L	-0.0015 mg/L	22:14:01
2	Cu 324.752†	1820.5	-113.8	0.0022 mg/L	0.0022 mg/L	22:14:01
2	Fe 238.204†	232.6	144.8	0.0043 mg/L	0.0043 mg/L	22:14:11
2	Mg 279.077†	147.5	-41.6	0.0087 mg/L	0.0087 mg/L	22:14:01
2	Mn 257.610†	405.0	134.7	0.0007 mg/L	0.0007 mg/L	22:14:11
2	Mo 202.031†	15.7	20.1	0.0059 mg/L	0.0059 mg/L	22:14:11
2	Ni 231.604†	-7.0	2.4	-0.0006 mg/L	-0.0006 mg/L	22:14:11
2	P 214.914†	194.1	8.2	-0.0011 mg/L	-0.0011 mg/L	22:14:11
2	Pb 220.353†	-2.4	13.3	0.0054 mg/L	0.0054 mg/L	22:14:11
2	Sb 206.836†	20.3	-0.1	0.0013 mg/L	0.0013 mg/L	22:14:11
2	Se 196.026†	0.6	-1.4	0.0010 mg/L	0.0010 mg/L	22:14:11
2	Sn 189.927†	-1.9	2.7	0.0029 mg/L	0.0029 mg/L	22:14:11
2	Ti 337.279†	-518.0	76.1	0.0002 mg/L	0.0002 mg/L	22:14:01
2	Tl 190.801†	-1.8	-5.4	-0.0123 mg/L	-0.0123 mg/L	22:14:11
2	V 292.402†	-814.9	12.8	-0.0007 mg/L	-0.0007 mg/L	22:14:01
2	Zn 213.857†	615.0	41.3	0.0002 mg/L	0.0002 mg/L	22:14:11

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	642241.5	1.03 mg/L	0.009			0.88%
Ag 328.068†	-5.5	-0.0006 mg/L	0.00083	-0.0006 mg/L	0.00083	147.96%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-11.9	-0.0102 mg/L	0.01074	-0.0102 mg/L	0.01074	105.76%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-2.4	-0.0053 mg/L	0.00380	-0.0053 mg/L	0.00380	71.20%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	1.8	0.0085 mg/L	0.01200	0.0085 mg/L	0.01200	140.89%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	5.8	0.0030 mg/L	0.00047	0.0030 mg/L	0.00047	15.58%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	7.9	0.0012 mg/L	0.00012	0.0012 mg/L	0.00012	10.19%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	128.4	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	259.83%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	290.4	0.0186 mg/L	0.00027	0.0186 mg/L	0.00027	1.46%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	1.2	-0.0001 mg/L	0.00015	-0.0001 mg/L	0.00015	231.08%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	-7.8	0.0001 mg/L	0.00033	0.0001 mg/L	0.00033	231.89%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-32.9	-0.0013 mg/L	0.00035	-0.0013 mg/L	0.00035	26.96%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-95.7	0.0024 mg/L	0.00035	0.0024 mg/L	0.00035	14.46%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	-0.4	-0.0089 mg/L	0.00371	-0.0089 mg/L	0.00371	41.68%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	150.3	0.0044 mg/L	0.00022	0.0044 mg/L	0.00022	4.92%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	77.8	-0.1046 mg/L	0.01238	-0.1046 mg/L	0.01238	11.84%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	33.1	-0.0041 mg/L	0.00007	-0.0041 mg/L	0.00007	1.73%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	-26.5	0.0120 mg/L	0.00466	0.0120 mg/L	0.00466	39.02%

Mn	257.610†	146.5	0.0007 mg/L	0.00009	0.0007 mg/L	0.00009	11.82%
Mo	202.031†	16.2	0.0051 mg/L	0.00125	0.0051 mg/L	0.00125	24.78%
Na	589.592†	482.1	-0.1610 mg/L	0.00625	-0.1610 mg/L	0.00625	3.88%
Ni	231.604†	4.8	-0.0003 mg/L	0.00034	-0.0003 mg/L	0.00034	109.75%
P	214.914†	19.5	0.0096 mg/L	0.01508	0.0096 mg/L	0.01508	157.36%
Pb	220.353†	17.7	0.0071 mg/L	0.00232	0.0071 mg/L	0.00232	32.75%
Sb	206.836†	0.9	0.0033 mg/L	0.00284	0.0033 mg/L	0.00284	85.80%
Se	196.026†	3.6	0.0085 mg/L	0.01056	0.0085 mg/L	0.01056	124.54%
Sn	189.927†	-0.9	-0.0004 mg/L	0.00458	-0.0004 mg/L	0.00458	>999.9%
Sr	407.771†	21.8	-0.0002 mg/L	0.00001	-0.0002 mg/L	0.00001	3.96%
Ti	337.279†	131.8	0.0005 mg/L	0.00042	0.0005 mg/L	0.00042	79.33%
Tl	190.801†	-4.1	-0.0078 mg/L	0.00639	-0.0078 mg/L	0.00639	82.50%
V	292.402†	26.9	-0.0005 mg/L	0.00041	-0.0005 mg/L	0.00041	90.29%
Zn	213.857†	37.0	0.0001 mg/L	0.00014	0.0001 mg/L	0.00014	116.48%
QC Failed. Continue with analysis.							

Sequence No.: 18
Sample ID: 1210169-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 10/9/2012 10:15:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210169-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	228.9	220.4	0.1287 mg/L		0.1287 mg/L	22:17:42
1	Fe 234.349†	3445.8	3259.1	2.631 mg/L		2.631 mg/L	22:17:42
1	K 766.490†	14988.2	14067.5	7.316 mg/L		7.316 mg/L	22:17:32
1	Li 670.784†	66.7	202.7	0.0008 mg/L		0.0008 mg/L	22:17:32
1	Na 589.592†	429474.0	407439.8	71.57 mg/L		71.57 mg/L	22:17:32
1	Sr 407.771†	362643.8	343462.2	0.3812 mg/L		0.3812 mg/L	22:17:32
1	Y 371.029	655207.5	655207.5	1.06 mg/L			22:17:58
1	Ag 328.068†	1410.4	-98.2	-0.0022 mg/L		-0.0022 mg/L	22:18:01
1	Al 237.313†	-124.6	40.9	0.0097 mg/L		0.0097 mg/L	22:18:11
1	As 188.979†	1.8	-3.5	-0.0069 mg/L		-0.0069 mg/L	22:18:11
1	B 182.528†	26.9	31.1	0.1006 mg/L		0.1006 mg/L	22:18:11
1	Ba 233.527†	2868.1	2767.6	0.1678 mg/L		0.1678 mg/L	22:18:11
1	Be 313.107†	-374.8	41.4	-0.0001 mg/L		-0.0001 mg/L	22:18:01
1	Ca 315.887†	2010234.9	1905294.8	65.42 mg/L		65.42 mg/L	22:17:58
1	Cd 228.802†	56.8	0.4	-0.0001 mg/L		-0.0001 mg/L	22:18:11
1	Co 228.616†	-9.3	25.4	0.0028 mg/L		0.0028 mg/L	22:18:11
1	Cr 267.716†	433.2	-9.1	-0.0004 mg/L		-0.0004 mg/L	22:18:01
1	Cu 324.752†	1837.0	-122.1	0.0021 mg/L		0.0021 mg/L	22:18:01
1	Fe 238.204†	109498.3	103651.9	2.880 mg/L		2.880 mg/L	22:18:01
1	Mg 279.077†	80688.1	76254.6	16.60 mg/L		16.60 mg/L	22:18:01
1	Mn 257.610†	182408.9	172546.3	0.8928 mg/L		0.8928 mg/L	22:17:58
1	Mo 202.031†	80.4	81.2	0.0190 mg/L		0.0190 mg/L	22:18:11
1	Ni 231.604†	18.9	27.0	0.0019 mg/L		0.0019 mg/L	22:18:11
1	P 214.914†	229.5	39.1	0.0342 mg/L		0.0342 mg/L	22:18:11
1	Pb 220.353†	-22.9	-6.1	-0.0017 mg/L		-0.0017 mg/L	22:18:11
1	Sb 206.836†	31.4	10.1	0.0209 mg/L		0.0209 mg/L	22:18:11
1	Se 196.026†	-1.8	-3.7	-0.0013 mg/L		-0.0013 mg/L	22:18:11
1	Sn 189.927†	-175.2	-161.4	-0.1365 mg/L		-0.1365 mg/L	22:18:11
1	Ti 337.279†	-507.5	93.0	0.0003 mg/L		0.0003 mg/L	22:18:01
1	Tl 190.801†	5.1	1.2	0.0096 mg/L		0.0096 mg/L	22:18:11
1	V 292.402†	-772.1	64.0	-0.0001 mg/L		-0.0001 mg/L	22:18:01

1	Zn 213.857†	2756.2	2061.6	0.0462 mg/L	0.0462 mg/L	22:18:11
2	B 249.677†	227.2	217.9	0.1272 mg/L	0.1272 mg/L	22:17:54
2	Fe 234.349†	3415.4	3217.5	2.597 mg/L	2.597 mg/L	22:17:54
2	K 766.490†	14912.8	13939.9	7.249 mg/L	7.249 mg/L	22:17:44
2	Li 670.784†	24.1	162.2	-0.0004 mg/L	-0.0004 mg/L	22:17:44
2	Na 589.592†	429966.7	406287.6	71.36 mg/L	71.36 mg/L	22:17:44
2	Sr 407.771†	362301.8	341774.1	0.3793 mg/L	0.3793 mg/L	22:17:44
2	Y 371.029	657822.2	657822.2	1.06 mg/L	1.06 mg/L	22:18:13
2	Ag 328.068†	1379.1	-133.0	-0.0029 mg/L	-0.0029 mg/L	22:18:15
2	Al 237.313†	-122.2	43.6	0.0107 mg/L	0.0107 mg/L	22:18:26
2	As 188.979†	-3.1	-8.1	-0.0175 mg/L	-0.0175 mg/L	22:18:26
2	B 182.528†	26.7	30.7	0.0995 mg/L	0.0995 mg/L	22:18:26
2	Ba 233.527†	2872.3	2760.7	0.1674 mg/L	0.1674 mg/L	22:18:26
2	Be 313.107†	-308.9	105.0	0.0000 mg/L	0.0000 mg/L	22:18:15
2	Ca 315.887†	2014035.9	1901312.0	65.28 mg/L	65.28 mg/L	22:18:13
2	Cd 228.802†	52.4	-3.9	-0.0005 mg/L	-0.0005 mg/L	22:18:26
2	Co 228.616†	-3.3	31.2	0.0032 mg/L	0.0032 mg/L	22:18:26
2	Cr 267.716†	394.9	-46.8	-0.0018 mg/L	-0.0018 mg/L	22:18:15
2	Cu 324.752†	1772.7	-189.7	0.0011 mg/L	0.0011 mg/L	22:18:15
2	Fe 238.204†	109199.7	102957.8	2.861 mg/L	2.861 mg/L	22:18:15
2	Mg 279.077†	80447.0	75723.3	16.49 mg/L	16.49 mg/L	22:18:15
2	Mn 257.610†	182577.7	172018.7	0.8901 mg/L	0.8901 mg/L	22:18:13
2	Mo 202.031†	64.5	65.9	0.0155 mg/L	0.0155 mg/L	22:18:26
2	Ni 231.604†	36.9	43.9	0.0036 mg/L	0.0036 mg/L	22:18:26
2	P 214.914†	229.7	38.4	0.0336 mg/L	0.0336 mg/L	22:18:26
2	Pb 220.353†	-34.2	-16.7	-0.0056 mg/L	-0.0056 mg/L	22:18:26
2	Sb 206.836†	22.1	1.3	0.0029 mg/L	0.0029 mg/L	22:18:26
2	Se 196.026†	-5.1	-6.8	-0.0060 mg/L	-0.0060 mg/L	22:18:26
2	Sn 189.927†	-155.6	-142.3	-0.1195 mg/L	-0.1195 mg/L	22:18:26
2	Ti 337.279†	-462.2	137.6	0.0006 mg/L	0.0006 mg/L	22:18:15
2	Tl 190.801†	8.1	3.9	0.0193 mg/L	0.0193 mg/L	22:18:26
2	V 292.402†	-595.1	233.9	0.0034 mg/L	0.0034 mg/L	22:18:15
2	Zn 213.857†	2748.5	2044.0	0.0458 mg/L	0.0458 mg/L	22:18:26

Mean Data: 1210169-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	656514.9	1.06	mg/L	0.003				0.28%
Ag 328.068†	-115.6	-0.0026	mg/L	0.00050	-0.0026	mg/L	0.00050	19.34%
Al 237.313†	42.3	0.0102	mg/L	0.00070	0.0102	mg/L	0.00070	6.87%
As 188.979†	-5.8	-0.0122	mg/L	0.00747	-0.0122	mg/L	0.00747	61.07%
B 182.528†	30.9	0.1001	mg/L	0.00079	0.1001	mg/L	0.00079	0.79%
B 249.677†	219.2	0.1280	mg/L	0.00104	0.1280	mg/L	0.00104	0.81%
Ba 233.527†	2764.1	0.1676	mg/L	0.00029	0.1676	mg/L	0.00029	0.17%
Be 313.107†	73.2	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	67.09%
Ca 315.887†	1903303.4	65.35	mg/L	0.097	65.35	mg/L	0.097	0.15%
Cd 228.802†	-1.8	-0.0003	mg/L	0.00025	-0.0003	mg/L	0.00025	85.48%
Co 228.616†	28.3	0.0030	mg/L	0.00032	0.0030	mg/L	0.00032	10.68%
Cr 267.716†	-27.9	-0.0011	mg/L	0.00101	-0.0011	mg/L	0.00101	93.10%
Cu 324.752†	-155.9	0.0016	mg/L	0.00065	0.0016	mg/L	0.00065	40.77%
Fe 234.349†	3238.3	2.614	mg/L	0.0243	2.614	mg/L	0.0243	0.93%
Fe 238.204†	103304.9	2.870	mg/L	0.0136	2.870	mg/L	0.0136	0.47%
K 766.490†	14003.7	7.282	mg/L	0.0479	7.282	mg/L	0.0479	0.66%
Li 670.784†	182.5	0.0002	mg/L	0.00082	0.0002	mg/L	0.00082	470.98%
Mg 279.077†	75989.0	16.54	mg/L	0.082	16.54	mg/L	0.082	0.49%
Mn 257.610†	172282.5	0.8915	mg/L	0.00193	0.8915	mg/L	0.00193	0.22%
Mo 202.031†	73.6	0.0173	mg/L	0.00245	0.0173	mg/L	0.00245	14.20%
Na 589.592†	406863.7	71.47	mg/L	0.144	71.47	mg/L	0.144	0.20%
Ni 231.604†	35.5	0.0028	mg/L	0.00118	0.0028	mg/L	0.00118	42.84%
P 214.914†	38.8	0.0339	mg/L	0.00046	0.0339	mg/L	0.00046	1.36%
Pb 220.353†	-11.4	-0.0036	mg/L	0.00275	-0.0036	mg/L	0.00275	75.90%
Sb 206.836†	5.7	0.0119	mg/L	0.01271	0.0119	mg/L	0.01271	106.64%
Se 196.026†	-5.3	-0.0036	mg/L	0.00331	-0.0036	mg/L	0.00331	91.29%
Sn 189.927†	-151.8	-0.1280	mg/L	0.01206	-0.1280	mg/L	0.01206	9.42%
Sr 407.771†	342618.1	0.3802	mg/L	0.00133	0.3802	mg/L	0.00133	0.35%
Ti 337.279†	115.3	0.0004	mg/L	0.00017	0.0004	mg/L	0.00017	38.19%
Tl 190.801†	2.6	0.0144	mg/L	0.00685	0.0144	mg/L	0.00685	47.48%
V 292.402†	149.0	0.0017	mg/L	0.00248	0.0017	mg/L	0.00248	147.89%
Zn 213.857†	2052.8	0.0460	mg/L	0.00029	0.0460	mg/L	0.00029	0.63%

Sample ID: 1210175-01
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/9/2012 10:20:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210175-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	72.4	72.4	0.0420	mg/L	0.0420	mg/L	22:21:59
1	Fe 234.349†	747.8	706.1	0.5604	mg/L	0.5604	mg/L	22:21:59
1	K 766.490†	5790.4	5376.2	2.706	mg/L	2.706	mg/L	22:21:49
1	Li 670.784†	233.5	361.6	0.0053	mg/L	0.0053	mg/L	22:21:49
1	Na 589.592†	306341.8	291954.7	51.21	mg/L	51.21	mg/L	22:21:49
1	Sr 407.771†	64061.5	60850.4	0.0674	mg/L	0.0674	mg/L	22:21:49
1	Y 371.029	652596.4	652596.4	1.05	mg/L			22:22:15
1	Ag 328.068†	1414.4	-88.9	-0.0022	mg/L	-0.0022	mg/L	22:22:15
1	Al 237.313†	1147.3	1250.2	0.4679	mg/L	0.4679	mg/L	22:22:25
1	As 188.979†	6.0	0.5	0.0014	mg/L	0.0014	mg/L	22:22:25
1	B 182.528†	-1.2	4.4	0.0168	mg/L	0.0168	mg/L	22:22:25
1	Ba 233.527†	1215.9	1207.0	0.0736	mg/L	0.0736	mg/L	22:22:25
1	Be 313.107†	-63.3	336.2	0.0003	mg/L	0.0003	mg/L	22:22:15
1	Ca 315.887†	444061.2	423301.5	14.54	mg/L	14.54	mg/L	22:22:15
1	Cd 228.802†	137.9	77.8	0.0070	mg/L	0.0070	mg/L	22:22:25
1	Co 228.616†	33.2	65.8	0.0060	mg/L	0.0060	mg/L	22:22:25
1	Cr 267.716†	16031.2	14828.1	0.5606	mg/L	0.5606	mg/L	22:22:15
1	Cu 324.752†	10808.9	8418.2	0.1189	mg/L	0.1189	mg/L	22:22:15
1	Fe 238.204†	22657.0	21470.8	0.5967	mg/L	0.5967	mg/L	22:22:15
1	Mg 279.077†	13045.8	12224.8	2.678	mg/L	2.678	mg/L	22:22:15
1	Mn 257.610†	114513.3	108661.1	0.5623	mg/L	0.5623	mg/L	22:22:15
1	Mo 202.031†	21.6	25.6	0.0069	mg/L	0.0069	mg/L	22:22:25
1	Ni 231.604†	1995.6	1907.2	0.1896	mg/L	0.1896	mg/L	22:22:25
1	P 214.914†	232.0	42.3	0.0302	mg/L	0.0302	mg/L	22:22:25
1	Pb 220.353†	-23.1	-6.3	-0.0023	mg/L	-0.0023	mg/L	22:22:25
1	Sb 206.836†	26.9	6.0	0.0134	mg/L	0.0134	mg/L	22:22:25
1	Se 196.026†	-1.5	-3.4	-0.0018	mg/L	-0.0018	mg/L	22:22:25
1	Sn 189.927†	-53.4	-46.2	-0.0394	mg/L	-0.0394	mg/L	22:22:25
1	Ti 337.279†	348.2	904.9	0.0047	mg/L	0.0047	mg/L	22:22:15
1	Tl 190.801†	4.2	0.3	0.0076	mg/L	0.0076	mg/L	22:22:25
1	V 292.402†	-876.6	-38.3	0.0015	mg/L	0.0015	mg/L	22:22:15
1	Zn 213.857†	14895.4	13617.8	0.3082	mg/L	0.3082	mg/L	22:22:15
2	B 249.677†	76.0	75.7	0.0439	mg/L	0.0439	mg/L	22:22:11
2	Fe 234.349†	770.9	726.7	0.5774	mg/L	0.5774	mg/L	22:22:11
2	K 766.490†	5571.9	5158.2	2.590	mg/L	2.590	mg/L	22:22:01
2	Li 670.784†	178.5	309.0	0.0038	mg/L	0.0038	mg/L	22:22:01
2	Na 589.592†	298495.3	283950.7	49.80	mg/L	49.80	mg/L	22:22:01
2	Sr 407.771†	61880.4	58663.7	0.0649	mg/L	0.0649	mg/L	22:22:01
2	Y 371.029	653842.6	653842.6	1.05	mg/L			22:22:28
2	Ag 328.068†	1435.2	-71.8	-0.0018	mg/L	-0.0018	mg/L	22:22:28
2	Al 237.313†	1122.9	1224.9	0.4584	mg/L	0.4584	mg/L	22:22:38
2	As 188.979†	-1.1	-6.2	-0.0140	mg/L	-0.0140	mg/L	22:22:38
2	B 182.528†	-0.2	5.4	0.0197	mg/L	0.0197	mg/L	22:22:38
2	Ba 233.527†	1223.6	1212.1	0.0739	mg/L	0.0739	mg/L	22:22:38
2	Be 313.107†	-130.8	272.3	0.0002	mg/L	0.0002	mg/L	22:22:28
2	Ca 315.887†	449285.1	427455.6	14.68	mg/L	14.68	mg/L	22:22:28
2	Cd 228.802†	137.1	76.8	0.0069	mg/L	0.0069	mg/L	22:22:38
2	Co 228.616†	34.1	66.6	0.0060	mg/L	0.0060	mg/L	22:22:38
2	Cr 267.716†	16115.9	14879.4	0.5625	mg/L	0.5625	mg/L	22:22:28
2	Cu 324.752†	10842.1	8430.1	0.1191	mg/L	0.1191	mg/L	22:22:28
2	Fe 238.204†	22731.9	21500.9	0.5976	mg/L	0.5976	mg/L	22:22:28
2	Mg 279.077†	13154.6	12304.5	2.695	mg/L	2.695	mg/L	22:22:28
2	Mn 257.610†	115659.7	109541.8	0.5668	mg/L	0.5668	mg/L	22:22:28
2	Mo 202.031†	17.2	21.4	0.0060	mg/L	0.0060	mg/L	22:22:38
2	Ni 231.604†	1973.7	1882.8	0.1871	mg/L	0.1871	mg/L	22:22:38
2	P 214.914†	206.1	17.3	0.0068	mg/L	0.0068	mg/L	22:22:38
2	Pb 220.353†	-26.9	-9.9	-0.0036	mg/L	-0.0036	mg/L	22:22:38
2	Sb 206.836†	27.5	6.5	0.0145	mg/L	0.0145	mg/L	22:22:38
2	Se 196.026†	4.8	2.5	0.0071	mg/L	0.0071	mg/L	22:22:38
2	Sn 189.927†	-72.5	-64.3	-0.0555	mg/L	-0.0555	mg/L	22:22:38
2	Ti 337.279†	285.9	845.1	0.0044	mg/L	0.0044	mg/L	22:22:28
2	Tl 190.801†	2.7	-1.1	0.0025	mg/L	0.0025	mg/L	22:22:38
2	V 292.402†	-804.8	31.4	0.0029	mg/L	0.0029	mg/L	22:22:28
2	Zn 213.857†	14916.6	13611.0	0.3081	mg/L	0.3081	mg/L	22:22:28

 Mean Data: 1210175-01

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	653219.5	1.05	mg/L	0.001				0.13%
Ag 328.068†	-80.4	-0.0020	mg/L	0.00024	-0.0020	mg/L	0.00024	12.10%
Al 237.313†	1237.5	0.4631	mg/L	0.00672	0.4631	mg/L	0.00672	1.45%
As 188.979†	-2.9	-0.0063	mg/L	0.01085	-0.0063	mg/L	0.01085	171.78%
B 182.528†	4.9	0.0182	mg/L	0.00209	0.0182	mg/L	0.00209	11.44%
B 249.677†	74.1	0.0430	mg/L	0.00137	0.0430	mg/L	0.00137	3.19%
Ba 233.527†	1209.6	0.0738	mg/L	0.00022	0.0738	mg/L	0.00022	0.29%
Be 313.107†	304.3	0.0002	mg/L	0.00005	0.0002	mg/L	0.00005	20.74%
Ca 315.887†	425378.5	14.61	mg/L	0.101	14.61	mg/L	0.101	0.69%
Cd 228.802†	77.3	0.0070	mg/L	0.00002	0.0070	mg/L	0.00002	0.30%
Co 228.616†	66.2	0.0060	mg/L	0.00004	0.0060	mg/L	0.00004	0.74%
Cr 267.716†	14853.8	0.5616	mg/L	0.00137	0.5616	mg/L	0.00137	0.24%
Cu 324.752†	8424.1	0.1190	mg/L	0.00011	0.1190	mg/L	0.00011	0.10%
Fe 234.349†	716.4	0.5689	mg/L	0.01199	0.5689	mg/L	0.01199	2.11%
Fe 238.204†	21485.8	0.5972	mg/L	0.00059	0.5972	mg/L	0.00059	0.10%
K 766.490†	5267.2	2.648	mg/L	0.0818	2.648	mg/L	0.0818	3.09%
Li 670.784†	335.3	0.0045	mg/L	0.00107	0.0045	mg/L	0.00107	23.44%
Mg 279.077†	12264.6	2.686	mg/L	0.0123	2.686	mg/L	0.0123	0.46%
Mn 257.610†	109101.5	0.5645	mg/L	0.00322	0.5645	mg/L	0.00322	0.57%
Mo 202.031†	23.5	0.0064	mg/L	0.00069	0.0064	mg/L	0.00069	10.67%
Na 589.592†	287952.7	50.51	mg/L	0.998	50.51	mg/L	0.998	1.98%
Ni 231.604†	1895.0	0.1883	mg/L	0.00172	0.1883	mg/L	0.00172	0.91%
P 214.914†	29.8	0.0185	mg/L	0.01657	0.0185	mg/L	0.01657	89.68%
Pb 220.353†	-8.1	-0.0029	mg/L	0.00093	-0.0029	mg/L	0.00093	31.97%
Sb 206.836†	6.3	0.0139	mg/L	0.00076	0.0139	mg/L	0.00076	5.43%
Se 196.026†	-0.5	0.0027	mg/L	0.00629	0.0027	mg/L	0.00629	233.78%
Sn 189.927†	-55.3	-0.0474	mg/L	0.01144	-0.0474	mg/L	0.01144	24.12%
Sr 407.771†	59757.0	0.0662	mg/L	0.00172	0.0662	mg/L	0.00172	2.60%
Ti 337.279†	875.0	0.0045	mg/L	0.00023	0.0045	mg/L	0.00023	5.02%
Tl 190.801†	-0.4	0.0050	mg/L	0.00358	0.0050	mg/L	0.00358	71.23%
V 292.402†	-3.4	0.0022	mg/L	0.00103	0.0022	mg/L	0.00103	46.95%
Zn 213.857†	13614.4	0.3081	mg/L	0.00010	0.3081	mg/L	0.00010	0.03%

Sequence No.: 20

Sample ID: 1210175-02

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 22

Date Collected: 10/9/2012 10:24:18 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

 Replicate Data: 1210175-02

Repl#	Analyte	Net		Calib. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	183.0	180.6	0.1054	mg/L	0.1054	mg/L	22:26:09
1	Fe 234.349†	7664.6	7410.7	6.086	mg/L	6.086	mg/L	22:26:09
1	K 766.490†	7198.2	6833.3	3.479	mg/L	3.479	mg/L	22:25:59
1	Li 670.784†	521.4	644.0	0.0134	mg/L	0.0134	mg/L	22:25:59
1	Na 589.592†	59679.3	58329.9	10.03	mg/L	10.03	mg/L	22:25:59
1	Sr 407.771†	71918.6	69504.2	0.0770	mg/L	0.0770	mg/L	22:25:59
1	Y 371.029	641521.8	641521.8	1.03	mg/L			22:26:26
1	Ag 328.068†	1431.6	-49.1	-0.0010	mg/L	-0.0010	mg/L	22:26:28
1	Al 237.313†	104.4	260.0	0.0920	mg/L	0.0920	mg/L	22:26:28
1	As 188.979†	4.3	-1.1	0.0002	mg/L	0.0002	mg/L	22:26:38
1	B 182.528†	22.8	27.6	0.0898	mg/L	0.0898	mg/L	22:26:38
1	Ba 233.527†	132.3	178.5	0.0115	mg/L	0.0115	mg/L	22:26:38
1	Be 313.107†	-220.3	183.3	0.0000	mg/L	0.0000	mg/L	22:26:28
1	Ca 315.887†	1358362.4	1315211.1	45.16	mg/L	45.16	mg/L	22:26:26
1	Cd 228.802†	53.1	-2.0	-0.0004	mg/L	-0.0004	mg/L	22:26:38
1	Co 228.616†	-29.4	5.8	0.0012	mg/L	0.0012	mg/L	22:26:38
1	Cr 267.716†	397.4	-34.9	-0.0013	mg/L	-0.0013	mg/L	22:26:28
1	Cu 324.752†	1905.0	-19.2	0.0035	mg/L	0.0035	mg/L	22:26:28
1	Fe 238.204†	244068.1	236065.8	6.559	mg/L	6.559	mg/L	22:26:26
1	Mg 279.077†	16831.2	16101.5	3.519	mg/L	3.519	mg/L	22:26:28
1	Mn 257.610†	14407.0	13684.9	0.0708	mg/L	0.0708	mg/L	22:26:28
1	Mo 202.031†	121.8	122.9	0.0274	mg/L	0.0274	mg/L	22:26:38
1	Ni 231.604†	4.7	13.7	0.0006	mg/L	0.0006	mg/L	22:26:38
1	P 214.914†	223.8	38.2	0.0414	mg/L	0.0414	mg/L	22:26:38

1	Pb 220.353†	-40.1	-23.2	-0.0079	mg/L	-0.0079	mg/L	22:26:38
1	Sb 206.836†	22.3	2.0	0.0028	mg/L	0.0028	mg/L	22:26:38
1	Se 196.026†	-8.1	-9.9	-0.0091	mg/L	-0.0091	mg/L	22:26:38
1	Sn 189.927†	-126.1	-117.4	-0.0870	mg/L	-0.0870	mg/L	22:26:38
1	Ti 337.279†	400.0	960.7	0.0050	mg/L	0.0050	mg/L	22:26:28
1	Tl 190.801†	7.4	3.5	0.0159	mg/L	0.0159	mg/L	22:26:38
1	V 292.402†	-549.1	264.2	0.0035	mg/L	0.0035	mg/L	22:26:28
1	Zn 213.857†	853.2	276.0	0.0056	mg/L	0.0056	mg/L	22:26:38
2	B 249.677†	186.3	180.2	0.1051	mg/L	0.1051	mg/L	22:26:22
2	Fe 234.349†	7743.6	7334.8	6.024	mg/L	6.024	mg/L	22:26:22
2	K 766.490†	7308.8	6796.5	3.459	mg/L	3.459	mg/L	22:26:11
2	Li 670.784†	546.4	657.4	0.0138	mg/L	0.0138	mg/L	22:26:11
2	Na 589.592†	60342.0	57783.9	9.939	mg/L	9.939	mg/L	22:26:11
2	Sr 407.771†	72595.5	68730.8	0.0761	mg/L	0.0761	mg/L	22:26:11
2	Y 371.029	654838.6	654838.6	1.06	mg/L			22:26:40
2	Ag 328.068†	1346.1	-158.3	-0.0032	mg/L	-0.0032	mg/L	22:26:43
2	Al 237.313†	173.8	323.6	0.1160	mg/L	0.1160	mg/L	22:26:43
2	As 188.979†	-2.0	-7.1	-0.0136	mg/L	-0.0136	mg/L	22:26:53
2	B 182.528†	25.2	29.4	0.0954	mg/L	0.0954	mg/L	22:26:53
2	Ba 233.527†	120.7	164.9	0.0107	mg/L	0.0107	mg/L	22:26:53
2	Be 313.107†	-316.1	96.9	0.0000	mg/L	0.0000	mg/L	22:26:43
2	Ca 315.887†	1356220.2	1286453.8	44.17	mg/L	44.17	mg/L	22:26:40
2	Cd 228.802†	56.9	0.6	-0.0001	mg/L	-0.0001	mg/L	22:26:53
2	Co 228.616†	-40.8	-4.4	0.0004	mg/L	0.0004	mg/L	22:26:53
2	Cr 267.716†	449.8	6.9	0.0002	mg/L	0.0002	mg/L	22:26:43
2	Cu 324.752†	1979.7	14.1	0.0039	mg/L	0.0039	mg/L	22:26:43
2	Fe 238.204†	243242.2	230480.7	6.404	mg/L	6.404	mg/L	22:26:40
2	Mg 279.077†	16289.1	15256.5	3.335	mg/L	3.335	mg/L	22:26:43
2	Mn 257.610†	13889.2	12910.6	0.0668	mg/L	0.0668	mg/L	22:26:43
2	Mo 202.031†	127.9	126.3	0.0282	mg/L	0.0282	mg/L	22:26:53
2	Ni 231.604†	6.4	15.2	0.0008	mg/L	0.0008	mg/L	22:26:53
2	P 214.914†	231.9	41.5	0.0444	mg/L	0.0444	mg/L	22:26:53
2	Pb 220.353†	-27.5	-10.4	-0.0033	mg/L	-0.0033	mg/L	22:26:53
2	Sb 206.836†	27.9	6.8	0.0127	mg/L	0.0127	mg/L	22:26:53
2	Se 196.026†	-3.0	-4.9	-0.0016	mg/L	-0.0016	mg/L	22:26:53
2	Sn 189.927†	-134.2	-122.6	-0.0919	mg/L	-0.0919	mg/L	22:26:53
2	Ti 337.279†	291.0	849.6	0.0044	mg/L	0.0044	mg/L	22:26:43
2	Tl 190.801†	2.2	-1.6	-0.0022	mg/L	-0.0022	mg/L	22:26:53
2	V 292.402†	-609.5	217.7	0.0026	mg/L	0.0026	mg/L	22:26:43
2	Zn 213.857†	843.4	250.1	0.0050	mg/L	0.0050	mg/L	22:26:53

Mean Data: 1210175-02

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	648180.2	1.04	mg/L	0.015				1.45%
Ag 328.068†	-103.7	-0.0021	mg/L	0.00156	-0.0021	mg/L	0.00156	75.32%
Al 237.313†	291.8	0.1040	mg/L	0.01693	0.1040	mg/L	0.01693	16.27%
As 188.979†	-4.1	-0.0067	mg/L	0.00979	-0.0067	mg/L	0.00979	146.04%
B 182.528†	28.5	0.0926	mg/L	0.00397	0.0926	mg/L	0.00397	4.28%
B 249.677†	180.4	0.1053	mg/L	0.00019	0.1053	mg/L	0.00019	0.18%
Ba 233.527†	171.7	0.0111	mg/L	0.00058	0.0111	mg/L	0.00058	5.24%
Be 313.107†	140.1	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	>999.9%
Ca 315.887†	1300832.4	44.66	mg/L	0.698	44.66	mg/L	0.698	1.56%
Cd 228.802†	-0.7	-0.0002	mg/L	0.00021	-0.0002	mg/L	0.00021	97.63%
Co 228.616†	0.7	0.0008	mg/L	0.00058	0.0008	mg/L	0.00058	70.05%
Cr 267.716†	-14.0	-0.0005	mg/L	0.00112	-0.0005	mg/L	0.00112	205.80%
Cu 324.752†	-2.6	0.0037	mg/L	0.00032	0.0037	mg/L	0.00032	8.68%
Fe 234.349†	7372.7	6.055	mg/L	0.0438	6.055	mg/L	0.0438	0.72%
Fe 238.204†	233273.3	6.481	mg/L	0.1097	6.481	mg/L	0.1097	1.69%
K 766.490†	6814.9	3.469	mg/L	0.0138	3.469	mg/L	0.0138	0.40%
Li 670.784†	650.7	0.0136	mg/L	0.00027	0.0136	mg/L	0.00027	2.01%
Mg 279.077†	15679.0	3.427	mg/L	0.1299	3.427	mg/L	0.1299	3.79%
Mn 257.610†	13297.8	0.0688	mg/L	0.00283	0.0688	mg/L	0.00283	4.12%
Mo 202.031†	124.6	0.0278	mg/L	0.00055	0.0278	mg/L	0.00055	1.98%
Na 589.592†	58056.9	9.987	mg/L	0.0681	9.987	mg/L	0.0681	0.68%
Ni 231.604†	14.4	0.0007	mg/L	0.00011	0.0007	mg/L	0.00011	16.00%
P 214.914†	39.9	0.0429	mg/L	0.00209	0.0429	mg/L	0.00209	4.88%
Pb 220.353†	-16.8	-0.0056	mg/L	0.00330	-0.0056	mg/L	0.00330	58.99%
Sb 206.836†	4.4	0.0077	mg/L	0.00695	0.0077	mg/L	0.00695	89.79%
Se 196.026†	-7.4	-0.0054	mg/L	0.00529	-0.0054	mg/L	0.00529	98.26%
Sn 189.927†	-120.0	-0.0894	mg/L	0.00342	-0.0894	mg/L	0.00342	3.82%
Sr 407.771†	69117.5	0.0766	mg/L	0.00061	0.0766	mg/L	0.00061	0.79%

Ti 337.279†	905.2	0.0047 mg/L	0.00042	0.0047 mg/L	0.00042	9.01%
Tl 190.801†	1.0	0.0068 mg/L	0.01279	0.0068 mg/L	0.01279	186.94%
V 292.402†	240.9	0.0030 mg/L	0.00067	0.0030 mg/L	0.00067	21.97%
Zn 213.857†	263.1	0.0053 mg/L	0.00042	0.0053 mg/L	0.00042	7.97%

Sequence No.: 21
Sample ID: 1210175-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 10/9/2012 10:28:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210175-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	B 249.677†	1018.3	940.8	0.5507	mg/L	0.5507	mg/L	22:30:25
1	Fe 234.349†	28176.8	25930.6	21.29	mg/L	21.29	mg/L	22:30:25
1	K 766.490†	17739.5	16197.4	8.446	mg/L	8.446	mg/L	22:30:15
1	Li 670.784†	1470.4	1493.0	0.0377	mg/L	0.0377	mg/L	22:30:25
1	Na 589.592†	554606.5	511083.5	89.84	mg/L	89.84	mg/L	22:30:15
1	Sr 407.771†	305287.5	280926.6	0.3117	mg/L	0.3117	mg/L	22:30:15
1	Y 371.029	674328.1	674328.1	1.09	mg/L			22:30:42
1	Ag 328.068†	1242.0	-291.0	-0.0046	mg/L	-0.0046	mg/L	22:30:45
1	Al 237.313†	217.9	359.5	0.1296	mg/L	0.1296	mg/L	22:30:45
1	As 188.979†	-5.1	-9.9	-0.0137	mg/L	-0.0137	mg/L	22:30:55
1	B 182.528†	170.4	162.4	0.5138	mg/L	0.5138	mg/L	22:30:55
1	Ba 233.527†	678.8	675.3	0.0415	mg/L	0.0415	mg/L	22:30:55
1	Be 313.107†	-380.7	46.0	-0.0001	mg/L	-0.0001	mg/L	22:30:45
1	Ca 315.887†	5978475.4	5503920.3	189.0	mg/L	189.0	mg/L	22:30:42
1	Cd 228.802†	55.7	-2.1	-0.0003	mg/L	-0.0003	mg/L	22:30:55
1	Co 228.616†	400.6	403.0	0.0328	mg/L	0.0328	mg/L	22:30:55
1	Cr 267.716†	431.8	-22.0	-0.0008	mg/L	-0.0008	mg/L	22:30:45
1	Cu 324.752†	1803.9	-202.0	0.0010	mg/L	0.0010	mg/L	22:30:45
1	Fe 238.204†	937256.5	862632.4	23.97	mg/L	23.97	mg/L	22:30:42
1	Mg 279.077†	45479.2	41678.7	9.088	mg/L	9.088	mg/L	22:30:45
1	Mn 257.610†	460367.8	423497.8	2.191	mg/L	2.191	mg/L	22:30:42
1	Mo 202.031†	143.2	136.8	0.0258	mg/L	0.0258	mg/L	22:30:55
1	Ni 231.604†	410.5	386.9	0.0379	mg/L	0.0379	mg/L	22:30:55
1	P 214.914†	467.0	251.5	0.2781	mg/L	0.2781	mg/L	22:30:55
1	Pb 220.353†	-58.9	-38.6	-0.0136	mg/L	-0.0136	mg/L	22:30:55
1	Sb 206.836†	32.9	10.7	0.0137	mg/L	0.0137	mg/L	22:30:55
1	Se 196.026†	-8.9	-10.2	-0.0030	mg/L	-0.0030	mg/L	22:30:55
1	Sn 189.927†	-257.3	-232.3	-0.1453	mg/L	-0.1453	mg/L	22:30:55
1	Ti 337.279†	-38.2	538.6	0.0027	mg/L	0.0027	mg/L	22:30:45
1	Tl 190.801†	16.0	11.0	0.0335	mg/L	0.0335	mg/L	22:30:55
1	V 292.402†	-318.5	502.3	0.0056	mg/L	0.0056	mg/L	22:30:45
1	Zn 213.857†	981.5	354.0	0.0071	mg/L	0.0071	mg/L	22:30:55
2	B 249.677†	1024.1	939.2	0.5497	mg/L	0.5497	mg/L	22:30:38
2	Fe 234.349†	28228.0	25785.3	21.17	mg/L	21.17	mg/L	22:30:38
2	K 766.490†	17711.4	16050.9	8.368	mg/L	8.368	mg/L	22:30:27
2	Li 670.784†	1496.2	1506.5	0.0381	mg/L	0.0381	mg/L	22:30:38
2	Na 589.592†	554601.8	507299.4	89.17	mg/L	89.17	mg/L	22:30:27
2	Sr 407.771†	304052.5	277717.7	0.3082	mg/L	0.3082	mg/L	22:30:27
2	Y 371.029	679358.2	679358.2	1.09	mg/L			22:30:58
2	Ag 328.068†	1305.7	-241.3	-0.0037	mg/L	-0.0037	mg/L	22:31:00
2	Al 237.313†	244.3	382.1	0.1381	mg/L	0.1381	mg/L	22:31:00
2	As 188.979†	-6.6	-11.2	-0.0168	mg/L	-0.0168	mg/L	22:31:10
2	B 182.528†	175.6	166.0	0.5252	mg/L	0.5252	mg/L	22:31:10
2	Ba 233.527†	696.0	686.4	0.0422	mg/L	0.0422	mg/L	22:31:10
2	Be 313.107†	-389.1	40.9	-0.0001	mg/L	-0.0001	mg/L	22:31:00
2	Ca 315.887†	6044506.7	5523504.5	189.6	mg/L	189.6	mg/L	22:30:58
2	Cd 228.802†	54.0	-4.0	-0.0005	mg/L	-0.0005	mg/L	22:31:10
2	Co 228.616†	402.3	401.8	0.0327	mg/L	0.0327	mg/L	22:31:10
2	Cr 267.716†	419.9	-35.8	-0.0014	mg/L	-0.0014	mg/L	22:31:00
2	Cu 324.752†	1879.4	-145.2	0.0018	mg/L	0.0018	mg/L	22:31:00
2	Fe 238.204†	947501.4	865604.9	24.05	mg/L	24.05	mg/L	22:30:58
2	Mg 279.077†	46171.3	42001.1	9.158	mg/L	9.158	mg/L	22:31:00
2	Mn 257.610†	464865.4	424469.4	2.196	mg/L	2.196	mg/L	22:30:58
2	Mo 202.031†	139.8	132.8	0.0249	mg/L	0.0249	mg/L	22:31:10
2	Ni 231.604†	410.9	384.5	0.0376	mg/L	0.0376	mg/L	22:31:10
2	P 214.914†	486.3	266.0	0.2914	mg/L	0.2914	mg/L	22:31:10
2	Pb 220.353†	-70.0	-48.3	-0.0171	mg/L	-0.0171	mg/L	22:31:10

2	Sb 206.836†	30.1	7.9	0.0081 mg/L	0.0081 mg/L	22:31:10
2	Se 196.026†	-10.8	-11.9	-0.0057 mg/L	-0.0057 mg/L	22:31:10
2	Sn 189.927†	-271.6	-243.6	-0.1558 mg/L	-0.1558 mg/L	22:31:10
2	Ti 337.279†	-184.3	405.3	0.0020 mg/L	0.0020 mg/L	22:31:00
2	Tl 190.801†	14.3	9.4	0.0278 mg/L	0.0278 mg/L	22:31:10
2	V 292.402†	-381.1	447.3	0.0045 mg/L	0.0045 mg/L	22:31:00
2	Zn 213.857†	1013.0	376.2	0.0076 mg/L	0.0076 mg/L	22:31:10

Mean Data: 1210175-03

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	676843.2	1.09	mg/L	0.006				0.53%
Ag 328.068†	-266.2	-0.0042	mg/L	0.00070	-0.0042	mg/L	0.00070	16.87%
Al 237.313†	370.8	0.1338	mg/L	0.00602	0.1338	mg/L	0.00602	4.50%
As 188.979†	-10.6	-0.0153	mg/L	0.00218	-0.0153	mg/L	0.00218	14.30%
B 182.528†	164.2	0.5195	mg/L	0.00801	0.5195	mg/L	0.00801	1.54%
B 249.677†	940.0	0.5502	mg/L	0.00068	0.5502	mg/L	0.00068	0.12%
Ba 233.527†	680.9	0.0418	mg/L	0.00047	0.0418	mg/L	0.00047	1.14%
Be 313.107†	43.5	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	3.77%
Ca 315.887†	5513712.4	189.3	mg/L	0.48	189.3	mg/L	0.48	0.25%
Cd 228.802†	-3.1	-0.0004	mg/L	0.00012	-0.0004	mg/L	0.00012	32.13%
Co 228.616†	402.4	0.0328	mg/L	0.00007	0.0328	mg/L	0.00007	0.20%
Cr 267.716†	-28.9	-0.0011	mg/L	0.00037	-0.0011	mg/L	0.00037	33.40%
Cu 324.752†	-173.6	0.0014	mg/L	0.00055	0.0014	mg/L	0.00055	40.26%
Fe 234.349†	25858.0	21.23	mg/L	0.085	21.23	mg/L	0.085	0.40%
Fe 238.204†	864118.7	24.01	mg/L	0.058	24.01	mg/L	0.058	0.24%
K 766.490†	16124.1	8.407	mg/L	0.0550	8.407	mg/L	0.0550	0.65%
Li 670.784†	1499.8	0.0379	mg/L	0.00027	0.0379	mg/L	0.00027	0.72%
Mg 279.077†	41839.9	9.123	mg/L	0.0496	9.123	mg/L	0.0496	0.54%
Mn 257.610†	423983.6	2.194	mg/L	0.0036	2.194	mg/L	0.0036	0.16%
Mo 202.031†	134.8	0.0254	mg/L	0.00062	0.0254	mg/L	0.00062	2.45%
Na 589.592†	509191.5	89.50	mg/L	0.472	89.50	mg/L	0.472	0.53%
Ni 231.604†	385.7	0.0377	mg/L	0.00017	0.0377	mg/L	0.00017	0.45%
P 214.914†	258.8	0.2847	mg/L	0.00944	0.2847	mg/L	0.00944	3.31%
Pb 220.353†	-43.5	-0.0154	mg/L	0.00250	-0.0154	mg/L	0.00250	16.30%
Sb 206.836†	9.3	0.0109	mg/L	0.00397	0.0109	mg/L	0.00397	36.28%
Se 196.026†	-11.0	-0.0043	mg/L	0.00188	-0.0043	mg/L	0.00188	43.53%
Sn 189.927†	-237.9	-0.1506	mg/L	0.00739	-0.1506	mg/L	0.00739	4.91%
Sr 407.771†	279322.2	0.3100	mg/L	0.00252	0.3100	mg/L	0.00252	0.81%
Ti 337.279†	471.9	0.0024	mg/L	0.00051	0.0024	mg/L	0.00051	21.45%
Tl 190.801†	10.2	0.0307	mg/L	0.00405	0.0307	mg/L	0.00405	13.21%
V 292.402†	474.8	0.0050	mg/L	0.00080	0.0050	mg/L	0.00080	15.94%
Zn 213.857†	365.1	0.0074	mg/L	0.00036	0.0074	mg/L	0.00036	4.83%

Sequence No.: 22

Sample ID: 1210175-04

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 24

Date Collected: 10/9/2012 10:32:51 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210175-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	285.6	275.1	0.1607	mg/L	0.1607	mg/L	22:34:39
1	Fe 234.349†	84.5	75.2	0.0189	mg/L	0.0189	mg/L	22:34:39
1	K 766.490†	6118.6	5687.7	2.871	mg/L	2.871	mg/L	22:34:29
1	Li 670.784†	112.7	246.7	0.0020	mg/L	0.0020	mg/L	22:34:29
1	Na 589.592†	181243.7	172953.8	30.24	mg/L	30.24	mg/L	22:34:29
1	Sr 407.771†	47555.5	45146.6	0.0499	mg/L	0.0499	mg/L	22:34:29
1	Y 371.029	652664.9	652664.9	1.05	mg/L			22:34:55
1	Ag 328.068†	1405.0	-98.1	-0.0024	mg/L	-0.0024	mg/L	22:34:58
1	Al 237.313†	463.9	600.1	0.2353	mg/L	0.2353	mg/L	22:35:08
1	As 188.979†	1.7	-3.6	-0.0082	mg/L	-0.0082	mg/L	22:35:08
1	B 182.528†	41.6	45.1	0.1447	mg/L	0.1447	mg/L	22:35:08
1	Ba 233.527†	1852.8	1812.5	0.1102	mg/L	0.1102	mg/L	22:35:08
1	Be 313.107†	-418.1	-1.1	0.0001	mg/L	0.0001	mg/L	22:34:58
1	Ca 315.887†	669350.6	637511.1	21.89	mg/L	21.89	mg/L	22:34:55
1	Cd 228.802†	563.1	482.2	0.0443	mg/L	0.0443	mg/L	22:35:08
1	Co 228.616†	447.4	459.8	0.0373	mg/L	0.0373	mg/L	22:35:08
1	Cr 267.716†	67069.6	63364.9	2.396	mg/L	2.396	mg/L	22:34:58

1	Cu	324.752†	7658.5	5421.0	0.0779	mg/L	0.0779	mg/L	22:34:58
1	Fe	238.204†	724.0	609.9	0.0172	mg/L	0.0172	mg/L	22:35:08
1	Mg	279.077†	15570.6	14624.7	3.198	mg/L	3.198	mg/L	22:34:58
1	Mn	257.610†	27640.4	26032.2	0.1347	mg/L	0.1347	mg/L	22:34:58
1	Mo	202.031†	42.5	45.4	0.0116	mg/L	0.0116	mg/L	22:35:08
1	Ni	231.604†	11377.2	10829.0	1.080	mg/L	1.080	mg/L	22:34:58
1	P	214.914†	451.6	251.1	0.2259	mg/L	0.2259	mg/L	22:35:08
1	Pb	220.353†	3.0	18.5	0.0062	mg/L	0.0062	mg/L	22:35:08
1	Sb	206.836†	21.9	1.3	0.0039	mg/L	0.0039	mg/L	22:35:08
1	Se	196.026†	-1.2	-3.1	-0.0015	mg/L	-0.0015	mg/L	22:35:08
1	Sn	189.927†	-63.2	-55.5	-0.0492	mg/L	-0.0492	mg/L	22:35:08
1	Ti	337.279†	-597.1	5.8	-0.0001	mg/L	-0.0001	mg/L	22:34:58
1	Tl	190.801†	3.0	-0.8	0.0039	mg/L	0.0039	mg/L	22:35:08
1	V	292.402†	-1320.1	-460.0	0.0038	mg/L	0.0038	mg/L	22:34:58
1	Zn	213.857†	47633.2	44750.6	1.013	mg/L	1.013	mg/L	22:34:58
2	B	249.677†	280.9	264.9	0.1547	mg/L	0.1547	mg/L	22:34:52
2	Fe	234.349†	71.0	60.9	0.0076	mg/L	0.0076	mg/L	22:34:52
2	K	766.490†	6085.1	5529.8	2.787	mg/L	2.787	mg/L	22:34:42
2	Li	670.784†	133.0	263.3	0.0025	mg/L	0.0025	mg/L	22:34:42
2	Na	589.592†	180148.8	168181.0	29.40	mg/L	29.40	mg/L	22:34:42
2	Sr	407.771†	47272.1	43897.8	0.0486	mg/L	0.0486	mg/L	22:34:42
2	Y	371.029	667197.1	667197.1	1.07	mg/L			22:35:10
2	Ag	328.068†	1418.7	-114.4	-0.0027	mg/L	-0.0027	mg/L	22:35:12
2	Al	237.313†	425.6	554.9	0.2176	mg/L	0.2176	mg/L	22:35:22
2	As	188.979†	0.2	-5.0	-0.0115	mg/L	-0.0115	mg/L	22:35:22
2	B	182.528†	39.2	42.0	0.1350	mg/L	0.1350	mg/L	22:35:22
2	Ba	233.527†	1818.7	1742.5	0.1059	mg/L	0.1059	mg/L	22:35:22
2	Be	313.107†	-492.3	-61.5	0.0000	mg/L	0.0000	mg/L	22:35:12
2	Ca	315.887†	686282.0	639397.5	21.96	mg/L	21.96	mg/L	22:35:10
2	Cd	228.802†	555.0	462.9	0.0425	mg/L	0.0425	mg/L	22:35:22
2	Co	228.616†	451.1	453.9	0.0368	mg/L	0.0368	mg/L	22:35:22
2	Cr	267.716†	65569.5	60580.0	2.290	mg/L	2.290	mg/L	22:35:12
2	Cu	324.752†	7575.8	5185.4	0.0747	mg/L	0.0747	mg/L	22:35:12
2	Fe	238.204†	699.6	572.2	0.0161	mg/L	0.0161	mg/L	22:35:22
2	Mg	279.077†	15236.3	13991.1	3.060	mg/L	3.060	mg/L	22:35:12
2	Mn	257.610†	27153.6	25006.7	0.1294	mg/L	0.1294	mg/L	22:35:12
2	Mo	202.031†	34.7	37.3	0.0098	mg/L	0.0098	mg/L	22:35:22
2	Ni	231.604†	11163.7	10394.7	1.037	mg/L	1.037	mg/L	22:35:12
2	P	214.914†	422.5	214.8	0.1918	mg/L	0.1918	mg/L	22:35:22
2	Pb	220.353†	-32.1	-14.3	-0.0057	mg/L	-0.0057	mg/L	22:35:22
2	Sb	206.836†	19.5	-1.4	-0.0015	mg/L	-0.0015	mg/L	22:35:22
2	Se	196.026†	-0.6	-2.6	-0.0007	mg/L	-0.0007	mg/L	22:35:22
2	Sn	189.927†	-71.9	-62.3	-0.0553	mg/L	-0.0553	mg/L	22:35:22
2	Ti	337.279†	-553.9	58.4	0.0001	mg/L	0.0001	mg/L	22:35:12
2	Tl	190.801†	7.4	3.2	0.0180	mg/L	0.0180	mg/L	22:35:22
2	V	292.402†	-1312.8	-425.9	0.0039	mg/L	0.0039	mg/L	22:35:12
2	Zn	213.857†	46698.1	42893.9	0.9705	mg/L	0.9705	mg/L	22:35:12

Mean Data: 1210175-04

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	659931.0	1.06	mg/L	0.017				1.56%
Ag 328.068†	-106.3	-0.0026	mg/L	0.00023	-0.0026	mg/L	0.00023	9.00%
Al 237.313†	577.5	0.2264	mg/L	0.01250	0.2264	mg/L	0.01250	5.52%
As 188.979†	-4.3	-0.0098	mg/L	0.00230	-0.0098	mg/L	0.00230	23.43%
B 182.528†	43.6	0.1399	mg/L	0.00683	0.1399	mg/L	0.00683	4.89%
B 249.677†	270.0	0.1577	mg/L	0.00423	0.1577	mg/L	0.00423	2.68%
Ba 233.527†	1777.5	0.1081	mg/L	0.00299	0.1081	mg/L	0.00299	2.77%
Be 313.107†	-31.3	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	99.54%
Ca 315.887†	638454.3	21.93	mg/L	0.046	21.93	mg/L	0.046	0.21%
Cd 228.802†	472.6	0.0434	mg/L	0.00124	0.0434	mg/L	0.00124	2.86%
Co 228.616†	456.9	0.0371	mg/L	0.00033	0.0371	mg/L	0.00033	0.89%
Cr 267.716†	61972.5	2.343	mg/L	0.0745	2.343	mg/L	0.0745	3.18%
Cu 324.752†	5303.2	0.0763	mg/L	0.00228	0.0763	mg/L	0.00228	2.99%
Fe 234.349†	68.1	0.0132	mg/L	0.00798	0.0132	mg/L	0.00798	60.33%
Fe 238.204†	591.1	0.0166	mg/L	0.00074	0.0166	mg/L	0.00074	4.45%
K 766.490†	5608.8	2.829	mg/L	0.0592	2.829	mg/L	0.0592	2.09%
Li 670.784†	255.0	0.0023	mg/L	0.00033	0.0023	mg/L	0.00033	14.87%
Mg 279.077†	14307.9	3.129	mg/L	0.0974	3.129	mg/L	0.0974	3.11%
Mn 257.610†	25519.4	0.1320	mg/L	0.00375	0.1320	mg/L	0.00375	2.84%
Mo 202.031†	41.4	0.0107	mg/L	0.00130	0.0107	mg/L	0.00130	12.14%
Na 589.592†	170567.4	29.82	mg/L	0.595	29.82	mg/L	0.595	1.99%

Ni 231.604†	10611.9	1.058	mg/L	0.0307	1.058	mg/L	0.0307	2.90%
P 214.914†	233.0	0.2089	mg/L	0.02412	0.2089	mg/L	0.02412	11.55%
Pb 220.353†	2.1	0.0002	mg/L	0.00842	0.0002	mg/L	0.00842	>999.9%
Sb 206.836†	-0.1	0.0012	mg/L	0.00386	0.0012	mg/L	0.00386	322.41%
Se 196.026†	-2.8	-0.0011	mg/L	0.00060	-0.0011	mg/L	0.00060	53.62%
Sn 189.927†	-58.9	-0.0523	mg/L	0.00431	-0.0523	mg/L	0.00431	8.24%
Sr 407.771†	44522.2	0.0492	mg/L	0.00098	0.0492	mg/L	0.00098	1.99%
Ti 337.279†	32.1	0.0000	mg/L	0.00020	0.0000	mg/L	0.00020	>999.9%
Tl 190.801†	1.2	0.0110	mg/L	0.01002	0.0110	mg/L	0.01002	91.36%
V 292.402†	-443.0	0.0039	mg/L	0.00005	0.0039	mg/L	0.00005	1.26%
Zn 213.857†	43822.2	0.9915	mg/L	0.02973	0.9915	mg/L	0.02973	3.00%

Sequence No.: 23

Autosampler Location: 25
Date Collected: 10/9/2012 10:36:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Sample ID: CJ20903-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Replicate Data: CJ20903-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	288.7	264.0	0.1541	mg/L	0.1541	mg/L	22:38:48
1	Fe 234.349†	230.7	203.0	0.1238	mg/L	0.1238	mg/L	22:38:48
1	K 766.490†	6223.1	5481.4	2.762	mg/L	2.762	mg/L	22:38:38
1	Li 670.784†	92.2	222.6	0.0013	mg/L	0.0013	mg/L	22:38:38
1	Na 589.592†	181941.9	164679.3	28.78	mg/L	28.78	mg/L	22:38:38
1	Sr 407.771†	48100.8	43302.0	0.0479	mg/L	0.0479	mg/L	22:38:38
1	Y 371.029	688217.6	688217.6	1.11	mg/L			22:39:04
1	Ag 328.068†	1563.5	-24.1	-0.0009	mg/L	-0.0009	mg/L	22:39:06
1	Al 237.313†	441.8	557.4	0.2193	mg/L	0.2193	mg/L	22:39:16
1	As 188.979†	1.6	-3.8	-0.0085	mg/L	-0.0085	mg/L	22:39:16
1	B 182.528†	45.1	46.2	0.1483	mg/L	0.1483	mg/L	22:39:16
1	Ba 233.527†	1933.1	1793.9	0.1090	mg/L	0.1090	mg/L	22:39:16
1	Be 313.107†	-480.1	-36.6	0.0001	mg/L	0.0001	mg/L	22:39:06
1	Ca 315.887†	725684.7	655433.8	22.51	mg/L	22.51	mg/L	22:39:04
1	Cd 228.802†	583.3	472.7	0.0434	mg/L	0.0434	mg/L	22:39:16
1	Co 228.616†	468.9	457.2	0.0371	mg/L	0.0371	mg/L	22:39:16
1	Cr 267.716†	71469.0	64037.5	2.421	mg/L	2.421	mg/L	22:39:06
1	Cu 324.752†	8144.6	5483.2	0.0788	mg/L	0.0788	mg/L	22:39:06
1	Fe 238.204†	5727.4	5086.9	0.1415	mg/L	0.1415	mg/L	22:39:06
1	Mg 279.077†	16679.6	14859.9	3.249	mg/L	3.249	mg/L	22:39:06
1	Mn 257.610†	30110.8	26902.3	0.1392	mg/L	0.1392	mg/L	22:39:06
1	Mo 202.031†	34.9	36.5	0.0096	mg/L	0.0096	mg/L	22:39:16
1	Ni 231.604†	12191.1	11004.1	1.097	mg/L	1.097	mg/L	22:39:06
1	P 214.914†	470.8	246.3	0.2216	mg/L	0.2216	mg/L	22:39:16
1	Pb 220.353†	-23.6	-5.6	-0.0026	mg/L	-0.0026	mg/L	22:39:16
1	Sb 206.836†	20.8	-0.8	-0.0003	mg/L	-0.0003	mg/L	22:39:16
1	Se 196.026†	3.8	1.4	0.0053	mg/L	0.0053	mg/L	22:39:16
1	Sn 189.927†	-65.9	-54.9	-0.0483	mg/L	-0.0483	mg/L	22:39:16
1	Ti 337.279†	-533.9	92.2	0.0003	mg/L	0.0003	mg/L	22:39:06
1	Tl 190.801†	7.8	3.4	0.0187	mg/L	0.0187	mg/L	22:39:16
1	V 292.402†	-1413.2	-479.1	0.0035	mg/L	0.0035	mg/L	22:39:06
1	Zn 213.857†	50730.2	45203.6	1.023	mg/L	1.023	mg/L	22:39:06
2	B 249.677†	298.9	278.1	0.1624	mg/L	0.1624	mg/L	22:39:00
2	Fe 234.349†	246.2	221.0	0.1391	mg/L	0.1391	mg/L	22:39:00
2	K 766.490†	6263.9	5621.7	2.836	mg/L	2.836	mg/L	22:38:50
2	Li 670.784†	102.2	233.4	0.0016	mg/L	0.0016	mg/L	22:38:50
2	Na 589.592†	183693.4	169296.8	29.59	mg/L	29.59	mg/L	22:38:50
2	Sr 407.771†	48943.7	44871.6	0.0496	mg/L	0.0496	mg/L	22:38:50
2	Y 371.029	675824.9	675824.9	1.09	mg/L			22:39:19
2	Ag 328.068†	1439.9	-111.8	-0.0027	mg/L	-0.0027	mg/L	22:39:21
2	Al 237.313†	451.4	573.5	0.2253	mg/L	0.2253	mg/L	22:39:31
2	As 188.979†	-3.1	-8.0	-0.0183	mg/L	-0.0183	mg/L	22:39:31
2	B 182.528†	46.8	48.5	0.1556	mg/L	0.1556	mg/L	22:39:31
2	Ba 233.527†	1878.2	1775.5	0.1079	mg/L	0.1079	mg/L	22:39:31
2	Be 313.107†	-412.8	17.3	0.0001	mg/L	0.0001	mg/L	22:39:21
2	Ca 315.887†	702935.4	646541.7	22.20	mg/L	22.20	mg/L	22:39:19
2	Cd 228.802†	580.0	479.3	0.0441	mg/L	0.0441	mg/L	22:39:31
2	Co 228.616†	454.5	451.7	0.0367	mg/L	0.0367	mg/L	22:39:31
2	Cr 267.716†	69491.5	63403.4	2.397	mg/L	2.397	mg/L	22:39:21
2	Cu 324.752†	8042.7	5524.3	0.0793	mg/L	0.0793	mg/L	22:39:21

2	Fe 238.204†	5581.6	5047.6	0.1405 mg/L	0.1405 mg/L	22:39:21
2	Mg 279.077†	16159.7	14658.3	3.206 mg/L	3.206 mg/L	22:39:21
2	Mn 257.610†	29256.8	26615.9	0.1377 mg/L	0.1377 mg/L	22:39:21
2	Mo 202.031†	25.7	28.7	0.0078 mg/L	0.0078 mg/L	22:39:31
2	Ni 231.604†	11905.2	10943.2	1.091 mg/L	1.091 mg/L	22:39:21
2	P 214.914†	441.6	227.3	0.2038 mg/L	0.2038 mg/L	22:39:31
2	Pb 220.353†	-22.1	-4.7	-0.0023 mg/L	-0.0023 mg/L	22:39:31
2	Sb 206.836†	29.2	7.2	0.0160 mg/L	0.0160 mg/L	22:39:31
2	Se 196.026†	-3.4	-5.1	-0.0045 mg/L	-0.0045 mg/L	22:39:31
2	Sn 189.927†	-76.7	-65.9	-0.0582 mg/L	-0.0582 mg/L	22:39:31
2	Ti 337.279†	-626.0	-1.2	-0.0002 mg/L	-0.0002 mg/L	22:39:21
2	Tl 190.801†	5.0	0.9	0.0099 mg/L	0.0099 mg/L	22:39:31
2	V 292.402†	-1334.9	-430.5	0.0044 mg/L	0.0044 mg/L	22:39:21
2	Zn 213.857†	49336.2	44762.2	1.013 mg/L	1.013 mg/L	22:39:21

Mean Data: CJ20903-DUP2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	682021.2	1.10	mg/L	0.014			1.28%
Ag 328.068†	-67.9	-0.0018	mg/L	0.00125	-0.0018	mg/L	0.00125 69.01%
Al 237.313†	565.4	0.2223	mg/L	0.00419	0.2223	mg/L	0.00419 1.88%
As 188.979†	-5.9	-0.0134	mg/L	0.00692	-0.0134	mg/L	0.00692 51.55%
B 182.528†	47.4	0.1519	mg/L	0.00516	0.1519	mg/L	0.00516 3.40%
B 249.677†	271.0	0.1583	mg/L	0.00585	0.1583	mg/L	0.00585 3.70%
Ba 233.527†	1784.7	0.1085	mg/L	0.00079	0.1085	mg/L	0.00079 0.72%
Be 313.107†	-9.6	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004 46.85%
Ca 315.887†	650987.8	22.36	mg/L	0.216	22.36	mg/L	0.216 0.97%
Cd 228.802†	476.0	0.0437	mg/L	0.00046	0.0437	mg/L	0.00046 1.06%
Co 228.616†	454.5	0.0369	mg/L	0.00031	0.0369	mg/L	0.00031 0.83%
Cr 267.716†	63720.4	2.409	mg/L	0.0170	2.409	mg/L	0.0170 0.70%
Cu 324.752†	5503.7	0.0791	mg/L	0.00040	0.0791	mg/L	0.00040 0.50%
Fe 234.349†	212.0	0.1315	mg/L	0.01081	0.1315	mg/L	0.01081 8.22%
Fe 238.204†	5067.2	0.1410	mg/L	0.00077	0.1410	mg/L	0.00077 0.55%
K 766.490†	5551.5	2.799	mg/L	0.0526	2.799	mg/L	0.0526 1.88%
Li 670.784†	228.0	0.0015	mg/L	0.00022	0.0015	mg/L	0.00022 14.72%
Mg 279.077†	14759.1	3.227	mg/L	0.0310	3.227	mg/L	0.0310 0.96%
Mn 257.610†	26759.1	0.1384	mg/L	0.00105	0.1384	mg/L	0.00105 0.76%
Mo 202.031†	32.6	0.0087	mg/L	0.00126	0.0087	mg/L	0.00126 14.52%
Na 589.592†	166988.0	29.19	mg/L	0.575	29.19	mg/L	0.575 1.97%
Ni 231.604†	10973.7	1.094	mg/L	0.0043	1.094	mg/L	0.0043 0.39%
P 214.914†	236.8	0.2127	mg/L	0.01260	0.2127	mg/L	0.01260 5.93%
Pb 220.353†	-5.2	-0.0025	mg/L	0.00024	-0.0025	mg/L	0.00024 9.81%
Sb 206.836†	3.2	0.0078	mg/L	0.01155	0.0078	mg/L	0.01155 147.39%
Se 196.026†	-1.8	0.0004	mg/L	0.00694	0.0004	mg/L	0.00694 >999.9%
Sn 189.927†	-60.4	-0.0532	mg/L	0.00694	-0.0532	mg/L	0.00694 13.02%
Sr 407.771†	44086.8	0.0488	mg/L	0.00123	0.0488	mg/L	0.00123 2.53%
Ti 337.279†	45.5	0.0001	mg/L	0.00036	0.0001	mg/L	0.00036 510.93%
Tl 190.801†	2.2	0.0143	mg/L	0.00620	0.0143	mg/L	0.00620 43.44%
V 292.402†	-454.8	0.0040	mg/L	0.00060	0.0040	mg/L	0.00060 15.15%
Zn 213.857†	44982.9	1.018	mg/L	0.0071	1.018	mg/L	0.0071 0.70%

Sequence No.: 24
Sample ID: CJ20903-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 10/9/2012 10:41:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20903-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1200.1	1115.8	0.6522 mg/L	0.6522 mg/L	22:43:04
1	Fe 234.349†	3272.9	3028.0	2.451 mg/L	2.451 mg/L	22:43:04
1	K 766.490†	57167.9	52848.5	27.89 mg/L	27.89 mg/L	22:42:54
1	Li 670.784†	19539.7	18247.8	0.5173 mg/L	0.5173 mg/L	22:42:54
1	Na 589.592†	336469.4	312407.5	54.82 mg/L	54.82 mg/L	22:42:54
1	Sr 407.771†	97029.0	89841.0	0.0996 mg/L	0.0996 mg/L	22:42:54
1	Y 371.029	669762.0	669762.0	1.08 mg/L		22:43:20
1	Ag 328.068†	15334.0	12776.4	0.2568 mg/L	0.2568 mg/L	22:43:22
1	Al 237.313†	7582.5	7185.9	2.716 mg/L	2.716 mg/L	22:43:22
1	As 188.979†	229.0	207.0	0.4757 mg/L	0.4757 mg/L	22:43:32

1	B	182.528†	220.9	210.3	0.6643	mg/L	0.6643	mg/L	22:43:32
1	Ba	233.527†	11216.7	10445.5	0.6311	mg/L	0.6311	mg/L	22:43:22
1	Be	313.107†	50908.6	47575.5	0.0505	mg/L	0.0505	mg/L	22:43:20
1	Ca	315.887†	852904.9	791368.4	27.18	mg/L	27.18	mg/L	22:43:20
1	Cd	228.802†	3599.1	3282.0	0.3002	mg/L	0.3002	mg/L	22:43:32
1	Co	228.616†	7402.0	6894.0	0.5481	mg/L	0.5481	mg/L	22:43:22
1	Cr	267.716†	83819.9	77259.7	2.922	mg/L	2.922	mg/L	22:43:22
1	Cu	324.752†	48882.8	43439.3	0.5986	mg/L	0.5986	mg/L	22:43:22
1	Fe	238.204†	100329.0	92900.2	2.582	mg/L	2.582	mg/L	22:43:22
1	Mg	279.077†	41325.0	38114.2	8.308	mg/L	8.308	mg/L	22:43:22
1	Mn	257.610†	137591.3	127257.0	0.6586	mg/L	0.6586	mg/L	22:43:22
1	Mo	202.031†	2463.1	2287.7	0.5203	mg/L	0.5203	mg/L	22:43:32
1	Ni	231.604†	17262.4	16006.9	1.598	mg/L	1.598	mg/L	22:43:22
1	P	214.914†	6053.6	5431.8	5.088	mg/L	5.088	mg/L	22:43:32
1	Pb	220.353†	1510.6	1415.5	0.5149	mg/L	0.5149	mg/L	22:43:32
1	Sb	206.836†	284.4	244.0	0.4984	mg/L	0.4984	mg/L	22:43:32
1	Se	196.026†	711.4	657.2	0.9906	mg/L	0.9906	mg/L	22:43:32
1	Sn	189.927†	602.0	562.5	0.5125	mg/L	0.5125	mg/L	22:43:32
1	Ti	337.279†	98378.8	91745.2	0.4931	mg/L	0.4931	mg/L	22:43:22
1	Tl	190.801†	169.8	153.7	0.5447	mg/L	0.5447	mg/L	22:43:32
1	V	292.402†	25420.5	24353.6	0.5264	mg/L	0.5264	mg/L	22:43:22
1	Zn	213.857†	72445.1	66588.3	1.506	mg/L	1.506	mg/L	22:43:22
2	B	249.677†	1201.8	1112.2	0.6501	mg/L	0.6501	mg/L	22:43:16
2	Fe	234.349†	3256.6	2999.0	2.428	mg/L	2.428	mg/L	22:43:16
2	K	766.490†	56287.9	51792.4	27.33	mg/L	27.33	mg/L	22:43:06
2	Li	670.784†	19078.5	17738.8	0.5027	mg/L	0.5027	mg/L	22:43:06
2	Na	589.592†	331181.9	306091.5	53.70	mg/L	53.70	mg/L	22:43:06
2	Sr	407.771†	94642.9	87225.1	0.0967	mg/L	0.0967	mg/L	22:43:06
2	Y	371.029	672866.2	672866.2	1.08	mg/L			22:43:35
2	Ag	328.068†	15319.0	12697.0	0.2552	mg/L	0.2552	mg/L	22:43:37
2	Al	237.313†	7575.3	7146.9	2.702	mg/L	2.702	mg/L	22:43:37
2	As	188.979†	230.5	207.4	0.4766	mg/L	0.4766	mg/L	22:43:47
2	B	182.528†	220.3	208.8	0.6597	mg/L	0.6597	mg/L	22:43:47
2	Ba	233.527†	11200.5	10382.6	0.6273	mg/L	0.6273	mg/L	22:43:37
2	Be	313.107†	51031.1	47470.8	0.0504	mg/L	0.0504	mg/L	22:43:35
2	Ca	315.887†	855241.0	789876.8	27.13	mg/L	27.13	mg/L	22:43:35
2	Cd	228.802†	3590.2	3258.5	0.2980	mg/L	0.2980	mg/L	22:43:47
2	Co	228.616†	7316.3	6783.3	0.5393	mg/L	0.5393	mg/L	22:43:37
2	Cr	267.716†	83583.5	76683.3	2.900	mg/L	2.900	mg/L	22:43:37
2	Cu	324.752†	48963.3	43304.6	0.5967	mg/L	0.5967	mg/L	22:43:37
2	Fe	238.204†	99941.8	92114.1	2.560	mg/L	2.560	mg/L	22:43:37
2	Mg	279.077†	41137.3	37764.4	8.231	mg/L	8.231	mg/L	22:43:37
2	Mn	257.610†	137037.6	126158.0	0.6529	mg/L	0.6529	mg/L	22:43:37
2	Mo	202.031†	2457.4	2271.9	0.5167	mg/L	0.5167	mg/L	22:43:47
2	Ni	231.604†	17187.5	15864.0	1.583	mg/L	1.583	mg/L	22:43:37
2	P	214.914†	6027.0	5381.4	5.040	mg/L	5.040	mg/L	22:43:47
2	Pb	220.353†	1513.5	1411.8	0.5135	mg/L	0.5135	mg/L	22:43:47
2	Sb	206.836†	275.7	234.7	0.4795	mg/L	0.4795	mg/L	22:43:47
2	Se	196.026†	702.3	645.9	0.9735	mg/L	0.9735	mg/L	22:43:47
2	Sn	189.927†	595.1	553.5	0.5044	mg/L	0.5044	mg/L	22:43:47
2	Ti	337.279†	98025.7	90998.9	0.4890	mg/L	0.4890	mg/L	22:43:37
2	Tl	190.801†	167.9	151.3	0.5360	mg/L	0.5360	mg/L	22:43:47
2	V	292.402†	25331.5	24162.8	0.5223	mg/L	0.5223	mg/L	22:43:37
2	Zn	213.857†	72286.0	66131.9	1.496	mg/L	1.496	mg/L	22:43:37

Mean Data: CJ20903-MS2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	671314.1	1.08	mg/L	0.004				0.33%
Ag 328.068†	12736.7	0.2560	mg/L	0.00113	0.2560	mg/L	0.00113	0.44%
Al 237.313†	7166.4	2.709	mg/L	0.0105	2.709	mg/L	0.0105	0.39%
As 188.979†	207.2	0.4761	mg/L	0.00065	0.4761	mg/L	0.00065	0.14%
B 182.528†	209.5	0.6620	mg/L	0.00325	0.6620	mg/L	0.00325	0.49%
B 249.677†	1114.0	0.6512	mg/L	0.00146	0.6512	mg/L	0.00146	0.22%
Ba 233.527†	10414.1	0.6292	mg/L	0.00268	0.6292	mg/L	0.00268	0.43%
Be 313.107†	47523.1	0.0505	mg/L	0.00008	0.0505	mg/L	0.00008	0.16%
Ca 315.887†	790622.6	27.15	mg/L	0.036	27.15	mg/L	0.036	0.13%
Cd 228.802†	3270.2	0.2991	mg/L	0.00154	0.2991	mg/L	0.00154	0.51%
Co 228.616†	6838.6	0.5437	mg/L	0.00622	0.5437	mg/L	0.00622	1.14%
Cr 267.716†	76971.5	2.911	mg/L	0.0154	2.911	mg/L	0.0154	0.53%
Cu 324.752†	43371.9	0.5976	mg/L	0.00131	0.5976	mg/L	0.00131	0.22%
Fe 234.349†	3013.5	2.440	mg/L	0.0168	2.440	mg/L	0.0168	0.69%

Fe 238.204†	92507.1	2.571 mg/L	0.0154	2.571 mg/L	0.0154	0.60%
K 766.490†	52320.5	27.61 mg/L	0.396	27.61 mg/L	0.396	1.43%
Li 670.784†	17993.3	0.5100 mg/L	0.01030	0.5100 mg/L	0.01030	2.02%
Mg 279.077†	37939.3	8.270 mg/L	0.0538	8.270 mg/L	0.0538	0.65%
Mn 257.610†	126707.5	0.6558 mg/L	0.00402	0.6558 mg/L	0.00402	0.61%
Mo 202.031†	2279.8	0.5185 mg/L	0.00254	0.5185 mg/L	0.00254	0.49%
Na 589.592†	309249.5	54.26 mg/L	0.787	54.26 mg/L	0.787	1.45%
Ni 231.604†	15935.4	1.590 mg/L	0.0101	1.590 mg/L	0.0101	0.63%
P 214.914†	5406.6	5.064 mg/L	0.0335	5.064 mg/L	0.0335	0.66%
Pb 220.353†	1413.7	0.5142 mg/L	0.00096	0.5142 mg/L	0.00096	0.19%
Sb 206.836†	239.4	0.4890 mg/L	0.01339	0.4890 mg/L	0.01339	2.74%
Se 196.026†	651.5	0.9820 mg/L	0.01207	0.9820 mg/L	0.01207	1.23%
Sn 189.927†	558.0	0.5085 mg/L	0.00572	0.5085 mg/L	0.00572	1.12%
Sr 407.771†	88533.1	0.0981 mg/L	0.00205	0.0981 mg/L	0.00205	2.09%
Ti 337.279†	91372.1	0.4911 mg/L	0.00284	0.4911 mg/L	0.00284	0.58%
Tl 190.801†	152.5	0.5403 mg/L	0.00613	0.5403 mg/L	0.00613	1.13%
V 292.402†	24258.2	0.5243 mg/L	0.00291	0.5243 mg/L	0.00291	0.56%
Zn 213.857†	66360.1	1.501 mg/L	0.0073	1.501 mg/L	0.0073	0.49%

Sequence No.: 25
Sample ID: CJ20903-SD2 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 10/9/2012 10:45:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20903-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	60.8	60.3	0.0349 mg/L	0.0349 mg/L	22:47:13
1	Fe 234.349†	22.7	16.1	-0.0027 mg/L	-0.0027 mg/L	22:47:13
1	K 766.490†	1484.8	1256.6	0.5207 mg/L	0.5207 mg/L	22:47:03
1	Li 670.784†	-146.3	2.7	-0.0050 mg/L	-0.0050 mg/L	22:47:03
1	Na 589.592†	38216.7	36307.4	6.153 mg/L	6.153 mg/L	22:47:03
1	Sr 407.771†	9985.5	9253.4	0.0101 mg/L	0.0101 mg/L	22:47:03
1	Y 371.029	664093.2	664093.2	1.07 mg/L		22:47:29
1	Ag 328.068†	1526.1	-7.9	-0.0006 mg/L	-0.0006 mg/L	22:47:29
1	Al 237.313†	5.0	163.6	0.0590 mg/L	0.0590 mg/L	22:47:39
1	As 188.979†	0.4	-4.9	-0.0112 mg/L	-0.0112 mg/L	22:47:39
1	B 182.528†	5.1	10.3	0.0353 mg/L	0.0353 mg/L	22:47:39
1	Ba 233.527†	361.6	388.5	0.0242 mg/L	0.0242 mg/L	22:47:39
1	Be 313.107†	-312.6	104.3	0.0000 mg/L	0.0000 mg/L	22:47:29
1	Ca 315.887†	145434.4	136878.2	4.708 mg/L	4.708 mg/L	22:47:29
1	Cd 228.802†	161.3	97.4	0.0088 mg/L	0.0088 mg/L	22:47:39
1	Co 228.616†	63.7	93.8	0.0082 mg/L	0.0082 mg/L	22:47:39
1	Cr 267.716†	14621.5	13246.5	0.5008 mg/L	0.5008 mg/L	22:47:29
1	Cu 324.752†	2997.3	939.1	0.0166 mg/L	0.0166 mg/L	22:47:29
1	Fe 238.204†	567.6	451.8	0.0128 mg/L	0.0128 mg/L	22:47:39
1	Mg 279.077†	3398.1	2992.7	0.6686 mg/L	0.6686 mg/L	22:47:29
1	Mn 257.610†	7056.7	6341.2	0.0328 mg/L	0.0328 mg/L	22:47:29
1	Mo 202.031†	6.4	11.0	0.0039 mg/L	0.0039 mg/L	22:47:39
1	Ni 231.604†	2444.5	2293.8	0.2281 mg/L	0.2281 mg/L	22:47:29
1	P 214.914†	253.1	58.3	0.0458 mg/L	0.0458 mg/L	22:47:39
1	Pb 220.353†	-35.5	-17.5	-0.0061 mg/L	-0.0061 mg/L	22:47:39
1	Sb 206.836†	19.8	-1.0	-0.0007 mg/L	-0.0007 mg/L	22:47:39
1	Se 196.026†	-0.3	-2.3	-0.0003 mg/L	-0.0003 mg/L	22:47:39
1	Sn 189.927†	-27.7	-21.3	-0.0187 mg/L	-0.0187 mg/L	22:47:39
1	Ti 337.279†	-637.3	-22.0	-0.0003 mg/L	-0.0003 mg/L	22:47:29
1	Tl 190.801†	-1.0	-4.6	-0.0095 mg/L	-0.0095 mg/L	22:47:39
1	V 292.402†	-831.4	18.3	0.0024 mg/L	0.0024 mg/L	22:47:29
1	Zn 213.857†	11573.2	10267.5	0.2319 mg/L	0.2319 mg/L	22:47:29
2	B 249.677†	60.8	60.8	0.0352 mg/L	0.0352 mg/L	22:47:25
2	Fe 234.349†	25.1	18.5	-0.0007 mg/L	-0.0007 mg/L	22:47:25
2	K 766.490†	1463.2	1246.7	0.5155 mg/L	0.5155 mg/L	22:47:15
2	Li 670.784†	-94.0	50.9	-0.0036 mg/L	-0.0036 mg/L	22:47:15
2	Na 589.592†	37621.9	36017.7	6.102 mg/L	6.102 mg/L	22:47:15
2	Sr 407.771†	9862.8	9208.6	0.0100 mg/L	0.0100 mg/L	22:47:15
2	Y 371.029	659103.0	659103.0	1.06 mg/L		22:47:42
2	Ag 328.068†	1480.7	-39.8	-0.0013 mg/L	-0.0013 mg/L	22:47:42
2	Al 237.313†	-16.2	143.6	0.0515 mg/L	0.0515 mg/L	22:47:52
2	As 188.979†	3.2	-2.2	-0.0050 mg/L	-0.0050 mg/L	22:47:52
2	B 182.528†	0.9	6.5	0.0232 mg/L	0.0232 mg/L	22:47:52

2	Ba	233.527†	361.8	391.3	0.0244	mg/L	0.0244	mg/L	22:47:52
2	Be	313.107†	-349.5	67.4	0.0000	mg/L	0.0000	mg/L	22:47:42
2	Ca	315.887†	144429.3	136960.8	4.710	mg/L	4.710	mg/L	22:47:42
2	Cd	228.802†	157.5	95.0	0.0086	mg/L	0.0086	mg/L	22:47:52
2	Co	228.616†	63.5	94.0	0.0082	mg/L	0.0082	mg/L	22:47:52
2	Cr	267.716†	14542.3	13275.4	0.5019	mg/L	0.5019	mg/L	22:47:42
2	Cu	324.752†	3025.3	986.6	0.0172	mg/L	0.0172	mg/L	22:47:42
2	Fe	238.204†	541.2	431.0	0.0122	mg/L	0.0122	mg/L	22:47:52
2	Mg	279.077†	3379.8	2999.6	0.6701	mg/L	0.6701	mg/L	22:47:42
2	Mn	257.610†	7052.4	6387.1	0.0330	mg/L	0.0330	mg/L	22:47:42
2	Mo	202.031†	11.9	16.3	0.0051	mg/L	0.0051	mg/L	22:47:52
2	Ni	231.604†	2457.0	2322.9	0.2310	mg/L	0.2310	mg/L	22:47:42
2	P	214.914†	241.1	48.8	0.0368	mg/L	0.0368	mg/L	22:47:52
2	Pb	220.353†	-0.6	15.0	0.0058	mg/L	0.0058	mg/L	22:47:52
2	Sb	206.836†	25.6	4.6	0.0107	mg/L	0.0107	mg/L	22:47:52
2	Se	196.026†	1.4	-0.7	0.0021	mg/L	0.0021	mg/L	22:47:52
2	Sn	189.927†	-10.8	-5.6	-0.0046	mg/L	-0.0046	mg/L	22:47:52
2	Ti	337.279†	-475.4	126.0	0.0005	mg/L	0.0005	mg/L	22:47:42
2	Tl	190.801†	5.7	1.7	0.0129	mg/L	0.0129	mg/L	22:47:52
2	V	292.402†	-773.6	66.9	0.0034	mg/L	0.0034	mg/L	22:47:42
2	Zn	213.857†	11491.0	10271.9	0.2319	mg/L	0.2319	mg/L	22:47:42

Mean Data: CJ20903-SD2 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	661598.1	1.07	mg/L	0.006			0.53%
Ag 328.068†	-23.8	-0.0009	mg/L	0.00045	-0.0009	mg/L	0.00045 48.84%
Al 237.313†	153.6	0.0553	mg/L	0.00529	0.0553	mg/L	0.00529 9.57%
As 188.979†	-3.5	-0.0081	mg/L	0.00437	-0.0081	mg/L	0.00437 54.13%
B 182.528†	8.4	0.0292	mg/L	0.00853	0.0292	mg/L	0.00853 29.17%
B 249.677†	60.6	0.0351	mg/L	0.00020	0.0351	mg/L	0.00020 0.57%
Ba 233.527†	389.9	0.0243	mg/L	0.00012	0.0243	mg/L	0.00012 0.48%
Be 313.107†	85.8	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003 381.20%
Ca 315.887†	136919.5	4.709	mg/L	0.0020	4.709	mg/L	0.0020 0.04%
Cd 228.802†	96.2	0.0087	mg/L	0.00018	0.0087	mg/L	0.00018 2.03%
Co 228.616†	93.9	0.0082	mg/L	0.00001	0.0082	mg/L	0.00001 0.16%
Cr 267.716†	13261.0	0.5013	mg/L	0.00077	0.5013	mg/L	0.00077 0.15%
Cu 324.752†	962.8	0.0169	mg/L	0.00046	0.0169	mg/L	0.00046 2.72%
Fe 234.349†	17.3	-0.0017	mg/L	0.00139	-0.0017	mg/L	0.00139 82.36%
Fe 238.204†	441.4	0.0125	mg/L	0.00041	0.0125	mg/L	0.00041 3.27%
K 766.490†	1251.6	0.5181	mg/L	0.00370	0.5181	mg/L	0.00370 0.71%
Li 670.784†	26.8	-0.0043	mg/L	0.00098	-0.0043	mg/L	0.00098 22.80%
Mg 279.077†	2996.2	0.6693	mg/L	0.00106	0.6693	mg/L	0.00106 0.16%
Mn 257.610†	6364.2	0.0329	mg/L	0.00017	0.0329	mg/L	0.00017 0.51%
Mo 202.031†	13.7	0.0045	mg/L	0.00084	0.0045	mg/L	0.00084 18.94%
Na 589.592†	36162.5	6.128	mg/L	0.0361	6.128	mg/L	0.0361 0.59%
Ni 231.604†	2308.4	0.2296	mg/L	0.00206	0.2296	mg/L	0.00206 0.90%
P 214.914†	53.5	0.0413	mg/L	0.00633	0.0413	mg/L	0.00633 15.31%
Pb 220.353†	-1.3	-0.0001	mg/L	0.00841	-0.0001	mg/L	0.00841 >999.9%
Sb 206.836†	1.8	0.0050	mg/L	0.00807	0.0050	mg/L	0.00807 161.09%
Se 196.026†	-1.5	0.0009	mg/L	0.00172	0.0009	mg/L	0.00172 194.06%
Sn 189.927†	-13.5	-0.0116	mg/L	0.00999	-0.0116	mg/L	0.00999 85.81%
Sr 407.771†	9231.0	0.0101	mg/L	0.00004	0.0101	mg/L	0.00004 0.35%
Ti 337.279†	52.0	0.0001	mg/L	0.00056	0.0001	mg/L	0.00056 537.49%
Tl 190.801†	-1.4	0.0017	mg/L	0.01580	0.0017	mg/L	0.01580 925.66%
V 292.402†	42.6	0.0029	mg/L	0.00072	0.0029	mg/L	0.00072 25.12%
Zn 213.857†	10269.7	0.2319	mg/L	0.00006	0.2319	mg/L	0.00006 0.03%

Sequence No.: 26

Sample ID: CJ20903-PDS2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 28

Date Collected: 10/9/2012 10:49:29 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20903-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1194.3	1103.5	0.6450 mg/L	0.6450 mg/L	22:51:19
1	Fe 234.349†	3212.1	2953.2	2.389 mg/L	2.389 mg/L	22:51:19
1	K 766.490†	55769.5	51231.8	27.03 mg/L	27.03 mg/L	22:51:09

1	Li 670.784†	18831.5	17483.0	0.4954 mg/L	0.4954 mg/L	22:51:09
1	Na 589.592†	334693.7	308836.4	54.19 mg/L	54.19 mg/L	22:51:09
1	Sr 407.771†	96232.7	88549.4	0.0981 mg/L	0.0981 mg/L	22:51:09
1	Y 371.029	673945.8	673945.8	1.09 mg/L		22:51:35
1	Ag 328.068†	15098.1	12470.9	0.2506 mg/L	0.2506 mg/L	22:51:37
1	Al 237.313†	7487.4	7054.7	2.667 mg/L	2.667 mg/L	22:51:37
1	As 188.979†	229.9	206.5	0.4745 mg/L	0.4745 mg/L	22:51:47
1	B 182.528†	220.0	208.2	0.6577 mg/L	0.6577 mg/L	22:51:47
1	Ba 233.527†	10989.8	10171.9	0.6146 mg/L	0.6146 mg/L	22:51:37
1	Be 313.107†	50154.3	46587.9	0.0495 mg/L	0.0495 mg/L	22:51:35
1	Ca 315.887†	865129.0	797719.8	27.40 mg/L	27.40 mg/L	22:51:35
1	Cd 228.802†	3516.0	3184.8	0.2912 mg/L	0.2912 mg/L	22:51:47
1	Co 228.616†	7176.1	6643.3	0.5282 mg/L	0.5282 mg/L	22:51:37
1	Cr 267.716†	85289.5	78131.0	2.955 mg/L	2.955 mg/L	22:51:37
1	Cu 324.752†	48177.4	42508.4	0.5858 mg/L	0.5858 mg/L	22:51:37
1	Fe 238.204†	97931.1	90114.5	2.504 mg/L	2.504 mg/L	22:51:37
1	Mg 279.077†	41189.6	37751.8	8.229 mg/L	8.229 mg/L	22:51:37
1	Mn 257.610†	135364.8	124414.8	0.6439 mg/L	0.6439 mg/L	22:51:37
1	Mo 202.031†	2413.1	2227.5	0.5066 mg/L	0.5066 mg/L	22:51:47
1	Ni 231.604†	17332.2	15971.8	1.594 mg/L	1.594 mg/L	22:51:37
1	P 214.914†	5981.0	5330.1	4.992 mg/L	4.992 mg/L	22:51:47
1	Pb 220.353†	1442.0	1343.7	0.4887 mg/L	0.4887 mg/L	22:51:47
1	Sb 206.836†	282.0	240.2	0.4906 mg/L	0.4906 mg/L	22:51:47
1	Se 196.026†	693.6	636.8	0.9598 mg/L	0.9598 mg/L	22:51:47
1	Sn 189.927†	585.0	543.4	0.4952 mg/L	0.4952 mg/L	22:51:47
1	Ti 337.279†	102073.5	94582.0	0.5083 mg/L	0.5083 mg/L	22:51:37
1	Tl 190.801†	165.1	148.4	0.5260 mg/L	0.5260 mg/L	22:51:47
1	V 292.402†	24975.3	23797.3	0.5149 mg/L	0.5149 mg/L	22:51:37
1	Zn 213.857†	72781.0	66480.9	1.504 mg/L	1.504 mg/L	22:51:37
2	B 249.677†	1198.5	1110.9	0.6494 mg/L	0.6494 mg/L	22:51:31
2	Fe 234.349†	3197.0	2948.7	2.385 mg/L	2.385 mg/L	22:51:31
2	K 766.490†	55906.8	51522.0	27.18 mg/L	27.18 mg/L	22:51:21
2	Li 670.784†	18953.2	17650.6	0.5002 mg/L	0.5002 mg/L	22:51:21
2	Na 589.592†	334208.6	309368.6	54.28 mg/L	54.28 mg/L	22:51:21
2	Sr 407.771†	96089.3	88698.8	0.0983 mg/L	0.0983 mg/L	22:51:21
2	Y 371.029	671809.2	671809.2	1.08 mg/L		22:51:50
2	Ag 328.068†	15099.6	12516.5	0.2516 mg/L	0.2516 mg/L	22:51:52
2	Al 237.313†	7449.2	7041.3	2.662 mg/L	2.662 mg/L	22:51:52
2	As 188.979†	231.6	208.7	0.4797 mg/L	0.4797 mg/L	22:52:02
2	B 182.528†	216.1	205.3	0.6485 mg/L	0.6485 mg/L	22:52:02
2	Ba 233.527†	11048.8	10258.7	0.6199 mg/L	0.6199 mg/L	22:51:52
2	Be 313.107†	50180.2	46758.7	0.0497 mg/L	0.0497 mg/L	22:51:50
2	Ca 315.887†	863217.4	798487.7	27.42 mg/L	27.42 mg/L	22:51:50
2	Cd 228.802†	3513.5	3192.8	0.2920 mg/L	0.2920 mg/L	22:52:02
2	Co 228.616†	7245.8	6728.7	0.5349 mg/L	0.5349 mg/L	22:51:52
2	Cr 267.716†	85540.1	78612.4	2.973 mg/L	2.973 mg/L	22:51:52
2	Cu 324.752†	48374.0	42831.2	0.5903 mg/L	0.5903 mg/L	22:51:52
2	Fe 238.204†	98224.6	90672.6	2.520 mg/L	2.520 mg/L	22:51:52
2	Mg 279.077†	41246.9	37925.4	8.266 mg/L	8.266 mg/L	22:51:52
2	Mn 257.610†	135922.9	125327.0	0.6486 mg/L	0.6486 mg/L	22:51:52
2	Mo 202.031†	2408.5	2230.3	0.5073 mg/L	0.5073 mg/L	22:52:02
2	Ni 231.604†	17420.0	16103.8	1.607 mg/L	1.607 mg/L	22:51:52
2	P 214.914†	6009.6	5374.0	5.034 mg/L	5.034 mg/L	22:52:02
2	Pb 220.353†	1470.6	1374.3	0.4998 mg/L	0.4998 mg/L	22:52:02
2	Sb 206.836†	283.1	242.0	0.4944 mg/L	0.4944 mg/L	22:52:02
2	Se 196.026†	704.0	648.4	0.9773 mg/L	0.9773 mg/L	22:52:02
2	Sn 189.927†	575.7	536.5	0.4890 mg/L	0.4890 mg/L	22:52:02
2	Ti 337.279†	102515.4	95289.2	0.5121 mg/L	0.5121 mg/L	22:51:52
2	Tl 190.801†	165.3	149.0	0.5282 mg/L	0.5282 mg/L	22:52:02
2	V 292.402†	24975.2	23870.4	0.5166 mg/L	0.5166 mg/L	22:51:52
2	Zn 213.857†	73112.9	67000.7	1.515 mg/L	1.515 mg/L	22:51:52

Mean Data: CJ20903-PDS2

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		RSD
	Intensity	Conc.			Units	Std.Dev.	
Y 371.029	672877.5	1.08	mg/L	0.002			0.22%
Ag 328.068†	12493.7	0.2511	mg/L	0.00065	0.2511 mg/L	0.00065	0.26%
Al 237.313†	7048.0	2.665	mg/L	0.0035	2.665 mg/L	0.0035	0.13%
As 188.979†	207.6	0.4771	mg/L	0.00366	0.4771 mg/L	0.00366	0.77%
B 182.528†	206.7	0.6531	mg/L	0.00650	0.6531 mg/L	0.00650	1.00%
B 249.677†	1107.2	0.6472	mg/L	0.00306	0.6472 mg/L	0.00306	0.47%
Ba 233.527†	10215.3	0.6172	mg/L	0.00370	0.6172 mg/L	0.00370	0.60%

Be 313.107†	46673.3	0.0496 mg/L	0.00013	0.0496 mg/L	0.00013	0.26%
Ca 315.887†	798103.7	27.41 mg/L	0.019	27.41 mg/L	0.019	0.07%
Cd 228.802†	3188.8	0.2916 mg/L	0.00051	0.2916 mg/L	0.00051	0.17%
Co 228.616†	6686.0	0.5316 mg/L	0.00480	0.5316 mg/L	0.00480	0.90%
Cr 267.716†	78371.7	2.964 mg/L	0.0129	2.964 mg/L	0.0129	0.43%
Cu 324.752†	42669.8	0.5880 mg/L	0.00313	0.5880 mg/L	0.00313	0.53%
Fe 234.349†	2951.0	2.387 mg/L	0.0028	2.387 mg/L	0.0028	0.12%
Fe 238.204†	90393.6	2.512 mg/L	0.0110	2.512 mg/L	0.0110	0.44%
K 766.490†	51376.9	27.11 mg/L	0.109	27.11 mg/L	0.109	0.40%
Li 670.784†	17566.8	0.4978 mg/L	0.00339	0.4978 mg/L	0.00339	0.68%
Mg 279.077†	37838.6	8.248 mg/L	0.0267	8.248 mg/L	0.0267	0.32%
Mn 257.610†	124870.9	0.6463 mg/L	0.00334	0.6463 mg/L	0.00334	0.52%
Mo 202.031†	2228.9	0.5069 mg/L	0.00045	0.5069 mg/L	0.00045	0.09%
Na 589.592†	309102.5	54.23 mg/L	0.066	54.23 mg/L	0.066	0.12%
Ni 231.604†	16037.8	1.601 mg/L	0.0093	1.601 mg/L	0.0093	0.58%
P 214.914†	5352.1	5.013 mg/L	0.0291	5.013 mg/L	0.0291	0.58%
Pb 220.353†	1359.0	0.4942 mg/L	0.00790	0.4942 mg/L	0.00790	1.60%
Sb 206.836†	241.1	0.4925 mg/L	0.00267	0.4925 mg/L	0.00267	0.54%
Se 196.026†	642.6	0.9685 mg/L	0.01235	0.9685 mg/L	0.01235	1.27%
Sn 189.927†	539.9	0.4921 mg/L	0.00439	0.4921 mg/L	0.00439	0.89%
Sr 407.771†	88624.1	0.0982 mg/L	0.00012	0.0982 mg/L	0.00012	0.12%
Ti 337.279†	94935.6	0.5102 mg/L	0.00269	0.5102 mg/L	0.00269	0.53%
Tl 190.801†	148.7	0.5271 mg/L	0.00158	0.5271 mg/L	0.00158	0.30%
V 292.402†	23833.9	0.5157 mg/L	0.00115	0.5157 mg/L	0.00115	0.22%
Zn 213.857†	66740.8	1.510 mg/L	0.0083	1.510 mg/L	0.0083	0.55%

Sequence No.: 27
Sample ID: 1210175-05
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 10/9/2012 10:53:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210175-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	300.5	275.8	0.1611 mg/L	0.1611 mg/L	0.1611 mg/L	22:55:29
1	Fe 234.349†	89.3	75.7	0.0182 mg/L	0.0182 mg/L	0.0182 mg/L	22:55:29
1	K 766.490†	6367.6	5637.5	2.845 mg/L	2.845 mg/L	2.845 mg/L	22:55:19
1	Li 670.784†	197.1	318.1	0.0041 mg/L	0.0041 mg/L	0.0041 mg/L	22:55:19
1	Na 589.592†	187373.5	170338.7	29.78 mg/L	29.78 mg/L	29.78 mg/L	22:55:19
1	Sr 407.771†	50134.0	45339.2	0.0502 mg/L	0.0502 mg/L	0.0502 mg/L	22:55:19
1	Y 371.029	685133.4	685133.4	1.10 mg/L	1.10 mg/L	1.10 mg/L	22:55:45
1	Ag 328.068†	1520.7	-56.6	-0.0016 mg/L	-0.0016 mg/L	-0.0016 mg/L	22:55:47
1	Al 237.313†	462.8	578.2	0.2273 mg/L	0.2273 mg/L	0.2273 mg/L	22:55:57
1	As 188.979†	0.5	-4.8	-0.0109 mg/L	-0.0109 mg/L	-0.0109 mg/L	22:55:57
1	B 182.528†	48.2	49.2	0.1577 mg/L	0.1577 mg/L	0.1577 mg/L	22:55:57
1	Ba 233.527†	1977.7	1842.2	0.1120 mg/L	0.1120 mg/L	0.1120 mg/L	22:55:57
1	Be 313.107†	-514.9	-70.0	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	22:55:47
1	Ca 315.887†	734421.9	666295.4	22.88 mg/L	22.88 mg/L	22.88 mg/L	22:55:45
1	Cd 228.802†	593.6	484.4	0.0445 mg/L	0.0445 mg/L	0.0445 mg/L	22:55:57
1	Co 228.616†	486.7	475.2	0.0385 mg/L	0.0385 mg/L	0.0385 mg/L	22:55:57
1	Cr 267.716†	71728.1	64562.5	2.441 mg/L	2.441 mg/L	2.441 mg/L	22:55:47
1	Cu 324.752†	8217.4	5582.2	0.0801 mg/L	0.0801 mg/L	0.0801 mg/L	22:55:47
1	Fe 238.204†	781.3	629.1	0.0177 mg/L	0.0177 mg/L	0.0177 mg/L	22:55:57
1	Mg 279.077†	16725.1	14968.8	3.273 mg/L	3.273 mg/L	3.273 mg/L	22:55:47
1	Mn 257.610†	29226.0	26222.9	0.1357 mg/L	0.1357 mg/L	0.1357 mg/L	22:55:47
1	Mo 202.031†	36.2	37.9	0.0099 mg/L	0.0099 mg/L	0.0099 mg/L	22:55:57
1	Ni 231.604†	12103.4	10974.2	1.094 mg/L	1.094 mg/L	1.094 mg/L	22:55:47
1	P 214.914†	453.2	232.2	0.2081 mg/L	0.2081 mg/L	0.2081 mg/L	22:55:57
1	Pb 220.353†	-18.2	-0.9	-0.0009 mg/L	-0.0009 mg/L	-0.0009 mg/L	22:55:57
1	Sb 206.836†	24.4	2.5	0.0065 mg/L	0.0065 mg/L	0.0065 mg/L	22:55:57
1	Se 196.026†	-0.6	-2.6	-0.0007 mg/L	-0.0007 mg/L	-0.0007 mg/L	22:55:57
1	Sn 189.927†	-71.0	-59.8	-0.0530 mg/L	-0.0530 mg/L	-0.0530 mg/L	22:55:57
1	Ti 337.279†	-546.5	78.6	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	22:55:47
1	Tl 190.801†	5.9	1.7	0.0127 mg/L	0.0127 mg/L	0.0127 mg/L	22:55:57
1	V 292.402†	-1472.7	-538.8	0.0024 mg/L	0.0024 mg/L	0.0024 mg/L	22:55:47
1	Zn 213.857†	51127.8	45769.7	1.036 mg/L	1.036 mg/L	1.036 mg/L	22:55:47
2	B 249.677†	299.8	269.3	0.1572 mg/L	0.1572 mg/L	0.1572 mg/L	22:55:41
2	Fe 234.349†	84.2	69.5	0.0140 mg/L	0.0140 mg/L	0.0140 mg/L	22:55:41
2	K 766.490†	6457.5	5592.5	2.821 mg/L	2.821 mg/L	2.821 mg/L	22:55:31
2	Li 670.784†	183.2	301.9	0.0036 mg/L	0.0036 mg/L	0.0036 mg/L	22:55:31

2	Na 589.592†	190351.7	169310.4	29.60	mg/L	29.60	mg/L	22:55:31
2	Sr 407.771†	51299.1	45390.6	0.0502	mg/L	0.0502	mg/L	22:55:31
2	Y 371.029	700265.0	700265.0	1.13	mg/L			22:55:59
2	Ag 328.068†	1483.4	-119.4	-0.0028	mg/L	-0.0028	mg/L	22:56:02
2	Al 237.313†	514.9	615.3	0.2410	mg/L	0.2410	mg/L	22:56:12
2	As 188.979†	2.3	-3.2	-0.0072	mg/L	-0.0072	mg/L	22:56:12
2	B 182.528†	44.7	45.2	0.1451	mg/L	0.1451	mg/L	22:56:12
2	Ba 233.527†	1948.6	1777.7	0.1081	mg/L	0.1081	mg/L	22:56:12
2	Be 313.107†	-461.5	-12.6	0.0001	mg/L	0.0001	mg/L	22:56:02
2	Ca 315.887†	728028.6	646251.6	22.19	mg/L	22.19	mg/L	22:55:59
2	Cd 228.802†	601.8	480.0	0.0441	mg/L	0.0441	mg/L	22:56:12
2	Co 228.616†	480.7	460.4	0.0374	mg/L	0.0374	mg/L	22:56:12
2	Cr 267.716†	71939.4	63345.6	2.395	mg/L	2.395	mg/L	22:56:02
2	Cu 324.752†	8205.6	5410.9	0.0778	mg/L	0.0778	mg/L	22:56:02
2	Fe 238.204†	808.4	637.9	0.0179	mg/L	0.0179	mg/L	22:56:12
2	Mg 279.077†	16781.9	14691.7	3.213	mg/L	3.213	mg/L	22:56:02
2	Mn 257.610†	29205.6	25632.7	0.1326	mg/L	0.1326	mg/L	22:56:02
2	Mo 202.031†	37.6	38.4	0.0100	mg/L	0.0100	mg/L	22:56:12
2	Ni 231.604†	12117.7	10749.9	1.072	mg/L	1.072	mg/L	22:56:02
2	P 214.914†	437.1	209.2	0.1865	mg/L	0.1865	mg/L	22:56:12
2	Pb 220.353†	-62.7	-39.9	-0.0152	mg/L	-0.0152	mg/L	22:56:12
2	Sb 206.836†	23.4	1.2	0.0038	mg/L	0.0038	mg/L	22:56:12
2	Se 196.026†	-1.0	-2.9	-0.0013	mg/L	-0.0013	mg/L	22:56:12
2	Sn 189.927†	-82.5	-68.5	-0.0609	mg/L	-0.0609	mg/L	22:56:12
2	Ti 337.279†	-583.2	56.8	0.0001	mg/L	0.0001	mg/L	22:56:02
2	Tl 190.801†	8.9	4.2	0.0215	mg/L	0.0215	mg/L	22:56:12
2	V 292.402†	-1350.9	-402.0	0.0050	mg/L	0.0050	mg/L	22:56:02
2	Zn 213.857†	51120.8	44762.6	1.013	mg/L	1.013	mg/L	22:56:02

Mean Data: 1210175-05

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD	
Y 371.029	692699.2	1.12	mg/L	0.017			1.54%	
Ag 328.068†	-88.0	-0.0022	mg/L	0.00089	-0.0022	mg/L	0.00089	40.26%
Al 237.313†	596.8	0.2341	mg/L	0.00966	0.2341	mg/L	0.00966	4.12%
As 188.979†	-4.0	-0.0091	mg/L	0.00261	-0.0091	mg/L	0.00261	28.77%
B 182.528†	47.2	0.1514	mg/L	0.00887	0.1514	mg/L	0.00887	5.86%
B 249.677†	272.5	0.1591	mg/L	0.00270	0.1591	mg/L	0.00270	1.70%
Ba 233.527†	1810.0	0.1100	mg/L	0.00276	0.1100	mg/L	0.00276	2.51%
Be 313.107†	-41.3	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	79.75%
Ca 315.887†	656273.5	22.54	mg/L	0.487	22.54	mg/L	0.487	2.16%
Cd 228.802†	482.2	0.0443	mg/L	0.00030	0.0443	mg/L	0.00030	0.67%
Co 228.616†	467.8	0.0380	mg/L	0.00084	0.0380	mg/L	0.00084	2.20%
Cr 267.716†	63954.0	2.418	mg/L	0.0325	2.418	mg/L	0.0325	1.35%
Cu 324.752†	5496.5	0.0790	mg/L	0.00166	0.0790	mg/L	0.00166	2.10%
Fe 234.349†	72.6	0.0161	mg/L	0.00298	0.0161	mg/L	0.00298	18.52%
Fe 238.204†	633.5	0.0178	mg/L	0.00018	0.0178	mg/L	0.00018	0.98%
K 766.490†	5615.0	2.833	mg/L	0.0169	2.833	mg/L	0.0169	0.60%
Li 670.784†	310.0	0.0038	mg/L	0.00033	0.0038	mg/L	0.00033	8.58%
Mg 279.077†	14830.3	3.243	mg/L	0.0426	3.243	mg/L	0.0426	1.31%
Mn 257.610†	25927.8	0.1341	mg/L	0.00216	0.1341	mg/L	0.00216	1.61%
Mo 202.031†	38.2	0.0100	mg/L	0.00009	0.0100	mg/L	0.00009	0.91%
Na 589.592†	169824.5	29.69	mg/L	0.128	29.69	mg/L	0.128	0.43%
Ni 231.604†	10862.0	1.083	mg/L	0.0158	1.083	mg/L	0.0158	1.46%
P 214.914†	220.7	0.1973	mg/L	0.01530	0.1973	mg/L	0.01530	7.75%
Pb 220.353†	-20.4	-0.0080	mg/L	0.01008	-0.0080	mg/L	0.01008	125.32%
Sb 206.836†	1.9	0.0051	mg/L	0.00195	0.0051	mg/L	0.00195	37.85%
Se 196.026†	-2.8	-0.0010	mg/L	0.00037	-0.0010	mg/L	0.00037	37.56%
Sn 189.927†	-64.2	-0.0570	mg/L	0.00558	-0.0570	mg/L	0.00558	9.79%
Sr 407.771†	45364.9	0.0502	mg/L	0.00004	0.0502	mg/L	0.00004	0.08%
Ti 337.279†	67.7	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	43.91%
Tl 190.801†	2.9	0.0171	mg/L	0.00627	0.0171	mg/L	0.00627	36.67%
V 292.402†	-470.4	0.0037	mg/L	0.00182	0.0037	mg/L	0.00182	48.73%
Zn 213.857†	45266.1	1.024	mg/L	0.0161	1.024	mg/L	0.0161	1.57%

Sequence No.: 28
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/9/2012 10:57:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	947.1	831.0	0.4855	mg/L	0.4855	mg/L	22:59:43
1	Fe 234.349†	3392.0	2958.3	2.429	mg/L	2.429	mg/L	22:59:43
1	K 766.490†	52050.7	45343.5	23.91	mg/L	23.91	mg/L	22:59:32
1	Li 670.784†	19130.5	16853.1	0.4774	mg/L	0.4774	mg/L	22:59:32
1	Na 589.592†	156683.7	137476.6	23.98	mg/L	23.98	mg/L	22:59:32
1	Sr 407.771†	50079.7	43673.2	0.0483	mg/L	0.0483	mg/L	22:59:32
1	Y 371.029	710452.5	710452.5	1.14	mg/L			22:59:59
1	Ag 328.068†	15574.8	12172.8	0.2446	mg/L	0.2446	mg/L	22:59:59
1	Al 237.313†	7363.7	6592.3	2.478	mg/L	2.478	mg/L	22:59:59
1	As 188.979†	251.9	214.9	0.4937	mg/L	0.4937	mg/L	23:00:09
1	B 182.528†	170.0	154.1	0.4874	mg/L	0.4874	mg/L	23:00:09
1	Ba 233.527†	9480.6	8333.3	0.5036	mg/L	0.5036	mg/L	22:59:59
1	Be 313.107†	53980.1	47556.7	0.0503	mg/L	0.0503	mg/L	22:59:59
1	Ca 315.887†	167560.2	147338.7	5.069	mg/L	5.069	mg/L	22:59:59
1	Cd 228.802†	3132.4	2683.3	0.2449	mg/L	0.2449	mg/L	23:00:09
1	Co 228.616†	7113.1	6248.7	0.4968	mg/L	0.4968	mg/L	22:59:59
1	Cr 267.716†	15741.0	13332.8	0.5047	mg/L	0.5047	mg/L	22:59:59
1	Cu 324.752†	42788.5	35520.3	0.4902	mg/L	0.4902	mg/L	22:59:59
1	Fe 238.204†	103680.5	90503.0	2.515	mg/L	2.515	mg/L	22:59:59
1	Mg 279.077†	26187.7	22695.9	4.954	mg/L	4.954	mg/L	22:59:59
1	Mn 257.610†	112060.3	97648.4	0.5054	mg/L	0.5054	mg/L	22:59:59
1	Mo 202.031†	2573.4	2253.4	0.5126	mg/L	0.5126	mg/L	23:00:09
1	Ni 231.604†	5801.8	5078.0	0.5068	mg/L	0.5068	mg/L	22:59:59
1	P 214.914†	6213.2	5250.0	4.919	mg/L	4.919	mg/L	23:00:09
1	Pb 220.353†	1542.5	1363.2	0.4970	mg/L	0.4970	mg/L	23:00:09
1	Sb 206.836†	302.6	244.8	0.5001	mg/L	0.5001	mg/L	23:00:09
1	Se 196.026†	756.4	658.8	0.9929	mg/L	0.9929	mg/L	23:00:09
1	Sn 189.927†	660.7	581.8	0.5297	mg/L	0.5297	mg/L	23:00:09
1	Ti 337.279†	106696.6	93790.4	0.5041	mg/L	0.5041	mg/L	22:59:59
1	Tl 190.801†	165.9	141.3	0.5010	mg/L	0.5010	mg/L	23:00:09
1	V 292.402†	27148.9	24514.3	0.5152	mg/L	0.5152	mg/L	22:59:59
1	Zn 213.857†	25752.8	21949.8	0.4956	mg/L	0.4956	mg/L	22:59:59
2	B 249.677†	922.4	816.9	0.4773	mg/L	0.4773	mg/L	22:59:55
2	Fe 234.349†	3349.5	2948.5	2.421	mg/L	2.421	mg/L	22:59:55
2	K 766.490†	53060.7	46658.2	24.60	mg/L	24.60	mg/L	22:59:45
2	Li 670.784†	19412.6	17257.7	0.4890	mg/L	0.4890	mg/L	22:59:45
2	Na 589.592†	159521.0	141255.2	24.65	mg/L	24.65	mg/L	22:59:45
2	Sr 407.771†	51145.3	45020.8	0.0498	mg/L	0.0498	mg/L	22:59:45
2	Y 371.029	703887.7	703887.7	1.13	mg/L			23:00:12
2	Ag 328.068†	15320.8	12075.8	0.2427	mg/L	0.2427	mg/L	23:00:12
2	Al 237.313†	7343.5	6634.5	2.494	mg/L	2.494	mg/L	23:00:12
2	As 188.979†	247.1	212.7	0.4887	mg/L	0.4887	mg/L	23:00:22
2	B 182.528†	170.3	155.7	0.4926	mg/L	0.4926	mg/L	23:00:22
2	Ba 233.527†	9436.5	8371.7	0.5059	mg/L	0.5059	mg/L	23:00:12
2	Be 313.107†	53360.0	47449.8	0.0501	mg/L	0.0501	mg/L	23:00:12
2	Ca 315.887†	165066.5	146505.1	5.041	mg/L	5.041	mg/L	23:00:12
2	Cd 228.802†	3115.4	2693.8	0.2459	mg/L	0.2459	mg/L	23:00:22
2	Co 228.616†	7070.4	6269.0	0.4984	mg/L	0.4984	mg/L	23:00:12
2	Cr 267.716†	15472.5	13224.3	0.5006	mg/L	0.5006	mg/L	23:00:12
2	Cu 324.752†	42386.2	35514.2	0.4901	mg/L	0.4901	mg/L	23:00:12
2	Fe 238.204†	102180.0	90024.6	2.502	mg/L	2.502	mg/L	23:00:12
2	Mg 279.077†	25812.2	22578.2	4.929	mg/L	4.929	mg/L	23:00:12
2	Mn 257.610†	110361.3	97063.3	0.5024	mg/L	0.5024	mg/L	23:00:12
2	Mo 202.031†	2512.9	2220.9	0.5052	mg/L	0.5052	mg/L	23:00:22
2	Ni 231.604†	5717.6	5051.0	0.5041	mg/L	0.5041	mg/L	23:00:12
2	P 214.914†	6086.8	5189.1	4.862	mg/L	4.862	mg/L	23:00:22
2	Pb 220.353†	1519.1	1355.2	0.4940	mg/L	0.4940	mg/L	23:00:22
2	Sb 206.836†	292.2	238.1	0.4863	mg/L	0.4863	mg/L	23:00:22
2	Se 196.026†	756.0	664.6	1.002	mg/L	1.002	mg/L	23:00:22
2	Sn 189.927†	638.6	567.7	0.5171	mg/L	0.5171	mg/L	23:00:22
2	Ti 337.279†	105366.1	93486.5	0.5024	mg/L	0.5024	mg/L	23:00:12
2	Tl 190.801†	159.2	136.7	0.4847	mg/L	0.4847	mg/L	23:00:22
2	V 292.402†	26482.0	24147.5	0.5075	mg/L	0.5075	mg/L	23:00:12
2	Zn 213.857†	25549.7	21980.6	0.4963	mg/L	0.4963	mg/L	23:00:12

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
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Y	371.029	707170.1	1.14 mg/L	0.007				0.66%
Ag	328.068†	12124.3	0.2437 mg/L	0.00138	0.2437 mg/L	0.00138	0.57%	
								QC value within limits for Ag 328.068 Recovery = 97.47%
Al	237.313†	6613.4	2.486 mg/L	0.0112	2.486 mg/L	0.0112	0.45%	
								QC value within limits for Al 237.313 Recovery = 99.42%
As	188.979†	213.8	0.4912 mg/L	0.00354	0.4912 mg/L	0.00354	0.72%	
								QC value within limits for As 188.979 Recovery = 98.25%
B	182.528†	154.9	0.4900 mg/L	0.00366	0.4900 mg/L	0.00366	0.75%	
								QC value within limits for B 182.528 Recovery = 98.00%
B	249.677†	824.0	0.4814 mg/L	0.00583	0.4814 mg/L	0.00583	1.21%	
								QC value within limits for B 249.677 Recovery = 96.28%
Ba	233.527†	8352.5	0.5048 mg/L	0.00164	0.5048 mg/L	0.00164	0.33%	
								QC value within limits for Ba 233.527 Recovery = 100.95%
Be	313.107†	47503.3	0.0502 mg/L	0.00008	0.0502 mg/L	0.00008	0.16%	
								QC value within limits for Be 313.107 Recovery = 100.41%
Ca	315.887†	146921.9	5.055 mg/L	0.0203	5.055 mg/L	0.0203	0.40%	
								QC value within limits for Ca 315.887 Recovery = 101.10%
Cd	228.802†	2688.5	0.2454 mg/L	0.00070	0.2454 mg/L	0.00070	0.29%	
								QC value within limits for Cd 228.802 Recovery = 98.17%
Co	228.616†	6258.9	0.4976 mg/L	0.00114	0.4976 mg/L	0.00114	0.23%	
								QC value within limits for Co 228.616 Recovery = 99.52%
Cr	267.716†	13278.6	0.5026 mg/L	0.00291	0.5026 mg/L	0.00291	0.58%	
								QC value within limits for Cr 267.716 Recovery = 100.52%
Cu	324.752†	35517.3	0.4902 mg/L	0.00006	0.4902 mg/L	0.00006	0.01%	
								QC value within limits for Cu 324.752 Recovery = 98.03%
Fe	234.349†	2953.4	2.425 mg/L	0.0057	2.425 mg/L	0.0057	0.24%	
								QC value within limits for Fe 234.349 Recovery = 97.00%
Fe	238.204†	90263.8	2.509 mg/L	0.0094	2.509 mg/L	0.0094	0.37%	
								QC value within limits for Fe 238.204 Recovery = 100.35%
K	766.490†	46000.9	24.26 mg/L	0.493	24.26 mg/L	0.493	2.03%	
								QC value within limits for K 766.490 Recovery = 97.02%
Li	670.784†	17055.4	0.4832 mg/L	0.00819	0.4832 mg/L	0.00819	1.69%	
								QC value within limits for Li 670.784 Recovery = 96.63%
Mg	279.077†	22637.1	4.942 mg/L	0.0181	4.942 mg/L	0.0181	0.37%	
								QC value within limits for Mg 279.077 Recovery = 98.83%
Mn	257.610†	97355.9	0.5039 mg/L	0.00214	0.5039 mg/L	0.00214	0.43%	
								QC value within limits for Mn 257.610 Recovery = 100.78%
Mo	202.031†	2237.2	0.5089 mg/L	0.00522	0.5089 mg/L	0.00522	1.03%	
								QC value within limits for Mo 202.031 Recovery = 101.78%
Na	589.592†	139365.9	24.32 mg/L	0.471	24.32 mg/L	0.471	1.94%	
								QC value within limits for Na 589.592 Recovery = 97.27%
Ni	231.604†	5064.5	0.5055 mg/L	0.00191	0.5055 mg/L	0.00191	0.38%	
								QC value within limits for Ni 231.604 Recovery = 101.09%
P	214.914†	5219.5	4.890 mg/L	0.0404	4.890 mg/L	0.0404	0.83%	
								QC value within limits for P 214.914 Recovery = 97.81%
Pb	220.353†	1359.2	0.4955 mg/L	0.00209	0.4955 mg/L	0.00209	0.42%	
								QC value within limits for Pb 220.353 Recovery = 99.09%
Sb	206.836†	241.4	0.4932 mg/L	0.00976	0.4932 mg/L	0.00976	1.98%	
								QC value within limits for Sb 206.836 Recovery = 98.65%
Se	196.026†	661.7	0.9973 mg/L	0.00617	0.9973 mg/L	0.00617	0.62%	
								QC value within limits for Se 196.026 Recovery = 99.73%
Sn	189.927†	574.8	0.5234 mg/L	0.00896	0.5234 mg/L	0.00896	1.71%	
								QC value within limits for Sn 189.927 Recovery = 104.68%
Sr	407.771†	44347.0	0.0490 mg/L	0.00106	0.0490 mg/L	0.00106	2.16%	
								QC value within limits for Sr 407.771 Recovery = 98.10%
Ti	337.279†	93638.4	0.5032 mg/L	0.00116	0.5032 mg/L	0.00116	0.23%	
								QC value within limits for Ti 337.279 Recovery = 100.65%
Tl	190.801†	139.0	0.4928 mg/L	0.01150	0.4928 mg/L	0.01150	2.33%	
								QC value within limits for Tl 190.801 Recovery = 98.57%
V	292.402†	24330.9	0.5113 mg/L	0.00545	0.5113 mg/L	0.00545	1.07%	
								QC value within limits for V 292.402 Recovery = 102.27%
Zn	213.857†	21965.2	0.4959 mg/L	0.00051	0.4959 mg/L	0.00051	0.10%	
								QC value within limits for Zn 213.857 Recovery = 99.19%
All analyte(s) passed QC.								

Sequence No.: 29
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2012 11:02:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-0.2	3.4	0.0016	mg/L	0.0016	mg/L	23:03:58
1	Fe 234.349†	7.2	1.9	-0.0070	mg/L	-0.0070	mg/L	23:03:58
1	K 766.490†	206.8	70.4	-0.1085	mg/L	-0.1085	mg/L	23:03:48
1	Li 670.784†	-148.8	-5.5	-0.0052	mg/L	-0.0052	mg/L	23:03:48
1	Na 589.592†	-313.9	282.2	-0.1963	mg/L	-0.1963	mg/L	23:03:48
1	Sr 407.771†	112.9	30.5	-0.0002	mg/L	-0.0002	mg/L	23:03:48
1	Y 371.029	636868.9	636868.9	1.03	mg/L			23:04:22
1	Ag 328.068†	1443.4	-27.5	-0.0010	mg/L	-0.0010	mg/L	23:04:22
1	Al 237.313†	-137.0	25.5	0.0039	mg/L	0.0039	mg/L	23:04:33
1	As 188.979†	5.4	-0.0	0.0001	mg/L	0.0001	mg/L	23:04:33
1	B 182.528†	-5.6	0.1	0.0033	mg/L	0.0033	mg/L	23:04:33
1	Ba 233.527†	-48.8	2.9	0.0009	mg/L	0.0009	mg/L	23:04:33
1	Be 313.107†	-297.9	106.2	0.0000	mg/L	0.0000	mg/L	23:04:22
1	Ca 315.887†	-683.6	281.6	0.0183	mg/L	0.0183	mg/L	23:04:22
1	Cd 228.802†	53.7	-1.0	-0.0003	mg/L	-0.0003	mg/L	23:04:33
1	Co 228.616†	-37.0	-1.8	0.0006	mg/L	0.0006	mg/L	23:04:33
1	Cr 267.716†	384.2	-45.0	-0.0017	mg/L	-0.0017	mg/L	23:04:22
1	Cu 324.752†	1760.8	-146.2	0.0017	mg/L	0.0017	mg/L	23:04:22
1	Fe 238.204†	228.5	144.1	0.0042	mg/L	0.0042	mg/L	23:04:33
1	Mg 279.077†	184.1	-3.8	0.0169	mg/L	0.0169	mg/L	23:04:22
1	Mn 257.610†	405.2	140.6	0.0007	mg/L	0.0007	mg/L	23:04:33
1	Mo 202.031†	11.0	15.8	0.0049	mg/L	0.0049	mg/L	23:04:33
1	Ni 231.604†	-0.2	8.9	0.0001	mg/L	0.0001	mg/L	23:04:33
1	P 214.914†	212.2	28.5	0.0181	mg/L	0.0181	mg/L	23:04:33
1	Pb 220.353†	-33.6	-17.1	-0.0057	mg/L	-0.0057	mg/L	23:04:33
1	Sb 206.836†	22.1	2.0	0.0054	mg/L	0.0054	mg/L	23:04:33
1	Se 196.026†	2.8	0.8	0.0042	mg/L	0.0042	mg/L	23:04:33
1	Sn 189.927†	0.1	4.7	0.0046	mg/L	0.0046	mg/L	23:04:33
1	Ti 337.279†	-461.8	123.6	0.0005	mg/L	0.0005	mg/L	23:04:22
1	Tl 190.801†	-1.3	-4.9	-0.0105	mg/L	-0.0105	mg/L	23:04:33
1	V 292.402†	-733.7	80.4	0.0007	mg/L	0.0007	mg/L	23:04:22
1	Zn 213.857†	614.9	49.9	0.0004	mg/L	0.0004	mg/L	23:04:33
2	B 249.677†	-2.3	1.4	0.0004	mg/L	0.0004	mg/L	23:04:19
2	Fe 234.349†	0.7	-4.4	-0.0122	mg/L	-0.0122	mg/L	23:04:19
2	K 766.490†	206.1	66.1	-0.1108	mg/L	-0.1108	mg/L	23:04:09
2	Li 670.784†	-114.3	30.2	-0.0042	mg/L	-0.0042	mg/L	23:04:09
2	Na 589.592†	-297.9	303.0	-0.1926	mg/L	-0.1926	mg/L	23:04:09
2	Sr 407.771†	97.9	14.2	-0.0002	mg/L	-0.0002	mg/L	23:04:09
2	Y 371.029	648546.8	648546.8	1.04	mg/L			23:04:35
2	Ag 328.068†	1498.1	-0.5	-0.0005	mg/L	-0.0005	mg/L	23:04:35
2	Al 237.313†	-173.7	-7.3	-0.0084	mg/L	-0.0084	mg/L	23:04:45
2	As 188.979†	3.2	-2.1	-0.0048	mg/L	-0.0048	mg/L	23:04:45
2	B 182.528†	-6.1	-0.3	0.0020	mg/L	0.0020	mg/L	23:04:45
2	Ba 233.527†	-46.2	6.3	0.0011	mg/L	0.0011	mg/L	23:04:45
2	Be 313.107†	-310.1	99.7	0.0000	mg/L	0.0000	mg/L	23:04:35
2	Ca 315.887†	-809.9	172.7	0.0145	mg/L	0.0145	mg/L	23:04:35
2	Cd 228.802†	56.3	0.5	-0.0001	mg/L	-0.0001	mg/L	23:04:45
2	Co 228.616†	-18.0	17.0	0.0021	mg/L	0.0021	mg/L	23:04:45
2	Cr 267.716†	409.2	-27.8	-0.0011	mg/L	-0.0011	mg/L	23:04:35
2	Cu 324.752†	1751.6	-186.0	0.0012	mg/L	0.0012	mg/L	23:04:35
2	Fe 238.204†	199.5	112.3	0.0034	mg/L	0.0034	mg/L	23:04:45
2	Mg 279.077†	222.3	29.5	0.0241	mg/L	0.0241	mg/L	23:04:35
2	Mn 257.610†	404.4	132.7	0.0007	mg/L	0.0007	mg/L	23:04:45
2	Mo 202.031†	10.0	14.7	0.0047	mg/L	0.0047	mg/L	23:04:45
2	Ni 231.604†	-2.7	6.5	-0.0001	mg/L	-0.0001	mg/L	23:04:45
2	P 214.914†	223.3	35.4	0.0246	mg/L	0.0246	mg/L	23:04:45
2	Pb 220.353†	-30.3	-13.4	-0.0043	mg/L	-0.0043	mg/L	23:04:45
2	Sb 206.836†	24.7	4.0	0.0097	mg/L	0.0097	mg/L	23:04:45
2	Se 196.026†	2.6	0.5	0.0038	mg/L	0.0038	mg/L	23:04:45
2	Sn 189.927†	11.5	15.6	0.0144	mg/L	0.0144	mg/L	23:04:45
2	Ti 337.279†	-506.3	89.2	0.0003	mg/L	0.0003	mg/L	23:04:35
2	Tl 190.801†	1.9	-1.9	0.0003	mg/L	0.0003	mg/L	23:04:45
2	V 292.402†	-706.8	119.0	0.0015	mg/L	0.0015	mg/L	23:04:35
2	Zn 213.857†	612.6	36.8	0.0001	mg/L	0.0001	mg/L	23:04:45

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	642707.9	1.04	mg/L	0.013				1.28%

Ag	328.068†	-14.0	-0.0007 mg/L	0.00038	-0.0007 mg/L	0.00038	52.49%
	QC value within limits for Ag	328.068	Recovery =	Not calculated			
Al	237.313†	9.1	-0.0023 mg/L	0.00870	-0.0023 mg/L	0.00870	382.02%
	QC value within limits for Al	237.313	Recovery =	Not calculated			
As	188.979†	-1.1	-0.0024 mg/L	0.00345	-0.0024 mg/L	0.00345	145.37%
	QC value within limits for As	188.979	Recovery =	Not calculated			
B	182.528†	-0.1	0.0026 mg/L	0.00092	0.0026 mg/L	0.00092	35.37%
	QC value within limits for B	182.528	Recovery =	Not calculated			
B	249.677†	2.4	0.0010 mg/L	0.00083	0.0010 mg/L	0.00083	85.33%
	QC value within limits for B	249.677	Recovery =	Not calculated			
Ba	233.527†	4.6	0.0010 mg/L	0.00014	0.0010 mg/L	0.00014	14.21%
	QC value within limits for Ba	233.527	Recovery =	Not calculated			
Be	313.107†	102.9	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	12.11%
	QC value within limits for Be	313.107	Recovery =	Not calculated			
Ca	315.887†	227.1	0.0164 mg/L	0.00264	0.0164 mg/L	0.00264	16.08%
	QC value within limits for Ca	315.887	Recovery =	Not calculated			
Cd	228.802†	-0.3	-0.0002 mg/L	0.00012	-0.0002 mg/L	0.00012	55.98%
	QC value within limits for Cd	228.802	Recovery =	Not calculated			
Co	228.616†	7.6	0.0014 mg/L	0.00106	0.0014 mg/L	0.00106	77.71%
	QC value within limits for Co	228.616	Recovery =	Not calculated			
Cr	267.716†	-36.4	-0.0014 mg/L	0.00046	-0.0014 mg/L	0.00046	32.28%
	QC value within limits for Cr	267.716	Recovery =	Not calculated			
Cu	324.752†	-166.1	0.0015 mg/L	0.00039	0.0015 mg/L	0.00039	26.31%
	QC value within limits for Cu	324.752	Recovery =	Not calculated			
Fe	234.349†	-1.3	-0.0096 mg/L	0.00370	-0.0096 mg/L	0.00370	38.56%
	QC value within limits for Fe	234.349	Recovery =	Not calculated			
Fe	238.204†	128.2	0.0038 mg/L	0.00062	0.0038 mg/L	0.00062	16.43%
	QC value within limits for Fe	238.204	Recovery =	Not calculated			
K	766.490†	68.3	-0.1096 mg/L	0.00161	-0.1096 mg/L	0.00161	1.47%
	QC value within limits for K	766.490	Recovery =	Not calculated			
Li	670.784†	12.3	-0.0047 mg/L	0.00072	-0.0047 mg/L	0.00072	15.37%
	QC value within limits for Li	670.784	Recovery =	Not calculated			
Mg	279.077†	12.8	0.0205 mg/L	0.00513	0.0205 mg/L	0.00513	25.03%
	QC value greater than the upper limit for Mg	279.077	Recovery =	Not calculated			
Mn	257.610†	136.6	0.0007 mg/L	0.00003	0.0007 mg/L	0.00003	4.25%
	QC value within limits for Mn	257.610	Recovery =	Not calculated			
Mo	202.031†	15.2	0.0048 mg/L	0.00017	0.0048 mg/L	0.00017	3.61%
	QC value greater than the upper limit for Mo	202.031	Recovery =	Not calculated			
Na	589.592†	292.6	-0.1944 mg/L	0.00259	-0.1944 mg/L	0.00259	1.33%
	QC value less than the lower limit for Na	589.592	Recovery =	Not calculated			
Ni	231.604†	7.7	0.0000 mg/L	0.00017	0.0000 mg/L	0.00017	735.61%
	QC value within limits for Ni	231.604	Recovery =	Not calculated			
P	214.914†	32.0	0.0213 mg/L	0.00458	0.0213 mg/L	0.00458	21.51%
	QC value within limits for P	214.914	Recovery =	Not calculated			
Pb	220.353†	-15.3	-0.0050 mg/L	0.00098	-0.0050 mg/L	0.00098	19.58%
	QC value within limits for Pb	220.353	Recovery =	Not calculated			
Sb	206.836†	3.0	0.0076 mg/L	0.00299	0.0076 mg/L	0.00299	39.67%
	QC value within limits for Sb	206.836	Recovery =	Not calculated			
Se	196.026†	0.6	0.0040 mg/L	0.00030	0.0040 mg/L	0.00030	7.45%
	QC value within limits for Se	196.026	Recovery =	Not calculated			
Sn	189.927†	10.1	0.0095 mg/L	0.00692	0.0095 mg/L	0.00692	72.96%
	QC value within limits for Sn	189.927	Recovery =	Not calculated			
Sr	407.771†	22.3	-0.0002 mg/L	0.00001	-0.0002 mg/L	0.00001	7.60%
	QC value within limits for Sr	407.771	Recovery =	Not calculated			
Ti	337.279†	106.4	0.0004 mg/L	0.00013	0.0004 mg/L	0.00013	33.02%
	QC value within limits for Ti	337.279	Recovery =	Not calculated			
Tl	190.801†	-3.4	-0.0051 mg/L	0.00762	-0.0051 mg/L	0.00762	150.27%
	QC value within limits for Tl	190.801	Recovery =	Not calculated			
V	292.402†	99.7	0.0011 mg/L	0.00057	0.0011 mg/L	0.00057	53.78%
	QC value within limits for V	292.402	Recovery =	Not calculated			
Zn	213.857†	43.4	0.0003 mg/L	0.00021	0.0003 mg/L	0.00021	78.12%
	QC value within limits for Zn	213.857	Recovery =	Not calculated			
QC Failed. Continue with analysis.							

Sequence No.: 30
Sample ID: 1210175-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 10/9/2012 11:06:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	196.1	178.0	0.1037	mg/L	0.1037	mg/L	23:08:14
1	Fe 234.349†	123.7	105.0	0.0412	mg/L	0.0412	mg/L	23:08:14
1	K 766.490†	6461.0	5618.1	2.834	mg/L	2.834	mg/L	23:08:04
1	Li 670.784†	807.4	858.0	0.0195	mg/L	0.0195	mg/L	23:08:04
1	Na 589.592†	180710.8	161390.8	28.20	mg/L	28.20	mg/L	23:08:04
1	Sr 407.771†	61738.8	54857.8	0.0607	mg/L	0.0607	mg/L	23:08:04
1	Y 371.029	697539.5	697539.5	1.12	mg/L			23:08:31
1	Ag 328.068†	1432.1	-159.9	-0.0037	mg/L	-0.0037	mg/L	23:08:33
1	Al 237.313†	2565.0	2441.3	0.9507	mg/L	0.9507	mg/L	23:08:43
1	As 188.979†	0.8	-4.5	-0.0102	mg/L	-0.0102	mg/L	23:08:43
1	B 182.528†	28.6	31.0	0.1005	mg/L	0.1005	mg/L	23:08:43
1	Ba 233.527†	4019.6	3627.3	0.2198	mg/L	0.2198	mg/L	23:08:43
1	Be 313.107†	307.4	670.0	0.0012	mg/L	0.0012	mg/L	23:08:33
1	Ca 315.887†	687403.6	612623.4	21.04	mg/L	21.04	mg/L	23:08:31
1	Cd 228.802†	670.7	543.5	0.0499	mg/L	0.0499	mg/L	23:08:43
1	Co 228.616†	898.0	833.3	0.0670	mg/L	0.0670	mg/L	23:08:43
1	Cr 267.716†	180485.2	160182.6	6.056	mg/L	6.056	mg/L	23:08:31
1	Cu 324.752†	32307.8	26886.2	0.3717	mg/L	0.3717	mg/L	23:08:33
1	Fe 238.204†	2086.8	1778.2	0.0496	mg/L	0.0496	mg/L	23:08:43
1	Mg 279.077†	17885.6	15732.0	3.441	mg/L	3.441	mg/L	23:08:33
1	Mn 257.610†	137906.1	122459.3	0.6337	mg/L	0.6337	mg/L	23:08:33
1	Mo 202.031†	37.6	38.5	0.0098	mg/L	0.0098	mg/L	23:08:43
1	Ni 231.604†	14605.0	13005.1	1.297	mg/L	1.297	mg/L	23:08:33
1	P 214.914†	292.1	81.6	0.0612	mg/L	0.0612	mg/L	23:08:43
1	Pb 220.353†	-39.5	-19.6	-0.0091	mg/L	-0.0091	mg/L	23:08:43
1	Sb 206.836†	27.6	5.0	0.0115	mg/L	0.0115	mg/L	23:08:43
1	Se 196.026†	1.5	-0.7	0.0021	mg/L	0.0021	mg/L	23:08:43
1	Sn 189.927†	-70.5	-58.2	-0.0516	mg/L	-0.0516	mg/L	23:08:43
1	Ti 337.279†	-491.5	136.3	0.0006	mg/L	0.0006	mg/L	23:08:33
1	Tl 190.801†	0.9	-2.9	-0.0036	mg/L	-0.0036	mg/L	23:08:43
1	V 292.402†	-2393.3	-1334.2	0.0076	mg/L	0.0076	mg/L	23:08:33
1	Zn 213.857†	101071.0	89387.1	2.027	mg/L	2.027	mg/L	23:08:33
2	B 249.677†	203.0	186.0	0.1084	mg/L	0.1084	mg/L	23:08:27
2	Fe 234.349†	128.5	110.3	0.0446	mg/L	0.0446	mg/L	23:08:27
2	K 766.490†	6456.3	5672.1	2.863	mg/L	2.863	mg/L	23:08:17
2	Li 670.784†	789.6	849.2	0.0193	mg/L	0.0193	mg/L	23:08:17
2	Na 589.592†	179157.8	161623.2	28.24	mg/L	28.24	mg/L	23:08:17
2	Sr 407.771†	61339.6	55055.2	0.0609	mg/L	0.0609	mg/L	23:08:17
2	Y 371.029	690547.0	690547.0	1.11	mg/L			23:08:45
2	Ag 328.068†	1454.8	-126.6	-0.0030	mg/L	-0.0030	mg/L	23:08:48
2	Al 237.313†	2547.2	2448.5	0.9547	mg/L	0.9547	mg/L	23:08:58
2	As 188.979†	6.8	0.9	0.0022	mg/L	0.0022	mg/L	23:08:58
2	B 182.528†	24.8	27.8	0.0904	mg/L	0.0904	mg/L	23:08:58
2	Ba 233.527†	4090.1	3726.9	0.2258	mg/L	0.2258	mg/L	23:08:58
2	Be 313.107†	302.2	668.1	0.0012	mg/L	0.0012	mg/L	23:08:48
2	Ca 315.887†	703655.6	633425.3	21.75	mg/L	21.75	mg/L	23:08:45
2	Cd 228.802†	677.0	555.2	0.0510	mg/L	0.0510	mg/L	23:08:58
2	Co 228.616†	907.5	849.9	0.0683	mg/L	0.0683	mg/L	23:08:58
2	Cr 267.716†	184544.9	165457.8	6.256	mg/L	6.256	mg/L	23:08:45
2	Cu 324.752†	32491.3	27342.3	0.3779	mg/L	0.3779	mg/L	23:08:48
2	Fe 238.204†	2137.7	1842.8	0.0514	mg/L	0.0514	mg/L	23:08:58
2	Mg 279.077†	18112.2	16096.9	3.520	mg/L	3.520	mg/L	23:08:48
2	Mn 257.610†	139115.0	124788.6	0.6457	mg/L	0.6457	mg/L	23:08:48
2	Mo 202.031†	29.0	31.1	0.0082	mg/L	0.0082	mg/L	23:08:58
2	Ni 231.604†	14741.6	13259.5	1.323	mg/L	1.323	mg/L	23:08:48
2	P 214.914†	307.4	98.0	0.0765	mg/L	0.0765	mg/L	23:08:58
2	Pb 220.353†	-21.1	-3.3	-0.0032	mg/L	-0.0032	mg/L	23:08:58
2	Sb 206.836†	32.2	9.4	0.0205	mg/L	0.0205	mg/L	23:08:58
2	Se 196.026†	4.1	1.7	0.0057	mg/L	0.0057	mg/L	23:08:58
2	Sn 189.927†	-78.5	-66.0	-0.0585	mg/L	-0.0585	mg/L	23:08:58
2	Ti 337.279†	-435.1	182.6	0.0008	mg/L	0.0008	mg/L	23:08:48
2	Tl 190.801†	0.5	-3.2	-0.0047	mg/L	-0.0047	mg/L	23:08:58
2	V 292.402†	-2379.9	-1343.7	0.0086	mg/L	0.0086	mg/L	23:08:48
2	Zn 213.857†	101635.6	90805.3	2.060	mg/L	2.060	mg/L	23:08:48

Mean Data: 1210175-06

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	694043.3	1.12 mg/L	0.008			0.71%
Ag 328.068†	-143.3	-0.0033 mg/L	0.00047	-0.0033 mg/L	0.00047	14.26%

Al 237.313†	2444.9	0.9527 mg/L	0.00280	0.9527 mg/L	0.00280	0.29%
As 188.979†	-1.8	-0.0040 mg/L	0.00872	-0.0040 mg/L	0.00872	218.19%
B 182.528†	29.4	0.0954 mg/L	0.00713	0.0954 mg/L	0.00713	7.47%
B 249.677†	182.0	0.1060 mg/L	0.00330	0.1060 mg/L	0.00330	3.11%
Ba 233.527†	3677.1	0.2228 mg/L	0.00425	0.2228 mg/L	0.00425	1.91%
Be 313.107†	669.0	0.0012 mg/L	0.00001	0.0012 mg/L	0.00001	1.08%
Ca 315.887†	623024.4	21.40 mg/L	0.505	21.40 mg/L	0.505	2.36%
Cd 228.802†	549.3	0.0505 mg/L	0.00072	0.0505 mg/L	0.00072	1.43%
Co 228.616†	841.6	0.0677 mg/L	0.00093	0.0677 mg/L	0.00093	1.38%
Cr 267.716†	162820.2	6.156 mg/L	0.1410	6.156 mg/L	0.1410	2.29%
Cu 324.752†	27114.2	0.3748 mg/L	0.00441	0.3748 mg/L	0.00441	1.18%
Fe 234.349†	107.7	0.0429 mg/L	0.00243	0.0429 mg/L	0.00243	5.66%
Fe 238.204†	1810.5	0.0505 mg/L	0.00127	0.0505 mg/L	0.00127	2.51%
K 766.490†	5645.1	2.849 mg/L	0.0203	2.849 mg/L	0.0203	0.71%
Li 670.784†	853.6	0.0194 mg/L	0.00018	0.0194 mg/L	0.00018	0.91%
Mg 279.077†	15914.4	3.480 mg/L	0.0561	3.480 mg/L	0.0561	1.61%
Mn 257.610†	123623.9	0.6397 mg/L	0.00852	0.6397 mg/L	0.00852	1.33%
Mo 202.031†	34.8	0.0090 mg/L	0.00119	0.0090 mg/L	0.00119	13.26%
Na 589.592†	161507.0	28.22 mg/L	0.029	28.22 mg/L	0.029	0.10%
Ni 231.604†	13132.3	1.310 mg/L	0.0180	1.310 mg/L	0.0180	1.37%
P 214.914†	89.8	0.0688 mg/L	0.01084	0.0688 mg/L	0.01084	15.75%
Pb 220.353†	-11.5	-0.0061 mg/L	0.00418	-0.0061 mg/L	0.00418	67.91%
Sb 206.836†	7.2	0.0160 mg/L	0.00631	0.0160 mg/L	0.00631	39.41%
Se 196.026†	0.5	0.0039 mg/L	0.00253	0.0039 mg/L	0.00253	65.24%
Sn 189.927†	-62.1	-0.0550 mg/L	0.00494	-0.0550 mg/L	0.00494	8.98%
Sr 407.771†	54956.5	0.0608 mg/L	0.00016	0.0608 mg/L	0.00016	0.25%
Ti 337.279†	159.5	0.0007 mg/L	0.00018	0.0007 mg/L	0.00018	25.78%
Tl 190.801†	-3.0	-0.0042 mg/L	0.00081	-0.0042 mg/L	0.00081	19.58%
V 292.402†	-1339.0	0.0081 mg/L	0.00070	0.0081 mg/L	0.00070	8.64%
Zn 213.857†	90096.2	2.044 mg/L	0.0227	2.044 mg/L	0.0227	1.11%

Sequence No.: 31
Sample ID: 1210175-07
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 10/9/2012 11:10:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210175-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	728.5	629.5	0.3684	mg/L	0.3684	mg/L	23:12:26
1	Fe 234.349†	58390.5	50169.2	41.37	mg/L	41.37	mg/L	23:12:16
1	K 766.490†	20026.7	17077.5	8.913	mg/L	8.913	mg/L	23:12:16
1	Li 670.784†	539.7	603.3	0.0122	mg/L	0.0122	mg/L	23:12:26
1	Na 589.592†	731832.3	629443.0	110.7	mg/L	110.7	mg/L	23:12:16
1	Sr 407.771†	445182.2	382460.3	0.4245	mg/L	0.4245	mg/L	23:12:16
1	Y 371.029	722336.0	722336.0	1.16	mg/L			23:12:46
1	Ag 328.068†	1271.2	-341.9	-0.0041	mg/L	-0.0041	mg/L	23:12:48
1	Al 237.313†	412.7	513.6	0.1874	mg/L	0.1874	mg/L	23:12:48
1	As 188.979†	-9.7	-13.6	-0.0137	mg/L	-0.0137	mg/L	23:12:58
1	B 182.528†	143.5	128.8	0.4081	mg/L	0.4081	mg/L	23:12:58
1	Ba 233.527†	909.6	832.1	0.0510	mg/L	0.0510	mg/L	23:12:58
1	Be 313.107†	-463.1	-1.5	-0.0001	mg/L	-0.0001	mg/L	23:12:48
1	Ca 315.887†	5894857.3	5066329.4	173.9	mg/L	173.9	mg/L	23:12:43
1	Cd 228.802†	58.8	-2.9	-0.0003	mg/L	-0.0003	mg/L	23:12:58
1	Co 228.616†	-47.0	-6.2	0.0003	mg/L	0.0003	mg/L	23:12:58
1	Cr 267.716†	477.0	-9.6	-0.0004	mg/L	-0.0004	mg/L	23:12:48
1	Cu 324.752†	1861.5	-262.8	0.0001	mg/L	0.0001	mg/L	23:12:48
1	Fe 238.204†	1942867.5	1669404.5	46.38	mg/L	46.38	mg/L	23:12:46
1	Mg 279.077†	144228.9	123751.0	26.95	mg/L	26.95	mg/L	23:12:46
1	Mn 257.610†	1854828.8	1593578.2	8.246	mg/L	8.246	mg/L	23:12:46
1	Mo 202.031†	135.8	121.8	0.0161	mg/L	0.0161	mg/L	23:12:58
1	Ni 231.604†	1467.6	1270.2	0.1260	mg/L	0.1260	mg/L	23:12:58
1	P 214.914†	441.9	201.4	0.2783	mg/L	0.2783	mg/L	23:12:58
1	Pb 220.353†	-75.3	-49.1	-0.0174	mg/L	-0.0174	mg/L	23:12:58
1	Sb 206.836†	29.1	5.4	-0.0060	mg/L	-0.0060	mg/L	23:12:58
1	Se 196.026†	-5.5	-6.8	0.0107	mg/L	0.0107	mg/L	23:12:58
1	Sn 189.927†	-271.4	-228.6	-0.0834	mg/L	-0.0834	mg/L	23:12:58
1	Ti 337.279†	-420.6	212.3	0.0010	mg/L	0.0010	mg/L	23:12:48
1	Tl 190.801†	7.8	3.1	-0.0059	mg/L	-0.0059	mg/L	23:12:58
1	V 292.402†	-352.4	492.6	0.0016	mg/L	0.0016	mg/L	23:12:48

1	Zn 213.857†	865.9	194.6	0.0030 mg/L	0.0030 mg/L	23:12:58
2	B 249.677†	731.0	635.4	0.3718 mg/L	0.3718 mg/L	23:12:39
2	Fe 234.349†	59012.8	50998.4	42.05 mg/L	42.05 mg/L	23:12:29
2	K 766.490†	20262.9	17381.6	9.074 mg/L	9.074 mg/L	23:12:29
2	Li 670.784†	509.6	580.0	0.0116 mg/L	0.0116 mg/L	23:12:39
2	Na 589.592†	739286.2	639537.3	112.5 mg/L	112.5 mg/L	23:12:29
2	Sr 407.771†	449585.5	388487.6	0.4312 mg/L	0.4312 mg/L	23:12:29
2	Y 371.029	718165.3	718165.3	1.16 mg/L		23:13:04
2	Ag 328.068†	1259.2	-346.0	-0.0042 mg/L	-0.0042 mg/L	23:13:06
2	Al 237.313†	380.1	487.4	0.1776 mg/L	0.1776 mg/L	23:13:06
2	As 188.979†	-9.5	-13.4	-0.0131 mg/L	-0.0131 mg/L	23:13:16
2	B 182.528†	135.8	122.9	0.3895 mg/L	0.3895 mg/L	23:13:16
2	Ba 233.527†	896.5	825.4	0.0506 mg/L	0.0506 mg/L	23:13:16
2	Be 313.107†	-466.9	-7.1	-0.0002 mg/L	-0.0002 mg/L	23:13:06
2	Ca 315.887†	6021963.5	5205601.5	178.7 mg/L	178.7 mg/L	23:13:01
2	Cd 228.802†	57.7	-3.5	-0.0004 mg/L	-0.0004 mg/L	23:13:16
2	Co 228.616†	-48.1	-7.3	0.0002 mg/L	0.0002 mg/L	23:13:16
2	Cr 267.716†	506.5	18.4	0.0007 mg/L	0.0007 mg/L	23:13:06
2	Cu 324.752†	1895.7	-224.0	0.0007 mg/L	0.0007 mg/L	23:13:06
2	Fe 238.204†	1927345.1	1665684.3	46.28 mg/L	46.28 mg/L	23:13:04
2	Mg 279.077†	143145.2	123534.1	26.91 mg/L	26.91 mg/L	23:13:04
2	Mn 257.610†	1840083.6	1590090.4	8.228 mg/L	8.228 mg/L	23:13:04
2	Mo 202.031†	146.7	131.9	0.0182 mg/L	0.0182 mg/L	23:13:16
2	Ni 231.604†	1445.3	1258.3	0.1248 mg/L	0.1248 mg/L	23:13:16
2	P 214.914†	407.6	174.0	0.2541 mg/L	0.2541 mg/L	23:13:16
2	Pb 220.353†	-81.6	-54.9	-0.0195 mg/L	-0.0195 mg/L	23:13:16
2	Sb 206.836†	29.1	5.6	-0.0059 mg/L	-0.0059 mg/L	23:13:16
2	Se 196.026†	-11.6	-12.1	0.0030 mg/L	0.0030 mg/L	23:13:16
2	Sn 189.927†	-258.5	-218.9	-0.0726 mg/L	-0.0726 mg/L	23:13:16
2	Ti 337.279†	-557.8	91.6	0.0003 mg/L	0.0003 mg/L	23:13:06
2	Tl 190.801†	8.5	3.7	-0.0042 mg/L	-0.0042 mg/L	23:13:16
2	V 292.402†	-264.3	567.0	0.0030 mg/L	0.0030 mg/L	23:13:06
2	Zn 213.857†	867.3	200.2	0.0032 mg/L	0.0032 mg/L	23:13:16

Mean Data: 1210175-07

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	720250.7	1.16	mg/L	0.005				0.41%
Ag 328.068†	-343.9	-0.0041	mg/L	0.00002	-0.0041	mg/L	0.00002	0.49%
Al 237.313†	500.5	0.1825	mg/L	0.00695	0.1825	mg/L	0.00695	3.81%
As 188.979†	-13.5	-0.0134	mg/L	0.00043	-0.0134	mg/L	0.00043	3.21%
B 182.528†	125.9	0.3988	mg/L	0.01320	0.3988	mg/L	0.01320	3.31%
B 249.677†	632.4	0.3701	mg/L	0.00243	0.3701	mg/L	0.00243	0.66%
Ba 233.527†	828.7	0.0508	mg/L	0.00029	0.0508	mg/L	0.00029	0.57%
Be 313.107†	-4.3	-0.0002	mg/L	0.00000	-0.0002	mg/L	0.00000	2.67%
Ca 315.887†	5135965.5	176.3	mg/L	3.38	176.3	mg/L	3.38	1.92%
Cd 228.802†	-3.2	-0.0004	mg/L	0.00004	-0.0004	mg/L	0.00004	12.08%
Co 228.616†	-6.7	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	26.32%
Cr 267.716†	4.4	0.0002	mg/L	0.00075	0.0002	mg/L	0.00075	493.66%
Cu 324.752†	-243.4	0.0004	mg/L	0.00038	0.0004	mg/L	0.00038	92.40%
Fe 234.349†	50583.8	41.71	mg/L	0.482	41.71	mg/L	0.482	1.16%
Fe 238.204†	1667544.4	46.33	mg/L	0.073	46.33	mg/L	0.073	0.16%
K 766.490†	17229.6	8.994	mg/L	0.1141	8.994	mg/L	0.1141	1.27%
Li 670.784†	591.6	0.0119	mg/L	0.00047	0.0119	mg/L	0.00047	3.96%
Mg 279.077†	123642.5	26.93	mg/L	0.033	26.93	mg/L	0.033	0.12%
Mn 257.610†	1591834.3	8.237	mg/L	0.0128	8.237	mg/L	0.0128	0.15%
Mo 202.031†	126.8	0.0172	mg/L	0.00147	0.0172	mg/L	0.00147	8.58%
Na 589.592†	634490.2	111.6	mg/L	1.26	111.6	mg/L	1.26	1.13%
Ni 231.604†	1264.3	0.1254	mg/L	0.00084	0.1254	mg/L	0.00084	0.67%
P 214.914†	187.7	0.2662	mg/L	0.01712	0.2662	mg/L	0.01712	6.43%
Pb 220.353†	-52.0	-0.0185	mg/L	0.00151	-0.0185	mg/L	0.00151	8.16%
Sb 206.836†	5.5	-0.0059	mg/L	0.00004	-0.0059	mg/L	0.00004	0.68%
Se 196.026†	-9.4	0.0068	mg/L	0.00543	0.0068	mg/L	0.00543	79.70%
Sn 189.927†	-223.8	-0.0780	mg/L	0.00762	-0.0780	mg/L	0.00762	9.77%
Sr 407.771†	385473.9	0.4278	mg/L	0.00473	0.4278	mg/L	0.00473	1.11%
Ti 337.279†	151.9	0.0006	mg/L	0.00046	0.0006	mg/L	0.00046	71.46%
Tl 190.801†	3.4	-0.0050	mg/L	0.00121	-0.0050	mg/L	0.00121	24.04%
V 292.402†	529.8	0.0023	mg/L	0.00102	0.0023	mg/L	0.00102	44.44%
Zn 213.857†	197.4	0.0031	mg/L	0.00009	0.0031	mg/L	0.00009	3.02%

Sample ID: 1210175-08
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/9/2012 11:14:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210175-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	94.7	86.4	0.0502	mg/L	0.0502	mg/L	23:16:44
1	Fe 234.349†	90.5	74.2	0.0373	mg/L	0.0373	mg/L	23:16:44
1	K 766.490†	8156.1	7009.8	3.573	mg/L	3.573	mg/L	23:16:34
1	Li 670.784†	-41.1	103.6	-0.0021	mg/L	-0.0021	mg/L	23:16:34
1	Na 589.592†	252645.8	221788.6	38.85	mg/L	38.85	mg/L	23:16:34
1	Sr 407.771†	80282.2	70210.4	0.0778	mg/L	0.0778	mg/L	23:16:34
1	Y 371.029	708931.2	708931.2	1.14	mg/L			23:17:01
1	Ag 328.068†	1397.9	-210.3	-0.0047	mg/L	-0.0047	mg/L	23:17:01
1	Al 237.313†	-65.5	101.6	0.0332	mg/L	0.0332	mg/L	23:17:11
1	As 188.979†	7.1	0.9	0.0023	mg/L	0.0023	mg/L	23:17:11
1	B 182.528†	6.0	10.8	0.0369	mg/L	0.0369	mg/L	23:17:11
1	Ba 233.527†	721.1	681.9	0.0419	mg/L	0.0419	mg/L	23:17:11
1	Be 313.107†	-336.1	102.2	0.0000	mg/L	0.0000	mg/L	23:17:01
1	Ca 315.887†	554429.1	486370.5	16.71	mg/L	16.71	mg/L	23:17:01
1	Cd 228.802†	153.0	80.6	0.0072	mg/L	0.0072	mg/L	23:17:11
1	Co 228.616†	-44.0	-4.2	0.0004	mg/L	0.0004	mg/L	23:17:11
1	Cr 267.716†	3597.3	2730.1	0.1032	mg/L	0.1032	mg/L	23:17:01
1	Cu 324.752†	2205.3	68.5	0.0047	mg/L	0.0047	mg/L	23:17:01
1	Fe 238.204†	1963.4	1640.4	0.0458	mg/L	0.0458	mg/L	23:17:11
1	Mg 279.077†	25076.0	21771.7	4.752	mg/L	4.752	mg/L	23:17:01
1	Mn 257.610†	7854.7	6622.8	0.0342	mg/L	0.0342	mg/L	23:17:01
1	Mo 202.031†	37.6	38.0	0.0100	mg/L	0.0100	mg/L	23:17:11
1	Ni 231.604†	549.1	489.8	0.0481	mg/L	0.0481	mg/L	23:17:11
1	P 214.914†	248.9	39.6	0.0286	mg/L	0.0286	mg/L	23:17:11
1	Pb 220.353†	-7.8	8.8	0.0037	mg/L	0.0037	mg/L	23:17:11
1	Sb 206.836†	22.9	0.5	0.0024	mg/L	0.0024	mg/L	23:17:11
1	Se 196.026†	-1.5	-3.3	-0.0019	mg/L	-0.0019	mg/L	23:17:11
1	Sn 189.927†	-67.6	-54.7	-0.0485	mg/L	-0.0485	mg/L	23:17:11
1	Ti 337.279†	-397.2	225.9	0.0010	mg/L	0.0010	mg/L	23:17:01
1	Tl 190.801†	3.3	-0.8	0.0040	mg/L	0.0040	mg/L	23:17:11
1	V 292.402†	-722.4	163.0	0.0030	mg/L	0.0030	mg/L	23:17:01
1	Zn 213.857†	2833.5	1931.4	0.0430	mg/L	0.0430	mg/L	23:17:11
2	B 249.677†	95.9	87.5	0.0508	mg/L	0.0508	mg/L	23:16:57
2	Fe 234.349†	95.3	78.3	0.0407	mg/L	0.0407	mg/L	23:16:57
2	K 766.490†	8066.9	6928.5	3.529	mg/L	3.529	mg/L	23:16:47
2	Li 670.784†	-72.5	76.1	-0.0029	mg/L	-0.0029	mg/L	23:16:47
2	Na 589.592†	250638.0	219933.1	38.52	mg/L	38.52	mg/L	23:16:47
2	Sr 407.771†	79639.1	69616.4	0.0771	mg/L	0.0771	mg/L	23:16:47
2	Y 371.029	709246.6	709246.6	1.14	mg/L			23:17:13
2	Ag 328.068†	1399.8	-209.2	-0.0047	mg/L	-0.0047	mg/L	23:17:13
2	Al 237.313†	-32.7	130.3	0.0440	mg/L	0.0440	mg/L	23:17:24
2	As 188.979†	1.4	-4.0	-0.0092	mg/L	-0.0092	mg/L	23:17:24
2	B 182.528†	5.1	10.0	0.0344	mg/L	0.0344	mg/L	23:17:24
2	Ba 233.527†	722.9	683.2	0.0420	mg/L	0.0420	mg/L	23:17:24
2	Be 313.107†	-374.3	68.9	-0.0001	mg/L	-0.0001	mg/L	23:17:13
2	Ca 315.887†	554207.0	485960.3	16.69	mg/L	16.69	mg/L	23:17:13
2	Cd 228.802†	150.9	78.6	0.0071	mg/L	0.0071	mg/L	23:17:24
2	Co 228.616†	-28.3	9.5	0.0015	mg/L	0.0015	mg/L	23:17:24
2	Cr 267.716†	3586.7	2719.5	0.1028	mg/L	0.1028	mg/L	23:17:13
2	Cu 324.752†	2151.9	20.9	0.0040	mg/L	0.0040	mg/L	23:17:13
2	Fe 238.204†	1987.5	1660.7	0.0464	mg/L	0.0464	mg/L	23:17:24
2	Mg 279.077†	25016.2	21709.6	4.738	mg/L	4.738	mg/L	23:17:13
2	Mn 257.610†	8002.7	6749.2	0.0349	mg/L	0.0349	mg/L	23:17:13
2	Mo 202.031†	40.2	40.2	0.0105	mg/L	0.0105	mg/L	23:17:24
2	Ni 231.604†	545.6	486.6	0.0478	mg/L	0.0478	mg/L	23:17:24
2	P 214.914†	236.7	28.8	0.0184	mg/L	0.0184	mg/L	23:17:24
2	Pb 220.353†	-43.2	-22.2	-0.0076	mg/L	-0.0076	mg/L	23:17:24
2	Sb 206.836†	24.6	2.0	0.0054	mg/L	0.0054	mg/L	23:17:24
2	Se 196.026†	-2.4	-4.2	-0.0031	mg/L	-0.0031	mg/L	23:17:24
2	Sn 189.927†	-59.5	-47.5	-0.0420	mg/L	-0.0420	mg/L	23:17:24
2	Ti 337.279†	-388.2	234.0	0.0011	mg/L	0.0011	mg/L	23:17:13
2	Tl 190.801†	5.4	1.0	0.0105	mg/L	0.0105	mg/L	23:17:24
2	V 292.402†	-761.5	129.0	0.0023	mg/L	0.0023	mg/L	23:17:13
2	Zn 213.857†	2838.8	1935.0	0.0431	mg/L	0.0431	mg/L	23:17:24

 Mean Data: 1210175-08

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	709088.9	1.14 mg/L	0.000			0.03%
Ag 328.068†	-209.8	-0.0047 mg/L	0.00002	-0.0047 mg/L	0.00002	0.33%
Al 237.313†	116.0	0.0386 mg/L	0.00762	0.0386 mg/L	0.00762	19.77%
As 188.979†	-1.5	-0.0035 mg/L	0.00810	-0.0035 mg/L	0.00810	234.62%
B 182.528†	10.4	0.0356 mg/L	0.00174	0.0356 mg/L	0.00174	4.88%
B 249.677†	87.0	0.0505 mg/L	0.00043	0.0505 mg/L	0.00043	0.85%
Ba 233.527†	682.5	0.0419 mg/L	0.00005	0.0419 mg/L	0.00005	0.13%
Be 313.107†	85.6	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	52.75%
Ca 315.887†	486165.4	16.70 mg/L	0.010	16.70 mg/L	0.010	0.06%
Cd 228.802†	79.6	0.0072 mg/L	0.00009	0.0072 mg/L	0.00009	1.29%
Co 228.616†	2.6	0.0010 mg/L	0.00077	0.0010 mg/L	0.00077	79.44%
Cr 267.716†	2724.8	0.1030 mg/L	0.00028	0.1030 mg/L	0.00028	0.28%
Cu 324.752†	44.7	0.0043 mg/L	0.00046	0.0043 mg/L	0.00046	10.58%
Fe 234.349†	76.2	0.0390 mg/L	0.00241	0.0390 mg/L	0.00241	6.19%
Fe 238.204†	1650.5	0.0461 mg/L	0.00040	0.0461 mg/L	0.00040	0.87%
K 766.490†	6969.2	3.551 mg/L	0.0305	3.551 mg/L	0.0305	0.86%
Li 670.784†	89.8	-0.0025 mg/L	0.00056	-0.0025 mg/L	0.00056	22.46%
Mg 279.077†	21740.6	4.745 mg/L	0.0096	4.745 mg/L	0.0096	0.20%
Mn 257.610†	6686.0	0.0346 mg/L	0.00046	0.0346 mg/L	0.00046	1.34%
Mo 202.031†	39.1	0.0102 mg/L	0.00036	0.0102 mg/L	0.00036	3.54%
Na 589.592†	220860.9	38.68 mg/L	0.231	38.68 mg/L	0.231	0.60%
Ni 231.604†	488.2	0.0479 mg/L	0.00022	0.0479 mg/L	0.00022	0.47%
P 214.914†	34.2	0.0235 mg/L	0.00717	0.0235 mg/L	0.00717	30.53%
Pb 220.353†	-6.7	-0.0019 mg/L	0.00801	-0.0019 mg/L	0.00801	414.90%
Sb 206.836†	1.3	0.0039 mg/L	0.00213	0.0039 mg/L	0.00213	54.06%
Se 196.026†	-3.7	-0.0025 mg/L	0.00087	-0.0025 mg/L	0.00087	35.32%
Sn 189.927†	-51.1	-0.0452 mg/L	0.00455	-0.0452 mg/L	0.00455	10.06%
Sr 407.771†	69913.4	0.0774 mg/L	0.00047	0.0774 mg/L	0.00047	0.60%
Ti 337.279†	230.0	0.0011 mg/L	0.00003	0.0011 mg/L	0.00003	2.89%
Tl 190.801†	0.1	0.0073 mg/L	0.00457	0.0073 mg/L	0.00457	62.82%
V 292.402†	146.0	0.0027 mg/L	0.00050	0.0027 mg/L	0.00050	18.68%
Zn 213.857†	1933.2	0.0430 mg/L	0.00006	0.0430 mg/L	0.00006	0.14%

Sequence No.: 33

Sample ID: 1210175-09

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 33

Date Collected: 10/9/2012 11:19:02 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

 Replicate Data: 1210175-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	148.2	131.9	0.0768 mg/L	0.0768 mg/L	23:20:56
1	Fe 234.349†	251.3	212.5	0.1432 mg/L	0.1432 mg/L	23:20:56
1	K 766.490†	9959.9	8493.1	4.359 mg/L	4.359 mg/L	23:20:46
1	Li 670.784†	-98.3	54.4	-0.0035 mg/L	-0.0035 mg/L	23:20:46
1	Na 589.592†	264578.9	229687.3	40.24 mg/L	40.24 mg/L	23:20:46
1	Sr 407.771†	76613.7	66260.4	0.0734 mg/L	0.0734 mg/L	23:20:46
1	Y 371.029	716819.5	716819.5	1.15 mg/L		23:21:12
1	Ag 328.068†	1559.4	-83.9	-0.0021 mg/L	-0.0021 mg/L	23:21:14
1	Al 237.313†	34.9	189.1	0.0665 mg/L	0.0665 mg/L	23:21:24
1	As 188.979†	5.7	-0.3	-0.0006 mg/L	-0.0006 mg/L	23:21:24
1	B 182.528†	17.3	20.6	0.0677 mg/L	0.0677 mg/L	23:21:24
1	Ba 233.527†	1352.4	1221.6	0.0745 mg/L	0.0745 mg/L	23:21:24
1	Be 313.107†	-378.4	68.8	-0.0001 mg/L	-0.0001 mg/L	23:21:14
1	Ca 315.887†	654010.4	567256.2	19.48 mg/L	19.48 mg/L	23:21:12
1	Cd 228.802†	66.8	4.5	0.0002 mg/L	0.0002 mg/L	23:21:24
1	Co 228.616†	-3.4	31.3	0.0033 mg/L	0.0033 mg/L	23:21:24
1	Cr 267.716†	5815.1	4615.9	0.1745 mg/L	0.1745 mg/L	23:21:14
1	Cu 324.752†	2588.2	378.8	0.0089 mg/L	0.0089 mg/L	23:21:14
1	Fe 238.204†	6576.5	5616.0	0.1563 mg/L	0.1563 mg/L	23:21:14
1	Mg 279.077†	21156.1	18135.8	3.962 mg/L	3.962 mg/L	23:21:14
1	Mn 257.610†	69486.9	59914.4	0.3100 mg/L	0.3100 mg/L	23:21:14
1	Mo 202.031†	27.0	28.5	0.0078 mg/L	0.0078 mg/L	23:21:24
1	Ni 231.604†	5582.9	4843.3	0.4826 mg/L	0.4826 mg/L	23:21:14
1	P 214.914†	243.1	32.2	0.0218 mg/L	0.0218 mg/L	23:21:24

1	Pb 220.353†	-19.3	-1.1	0.0001 mg/L	0.0001 mg/L	23:21:24
1	Sb 206.836†	24.7	1.8	0.0050 mg/L	0.0050 mg/L	23:21:24
1	Se 196.026†	2.1	-0.2	0.0029 mg/L	0.0029 mg/L	23:21:24
1	Sn 189.927†	-56.5	-44.3	-0.0389 mg/L	-0.0389 mg/L	23:21:24
1	Ti 337.279†	-300.6	313.4	0.0015 mg/L	0.0015 mg/L	23:21:14
1	Tl 190.801†	0.5	-3.2	-0.0047 mg/L	-0.0047 mg/L	23:21:24
1	V 292.402†	-788.1	113.1	0.0024 mg/L	0.0024 mg/L	23:21:14
1	Zn 213.857†	3146.7	2175.3	0.0462 mg/L	0.0462 mg/L	23:21:24
2	B 249.677†	157.5	141.1	0.0822 mg/L	0.0822 mg/L	23:21:08
2	Fe 234.349†	245.1	208.9	0.1401 mg/L	0.1401 mg/L	23:21:08
2	K 766.490†	9960.8	8565.3	4.398 mg/L	4.398 mg/L	23:20:58
2	Li 670.784†	-56.3	90.4	-0.0025 mg/L	-0.0025 mg/L	23:20:58
2	Na 589.592†	265234.8	232156.6	40.67 mg/L	40.67 mg/L	23:20:58
2	Sr 407.771†	76912.3	67070.2	0.0743 mg/L	0.0743 mg/L	23:20:58
2	Y 371.029	710933.6	710933.6	1.15 mg/L		23:21:26
2	Ag 328.068†	1527.6	-100.5	-0.0025 mg/L	-0.0025 mg/L	23:21:29
2	Al 237.313†	6.4	164.5	0.0573 mg/L	0.0573 mg/L	23:21:39
2	As 188.979†	1.7	-3.7	-0.0084 mg/L	-0.0084 mg/L	23:21:39
2	B 182.528†	25.5	27.8	0.0903 mg/L	0.0903 mg/L	23:21:39
2	Ba 233.527†	1353.2	1231.9	0.0751 mg/L	0.0751 mg/L	23:21:39
2	Be 313.107†	-341.4	98.4	0.0000 mg/L	0.0000 mg/L	23:21:29
2	Ca 315.887†	650960.0	569281.5	19.55 mg/L	19.55 mg/L	23:21:26
2	Cd 228.802†	66.9	5.0	0.0003 mg/L	0.0003 mg/L	23:21:39
2	Co 228.616†	-14.5	21.6	0.0025 mg/L	0.0025 mg/L	23:21:39
2	Cr 267.716†	5742.0	4593.7	0.1736 mg/L	0.1736 mg/L	23:21:29
2	Cu 324.752†	2551.5	365.3	0.0087 mg/L	0.0087 mg/L	23:21:29
2	Fe 238.204†	6386.7	5497.4	0.1530 mg/L	0.1530 mg/L	23:21:29
2	Mg 279.077†	20816.6	17991.1	3.931 mg/L	3.931 mg/L	23:21:29
2	Mn 257.610†	68210.3	59298.1	0.3068 mg/L	0.3068 mg/L	23:21:29
2	Mo 202.031†	42.7	42.3	0.0109 mg/L	0.0109 mg/L	23:21:39
2	Ni 231.604†	5512.9	4822.3	0.4805 mg/L	0.4805 mg/L	23:21:29
2	P 214.914†	272.8	59.9	0.0478 mg/L	0.0478 mg/L	23:21:39
2	Pb 220.353†	-37.0	-16.7	-0.0056 mg/L	-0.0056 mg/L	23:21:39
2	Sb 206.836†	23.0	0.5	0.0024 mg/L	0.0024 mg/L	23:21:39
2	Se 196.026†	-1.4	-3.3	-0.0017 mg/L	-0.0017 mg/L	23:21:39
2	Sn 189.927†	-66.9	-53.9	-0.0474 mg/L	-0.0474 mg/L	23:21:39
2	Ti 337.279†	-434.0	194.8	0.0009 mg/L	0.0009 mg/L	23:21:29
2	Tl 190.801†	3.1	-0.9	0.0035 mg/L	0.0035 mg/L	23:21:39
2	V 292.402†	-770.5	122.7	0.0026 mg/L	0.0026 mg/L	23:21:29
2	Zn 213.857†	3160.9	2210.3	0.0470 mg/L	0.0470 mg/L	23:21:39

Mean Data: 1210175-09

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	713876.6	1.15	mg/L	0.007				0.58%
Ag 328.068†	-92.2	-0.0023	mg/L	0.00024	-0.0023	mg/L	0.00024	10.30%
Al 237.313†	176.8	0.0619	mg/L	0.00654	0.0619	mg/L	0.00654	10.57%
As 188.979†	-2.0	-0.0045	mg/L	0.00549	-0.0045	mg/L	0.00549	122.83%
B 182.528†	24.2	0.0790	mg/L	0.01602	0.0790	mg/L	0.01602	20.29%
B 249.677†	136.5	0.0795	mg/L	0.00381	0.0795	mg/L	0.00381	4.79%
Ba 233.527†	1226.8	0.0748	mg/L	0.00044	0.0748	mg/L	0.00044	0.59%
Be 313.107†	83.6	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	52.32%
Ca 315.887†	568268.8	19.52	mg/L	0.049	19.52	mg/L	0.049	0.25%
Cd 228.802†	4.7	0.0003	mg/L	0.00006	0.0003	mg/L	0.00006	23.21%
Co 228.616†	26.5	0.0029	mg/L	0.00055	0.0029	mg/L	0.00055	19.10%
Cr 267.716†	4604.8	0.1741	mg/L	0.00059	0.1741	mg/L	0.00059	0.34%
Cu 324.752†	372.0	0.0088	mg/L	0.00013	0.0088	mg/L	0.00013	1.48%
Fe 234.349†	210.7	0.1416	mg/L	0.00213	0.1416	mg/L	0.00213	1.50%
Fe 238.204†	5556.7	0.1546	mg/L	0.00233	0.1546	mg/L	0.00233	1.51%
K 766.490†	8529.2	4.378	mg/L	0.0271	4.378	mg/L	0.0271	0.62%
Li 670.784†	72.4	-0.0030	mg/L	0.00073	-0.0030	mg/L	0.00073	24.45%
Mg 279.077†	18063.5	3.947	mg/L	0.0223	3.947	mg/L	0.0223	0.56%
Mn 257.610†	59606.3	0.3084	mg/L	0.00226	0.3084	mg/L	0.00226	0.73%
Mo 202.031†	35.4	0.0094	mg/L	0.00223	0.0094	mg/L	0.00223	23.81%
Na 589.592†	230922.0	40.46	mg/L	0.308	40.46	mg/L	0.308	0.76%
Ni 231.604†	4832.8	0.4815	mg/L	0.00148	0.4815	mg/L	0.00148	0.31%
P 214.914†	46.1	0.0348	mg/L	0.01837	0.0348	mg/L	0.01837	52.80%
Pb 220.353†	-8.9	-0.0027	mg/L	0.00403	-0.0027	mg/L	0.00403	147.34%
Sb 206.836†	1.2	0.0037	mg/L	0.00185	0.0037	mg/L	0.00185	50.39%
Se 196.026†	-1.7	0.0006	mg/L	0.00326	0.0006	mg/L	0.00326	536.03%
Sn 189.927†	-49.1	-0.0431	mg/L	0.00604	-0.0431	mg/L	0.00604	14.00%
Sr 407.771†	66665.3	0.0738	mg/L	0.00064	0.0738	mg/L	0.00064	0.86%

Ti 337.279†	254.1	0.0012 mg/L	0.00045	0.0012 mg/L	0.00045	37.86%
Tl 190.801†	-2.1	-0.0006 mg/L	0.00580	-0.0006 mg/L	0.00580	927.52%
V 292.402†	117.9	0.0025 mg/L	0.00016	0.0025 mg/L	0.00016	6.25%
Zn 213.857†	2192.8	0.0466 mg/L	0.00057	0.0466 mg/L	0.00057	1.23%

Sequence No.: 34
Sample ID: 1210181-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 10/9/2012 11:23:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210181-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	67.8	63.7	0.0453	mg/L	0.0453	mg/L	23:25:11
1	Fe 234.349†	8822.6	7815.9	6.459	mg/L	6.459	mg/L	23:25:11
1	K 766.490†	23171.2	20409.7	10.68	mg/L	10.68	mg/L	23:25:01
1	Li 670.784†	8.8	147.3	-0.0008	mg/L	-0.0008	mg/L	23:25:01
1	Na 589.592†	573662.4	509130.4	89.49	mg/L	89.49	mg/L	23:25:01
1	Sr 407.771†	90679.8	80306.6	0.0890	mg/L	0.0890	mg/L	23:25:01
1	Y 371.029	700176.5	700176.5	1.13	mg/L			23:25:27
1	Ag 328.068†	1443.4	-154.7	-0.0031	mg/L	-0.0031	mg/L	23:25:27
1	Al 237.313†	350.3	469.4	0.1708	mg/L	0.1708	mg/L	23:25:27
1	As 188.979†	1.4	-4.0	-0.0062	mg/L	-0.0062	mg/L	23:25:37
1	B 182.528†	6.3	11.1	0.0379	mg/L	0.0379	mg/L	23:25:37
1	Ba 233.527†	5730.6	5130.6	0.3105	mg/L	0.3105	mg/L	23:25:27
1	Be 313.107†	-408.7	34.2	-0.0001	mg/L	-0.0001	mg/L	23:25:27
1	Ca 315.887†	119330.4	106732.2	3.656	mg/L	3.656	mg/L	23:25:27
1	Cd 228.802†	59.4	-0.7	-0.0002	mg/L	-0.0002	mg/L	23:25:37
1	Co 228.616†	-52.9	-12.6	0.0049	mg/L	0.0049	mg/L	23:25:37
1	Cr 267.716†	405.7	-59.8	0.0086	mg/L	0.0086	mg/L	23:25:27
1	Cu 324.752†	54866.4	46775.8	0.6438	mg/L	0.6438	mg/L	23:25:27
1	Fe 238.204†	276321.9	244876.2	6.803	mg/L	6.803	mg/L	23:25:27
1	Mg 279.077†	4471.4	3780.6	0.8402	mg/L	0.8402	mg/L	23:25:27
1	Mn 257.610†	32366.8	28438.3	0.1471	mg/L	0.1471	mg/L	23:25:27
1	Mo 202.031†	43846.5	38874.3	8.838	mg/L	8.838	mg/L	23:25:27
1	Ni 231.604†	69.6	70.8	0.0205	mg/L	0.0205	mg/L	23:25:37
1	P 214.914†	95278.2	84284.2	79.14	mg/L	79.14	mg/L	23:25:27
1	Pb 220.353†	-116.3	-87.5	-0.0308	mg/L	-0.0308	mg/L	23:25:37
1	Sb 206.836†	32.3	9.1	0.0170	mg/L	0.0170	mg/L	23:25:37
1	Se 196.026†	1.9	-0.3	0.0054	mg/L	0.0054	mg/L	23:25:37
1	Sn 189.927†	-22.8	-15.6	0.0053	mg/L	0.0053	mg/L	23:25:37
1	Ti 337.279†	1892.6	2251.5	0.0119	mg/L	0.0119	mg/L	23:25:27
1	Tl 190.801†	-2.6	-5.9	-0.0177	mg/L	-0.0177	mg/L	23:25:37
1	V 292.402†	-4044.1	-2789.6	0.0035	mg/L	0.0035	mg/L	23:25:27
1	Zn 213.857†	6249.9	4991.0	0.1118	mg/L	0.1118	mg/L	23:25:37
2	B 249.677†	64.1	60.4	0.0433	mg/L	0.0433	mg/L	23:25:23
2	Fe 234.349†	8941.1	7932.6	6.555	mg/L	6.555	mg/L	23:25:23
2	K 766.490†	23412.0	20653.4	10.81	mg/L	10.81	mg/L	23:25:13
2	Li 670.784†	-43.4	101.0	-0.0022	mg/L	-0.0022	mg/L	23:25:13
2	Na 589.592†	579345.6	514916.0	90.51	mg/L	90.51	mg/L	23:25:13
2	Sr 407.771†	91811.6	81428.4	0.0902	mg/L	0.0902	mg/L	23:25:13
2	Y 371.029	699158.7	699158.7	1.13	mg/L			23:25:40
2	Ag 328.068†	1419.7	-173.8	-0.0035	mg/L	-0.0035	mg/L	23:25:40
2	Al 237.313†	452.9	561.0	0.2052	mg/L	0.2052	mg/L	23:25:40
2	As 188.979†	-2.6	-7.5	-0.0143	mg/L	-0.0143	mg/L	23:25:50
2	B 182.528†	5.3	10.3	0.0352	mg/L	0.0352	mg/L	23:25:50
2	Ba 233.527†	5703.9	5114.3	0.3096	mg/L	0.3096	mg/L	23:25:40
2	Be 313.107†	-336.6	97.6	0.0000	mg/L	0.0000	mg/L	23:25:40
2	Ca 315.887†	118376.9	106039.7	3.632	mg/L	3.632	mg/L	23:25:40
2	Cd 228.802†	66.0	5.2	0.0004	mg/L	0.0004	mg/L	23:25:50
2	Co 228.616†	-49.6	-9.8	0.0051	mg/L	0.0051	mg/L	23:25:50
2	Cr 267.716†	401.5	-63.0	0.0084	mg/L	0.0084	mg/L	23:25:40
2	Cu 324.752†	54794.8	46783.1	0.6439	mg/L	0.6439	mg/L	23:25:40
2	Fe 238.204†	275260.1	244290.1	6.787	mg/L	6.787	mg/L	23:25:40
2	Mg 279.077†	4483.6	3797.2	0.8438	mg/L	0.8438	mg/L	23:25:40
2	Mn 257.610†	32197.3	28329.6	0.1466	mg/L	0.1466	mg/L	23:25:40
2	Mo 202.031†	43582.5	38696.5	8.797	mg/L	8.797	mg/L	23:25:40
2	Ni 231.604†	70.9	72.1	0.0206	mg/L	0.0206	mg/L	23:25:50
2	P 214.914†	95225.3	84360.3	79.21	mg/L	79.21	mg/L	23:25:40
2	Pb 220.353†	-95.7	-69.4	-0.0242	mg/L	-0.0242	mg/L	23:25:50

2	Sb 206.836†	25.4	3.0	0.0046 mg/L	0.0046 mg/L	23:25:50
2	Se 196.026†	-1.8	-3.6	0.0005 mg/L	0.0005 mg/L	23:25:50
2	Sn 189.927†	-15.8	-9.5	0.0111 mg/L	0.0111 mg/L	23:25:50
2	Ti 337.279†	2149.1	2481.6	0.0132 mg/L	0.0132 mg/L	23:25:40
2	Tl 190.801†	1.3	-2.5	-0.0055 mg/L	-0.0055 mg/L	23:25:50
2	V 292.402†	-4038.6	-2790.0	0.0032 mg/L	0.0032 mg/L	23:25:40
2	Zn 213.857†	6196.0	4951.2	0.1108 mg/L	0.1108 mg/L	23:25:50

Mean Data: 1210181-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	699667.6	1.13 mg/L	0.001			0.10%
Ag 328.068†	-164.3	-0.0033 mg/L	0.00027	-0.0033 mg/L	0.00027	8.18%
Al 237.313†	515.2	0.1880 mg/L	0.02433	0.1880 mg/L	0.02433	12.95%
As 188.979†	-5.7	-0.0103 mg/L	0.00572	-0.0103 mg/L	0.00572	55.59%
B 182.528†	10.7	0.0366 mg/L	0.00186	0.0366 mg/L	0.00186	5.10%
B 249.677†	62.0	0.0443 mg/L	0.00136	0.0443 mg/L	0.00136	3.08%
Ba 233.527†	5122.5	0.3100 mg/L	0.00069	0.3100 mg/L	0.00069	0.22%
Be 313.107†	65.9	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005	60.29%
Ca 315.887†	106386.0	3.644 mg/L	0.0168	3.644 mg/L	0.0168	0.46%
Cd 228.802†	2.2	0.0001 mg/L	0.00042	0.0001 mg/L	0.00042	553.94%
Co 228.616†	-11.2	0.0050 mg/L	0.00014	0.0050 mg/L	0.00014	2.83%
Cr 267.716†	-61.4	0.0085 mg/L	0.00012	0.0085 mg/L	0.00012	1.41%
Cu 324.752†	46779.4	0.6439 mg/L	0.00007	0.6439 mg/L	0.00007	0.01%
Fe 234.349†	7874.2	6.507 mg/L	0.0683	6.507 mg/L	0.0683	1.05%
Fe 238.204†	244583.1	6.795 mg/L	0.0115	6.795 mg/L	0.0115	0.17%
K 766.490†	20531.6	10.75 mg/L	0.091	10.75 mg/L	0.091	0.85%
Li 670.784†	124.1	-0.0015 mg/L	0.00094	-0.0015 mg/L	0.00094	62.68%
Mg 279.077†	3788.9	0.8420 mg/L	0.00255	0.8420 mg/L	0.00255	0.30%
Mn 257.610†	28383.9	0.1468 mg/L	0.00040	0.1468 mg/L	0.00040	0.27%
Mo 202.031†	38785.4	8.818 mg/L	0.0286	8.818 mg/L	0.0286	0.32%
Na 589.592†	512023.2	90.00 mg/L	0.721	90.00 mg/L	0.721	0.80%
Ni 231.604†	71.5	0.0205 mg/L	0.00004	0.0205 mg/L	0.00004	0.21%
P 214.914†	84322.3	79.17 mg/L	0.051	79.17 mg/L	0.051	0.06%
Pb 220.353†	-78.4	-0.0275 mg/L	0.00466	-0.0275 mg/L	0.00466	16.95%
Sb 206.836†	6.0	0.0108 mg/L	0.00880	0.0108 mg/L	0.00880	81.58%
Se 196.026†	-2.0	0.0029 mg/L	0.00347	0.0029 mg/L	0.00347	118.64%
Sn 189.927†	-12.6	0.0082 mg/L	0.00412	0.0082 mg/L	0.00412	50.26%
Sr 407.771†	80867.5	0.0896 mg/L	0.00088	0.0896 mg/L	0.00088	0.98%
Ti 337.279†	2366.5	0.0125 mg/L	0.00087	0.0125 mg/L	0.00087	6.97%
Tl 190.801†	-4.2	-0.0116 mg/L	0.00866	-0.0116 mg/L	0.00866	74.71%
V 292.402†	-2789.8	0.0033 mg/L	0.00023	0.0033 mg/L	0.00023	6.78%
Zn 213.857†	4971.1	0.1113 mg/L	0.00064	0.1113 mg/L	0.00064	0.58%

Sequence No.: 35

Autosampler Location: 35

Sample ID: 1210182-01

Date Collected: 10/9/2012 11:27:29 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210182-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	17.7	19.9	0.0112 mg/L	0.0112 mg/L	23:29:22
1	Fe 234.349†	75.0	63.9	0.0418 mg/L	0.0418 mg/L	23:29:22
1	K 766.490†	1579.7	1321.3	0.5550 mg/L	0.5550 mg/L	23:29:12
1	Li 670.784†	-41.5	101.3	-0.0021 mg/L	-0.0021 mg/L	23:29:12
1	Na 589.592†	146841.9	135606.1	23.66 mg/L	23.66 mg/L	23:29:12
1	Sr 407.771†	19956.3	18269.9	0.0201 mg/L	0.0201 mg/L	23:29:12
1	Y 371.029	675051.0	675051.0	1.09 mg/L		23:29:39
1	Ag 328.068†	1499.0	-55.9	-0.0016 mg/L	-0.0016 mg/L	23:29:39
1	Al 237.313†	13.4	171.3	0.0587 mg/L	0.0587 mg/L	23:29:49
1	As 188.979†	3.5	-2.0	-0.0046 mg/L	-0.0046 mg/L	23:29:49
1	B 182.528†	-0.9	4.8	0.0179 mg/L	0.0179 mg/L	23:29:49
1	Ba 233.527†	85.9	129.5	0.0085 mg/L	0.0085 mg/L	23:29:49
1	Be 313.107†	-400.2	28.5	-0.0001 mg/L	-0.0001 mg/L	23:29:39
1	Ca 315.887†	90700.9	84345.4	2.904 mg/L	2.904 mg/L	23:29:39
1	Cd 228.802†	60.8	2.5	0.0001 mg/L	0.0001 mg/L	23:29:49
1	Co 228.616†	-49.5	-11.2	-0.0001 mg/L	-0.0001 mg/L	23:29:49
1	Cr 267.716†	419.3	-33.9	-0.0013 mg/L	-0.0013 mg/L	23:29:39

1	Cu	324.752†	2019.4	-5.6	0.0037	mg/L	0.0037	mg/L	23:29:39
1	Fe	238.204†	2127.6	1877.6	0.0524	mg/L	0.0524	mg/L	23:29:49
1	Mg	279.077†	4460.0	3917.7	0.8696	mg/L	0.8696	mg/L	23:29:39
1	Mn	257.610†	2520.9	2063.6	0.0107	mg/L	0.0107	mg/L	23:29:49
1	Mo	202.031†	20.3	23.7	0.0067	mg/L	0.0067	mg/L	23:29:49
1	Ni	231.604†	-8.9	0.9	-0.0007	mg/L	-0.0007	mg/L	23:29:49
1	P	214.914†	230.0	33.2	0.0225	mg/L	0.0225	mg/L	23:29:49
1	Pb	220.353†	-11.7	4.9	0.0023	mg/L	0.0023	mg/L	23:29:49
1	Sb	206.836†	31.5	9.4	0.0206	mg/L	0.0206	mg/L	23:29:49
1	Se	196.026†	-4.6	-6.3	-0.0063	mg/L	-0.0063	mg/L	23:29:49
1	Sn	189.927†	-11.8	-6.2	-0.0050	mg/L	-0.0050	mg/L	23:29:49
1	Ti	337.279†	-425.0	183.0	0.0008	mg/L	0.0008	mg/L	23:29:39
1	Tl	190.801†	5.2	1.1	0.0107	mg/L	0.0107	mg/L	23:29:49
1	V	292.402†	-759.1	97.5	0.0010	mg/L	0.0010	mg/L	23:29:39
1	Zn	213.857†	1553.0	878.6	0.0193	mg/L	0.0193	mg/L	23:29:49
2	B	249.677†	20.4	22.4	0.0127	mg/L	0.0127	mg/L	23:29:35
2	Fe	234.349†	71.1	60.4	0.0389	mg/L	0.0389	mg/L	23:29:35
2	K	766.490†	1631.7	1372.3	0.5821	mg/L	0.5821	mg/L	23:29:25
2	Li	670.784†	-93.6	53.3	-0.0035	mg/L	-0.0035	mg/L	23:29:25
2	Na	589.592†	145577.4	134723.3	23.50	mg/L	23.50	mg/L	23:29:25
2	Sr	407.771†	19715.4	18086.3	0.0199	mg/L	0.0199	mg/L	23:29:25
2	Y	371.029	673642.4	673642.4	1.09	mg/L			23:29:51
2	Ag	328.068†	1440.3	-107.1	-0.0026	mg/L	-0.0026	mg/L	23:29:51
2	Al	237.313†	18.1	175.6	0.0603	mg/L	0.0603	mg/L	23:30:01
2	As	188.979†	6.4	0.6	0.0016	mg/L	0.0016	mg/L	23:30:01
2	B	182.528†	-1.8	4.0	0.0153	mg/L	0.0153	mg/L	23:30:01
2	Ba	233.527†	65.9	111.2	0.0074	mg/L	0.0074	mg/L	23:30:01
2	Be	313.107†	-260.4	156.5	0.0000	mg/L	0.0000	mg/L	23:29:51
2	Ca	315.887†	89834.7	83721.6	2.883	mg/L	2.883	mg/L	23:29:51
2	Cd	228.802†	56.4	-1.4	-0.0003	mg/L	-0.0003	mg/L	23:30:01
2	Co	228.616†	-29.4	7.2	0.0013	mg/L	0.0013	mg/L	23:30:01
2	Cr	267.716†	401.6	-49.4	-0.0019	mg/L	-0.0019	mg/L	23:29:51
2	Cu	324.752†	1976.1	-41.5	0.0032	mg/L	0.0032	mg/L	23:29:51
2	Fe	238.204†	2132.0	1885.8	0.0526	mg/L	0.0526	mg/L	23:30:01
2	Mg	279.077†	4410.0	3880.1	0.8614	mg/L	0.8614	mg/L	23:29:51
2	Mn	257.610†	2496.7	2046.1	0.0106	mg/L	0.0106	mg/L	23:30:01
2	Mo	202.031†	15.1	19.0	0.0057	mg/L	0.0057	mg/L	23:30:01
2	Ni	231.604†	-2.0	7.3	-0.0001	mg/L	-0.0001	mg/L	23:30:01
2	P	214.914†	237.0	40.0	0.0290	mg/L	0.0290	mg/L	23:30:01
2	Pb	220.353†	-29.0	-11.1	-0.0035	mg/L	-0.0035	mg/L	23:30:01
2	Sb	206.836†	24.8	3.3	0.0082	mg/L	0.0082	mg/L	23:30:01
2	Se	196.026†	-0.5	-2.5	-0.0006	mg/L	-0.0006	mg/L	23:30:01
2	Sn	189.927†	-4.2	0.7	0.0012	mg/L	0.0012	mg/L	23:30:01
2	Ti	337.279†	-574.4	44.4	0.0001	mg/L	0.0001	mg/L	23:29:51
2	Tl	190.801†	3.7	-0.2	0.0061	mg/L	0.0061	mg/L	23:30:01
2	V	292.402†	-655.3	191.7	0.0030	mg/L	0.0030	mg/L	23:29:51
2	Zn	213.857†	1549.4	878.2	0.0193	mg/L	0.0193	mg/L	23:30:01

Mean Data: 1210182-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	674346.7	1.09	mg/L	0.002				0.15%
Ag 328.068†	-81.5	-0.0021	mg/L	0.00073	-0.0021	mg/L	0.00073	34.92%
Al 237.313†	173.4	0.0595	mg/L	0.00117	0.0595	mg/L	0.00117	1.96%
As 188.979†	-0.7	-0.0015	mg/L	0.00436	-0.0015	mg/L	0.00436	285.65%
B 182.528†	4.4	0.0166	mg/L	0.00180	0.0166	mg/L	0.00180	10.86%
B 249.677†	21.1	0.0120	mg/L	0.00104	0.0120	mg/L	0.00104	8.70%
Ba 233.527†	120.4	0.0080	mg/L	0.00078	0.0080	mg/L	0.00078	9.80%
Be 313.107†	92.5	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	189.88%
Ca 315.887†	84033.5	2.893	mg/L	0.0151	2.893	mg/L	0.0151	0.52%
Cd 228.802†	0.5	-0.0001	mg/L	0.00028	-0.0001	mg/L	0.00028	200.23%
Co 228.616†	-2.0	0.0006	mg/L	0.00103	0.0006	mg/L	0.00103	172.41%
Cr 267.716†	-41.6	-0.0016	mg/L	0.00042	-0.0016	mg/L	0.00042	25.76%
Cu 324.752†	-23.6	0.0034	mg/L	0.00035	0.0034	mg/L	0.00035	10.20%
Fe 234.349†	62.1	0.0403	mg/L	0.00205	0.0403	mg/L	0.00205	5.08%
Fe 238.204†	1881.7	0.0525	mg/L	0.00016	0.0525	mg/L	0.00016	0.31%
K 766.490†	1346.8	0.5686	mg/L	0.01913	0.5686	mg/L	0.01913	3.36%
Li 670.784†	77.3	-0.0028	mg/L	0.00097	-0.0028	mg/L	0.00097	34.28%
Mg 279.077†	3898.9	0.8655	mg/L	0.00578	0.8655	mg/L	0.00578	0.67%
Mn 257.610†	2054.8	0.0106	mg/L	0.00006	0.0106	mg/L	0.00006	0.60%
Mo 202.031†	21.3	0.0062	mg/L	0.00076	0.0062	mg/L	0.00076	12.26%
Na 589.592†	135164.7	23.58	mg/L	0.110	23.58	mg/L	0.110	0.47%

Ni 231.604†	4.1	-0.0004	mg/L	0.00045	-0.0004	mg/L	0.00045	117.37%
P 214.914†	36.6	0.0257	mg/L	0.00458	0.0257	mg/L	0.00458	17.81%
Pb 220.353†	-3.1	-0.0006	mg/L	0.00413	-0.0006	mg/L	0.00413	700.02%
Sb 206.836†	6.4	0.0144	mg/L	0.00880	0.0144	mg/L	0.00880	61.18%
Se 196.026†	-4.4	-0.0035	mg/L	0.00402	-0.0035	mg/L	0.00402	116.28%
Sn 189.927†	-2.8	-0.0019	mg/L	0.00440	-0.0019	mg/L	0.00440	227.80%
Sr 407.771†	18178.1	0.0200	mg/L	0.00014	0.0200	mg/L	0.00014	0.72%
Ti 337.279†	113.7	0.0004	mg/L	0.00053	0.0004	mg/L	0.00053	120.74%
Tl 190.801†	0.4	0.0084	mg/L	0.00325	0.0084	mg/L	0.00325	38.69%
V 292.402†	144.6	0.0020	mg/L	0.00138	0.0020	mg/L	0.00138	69.17%
Zn 213.857†	878.4	0.0193	mg/L	0.00001	0.0193	mg/L	0.00001	0.04%

Sequence No.: 36
Sample ID: 1210124-01 @ 3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 10/9/2012 11:31:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210124-01 @ 3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-0.9	2.8	0.0012	mg/L	0.0012	mg/L	23:33:32
1	Fe 234.349†	90578.7	80122.4	66.32	mg/L	66.32	mg/L	23:33:22
1	K 766.490†	8027.6	6970.2	3.551	mg/L	3.551	mg/L	23:33:32
1	Li 670.784†	2279.2	2155.7	0.0567	mg/L	0.0567	mg/L	23:33:32
1	Na 589.592†	2366.8	2681.8	0.2267	mg/L	0.2267	mg/L	23:33:32
1	Sr 407.771†	59914.8	52922.2	0.0586	mg/L	0.0586	mg/L	23:33:22
1	Y 371.029	701652.9	701652.9	1.13	mg/L			23:33:49
1	Ag 328.068†	1292.1	-291.2	-0.0012	mg/L	-0.0012	mg/L	23:33:51
1	Al 237.313†	103919.0	92087.6	34.61	mg/L	34.61	mg/L	23:33:51
1	As 188.979†	21.3	13.6	0.0589	mg/L	0.0589	mg/L	23:34:01
1	B 182.528†	-1.2	4.5	0.0171	mg/L	0.0171	mg/L	23:34:01
1	Ba 233.527†	5791.3	5173.6	0.3130	mg/L	0.3130	mg/L	23:33:51
1	Be 313.107†	3053.1	3097.3	0.0031	mg/L	0.0031	mg/L	23:33:51
1	Ca 315.887†	189845.4	168888.5	5.807	mg/L	5.807	mg/L	23:33:49
1	Cd 228.802†	121.6	54.2	0.0047	mg/L	0.0047	mg/L	23:34:01
1	Co 228.616†	390.3	379.5	0.0275	mg/L	0.0275	mg/L	23:34:01
1	Cr 267.716†	1791.9	1165.7	0.0440	mg/L	0.0440	mg/L	23:33:51
1	Cu 324.752†	49443.3	41876.1	0.5781	mg/L	0.5781	mg/L	23:33:51
1	Fe 238.204†	2770817.6	2451037.0	68.10	mg/L	68.10	mg/L	23:33:49
1	Mg 279.077†	51344.1	45236.7	9.859	mg/L	9.859	mg/L	23:33:51
1	Mn 257.610†	338910.8	299552.3	1.550	mg/L	1.550	mg/L	23:33:49
1	Mo 202.031†	52.8	51.8	-0.0079	mg/L	-0.0079	mg/L	23:34:01
1	Ni 231.604†	651.6	585.5	0.0577	mg/L	0.0577	mg/L	23:34:01
1	P 214.914†	2444.1	1983.8	2.001	mg/L	2.001	mg/L	23:34:01
1	Pb 220.353†	2664.1	2372.3	0.8566	mg/L	0.8566	mg/L	23:34:01
1	Sb 206.836†	27.4	4.7	-0.0184	mg/L	-0.0184	mg/L	23:34:01
1	Se 196.026†	0.8	-1.3	0.0294	mg/L	0.0294	mg/L	23:34:01
1	Sn 189.927†	50.5	49.2	0.2385	mg/L	0.2385	mg/L	23:34:01
1	Ti 337.279†	363165.0	321836.0	1.730	mg/L	1.730	mg/L	23:33:49
1	Tl 190.801†	0.2	-3.5	-0.0457	mg/L	-0.0457	mg/L	23:34:01
1	V 292.402†	4793.3	5035.7	0.0902	mg/L	0.0902	mg/L	23:33:51
1	Zn 213.857†	33219.6	28837.3	0.6547	mg/L	0.6547	mg/L	23:33:51
2	B 249.677†	6.4	9.3	0.0049	mg/L	0.0049	mg/L	23:33:44
2	Fe 234.349†	91980.2	81979.5	67.86	mg/L	67.86	mg/L	23:33:34
2	K 766.490†	8081.6	7072.1	3.606	mg/L	3.606	mg/L	23:33:44
2	Li 670.784†	2281.0	2172.6	0.0571	mg/L	0.0571	mg/L	23:33:44
2	Na 589.592†	2352.7	2685.2	0.2273	mg/L	0.2273	mg/L	23:33:44
2	Sr 407.771†	60883.7	54187.9	0.0600	mg/L	0.0600	mg/L	23:33:34
2	Y 371.029	696370.1	696370.1	1.12	mg/L			23:34:04
2	Ag 328.068†	1339.4	-240.4	0.0000	mg/L	0.0000	mg/L	23:34:06
2	Al 237.313†	103671.3	92564.1	34.79	mg/L	34.79	mg/L	23:34:06
2	As 188.979†	19.3	12.0	0.0560	mg/L	0.0560	mg/L	23:34:16
2	B 182.528†	1.7	7.1	0.0253	mg/L	0.0253	mg/L	23:34:16
2	Ba 233.527†	5759.2	5183.8	0.3137	mg/L	0.3137	mg/L	23:34:06
2	Be 313.107†	3053.0	3117.7	0.0032	mg/L	0.0032	mg/L	23:34:06
2	Ca 315.887†	188431.2	168902.0	5.808	mg/L	5.808	mg/L	23:34:04
2	Cd 228.802†	115.9	49.9	0.0043	mg/L	0.0043	mg/L	23:34:16
2	Co 228.616†	386.4	378.7	0.0275	mg/L	0.0275	mg/L	23:34:16
2	Cr 267.716†	1823.5	1205.9	0.0456	mg/L	0.0456	mg/L	23:34:06
2	Cu 324.752†	49435.3	42200.7	0.5826	mg/L	0.5826	mg/L	23:34:06

2	Fe 238.204†	2752464.7	2453272.8	68.16 mg/L	68.16 mg/L	23:34:04
2	Mg 279.077†	51244.8	45492.7	9.915 mg/L	9.915 mg/L	23:34:06
2	Mn 257.610†	336435.6	299620.5	1.550 mg/L	1.550 mg/L	23:34:04
2	Mo 202.031†	53.8	53.0	-0.0081 mg/L	-0.0081 mg/L	23:34:16
2	Ni 231.604†	654.3	592.3	0.0583 mg/L	0.0583 mg/L	23:34:16
2	P 214.914†	2475.3	2028.0	2.046 mg/L	2.046 mg/L	23:34:16
2	Pb 220.353†	2679.0	2403.5	0.8679 mg/L	0.8679 mg/L	23:34:16
2	Sb 206.836†	33.6	10.3	-0.0075 mg/L	-0.0075 mg/L	23:34:16
2	Se 196.026†	-11.1	-11.9	0.0141 mg/L	0.0141 mg/L	23:34:16
2	Sn 189.927†	62.1	59.9	0.2526 mg/L	0.2526 mg/L	23:34:16
2	Ti 337.279†	360204.6	321634.5	1.729 mg/L	1.729 mg/L	23:34:04
2	Tl 190.801†	2.7	-1.3	-0.0389 mg/L	-0.0389 mg/L	23:34:16
2	V 292.402†	4770.6	5047.6	0.0902 mg/L	0.0902 mg/L	23:34:06
2	Zn 213.857†	33165.0	29011.5	0.6587 mg/L	0.6587 mg/L	23:34:06

Mean Data: 1210124-01 @ 3

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	699011.5	1.13 mg/L	0.006			0.53%
Ag 328.068†	-265.8	-0.0006 mg/L	0.00081	-0.0006 mg/L	0.00081	131.89%
Al 237.313†	92325.9	34.70 mg/L	0.127	34.70 mg/L	0.127	0.37%
As 188.979†	12.8	0.0574 mg/L	0.00211	0.0574 mg/L	0.00211	3.68%
B 182.528†	5.8	0.0212 mg/L	0.00575	0.0212 mg/L	0.00575	27.12%
B 249.677†	6.0	0.0030 mg/L	0.00267	0.0030 mg/L	0.00267	87.52%
Ba 233.527†	5178.7	0.3134 mg/L	0.00044	0.3134 mg/L	0.00044	0.14%
Be 313.107†	3107.5	0.0031 mg/L	0.00002	0.0031 mg/L	0.00002	0.49%
Ca 315.887†	168895.3	5.807 mg/L	0.0003	5.807 mg/L	0.0003	0.01%
Cd 228.802†	52.1	0.0045 mg/L	0.00027	0.0045 mg/L	0.00027	6.02%
Co 228.616†	379.1	0.0275 mg/L	0.00005	0.0275 mg/L	0.00005	0.16%
Cr 267.716†	1185.8	0.0448 mg/L	0.00107	0.0448 mg/L	0.00107	2.40%
Cu 324.752†	42038.4	0.5804 mg/L	0.00314	0.5804 mg/L	0.00314	0.54%
Fe 234.349†	81050.9	67.09 mg/L	1.087	67.09 mg/L	1.087	1.62%
Fe 238.204†	2452154.9	68.13 mg/L	0.044	68.13 mg/L	0.044	0.06%
K 766.490†	7021.2	3.579 mg/L	0.0383	3.579 mg/L	0.0383	1.07%
Li 670.784†	2164.2	0.0569 mg/L	0.00034	0.0569 mg/L	0.00034	0.60%
Mg 279.077†	45364.7	9.887 mg/L	0.0394	9.887 mg/L	0.0394	0.40%
Mn 257.610†	299586.4	1.550 mg/L	0.0002	1.550 mg/L	0.0002	0.02%
Mo 202.031†	52.4	-0.0080 mg/L	0.00014	-0.0080 mg/L	0.00014	1.78%
Na 589.592†	2683.5	0.2270 mg/L	0.00042	0.2270 mg/L	0.00042	0.18%
Ni 231.604†	588.9	0.0580 mg/L	0.00048	0.0580 mg/L	0.00048	0.83%
P 214.914†	2005.9	2.024 mg/L	0.0319	2.024 mg/L	0.0319	1.58%
Pb 220.353†	2387.9	0.8622 mg/L	0.00802	0.8622 mg/L	0.00802	0.93%
Sb 206.836†	7.5	-0.0129 mg/L	0.00765	-0.0129 mg/L	0.00765	59.08%
Se 196.026†	-6.6	0.0218 mg/L	0.01082	0.0218 mg/L	0.01082	49.70%
Sn 189.927†	54.6	0.2455 mg/L	0.00999	0.2455 mg/L	0.00999	4.07%
Sr 407.771†	53555.1	0.0593 mg/L	0.00099	0.0593 mg/L	0.00099	1.68%
Ti 337.279†	321735.3	1.730 mg/L	0.0008	1.730 mg/L	0.0008	0.04%
Tl 190.801†	-2.4	-0.0423 mg/L	0.00480	-0.0423 mg/L	0.00480	11.33%
V 292.402†	5041.6	0.0902 mg/L	0.00002	0.0902 mg/L	0.00002	0.02%
Zn 213.857†	28924.4	0.6567 mg/L	0.00280	0.6567 mg/L	0.00280	0.43%

Sequence No.: 37

Autosampler Location: 37

Sample ID: 1210127-03 @10

Date Collected: 10/9/2012 11:35:56 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210127-03 @10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	163.3	179.8	0.1048 mg/L	0.1048 mg/L	23:37:48
1	Fe 234.349†	67759.2	73104.0	60.48 mg/L	60.48 mg/L	23:37:38
1	K 766.490†	4719.6	4961.0	2.486 mg/L	2.486 mg/L	23:37:48
1	Li 670.784†	513.4	693.5	0.0148 mg/L	0.0148 mg/L	23:37:48
1	Na 589.592†	13827.7	15507.6	2.487 mg/L	2.487 mg/L	23:37:38
1	Sr 407.771†	381940.6	412017.0	0.4573 mg/L	0.4573 mg/L	23:37:38
1	Y 371.029	575274.5	575274.5	0.927 mg/L		23:38:05
1	Ag 328.068†	5718.8	4736.1	0.0995 mg/L	0.0995 mg/L	23:38:07
1	Al 237.313†	40690.3	44061.9	16.56 mg/L	16.56 mg/L	23:38:07
1	As 188.979†	34.5	32.0	0.0988 mg/L	0.0988 mg/L	23:38:17

1	B	182.528†	25.1	32.6	0.1056	mg/L	0.1056	mg/L	23:38:17
1	Ba	233.527†	8607.7	9337.9	0.5645	mg/L	0.5645	mg/L	23:38:07
1	Be	313.107†	2300.5	2878.6	0.0029	mg/L	0.0029	mg/L	23:38:07
1	Ca	315.887†	1003244.0	1083402.3	37.20	mg/L	37.20	mg/L	23:38:05
1	Cd	228.802†	144.2	102.3	0.0089	mg/L	0.0089	mg/L	23:38:17
1	Co	228.616†	354.0	416.2	0.0325	mg/L	0.0325	mg/L	23:38:17
1	Cr	267.716†	3151.3	2980.7	0.1127	mg/L	0.1127	mg/L	23:38:07
1	Cu	324.752†	124403.8	132363.6	1.816	mg/L	1.816	mg/L	23:38:05
1	Fe	238.204†	2039883.0	2200862.0	61.15	mg/L	61.15	mg/L	23:38:05
1	Mg	279.077†	16211.5	17308.2	3.783	mg/L	3.783	mg/L	23:38:07
1	Mn	257.610†	85474.9	91969.2	0.4759	mg/L	0.4759	mg/L	23:38:07
1	Mo	202.031†	88.5	100.5	0.0041	mg/L	0.0041	mg/L	23:38:17
1	Ni	231.604†	2789.5	3018.9	0.3005	mg/L	0.3005	mg/L	23:38:07
1	P	214.914†	1996.9	1976.3	1.957	mg/L	1.957	mg/L	23:38:17
1	Pb	220.353†	20266.5	21882.2	7.987	mg/L	7.987	mg/L	23:38:07
1	Sb	206.836†	27.0	9.6	-0.0059	mg/L	-0.0059	mg/L	23:38:17
1	Se	196.026†	0.9	-1.0	0.0274	mg/L	0.0274	mg/L	23:38:17
1	Sn	189.927†	160.6	177.8	0.3369	mg/L	0.3369	mg/L	23:38:17
1	Ti	337.279†	114354.1	123956.6	0.6662	mg/L	0.6662	mg/L	23:38:07
1	Tl	190.801†	-2.3	-6.1	-0.0502	mg/L	-0.0502	mg/L	23:38:17
1	V	292.402†	2514.9	3508.9	0.0609	mg/L	0.0609	mg/L	23:38:07
1	Zn	213.857†	46326.9	49435.2	1.120	mg/L	1.120	mg/L	23:38:07
2	B	249.677†	156.4	143.6	0.0836	mg/L	0.0836	mg/L	23:38:00
2	Fe	234.349†	65243.4	58396.1	48.31	mg/L	48.31	mg/L	23:37:50
2	K	766.490†	4574.5	3963.6	1.957	mg/L	1.957	mg/L	23:38:00
2	Li	670.784†	475.2	564.9	0.0111	mg/L	0.0111	mg/L	23:38:00
2	Na	589.592†	13336.3	12525.8	1.962	mg/L	1.962	mg/L	23:37:50
2	Sr	407.771†	368599.6	329864.5	0.3661	mg/L	0.3661	mg/L	23:37:50
2	Y	371.029	693414.1	693414.1	1.12	mg/L			23:38:19
2	Ag	328.068†	5265.2	3278.8	0.0692	mg/L	0.0692	mg/L	23:38:22
2	Al	237.313†	39370.6	35400.7	13.30	mg/L	13.30	mg/L	23:38:22
2	As	188.979†	33.0	24.3	0.0762	mg/L	0.0762	mg/L	23:38:32
2	B	182.528†	23.8	26.9	0.0874	mg/L	0.0874	mg/L	23:38:32
2	Ba	233.527†	8218.3	7407.0	0.4479	mg/L	0.4479	mg/L	23:38:22
2	Be	313.107†	2218.2	2382.0	0.0024	mg/L	0.0024	mg/L	23:38:22
2	Ca	315.887†	955173.7	855951.2	29.39	mg/L	29.39	mg/L	23:38:19
2	Cd	228.802†	149.5	80.5	0.0070	mg/L	0.0070	mg/L	23:38:32
2	Co	228.616†	352.2	349.5	0.0275	mg/L	0.0275	mg/L	23:38:32
2	Cr	267.716†	3034.9	2297.2	0.0868	mg/L	0.0868	mg/L	23:38:22
2	Cu	324.752†	118048.6	103806.3	1.425	mg/L	1.425	mg/L	23:38:19
2	Fe	238.204†	1945752.8	1741620.4	48.39	mg/L	48.39	mg/L	23:38:19
2	Mg	279.077†	15576.5	13759.7	3.011	mg/L	3.011	mg/L	23:38:22
2	Mn	257.610†	82077.1	73215.2	0.3789	mg/L	0.3789	mg/L	23:38:22
2	Mo	202.031†	86.2	82.2	0.0040	mg/L	0.0040	mg/L	23:38:32
2	Ni	231.604†	2670.0	2399.1	0.2387	mg/L	0.2387	mg/L	23:38:22
2	P	214.914†	1950.7	1567.9	1.552	mg/L	1.552	mg/L	23:38:32
2	Pb	220.353†	19415.2	17394.7	6.349	mg/L	6.349	mg/L	23:38:22
2	Sb	206.836†	32.8	9.8	0.0000	mg/L	0.0000	mg/L	23:38:32
2	Se	196.026†	-6.0	-7.4	0.0126	mg/L	0.0126	mg/L	23:38:32
2	Sn	189.927†	154.5	142.8	0.2699	mg/L	0.2699	mg/L	23:38:32
2	Ti	337.279†	110419.0	99412.9	0.5343	mg/L	0.5343	mg/L	23:38:22
2	Tl	190.801†	3.6	-0.4	-0.0230	mg/L	-0.0230	mg/L	23:38:32
2	V	292.402†	2360.3	2908.2	0.0506	mg/L	0.0506	mg/L	23:38:22
2	Zn	213.857†	44751.1	39508.5	0.8953	mg/L	0.8953	mg/L	23:38:22

Mean Data: 1210127-03 @10

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	634344.3	1.02	mg/L	0.135				13.17%
Ag 328.068†	4007.5	0.0844	mg/L	0.02139	0.0844	mg/L	0.02139	25.36%
Al 237.313†	39731.3	14.93	mg/L	2.302	14.93	mg/L	2.302	15.42%
As 188.979†	28.2	0.0875	mg/L	0.01596	0.0875	mg/L	0.01596	18.25%
B 182.528†	29.8	0.0965	mg/L	0.01288	0.0965	mg/L	0.01288	13.35%
B 249.677†	161.7	0.0942	mg/L	0.01498	0.0942	mg/L	0.01498	15.90%
Ba 233.527†	8372.4	0.5062	mg/L	0.08243	0.5062	mg/L	0.08243	16.28%
Be 313.107†	2630.3	0.0026	mg/L	0.00037	0.0026	mg/L	0.00037	14.12%
Ca 315.887†	969676.7	33.30	mg/L	5.521	33.30	mg/L	5.521	16.58%
Cd 228.802†	91.4	0.0079	mg/L	0.00136	0.0079	mg/L	0.00136	17.18%
Co 228.616†	382.9	0.0300	mg/L	0.00356	0.0300	mg/L	0.00356	11.87%
Cr 267.716†	2638.9	0.0998	mg/L	0.01828	0.0998	mg/L	0.01828	18.32%
Cu 324.752†	118085.0	1.620	mg/L	0.2764	1.620	mg/L	0.2764	17.06%
Fe 234.349†	65750.0	54.39	mg/L	8.605	54.39	mg/L	8.605	15.82%

Fe 238.204†	1971241.2	54.77 mg/L	9.022	54.77 mg/L	9.022	16.47%
K 766.490†	4462.3	2.221 mg/L	0.3741	2.221 mg/L	0.3741	16.84%
Li 670.784†	629.2	0.0130 mg/L	0.00260	0.0130 mg/L	0.00260	20.08%
Mg 279.077†	15533.9	3.397 mg/L	0.5458	3.397 mg/L	0.5458	16.07%
Mn 257.610†	82592.2	0.4274 mg/L	0.06862	0.4274 mg/L	0.06862	16.06%
Mo 202.031†	91.4	0.0041 mg/L	0.00007	0.0041 mg/L	0.00007	1.65%
Na 589.592†	14016.7	2.225 mg/L	0.3716	2.225 mg/L	0.3716	16.71%
Ni 231.604†	2709.0	0.2696 mg/L	0.04375	0.2696 mg/L	0.04375	16.23%
P 214.914†	1772.1	1.755 mg/L	0.2865	1.755 mg/L	0.2865	16.33%
Pb 220.353†	19638.5	7.168 mg/L	1.1582	7.168 mg/L	1.1582	16.16%
Sb 206.836†	9.7	-0.0030 mg/L	0.00410	-0.0030 mg/L	0.00410	139.08%
Se 196.026†	-4.2	0.0200 mg/L	0.01044	0.0200 mg/L	0.01044	52.14%
Sn 189.927†	160.3	0.3034 mg/L	0.04737	0.3034 mg/L	0.04737	15.61%
Sr 407.771†	370940.7	0.4117 mg/L	0.06450	0.4117 mg/L	0.06450	15.67%
Ti 337.279†	111684.7	0.6003 mg/L	0.09330	0.6003 mg/L	0.09330	15.54%
Tl 190.801†	-3.3	-0.0366 mg/L	0.01928	-0.0366 mg/L	0.01928	52.68%
V 292.402†	3208.5	0.0557 mg/L	0.00727	0.0557 mg/L	0.00727	13.04%
Zn 213.857†	44471.9	1.008 mg/L	0.1591	1.008 mg/L	0.1591	15.79%

Sequence No.: 38
Sample ID: 1210127-06 @10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 10/9/2012 11:40:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-06 @10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	27.8	28.9	0.0165 mg/L	0.0165 mg/L	23:42:04
1	Fe 234.349†	20122.0	18320.1	15.15 mg/L	15.15 mg/L	23:41:54
1	K 766.490†	2181.1	1855.2	0.8382 mg/L	0.8382 mg/L	23:41:54
1	Li 670.784†	143.8	270.5	0.0027 mg/L	0.0027 mg/L	23:41:54
1	Na 589.592†	1890.3	2309.6	0.1611 mg/L	0.1611 mg/L	23:41:54
1	Sr 407.771†	42334.8	38475.1	0.0425 mg/L	0.0425 mg/L	23:41:54
1	Y 371.029	681552.5	681552.5	1.10 mg/L		23:42:21
1	Ag 328.068†	5455.2	3533.9	0.0718 mg/L	0.0718 mg/L	23:42:21
1	Al 237.313†	21521.5	19758.7	7.422 mg/L	7.422 mg/L	23:42:21
1	As 188.979†	8.6	2.6	0.0123 mg/L	0.0123 mg/L	23:42:31
1	B 182.528†	-0.6	5.0	0.0187 mg/L	0.0187 mg/L	23:42:31
1	Ba 233.527†	1588.1	1496.8	0.0911 mg/L	0.0911 mg/L	23:42:31
1	Be 313.107†	176.5	557.2	0.0004 mg/L	0.0004 mg/L	23:42:21
1	Ca 315.887†	282952.9	258635.1	8.888 mg/L	8.888 mg/L	23:42:21
1	Cd 228.802†	81.4	20.8	0.0017 mg/L	0.0017 mg/L	23:42:31
1	Co 228.616†	63.9	92.4	0.0074 mg/L	0.0074 mg/L	23:42:31
1	Cr 267.716†	1048.2	535.2	0.0202 mg/L	0.0202 mg/L	23:42:21
1	Cu 324.752†	69063.1	61033.9	0.8392 mg/L	0.8392 mg/L	23:42:21
1	Fe 238.204†	618967.3	563619.4	15.66 mg/L	15.66 mg/L	23:42:21
1	Mg 279.077†	10516.1	9393.9	2.061 mg/L	2.061 mg/L	23:42:21
1	Mn 257.610†	49620.6	44935.5	0.2325 mg/L	0.2325 mg/L	23:42:21
1	Mo 202.031†	15.0	18.7	0.0003 mg/L	0.0003 mg/L	23:42:31
1	Ni 231.604†	1323.9	1214.8	0.1204 mg/L	0.1204 mg/L	23:42:31
1	P 214.914†	757.6	511.7	0.4923 mg/L	0.4923 mg/L	23:42:31
1	Pb 220.353†	22232.9	20263.2	7.400 mg/L	7.400 mg/L	23:42:21
1	Sb 206.836†	25.0	3.2	0.0013 mg/L	0.0013 mg/L	23:42:31
1	Se 196.026†	1.7	-0.4	0.0089 mg/L	0.0089 mg/L	23:42:31
1	Sn 189.927†	32.1	33.8	0.0751 mg/L	0.0751 mg/L	23:42:31
1	Ti 337.279†	75666.2	69483.5	0.3734 mg/L	0.3734 mg/L	23:42:21
1	Tl 190.801†	-0.2	-3.8	-0.0158 mg/L	-0.0158 mg/L	23:42:31
1	V 292.402†	2001.8	2618.5	0.0505 mg/L	0.0505 mg/L	23:42:21
1	Zn 213.857†	22981.5	20380.0	0.4613 mg/L	0.4613 mg/L	23:42:21
2	B 249.677†	25.6	26.9	0.0153 mg/L	0.0153 mg/L	23:42:17
2	Fe 234.349†	20217.7	18472.1	15.27 mg/L	15.27 mg/L	23:42:07
2	K 766.490†	2120.2	1806.5	0.8124 mg/L	0.8124 mg/L	23:42:07
2	Li 670.784†	278.4	393.9	0.0062 mg/L	0.0062 mg/L	23:42:07
2	Na 589.592†	1895.0	2320.0	0.1629 mg/L	0.1629 mg/L	23:42:07
2	Sr 407.771†	42508.8	38769.7	0.0429 mg/L	0.0429 mg/L	23:42:07
2	Y 371.029	679162.2	679162.2	1.09 mg/L		23:42:33
2	Ag 328.068†	5484.0	3577.6	0.0727 mg/L	0.0727 mg/L	23:42:33
2	Al 237.313†	21370.6	19689.8	7.396 mg/L	7.396 mg/L	23:42:33
2	As 188.979†	10.2	4.1	0.0158 mg/L	0.0158 mg/L	23:42:44
2	B 182.528†	2.4	7.8	0.0273 mg/L	0.0273 mg/L	23:42:44

2	Ba	233.527†	1601.2	1513.9	0.0921 mg/L	0.0921 mg/L	23:42:44
2	Be	313.107†	72.2	462.4	0.0003 mg/L	0.0003 mg/L	23:42:33
2	Ca	315.887†	280505.5	257305.3	8.842 mg/L	8.842 mg/L	23:42:33
2	Cd	228.802†	80.3	20.0	0.0016 mg/L	0.0016 mg/L	23:42:44
2	Co	228.616†	67.3	95.7	0.0076 mg/L	0.0076 mg/L	23:42:44
2	Cr	267.716†	1016.2	509.3	0.0192 mg/L	0.0192 mg/L	23:42:33
2	Cu	324.752†	69068.5	61260.2	0.8423 mg/L	0.8423 mg/L	23:42:33
2	Fe	238.204†	613614.4	560711.2	15.58 mg/L	15.58 mg/L	23:42:33
2	Mg	279.077†	10477.8	9392.6	2.061 mg/L	2.061 mg/L	23:42:33
2	Mn	257.610†	49411.3	44903.2	0.2323 mg/L	0.2323 mg/L	23:42:33
2	Mo	202.031†	22.9	25.9	0.0019 mg/L	0.0019 mg/L	23:42:44
2	Ni	231.604†	1321.0	1216.4	0.1206 mg/L	0.1206 mg/L	23:42:44
2	P	214.914†	731.1	489.9	0.4720 mg/L	0.4720 mg/L	23:42:44
2	Pb	220.353†	21961.8	20086.8	7.335 mg/L	7.335 mg/L	23:42:33
2	Sb	206.836†	25.2	3.5	0.0018 mg/L	0.0018 mg/L	23:42:44
2	Se	196.026†	4.1	1.7	0.0122 mg/L	0.0122 mg/L	23:42:44
2	Sn	189.927†	46.5	47.1	0.0874 mg/L	0.0874 mg/L	23:42:44
2	Ti	337.279†	75570.1	69638.2	0.3742 mg/L	0.3742 mg/L	23:42:33
2	Tl	190.801†	-3.5	-6.9	-0.0268 mg/L	-0.0268 mg/L	23:42:44
2	V	292.402†	2049.5	2668.5	0.0515 mg/L	0.0515 mg/L	23:42:33
2	Zn	213.857†	22752.6	20244.5	0.4582 mg/L	0.4582 mg/L	23:42:33

Mean Data: 1210127-06 @10

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	680357.4	1.10	mg/L	0.003				0.25%
Ag 328.068†	3555.7	0.0722	mg/L	0.00063	0.0722	mg/L	0.00063	0.87%
Al 237.313†	19724.2	7.409	mg/L	0.0183	7.409	mg/L	0.0183	0.25%
As 188.979†	3.3	0.0141	mg/L	0.00242	0.0141	mg/L	0.00242	17.21%
B 182.528†	6.4	0.0230	mg/L	0.00607	0.0230	mg/L	0.00607	26.42%
B 249.677†	27.9	0.0159	mg/L	0.00080	0.0159	mg/L	0.00080	5.04%
Ba 233.527†	1505.3	0.0916	mg/L	0.00073	0.0916	mg/L	0.00073	0.80%
Be 313.107†	509.8	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	18.05%
Ca 315.887†	257970.2	8.865	mg/L	0.0323	8.865	mg/L	0.0323	0.36%
Cd 228.802†	20.4	0.0016	mg/L	0.00006	0.0016	mg/L	0.00006	3.81%
Co 228.616†	94.1	0.0075	mg/L	0.00019	0.0075	mg/L	0.00019	2.48%
Cr 267.716†	522.2	0.0197	mg/L	0.00069	0.0197	mg/L	0.00069	3.51%
Cu 324.752†	61147.0	0.8408	mg/L	0.00219	0.8408	mg/L	0.00219	0.26%
Fe 234.349†	18396.1	15.21	mg/L	0.089	15.21	mg/L	0.089	0.59%
Fe 238.204†	562165.3	15.62	mg/L	0.057	15.62	mg/L	0.057	0.37%
K 766.490†	1830.9	0.8253	mg/L	0.01825	0.8253	mg/L	0.01825	2.21%
Li 670.784†	332.2	0.0045	mg/L	0.00250	0.0045	mg/L	0.00250	56.01%
Mg 279.077†	9393.2	2.061	mg/L	0.0002	2.061	mg/L	0.0002	0.01%
Mn 257.610†	44919.4	0.2324	mg/L	0.00012	0.2324	mg/L	0.00012	0.05%
Mo 202.031†	22.3	0.0011	mg/L	0.00114	0.0011	mg/L	0.00114	101.91%
Na 589.592†	2314.8	0.1620	mg/L	0.00129	0.1620	mg/L	0.00129	0.80%
Ni 231.604†	1215.6	0.1205	mg/L	0.00011	0.1205	mg/L	0.00011	0.09%
P 214.914†	500.8	0.4821	mg/L	0.01435	0.4821	mg/L	0.01435	2.98%
Pb 220.353†	20175.0	7.368	mg/L	0.0456	7.368	mg/L	0.0456	0.62%
Sb 206.836†	3.3	0.0015	mg/L	0.00036	0.0015	mg/L	0.00036	23.63%
Se 196.026†	0.6	0.0106	mg/L	0.00234	0.0106	mg/L	0.00234	22.14%
Sn 189.927†	40.5	0.0812	mg/L	0.00868	0.0812	mg/L	0.00868	10.69%
Sr 407.771†	38622.4	0.0427	mg/L	0.00023	0.0427	mg/L	0.00023	0.54%
Ti 337.279†	69560.9	0.3738	mg/L	0.00059	0.3738	mg/L	0.00059	0.16%
Tl 190.801†	-5.3	-0.0213	mg/L	0.00775	-0.0213	mg/L	0.00775	36.35%
V 292.402†	2643.5	0.0510	mg/L	0.00072	0.0510	mg/L	0.00072	1.42%
Zn 213.857†	20312.2	0.4597	mg/L	0.00219	0.4597	mg/L	0.00219	0.48%

Sequence No.: 39

Sample ID: 1210127-07 @10

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 39

Date Collected: 10/9/2012 11:44:24 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-07 @10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	56.6	54.9	0.0317	mg/L	0.0317	mg/L	23:46:16
1	Fe 234.349†	38704.4	35146.3	29.07	mg/L	29.07	mg/L	23:46:05
1	K 766.490†	2851.6	2458.6	1.158	mg/L	1.158	mg/L	23:46:05

1	Li 670.784†	409.3	511.3	0.0096 mg/L	0.0096 mg/L	23:46:05
1	Na 589.592†	4467.8	4645.8	0.5729 mg/L	0.5729 mg/L	23:46:05
1	Sr 407.771†	113953.6	103413.4	0.1146 mg/L	0.1146 mg/L	23:46:05
1	Y 371.029	683432.3	683432.3	1.10 mg/L		23:46:32
1	Ag 328.068†	6077.5	4085.4	0.0840 mg/L	0.0840 mg/L	23:46:34
1	Al 237.313†	33786.4	30843.8	11.59 mg/L	11.59 mg/L	23:46:34
1	As 188.979†	10.5	4.3	0.0218 mg/L	0.0218 mg/L	23:46:44
1	B 182.528†	7.4	12.3	0.0416 mg/L	0.0416 mg/L	23:46:44
1	Ba 233.527†	3205.8	2962.1	0.1795 mg/L	0.1795 mg/L	23:46:44
1	Be 313.107†	430.8	787.8	0.0007 mg/L	0.0007 mg/L	23:46:34
1	Ca 315.887†	527072.6	479636.4	16.48 mg/L	16.48 mg/L	23:46:32
1	Cd 228.802†	145.4	78.7	0.0070 mg/L	0.0070 mg/L	23:46:44
1	Co 228.616†	152.7	172.9	0.0134 mg/L	0.0134 mg/L	23:46:44
1	Cr 267.716†	6518.1	5500.3	0.2079 mg/L	0.2079 mg/L	23:46:34
1	Cu 324.752†	186209.8	167253.8	2.293 mg/L	2.293 mg/L	23:46:32
1	Fe 238.204†	1252119.7	1137099.5	31.59 mg/L	31.59 mg/L	23:46:32
1	Mg 279.077†	16595.3	14888.6	3.257 mg/L	3.257 mg/L	23:46:34
1	Mn 257.610†	132395.2	119987.3	0.6209 mg/L	0.6209 mg/L	23:46:34
1	Mo 202.031†	43.4	44.5	0.0008 mg/L	0.0008 mg/L	23:46:44
1	Ni 231.604†	3565.5	3247.3	0.3233 mg/L	0.3233 mg/L	23:46:34
1	P 214.914†	1167.6	882.1	0.8461 mg/L	0.8461 mg/L	23:46:44
1	Pb 220.353†	14997.5	13636.4	4.976 mg/L	4.976 mg/L	23:46:34
1	Sb 206.836†	29.9	7.6	0.0042 mg/L	0.0042 mg/L	23:46:44
1	Se 196.026†	-5.5	-7.0	0.0050 mg/L	0.0050 mg/L	23:46:44
1	Sn 189.927†	131.3	123.8	0.1966 mg/L	0.1966 mg/L	23:46:44
1	Ti 337.279†	114256.5	104341.7	0.5608 mg/L	0.5608 mg/L	23:46:34
1	Tl 190.801†	-2.3	-5.8	-0.0313 mg/L	-0.0313 mg/L	23:46:44
1	V 292.402†	9313.0	9253.5	0.1870 mg/L	0.1870 mg/L	23:46:34
1	Zn 213.857†	68730.7	61871.9	1.403 mg/L	1.403 mg/L	23:46:34
2	B 249.677†	62.0	60.5	0.0350 mg/L	0.0350 mg/L	23:46:28
2	Fe 234.349†	38086.0	34958.6	28.91 mg/L	28.91 mg/L	23:46:18
2	K 766.490†	2811.5	2449.9	1.154 mg/L	1.154 mg/L	23:46:18
2	Li 670.784†	464.0	565.4	0.0111 mg/L	0.0111 mg/L	23:46:18
2	Na 589.592†	4544.2	4759.8	0.5929 mg/L	0.5929 mg/L	23:46:18
2	Sr 407.771†	112457.7	103158.7	0.1144 mg/L	0.1144 mg/L	23:46:18
2	Y 371.029	676124.5	676124.5	1.09 mg/L		23:46:47
2	Ag 328.068†	5919.8	4000.3	0.0823 mg/L	0.0823 mg/L	23:46:49
2	Al 237.313†	33874.1	31255.9	11.75 mg/L	11.75 mg/L	23:46:49
2	As 188.979†	11.6	5.4	0.0243 mg/L	0.0243 mg/L	23:46:59
2	B 182.528†	5.1	10.3	0.0352 mg/L	0.0352 mg/L	23:46:59
2	Ba 233.527†	3205.9	2993.6	0.1814 mg/L	0.1814 mg/L	23:46:59
2	Be 313.107†	532.1	884.9	0.0008 mg/L	0.0008 mg/L	23:46:49
2	Ca 315.887†	518558.4	476994.0	16.38 mg/L	16.38 mg/L	23:46:47
2	Cd 228.802†	147.0	81.6	0.0073 mg/L	0.0073 mg/L	23:46:59
2	Co 228.616†	151.5	173.3	0.0134 mg/L	0.0134 mg/L	23:46:59
2	Cr 267.716†	6547.1	5590.9	0.2113 mg/L	0.2113 mg/L	23:46:49
2	Cu 324.752†	183474.4	166570.6	2.284 mg/L	2.284 mg/L	23:46:47
2	Fe 238.204†	1232101.4	1131013.3	31.42 mg/L	31.42 mg/L	23:46:47
2	Mg 279.077†	16635.2	15088.1	3.301 mg/L	3.301 mg/L	23:46:49
2	Mn 257.610†	132965.2	121810.2	0.6304 mg/L	0.6304 mg/L	23:46:49
2	Mo 202.031†	39.4	41.2	0.0001 mg/L	0.0001 mg/L	23:46:59
2	Ni 231.604†	3545.7	3264.2	0.3250 mg/L	0.3250 mg/L	23:46:49
2	P 214.914†	1171.0	896.7	0.8597 mg/L	0.8597 mg/L	23:46:59
2	Pb 220.353†	15102.3	13879.8	5.065 mg/L	5.065 mg/L	23:46:49
2	Sb 206.836†	28.4	6.5	0.0020 mg/L	0.0020 mg/L	23:46:59
2	Se 196.026†	-2.7	-4.5	0.0087 mg/L	0.0087 mg/L	23:46:59
2	Sn 189.927†	137.9	131.2	0.2027 mg/L	0.2027 mg/L	23:46:59
2	Ti 337.279†	114634.9	105810.7	0.5687 mg/L	0.5687 mg/L	23:46:49
2	Tl 190.801†	8.8	4.4	0.0047 mg/L	0.0047 mg/L	23:46:59
2	V 292.402†	9371.3	9398.4	0.1900 mg/L	0.1900 mg/L	23:46:49
2	Zn 213.857†	69152.1	62933.5	1.427 mg/L	1.427 mg/L	23:46:49

Mean Data: 1210127-07 @10

Analyte	Mean Corrected		Calib	Std.Dev.	Sample			
	Intensity	Conc.			Units	Conc.	Units	Std.Dev.
Y 371.029	679778.4	1.10	mg/L	0.008				0.76%
Ag 328.068†	4042.8	0.0831	mg/L	0.00122	0.0831	mg/L	0.00122	1.47%
Al 237.313†	31049.9	11.67	mg/L	0.110	11.67	mg/L	0.110	0.94%
As 188.979†	4.8	0.0230	mg/L	0.00179	0.0230	mg/L	0.00179	7.75%
B 182.528†	11.3	0.0384	mg/L	0.00455	0.0384	mg/L	0.00455	11.85%
B 249.677†	57.7	0.0334	mg/L	0.00231	0.0334	mg/L	0.00231	6.92%
Ba 233.527†	2977.8	0.1804	mg/L	0.00135	0.1804	mg/L	0.00135	0.75%

Be	313.107†	836.3	0.0008 mg/L	0.00007	0.0008 mg/L	0.00007	9.63%
Ca	315.887†	478315.2	16.43 mg/L	0.064	16.43 mg/L	0.064	0.39%
Cd	228.802†	80.2	0.0071 mg/L	0.00018	0.0071 mg/L	0.00018	2.52%
Co	228.616†	173.1	0.0134 mg/L	0.00001	0.0134 mg/L	0.00001	0.10%
Cr	267.716†	5545.6	0.2096 mg/L	0.00242	0.2096 mg/L	0.00242	1.16%
Cu	324.752†	166912.2	2.288 mg/L	0.0066	2.288 mg/L	0.0066	0.29%
Fe	234.349†	35052.5	28.99 mg/L	0.110	28.99 mg/L	0.110	0.38%
Fe	238.204†	1134056.4	31.51 mg/L	0.120	31.51 mg/L	0.120	0.38%
K	766.490†	2454.2	1.156 mg/L	0.0033	1.156 mg/L	0.0033	0.28%
Li	670.784†	538.3	0.0104 mg/L	0.00110	0.0104 mg/L	0.00110	10.59%
Mg	279.077†	14988.4	3.279 mg/L	0.0307	3.279 mg/L	0.0307	0.94%
Mn	257.610†	120898.8	0.6256 mg/L	0.00667	0.6256 mg/L	0.00667	1.07%
Mo	202.031†	42.8	0.0005 mg/L	0.00049	0.0005 mg/L	0.00049	102.31%
Na	589.592†	4702.8	0.5829 mg/L	0.01421	0.5829 mg/L	0.01421	2.44%
Ni	231.604†	3255.7	0.3242 mg/L	0.00119	0.3242 mg/L	0.00119	0.37%
P	214.914†	889.4	0.8529 mg/L	0.00961	0.8529 mg/L	0.00961	1.13%
Pb	220.353†	13758.1	5.020 mg/L	0.0628	5.020 mg/L	0.0628	1.25%
Sb	206.836†	7.1	0.0031 mg/L	0.00154	0.0031 mg/L	0.00154	49.17%
Se	196.026†	-5.7	0.0069 mg/L	0.00255	0.0069 mg/L	0.00255	37.21%
Sn	189.927†	127.5	0.1996 mg/L	0.00435	0.1996 mg/L	0.00435	2.18%
Sr	407.771†	103286.1	0.1145 mg/L	0.00020	0.1145 mg/L	0.00020	0.17%
Ti	337.279†	105076.2	0.5647 mg/L	0.00558	0.5647 mg/L	0.00558	0.99%
Tl	190.801†	-0.7	-0.0133 mg/L	0.02545	-0.0133 mg/L	0.02545	191.02%
V	292.402†	9326.0	0.1885 mg/L	0.00216	0.1885 mg/L	0.00216	1.15%
Zn	213.857†	62402.7	1.415 mg/L	0.0171	1.415 mg/L	0.0171	1.21%

Sequence No.: 40
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/9/2012 11:48:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	846.2	772.8	0.4514 mg/L	0.4514 mg/L	0.4514 mg/L	23:50:31
1	Fe 234.349†	3055.3	2772.3	2.275 mg/L	2.275 mg/L	2.275 mg/L	23:50:31
1	K 766.490†	49483.5	44850.6	23.65 mg/L	23.65 mg/L	23.65 mg/L	23:50:21
1	Li 670.784†	18357.7	16827.1	0.4766 mg/L	0.4766 mg/L	0.4766 mg/L	23:50:21
1	Na 589.592†	149537.5	136521.4	23.82 mg/L	23.82 mg/L	23.82 mg/L	23:50:21
1	Sr 407.771†	46073.9	41802.8	0.0462 mg/L	0.0462 mg/L	0.0462 mg/L	23:50:21
1	Y 371.029	682814.2	682814.2	1.10 mg/L	1.10 mg/L	1.10 mg/L	23:50:48
1	Ag 328.068†	14874.6	12087.2	0.2429 mg/L	0.2429 mg/L	0.2429 mg/L	23:50:48
1	Al 237.313†	7004.1	6525.8	2.453 mg/L	2.453 mg/L	2.453 mg/L	23:50:48
1	As 188.979†	237.9	211.1	0.4850 mg/L	0.4850 mg/L	0.4850 mg/L	23:50:58
1	B 182.528†	166.2	156.6	0.4955 mg/L	0.4955 mg/L	0.4955 mg/L	23:50:58
1	Ba 233.527†	9019.1	8249.1	0.4985 mg/L	0.4985 mg/L	0.4985 mg/L	23:50:48
1	Be 313.107†	50573.0	46368.5	0.0490 mg/L	0.0490 mg/L	0.0490 mg/L	23:50:48
1	Ca 315.887†	157007.7	143671.7	4.943 mg/L	4.943 mg/L	4.943 mg/L	23:50:48
1	Cd 228.802†	3061.2	2729.3	0.2492 mg/L	0.2492 mg/L	0.2492 mg/L	23:50:58
1	Co 228.616†	6816.1	6230.2	0.4954 mg/L	0.4954 mg/L	0.4954 mg/L	23:50:58
1	Cr 267.716†	14794.5	13029.1	0.4932 mg/L	0.4932 mg/L	0.4932 mg/L	23:50:48
1	Cu 324.752†	41379.7	35752.8	0.4934 mg/L	0.4934 mg/L	0.4934 mg/L	23:50:48
1	Fe 238.204†	98304.5	89282.5	2.481 mg/L	2.481 mg/L	2.481 mg/L	23:50:48
1	Mg 279.077†	24626.9	22203.2	4.847 mg/L	4.847 mg/L	4.847 mg/L	23:50:48
1	Mn 257.610†	106191.4	96276.3	0.4983 mg/L	0.4983 mg/L	0.4983 mg/L	23:50:48
1	Mo 202.031†	2497.4	2275.3	0.5176 mg/L	0.5176 mg/L	0.5176 mg/L	23:50:58
1	Ni 231.604†	5418.4	4934.6	0.4925 mg/L	0.4925 mg/L	0.4925 mg/L	23:50:48
1	P 214.914†	5872.2	5159.7	4.834 mg/L	4.834 mg/L	4.834 mg/L	23:50:58
1	Pb 220.353†	1491.6	1371.5	0.5000 mg/L	0.5000 mg/L	0.5000 mg/L	23:50:58
1	Sb 206.836†	289.3	243.4	0.4973 mg/L	0.4973 mg/L	0.4973 mg/L	23:50:58
1	Se 196.026†	721.7	654.0	0.9856 mg/L	0.9856 mg/L	0.9856 mg/L	23:50:58
1	Sn 189.927†	625.4	573.1	0.5215 mg/L	0.5215 mg/L	0.5215 mg/L	23:50:58
1	Ti 337.279†	101326.8	92682.2	0.4981 mg/L	0.4981 mg/L	0.4981 mg/L	23:50:48
1	Tl 190.801†	160.0	141.8	0.5028 mg/L	0.5028 mg/L	0.5028 mg/L	23:50:58
1	V 292.402†	25492.6	23968.9	0.5038 mg/L	0.5038 mg/L	0.5038 mg/L	23:50:48
1	Zn 213.857†	24652.1	21859.9	0.4936 mg/L	0.4936 mg/L	0.4936 mg/L	23:50:48
2	B 249.677†	839.5	762.1	0.4452 mg/L	0.4452 mg/L	0.4452 mg/L	23:50:44
2	Fe 234.349†	3011.4	2715.9	2.229 mg/L	2.229 mg/L	2.229 mg/L	23:50:44
2	K 766.490†	49337.9	44449.2	23.43 mg/L	23.43 mg/L	23.43 mg/L	23:50:34
2	Li 670.784†	18313.9	16687.4	0.4726 mg/L	0.4726 mg/L	0.4726 mg/L	23:50:34

2	Na	589.592†	149308.0	135498.6	23.64	mg/L	23.64	mg/L	23:50:34
2	Sr	407.771†	46165.7	41634.5	0.0460	mg/L	0.0460	mg/L	23:50:34
2	Y	371.029	686934.6	686934.6	1.11	mg/L			23:51:00
2	Ag	328.068†	14894.4	12023.9	0.2416	mg/L	0.2416	mg/L	23:51:00
2	Al	237.313†	7099.0	6573.4	2.470	mg/L	2.470	mg/L	23:51:00
2	As	188.979†	238.1	209.9	0.4823	mg/L	0.4823	mg/L	23:51:11
2	B	182.528†	165.9	155.5	0.4920	mg/L	0.4920	mg/L	23:51:11
2	Ba	233.527†	9114.7	8286.3	0.5008	mg/L	0.5008	mg/L	23:51:00
2	Be	313.107†	51042.0	46516.5	0.0492	mg/L	0.0492	mg/L	23:51:00
2	Ca	315.887†	158487.6	144152.8	4.960	mg/L	4.960	mg/L	23:51:00
2	Cd	228.802†	3074.3	2724.5	0.2488	mg/L	0.2488	mg/L	23:51:11
2	Co	228.616†	6840.1	6214.8	0.4941	mg/L	0.4941	mg/L	23:51:11
2	Cr	267.716†	14823.9	12975.0	0.4912	mg/L	0.4912	mg/L	23:51:00
2	Cu	324.752†	41558.9	35689.1	0.4925	mg/L	0.4925	mg/L	23:51:00
2	Fe	238.204†	99172.7	89531.1	2.488	mg/L	2.488	mg/L	23:51:00
2	Mg	279.077†	24792.8	22218.8	4.851	mg/L	4.851	mg/L	23:51:00
2	Mn	257.610†	106929.2	96363.9	0.4988	mg/L	0.4988	mg/L	23:51:00
2	Mo	202.031†	2493.8	2258.4	0.5138	mg/L	0.5138	mg/L	23:51:11
2	Ni	231.604†	5468.0	4949.9	0.4940	mg/L	0.4940	mg/L	23:51:00
2	P	214.914†	5946.2	5194.5	4.866	mg/L	4.866	mg/L	23:51:11
2	Pb	220.353†	1498.6	1369.7	0.4993	mg/L	0.4993	mg/L	23:51:11
2	Sb	206.836†	285.2	238.2	0.4866	mg/L	0.4866	mg/L	23:51:11
2	Se	196.026†	721.0	649.4	0.9787	mg/L	0.9787	mg/L	23:51:11
2	Sn	189.927†	608.9	554.8	0.5049	mg/L	0.5049	mg/L	23:51:11
2	Ti	337.279†	101760.1	92521.3	0.4972	mg/L	0.4972	mg/L	23:51:00
2	Tl	190.801†	164.0	144.6	0.5127	mg/L	0.5127	mg/L	23:51:11
2	V	292.402†	25748.6	24061.2	0.5057	mg/L	0.5057	mg/L	23:51:00
2	Zn	213.857†	24952.8	21997.2	0.4967	mg/L	0.4967	mg/L	23:51:00

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	684874.4	1.10 mg/L	0.005			0.43%
Ag 328.068†	12055.5	0.2423 mg/L	0.00090	0.2423 mg/L	0.00090	0.37%
QC value within limits for Ag 328.068		Recovery = 96.91%				
Al 237.313†	6549.6	2.462 mg/L	0.0126	2.462 mg/L	0.0126	0.51%
QC value within limits for Al 237.313		Recovery = 98.46%				
As 188.979†	210.5	0.4837 mg/L	0.00189	0.4837 mg/L	0.00189	0.39%
QC value within limits for As 188.979		Recovery = 96.74%				
B 182.528†	156.1	0.4938 mg/L	0.00250	0.4938 mg/L	0.00250	0.51%
QC value within limits for B 182.528		Recovery = 98.76%				
B 249.677†	767.5	0.4483 mg/L	0.00443	0.4483 mg/L	0.00443	0.99%
QC value less than the lower limit for B 249.677		Recovery = 89.66%				
Ba 233.527†	8267.7	0.4997 mg/L	0.00159	0.4997 mg/L	0.00159	0.32%
QC value within limits for Ba 233.527		Recovery = 99.93%				
Be 313.107†	46442.5	0.0491 mg/L	0.00011	0.0491 mg/L	0.00011	0.23%
QC value within limits for Be 313.107		Recovery = 98.16%				
Ca 315.887†	143912.2	4.952 mg/L	0.0117	4.952 mg/L	0.0117	0.24%
QC value within limits for Ca 315.887		Recovery = 99.03%				
Cd 228.802†	2726.9	0.2490 mg/L	0.00031	0.2490 mg/L	0.00031	0.12%
QC value within limits for Cd 228.802		Recovery = 99.60%				
Co 228.616†	6222.5	0.4947 mg/L	0.00087	0.4947 mg/L	0.00087	0.18%
QC value within limits for Co 228.616		Recovery = 98.95%				
Cr 267.716†	13002.0	0.4922 mg/L	0.00145	0.4922 mg/L	0.00145	0.29%
QC value within limits for Cr 267.716		Recovery = 98.44%				
Cu 324.752†	35721.0	0.4929 mg/L	0.00062	0.4929 mg/L	0.00062	0.13%
QC value within limits for Cu 324.752		Recovery = 98.59%				
Fe 234.349†	2744.1	2.252 mg/L	0.0330	2.252 mg/L	0.0330	1.47%
QC value within limits for Fe 234.349		Recovery = 90.07%				
Fe 238.204†	89406.8	2.485 mg/L	0.0049	2.485 mg/L	0.0049	0.20%
QC value within limits for Fe 238.204		Recovery = 99.39%				
K 766.490†	44649.9	23.54 mg/L	0.151	23.54 mg/L	0.151	0.64%
QC value within limits for K 766.490		Recovery = 94.15%				
Li 670.784†	16757.3	0.4746 mg/L	0.00283	0.4746 mg/L	0.00283	0.60%
QC value within limits for Li 670.784		Recovery = 94.93%				
Mg 279.077†	22211.0	4.849 mg/L	0.0024	4.849 mg/L	0.0024	0.05%
QC value within limits for Mg 279.077		Recovery = 96.98%				
Mn 257.610†	96320.1	0.4985 mg/L	0.00032	0.4985 mg/L	0.00032	0.06%
QC value within limits for Mn 257.610		Recovery = 99.71%				
Mo 202.031†	2266.8	0.5157 mg/L	0.00271	0.5157 mg/L	0.00271	0.53%
QC value within limits for Mo 202.031		Recovery = 103.14%				
Na 589.592†	136010.0	23.73 mg/L	0.127	23.73 mg/L	0.127	0.54%

QC value within limits for Na 589.592	Recovery = 94.91%					
Ni 231.604†	4942.2	0.4933 mg/L	0.00108	0.4933 mg/L	0.00108	0.22%
QC value within limits for Ni 231.604	Recovery = 98.66%					
P 214.914†	5177.1	4.850 mg/L	0.0231	4.850 mg/L	0.0231	0.48%
QC value within limits for P 214.914	Recovery = 97.00%					
Pb 220.353†	1370.6	0.4996 mg/L	0.00047	0.4996 mg/L	0.00047	0.09%
QC value within limits for Pb 220.353	Recovery = 99.93%					
Sb 206.836†	240.8	0.4920 mg/L	0.00756	0.4920 mg/L	0.00756	1.54%
QC value within limits for Sb 206.836	Recovery = 98.40%					
Se 196.026†	651.7	0.9822 mg/L	0.00488	0.9822 mg/L	0.00488	0.50%
QC value within limits for Se 196.026	Recovery = 98.22%					
Sn 189.927†	563.9	0.5132 mg/L	0.01173	0.5132 mg/L	0.01173	2.29%
QC value within limits for Sn 189.927	Recovery = 102.63%					
Sr 407.771†	41718.6	0.0461 mg/L	0.00013	0.0461 mg/L	0.00013	0.29%
QC value within limits for Sr 407.771	Recovery = 92.26%					
Ti 337.279†	92601.8	0.4977 mg/L	0.00061	0.4977 mg/L	0.00061	0.12%
QC value within limits for Ti 337.279	Recovery = 99.53%					
Tl 190.801†	143.2	0.5077 mg/L	0.00699	0.5077 mg/L	0.00699	1.38%
QC value within limits for Tl 190.801	Recovery = 101.54%					
V 292.402†	24015.0	0.5048 mg/L	0.00134	0.5048 mg/L	0.00134	0.26%
QC value within limits for V 292.402	Recovery = 100.96%					
Zn 213.857†	21928.6	0.4952 mg/L	0.00221	0.4952 mg/L	0.00221	0.45%
QC value within limits for Zn 213.857	Recovery = 99.03%					
QC Failed. Continue with analysis.						

Sequence No.: 41
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2012 11:52:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	195.1	187.8	0.1096 mg/L	0.1096 mg/L	0.1096 mg/L	23:54:46
1	Fe 234.349†	18.1	12.0	0.0014 mg/L	0.0014 mg/L	0.0014 mg/L	23:54:46
1	K 766.490†	182.7	41.4	-0.1239 mg/L	-0.1239 mg/L	-0.1239 mg/L	23:54:36
1	Li 670.784†	-183.3	-33.6	-0.0060 mg/L	-0.0060 mg/L	-0.0060 mg/L	23:54:36
1	Na 589.592†	-556.0	62.9	-0.2349 mg/L	-0.2349 mg/L	-0.2349 mg/L	23:54:36
1	Sr 407.771†	139.0	51.7	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	23:54:36
1	Y 371.029	657154.7	657154.7	1.06 mg/L	1.06 mg/L	1.06 mg/L	23:55:11
1	Ag 328.068†	1676.4	149.2	0.0025 mg/L	0.0025 mg/L	0.0025 mg/L	23:55:11
1	Al 237.313†	-158.4	9.3	-0.0022 mg/L	-0.0022 mg/L	-0.0022 mg/L	23:55:21
1	As 188.979†	2.2	-3.1	-0.0071 mg/L	-0.0071 mg/L	-0.0071 mg/L	23:55:21
1	B 182.528†	25.0	29.2	0.0948 mg/L	0.0948 mg/L	0.0948 mg/L	23:55:21
1	Ba 233.527†	-61.5	-7.6	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	23:55:21
1	Be 313.107†	-438.1	-17.4	-0.0002 mg/L	-0.0002 mg/L	-0.0002 mg/L	23:55:11
1	Ca 315.887†	-734.8	253.8	0.0173 mg/L	0.0173 mg/L	0.0173 mg/L	23:55:11
1	Cd 228.802†	66.1	9.1	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	23:55:21
1	Co 228.616†	-43.0	-6.3	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	23:55:21
1	Cr 267.716†	438.3	-5.4	-0.0003 mg/L	-0.0003 mg/L	-0.0003 mg/L	23:55:11
1	Cu 324.752†	2111.1	131.6	0.0055 mg/L	0.0055 mg/L	0.0055 mg/L	23:55:11
1	Fe 238.204†	487.4	381.7	0.0108 mg/L	0.0108 mg/L	0.0108 mg/L	23:55:21
1	Mg 279.077†	199.3	5.0	0.0188 mg/L	0.0188 mg/L	0.0188 mg/L	23:55:11
1	Mn 257.610†	524.4	241.0	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	23:55:21
1	Mo 202.031†	-4.9	0.5	0.0015 mg/L	0.0015 mg/L	0.0015 mg/L	23:55:21
1	Ni 231.604†	6.3	15.1	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	23:55:21
1	P 214.914†	235.2	43.8	0.0324 mg/L	0.0324 mg/L	0.0324 mg/L	23:55:21
1	Pb 220.353†	-34.1	-16.6	-0.0055 mg/L	-0.0055 mg/L	-0.0055 mg/L	23:55:21
1	Sb 206.836†	24.8	3.8	0.0092 mg/L	0.0092 mg/L	0.0092 mg/L	23:55:21
1	Se 196.026†	0.6	-1.4	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	23:55:21
1	Sn 189.927†	12.5	16.4	0.0151 mg/L	0.0151 mg/L	0.0151 mg/L	23:55:21
1	Ti 337.279†	-327.7	264.2	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	23:55:11
1	Tl 190.801†	4.5	0.6	0.0090 mg/L	0.0090 mg/L	0.0090 mg/L	23:55:21
1	V 292.402†	-820.7	20.3	-0.0006 mg/L	-0.0006 mg/L	-0.0006 mg/L	23:55:11
1	Zn 213.857†	746.5	155.7	0.0028 mg/L	0.0028 mg/L	0.0028 mg/L	23:55:21
2	B 249.677†	167.6	157.9	0.0921 mg/L	0.0921 mg/L	0.0921 mg/L	23:55:07
2	Fe 234.349†	9.9	4.0	-0.0052 mg/L	-0.0052 mg/L	-0.0052 mg/L	23:55:07
2	K 766.490†	132.0	-9.6	-0.1509 mg/L	-0.1509 mg/L	-0.1509 mg/L	23:54:57
2	Li 670.784†	-120.8	28.3	-0.0042 mg/L	-0.0042 mg/L	-0.0042 mg/L	23:54:57
2	Na 589.592†	-551.7	79.8	-0.2319 mg/L	-0.2319 mg/L	-0.2319 mg/L	23:54:57

2	Sr 407.771†	127.7	38.1	-0.0002 mg/L	-0.0002 mg/L	23:54:57
2	Y 371.029	673740.8	673740.8	1.09 mg/L		23:55:23
2	Ag 328.068†	1706.3	137.7	0.0023 mg/L	0.0023 mg/L	23:55:23
2	Al 237.313†	-168.3	3.9	-0.0042 mg/L	-0.0042 mg/L	23:55:33
2	As 188.979†	6.8	1.1	0.0025 mg/L	0.0025 mg/L	23:55:33
2	B 182.528†	19.8	23.8	0.0779 mg/L	0.0779 mg/L	23:55:33
2	Ba 233.527†	-51.8	2.8	0.0009 mg/L	0.0009 mg/L	23:55:33
2	Be 313.107†	-500.5	-64.6	-0.0002 mg/L	-0.0002 mg/L	23:55:23
2	Ca 315.887†	-694.2	308.3	0.0192 mg/L	0.0192 mg/L	23:55:23
2	Cd 228.802†	70.3	11.4	0.0008 mg/L	0.0008 mg/L	23:55:33
2	Co 228.616†	-35.0	2.0	0.0009 mg/L	0.0009 mg/L	23:55:33
2	Cr 267.716†	464.5	8.5	0.0003 mg/L	0.0003 mg/L	23:55:23
2	Cu 324.752†	2095.4	68.1	0.0047 mg/L	0.0047 mg/L	23:55:23
2	Fe 238.204†	465.8	350.5	0.0100 mg/L	0.0100 mg/L	23:55:33
2	Mg 279.077†	192.5	-5.9	0.0164 mg/L	0.0164 mg/L	23:55:23
2	Mn 257.610†	536.7	240.1	0.0012 mg/L	0.0012 mg/L	23:55:33
2	Mo 202.031†	-1.3	3.9	0.0023 mg/L	0.0023 mg/L	23:55:33
2	Ni 231.604†	-5.1	4.4	-0.0004 mg/L	-0.0004 mg/L	23:55:33
2	P 214.914†	241.5	44.2	0.0327 mg/L	0.0327 mg/L	23:55:33
2	Pb 220.353†	-24.3	-6.7	-0.0019 mg/L	-0.0019 mg/L	23:55:33
2	Sb 206.836†	29.1	7.2	0.0162 mg/L	0.0162 mg/L	23:55:33
2	Se 196.026†	2.3	0.1	0.0033 mg/L	0.0033 mg/L	23:55:33
2	Sn 189.927†	-7.0	-1.9	-0.0013 mg/L	-0.0013 mg/L	23:55:33
2	Ti 337.279†	-643.0	-18.7	-0.0003 mg/L	-0.0003 mg/L	23:55:23
2	Tl 190.801†	1.2	-2.6	-0.0022 mg/L	-0.0022 mg/L	23:55:33
2	V 292.402†	-829.7	31.0	-0.0004 mg/L	-0.0004 mg/L	23:55:23
2	Zn 213.857†	702.0	97.3	0.0015 mg/L	0.0015 mg/L	23:55:33

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	665447.8	1.07 mg/L	0.019			1.76%
Ag 328.068†	143.4	0.0024 mg/L	0.00016	0.0024 mg/L	0.00016	6.70%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	6.6	-0.0032 mg/L	0.00143	-0.0032 mg/L	0.00143	44.57%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	-1.0	-0.0023 mg/L	0.00679	-0.0023 mg/L	0.00679	299.28%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	26.5	0.0863 mg/L	0.01197	0.0863 mg/L	0.01197	13.87%
QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B 249.677†	172.9	0.1009 mg/L	0.01238	0.1009 mg/L	0.01238	12.27%
QC value greater than the upper limit for B 249.677 Recovery = Not calculated						
Ba 233.527†	-2.4	0.0006 mg/L	0.00044	0.0006 mg/L	0.00044	76.00%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	-41.0	-0.0002 mg/L	0.00004	-0.0002 mg/L	0.00004	18.43%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	281.0	0.0183 mg/L	0.00132	0.0183 mg/L	0.00132	7.25%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	10.2	0.0008 mg/L	0.00012	0.0008 mg/L	0.00012	15.59%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	-2.2	0.0006 mg/L	0.00047	0.0006 mg/L	0.00047	79.98%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 267.716†	1.5	0.0000 mg/L	0.00037	0.0000 mg/L	0.00037	>999.9%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	99.8	0.0051 mg/L	0.00062	0.0051 mg/L	0.00062	12.07%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	8.0	-0.0019 mg/L	0.00468	-0.0019 mg/L	0.00468	241.85%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	366.1	0.0104 mg/L	0.00061	0.0104 mg/L	0.00061	5.89%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	15.9	-0.1374 mg/L	0.01913	-0.1374 mg/L	0.01913	13.92%
QC value less than the lower limit for K 766.490 Recovery = Not calculated						
Li 670.784†	-2.7	-0.0051 mg/L	0.00125	-0.0051 mg/L	0.00125	24.44%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	-0.5	0.0176 mg/L	0.00167	0.0176 mg/L	0.00167	9.48%
QC value greater than the upper limit for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	240.6	0.0012 mg/L	0.00000	0.0012 mg/L	0.00000	0.25%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	2.2	0.0019 mg/L	0.00055	0.0019 mg/L	0.00055	29.75%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	71.4	-0.2334 mg/L	0.00211	-0.2334 mg/L	0.00211	0.90%
QC value less than the lower limit for Na 589.592 Recovery = Not calculated						

Ni 231.604†	9.7	0.0002 mg/L	0.00076	0.0002 mg/L	0.00076	439.79%
QC value within limits for Ni 231.604 Recovery = Not calculated						
P 214.914†	44.0	0.0326 mg/L	0.00021	0.0326 mg/L	0.00021	0.66%
QC value greater than the upper limit for P 214.914 Recovery = Not calculated						
Pb 220.353†	-11.7	-0.0037 mg/L	0.00255	-0.0037 mg/L	0.00255	69.28%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	5.5	0.0127 mg/L	0.00489	0.0127 mg/L	0.00489	38.50%
QC value greater than the upper limit for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-0.6	0.0021 mg/L	0.00166	0.0021 mg/L	0.00166	77.49%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	7.2	0.0069 mg/L	0.01159	0.0069 mg/L	0.01159	167.11%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	44.9	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	7.44%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	122.8	0.0005 mg/L	0.00108	0.0005 mg/L	0.00108	221.73%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-1.0	0.0034 mg/L	0.00789	0.0034 mg/L	0.00789	232.28%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	25.6	-0.0005 mg/L	0.00017	-0.0005 mg/L	0.00017	33.59%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 213.857†	126.5	0.0022 mg/L	0.00094	0.0022 mg/L	0.00094	43.44%
QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

Sequence No.: 42
Sample ID: 1210127-12 @10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 10/9/2012 11:57:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-12 @10

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	93.9	87.8	0.0510 mg/L	0.0510 mg/L	23:58:59
1	Fe 234.349†	48400.9	43409.7	35.91 mg/L	35.91 mg/L	23:58:49
1	K 766.490†	2789.6	2371.0	1.112 mg/L	1.112 mg/L	23:58:49
1	Li 670.784†	421.7	517.7	0.0098 mg/L	0.0098 mg/L	23:58:49
1	Na 589.592†	2998.4	3277.7	0.3317 mg/L	0.3317 mg/L	23:58:49
1	Sr 407.771†	96762.9	86715.2	0.0961 mg/L	0.0961 mg/L	23:58:49
1	Y 371.029	691980.5	691980.5	1.11 mg/L		23:59:15
1	Ag 328.068†	5593.7	3583.2	0.0744 mg/L	0.0744 mg/L	23:59:18
1	Al 237.313†	32049.7	28906.9	10.86 mg/L	10.86 mg/L	23:59:18
1	As 188.979†	6.9	1.0	0.0172 mg/L	0.0172 mg/L	23:59:28
1	B 182.528†	5.4	10.4	0.0356 mg/L	0.0356 mg/L	23:59:28
1	Ba 233.527†	7977.1	7205.9	0.4358 mg/L	0.4358 mg/L	23:59:18
1	Be 313.107†	1052.0	1340.1	0.0013 mg/L	0.0013 mg/L	23:59:18
1	Ca 315.887†	709438.7	637302.4	21.89 mg/L	21.89 mg/L	23:59:15
1	Cd 228.802†	330.4	243.0	0.0222 mg/L	0.0222 mg/L	23:59:28
1	Co 228.616†	138.6	158.6	0.0124 mg/L	0.0124 mg/L	23:59:28
1	Cr 267.716†	10766.8	9238.2	0.3493 mg/L	0.3493 mg/L	23:59:18
1	Cu 324.752†	436313.2	389503.2	5.334 mg/L	5.334 mg/L	23:59:15
1	Fe 238.204†	1487653.3	1334321.2	37.07 mg/L	37.07 mg/L	23:59:15
1	Mg 279.077†	17291.2	15326.6	3.352 mg/L	3.352 mg/L	23:59:18
1	Mn 257.610†	104108.4	93129.2	0.4819 mg/L	0.4819 mg/L	23:59:18
1	Mo 202.031†	66.5	64.7	0.0012 mg/L	0.0012 mg/L	23:59:28
1	Ni 231.604†	2190.7	1974.2	0.1963 mg/L	0.1963 mg/L	23:59:18
1	P 214.914†	1805.0	1440.8	1.330 mg/L	1.330 mg/L	23:59:28
1	Pb 220.353†	27339.8	24539.0	8.955 mg/L	8.955 mg/L	23:59:18
1	Sb 206.836†	23.8	1.8	-0.0108 mg/L	-0.0108 mg/L	23:59:28
1	Se 196.026†	-2.6	-4.4	0.0119 mg/L	0.0119 mg/L	23:59:28
1	Sn 189.927†	195.4	179.8	0.2668 mg/L	0.2668 mg/L	23:59:28
1	Ti 337.279†	103764.4	93648.6	0.5033 mg/L	0.5033 mg/L	23:59:18
1	Tl 190.801†	3.7	-0.4	-0.0158 mg/L	-0.0158 mg/L	23:59:28
1	V 292.402†	3214.4	3678.7	0.0706 mg/L	0.0706 mg/L	23:59:18
1	Zn 213.857†	142270.4	127064.7	2.883 mg/L	2.883 mg/L	23:59:18
2	B 249.677†	92.2	88.4	0.0513 mg/L	0.0513 mg/L	23:59:11
2	Fe 234.349†	47316.2	43508.3	35.99 mg/L	35.99 mg/L	23:59:01
2	K 766.490†	2773.0	2418.9	1.137 mg/L	1.137 mg/L	23:59:01
2	Li 670.784†	373.3	482.8	0.0088 mg/L	0.0088 mg/L	23:59:01
2	Na 589.592†	2997.0	3344.2	0.3434 mg/L	0.3434 mg/L	23:59:01
2	Sr 407.771†	95087.3	87365.7	0.0968 mg/L	0.0968 mg/L	23:59:01

2	Y 371.029	674939.6	674939.6	1.09	mg/L			23:59:30
2	Ag 328.068†	5476.7	3602.3	0.0748	mg/L	0.0748	mg/L	23:59:32
2	Al 237.313†	31783.3	29387.8	11.04	mg/L	11.04	mg/L	23:59:32
2	As 188.979†	11.5	5.3	0.0274	mg/L	0.0274	mg/L	23:59:43
2	B 182.528†	14.4	18.8	0.0621	mg/L	0.0621	mg/L	23:59:43
2	Ba 233.527†	7878.3	7295.6	0.4412	mg/L	0.4412	mg/L	23:59:32
2	Be 313.107†	1042.7	1355.4	0.0013	mg/L	0.0013	mg/L	23:59:32
2	Ca 315.887†	692252.4	637564.0	21.90	mg/L	21.90	mg/L	23:59:30
2	Cd 228.802†	326.0	246.4	0.0225	mg/L	0.0225	mg/L	23:59:43
2	Co 228.616†	130.0	153.8	0.0120	mg/L	0.0120	mg/L	23:59:43
2	Cr 267.716†	10705.0	9425.2	0.3563	mg/L	0.3563	mg/L	23:59:32
2	Cu 324.752†	427531.0	391308.1	5.359	mg/L	5.359	mg/L	23:59:30
2	Fe 238.204†	1454427.7	1337457.0	37.16	mg/L	37.16	mg/L	23:59:30
2	Mg 279.077†	17228.0	15660.1	3.424	mg/L	3.424	mg/L	23:59:32
2	Mn 257.610†	103337.2	94777.7	0.4904	mg/L	0.4904	mg/L	23:59:32
2	Mo 202.031†	72.6	71.8	0.0028	mg/L	0.0028	mg/L	23:59:43
2	Ni 231.604†	2190.2	2023.3	0.2012	mg/L	0.2012	mg/L	23:59:32
2	P 214.914†	1810.3	1486.5	1.373	mg/L	1.373	mg/L	23:59:43
2	Pb 220.353†	27252.5	25077.8	9.152	mg/L	9.152	mg/L	23:59:32
2	Sb 206.836†	27.1	5.3	-0.0037	mg/L	-0.0037	mg/L	23:59:43
2	Se 196.026†	-5.2	-6.8	0.0082	mg/L	0.0082	mg/L	23:59:43
2	Sn 189.927†	192.5	181.6	0.2686	mg/L	0.2686	mg/L	23:59:43
2	Ti 337.279†	102927.8	95229.3	0.5118	mg/L	0.5118	mg/L	23:59:32
2	Tl 190.801†	3.0	-0.9	-0.0178	mg/L	-0.0178	mg/L	23:59:43
2	V 292.402†	3224.9	3761.2	0.0723	mg/L	0.0723	mg/L	23:59:32
2	Zn 213.857†	141302.6	129396.7	2.936	mg/L	2.936	mg/L	23:59:32

Mean Data: 1210127-12 @10

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	683460.1	1.10	mg/L	0.019				1.76%
Ag 328.068†	3592.8	0.0746	mg/L	0.00028	0.0746	mg/L	0.00028	0.37%
Al 237.313†	29147.4	10.95	mg/L	0.128	10.95	mg/L	0.128	1.17%
As 188.979†	3.2	0.0223	mg/L	0.00715	0.0223	mg/L	0.00715	32.05%
B 182.528†	14.6	0.0489	mg/L	0.01872	0.0489	mg/L	0.01872	38.30%
B 249.677†	88.1	0.0512	mg/L	0.00023	0.0512	mg/L	0.00023	0.45%
Ba 233.527†	7250.7	0.4385	mg/L	0.00383	0.4385	mg/L	0.00383	0.87%
Be 313.107†	1347.7	0.0013	mg/L	0.00001	0.0013	mg/L	0.00001	0.91%
Ca 315.887†	637433.2	21.89	mg/L	0.006	21.89	mg/L	0.006	0.03%
Cd 228.802†	244.7	0.0223	mg/L	0.00019	0.0223	mg/L	0.00019	0.87%
Co 228.616†	156.2	0.0122	mg/L	0.00028	0.0122	mg/L	0.00028	2.30%
Cr 267.716†	9331.7	0.3528	mg/L	0.00500	0.3528	mg/L	0.00500	1.42%
Cu 324.752†	390405.6	5.347	mg/L	0.0175	5.347	mg/L	0.0175	0.33%
Fe 234.349†	43459.0	35.95	mg/L	0.058	35.95	mg/L	0.058	0.16%
Fe 238.204†	1335889.1	37.11	mg/L	0.062	37.11	mg/L	0.062	0.17%
K 766.490†	2395.0	1.125	mg/L	0.0180	1.125	mg/L	0.0180	1.60%
Li 670.784†	500.3	0.0093	mg/L	0.00071	0.0093	mg/L	0.00071	7.63%
Mg 279.077†	15493.4	3.388	mg/L	0.0513	3.388	mg/L	0.0513	1.51%
Mn 257.610†	93953.4	0.4862	mg/L	0.00603	0.4862	mg/L	0.00603	1.24%
Mo 202.031†	68.3	0.0020	mg/L	0.00111	0.0020	mg/L	0.00111	56.12%
Na 589.592†	3310.9	0.3376	mg/L	0.00830	0.3376	mg/L	0.00830	2.46%
Ni 231.604†	1998.8	0.1987	mg/L	0.00347	0.1987	mg/L	0.00347	1.75%
P 214.914†	1463.7	1.351	mg/L	0.0302	1.351	mg/L	0.0302	2.23%
Pb 220.353†	24808.4	9.053	mg/L	0.1391	9.053	mg/L	0.1391	1.54%
Sb 206.836†	3.5	-0.0073	mg/L	0.00507	-0.0073	mg/L	0.00507	69.93%
Se 196.026†	-5.6	0.0101	mg/L	0.00258	0.0101	mg/L	0.00258	25.60%
Sn 189.927†	180.7	0.2677	mg/L	0.00127	0.2677	mg/L	0.00127	0.48%
Sr 407.771†	87040.4	0.0965	mg/L	0.00051	0.0965	mg/L	0.00051	0.53%
Ti 337.279†	94438.9	0.5075	mg/L	0.00601	0.5075	mg/L	0.00601	1.18%
Tl 190.801†	-0.7	-0.0168	mg/L	0.00143	-0.0168	mg/L	0.00143	8.53%
V 292.402†	3719.9	0.0714	mg/L	0.00124	0.0714	mg/L	0.00124	1.73%
Zn 213.857†	128230.7	2.909	mg/L	0.0375	2.909	mg/L	0.0375	1.29%

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Sequence No.: 43
Sample ID: CJ20518-MS1 @10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41

Date Collected: 10/10/2012 12:01:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-MS1 @10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	141.7	134.7	0.0783	mg/L	0.0783	mg/L	00:03:11
1	Fe 234.349†	35526.7	32874.0	27.20	mg/L	27.20	mg/L	00:03:01
1	K 766.490†	5688.2	5133.1	2.577	mg/L	2.577	mg/L	00:03:01
1	Li 670.784†	1698.0	1711.0	0.0439	mg/L	0.0439	mg/L	00:03:01
1	Na 589.592†	14813.7	14297.8	2.274	mg/L	2.274	mg/L	00:03:01
1	Sr 407.771†	32644.2	30131.9	0.0333	mg/L	0.0333	mg/L	00:03:01
1	Y 371.029	670676.4	670676.4	1.08	mg/L			00:03:28
1	Ag 328.068†	7086.9	5124.5	0.1047	mg/L	0.1047	mg/L	00:03:30
1	Al 237.313†	22883.0	21336.6	8.022	mg/L	8.022	mg/L	00:03:30
1	As 188.979†	29.8	22.3	0.0626	mg/L	0.0626	mg/L	00:03:41
1	B 182.528†	17.4	21.7	0.0711	mg/L	0.0711	mg/L	00:03:41
1	Ba 233.527†	6820.1	6362.3	0.3848	mg/L	0.3848	mg/L	00:03:30
1	Be 313.107†	6217.3	6150.4	0.0065	mg/L	0.0065	mg/L	00:03:30
1	Ca 315.887†	118156.4	110298.7	3.796	mg/L	3.796	mg/L	00:03:28
1	Cd 228.802†	406.2	322.5	0.0293	mg/L	0.0293	mg/L	00:03:41
1	Co 228.616†	1139.1	1088.5	0.0866	mg/L	0.0866	mg/L	00:03:41
1	Cr 267.716†	27621.3	25143.4	0.9506	mg/L	0.9506	mg/L	00:03:30
1	Cu 324.752†	902851.2	833704.7	11.41	mg/L	11.41	mg/L	00:03:28
1	Fe 238.204†	1098233.7	1016310.1	28.24	mg/L	28.24	mg/L	00:03:28
1	Mg 279.077†	11681.5	10627.7	2.330	mg/L	2.330	mg/L	00:03:30
1	Mn 257.610†	106403.9	98219.9	0.5083	mg/L	0.5083	mg/L	00:03:30
1	Mo 202.031†	193.2	183.8	0.0268	mg/L	0.0268	mg/L	00:03:41
1	Ni 231.604†	4683.9	4343.9	0.4328	mg/L	0.4328	mg/L	00:03:30
1	P 214.914†	6823.5	6136.7	5.608	mg/L	5.608	mg/L	00:03:30
1	Pb 220.353†	8463.4	7848.3	2.803	mg/L	2.803	mg/L	00:03:30
1	Sb 206.836†	35.2	13.0	0.0159	mg/L	0.0159	mg/L	00:03:41
1	Se 196.026†	55.1	48.9	0.0882	mg/L	0.0882	mg/L	00:03:41
1	Sn 189.927†	1045.2	971.9	0.9522	mg/L	0.9522	mg/L	00:03:41
1	Ti 337.279†	77181.6	72003.4	0.3869	mg/L	0.3869	mg/L	00:03:30
1	Tl 190.801†	15.4	10.6	0.0275	mg/L	0.0275	mg/L	00:03:41
1	V 292.402†	6722.3	7016.7	0.1456	mg/L	0.1456	mg/L	00:03:30
1	Zn 213.857†	2235535.5	2068384.8	47.09	mg/L	47.09	mg/L	00:03:28
2	B 249.677†	136.8	128.0	0.0744	mg/L	0.0744	mg/L	00:03:24
2	Fe 234.349†	34971.1	31822.6	26.33	mg/L	26.33	mg/L	00:03:14
2	K 766.490†	5514.4	4887.6	2.447	mg/L	2.447	mg/L	00:03:14
2	Li 670.784†	1774.3	1754.3	0.0452	mg/L	0.0452	mg/L	00:03:14
2	Na 589.592†	14574.2	13852.3	2.196	mg/L	2.196	mg/L	00:03:14
2	Sr 407.771†	32198.1	29224.3	0.0323	mg/L	0.0323	mg/L	00:03:14
2	Y 371.029	681997.5	681997.5	1.10	mg/L			00:03:43
2	Ag 328.068†	7035.9	4969.2	0.1015	mg/L	0.1015	mg/L	00:03:45
2	Al 237.313†	22592.4	20720.6	7.790	mg/L	7.790	mg/L	00:03:45
2	As 188.979†	32.5	24.3	0.0667	mg/L	0.0667	mg/L	00:03:56
2	B 182.528†	20.1	23.9	0.0779	mg/L	0.0779	mg/L	00:03:56
2	Ba 233.527†	6787.4	6227.8	0.3767	mg/L	0.3767	mg/L	00:03:45
2	Be 313.107†	6180.0	6021.0	0.0063	mg/L	0.0063	mg/L	00:03:45
2	Ca 315.887†	119896.3	110067.1	3.788	mg/L	3.788	mg/L	00:03:43
2	Cd 228.802†	402.6	313.1	0.0284	mg/L	0.0284	mg/L	00:03:56
2	Co 228.616†	1121.0	1054.5	0.0839	mg/L	0.0839	mg/L	00:03:56
2	Cr 267.716†	27487.1	24597.0	0.9300	mg/L	0.9300	mg/L	00:03:45
2	Cu 324.752†	914365.6	830313.8	11.37	mg/L	11.37	mg/L	00:03:43
2	Fe 238.204†	1114381.8	1014134.9	28.18	mg/L	28.18	mg/L	00:03:43
2	Mg 279.077†	11556.4	10334.4	2.266	mg/L	2.266	mg/L	00:03:45
2	Mn 257.610†	105671.9	95919.1	0.4964	mg/L	0.4964	mg/L	00:03:45
2	Mo 202.031†	161.1	151.7	0.0197	mg/L	0.0197	mg/L	00:03:56
2	Ni 231.604†	4649.8	4241.0	0.4225	mg/L	0.4225	mg/L	00:03:45
2	P 214.914†	6715.4	5933.5	5.416	mg/L	5.416	mg/L	00:03:45
2	Pb 220.353†	8478.3	7731.8	2.761	mg/L	2.761	mg/L	00:03:45
2	Sb 206.836†	30.8	8.5	0.0072	mg/L	0.0072	mg/L	00:03:56
2	Se 196.026†	55.2	48.2	0.0867	mg/L	0.0867	mg/L	00:03:56
2	Sn 189.927†	1051.2	961.3	0.9401	mg/L	0.9401	mg/L	00:03:56
2	Ti 337.279†	76528.0	70222.9	0.3774	mg/L	0.3774	mg/L	00:03:45
2	Tl 190.801†	12.4	7.6	0.0177	mg/L	0.0177	mg/L	00:03:56
2	V 292.402†	6821.7	7004.0	0.1453	mg/L	0.1453	mg/L	00:03:45
2	Zn 213.857†	2259093.8	2055481.5	46.79	mg/L	46.79	mg/L	00:03:43

Mean Data: CJ20518-MS1 @10

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	676337.0	1.09	mg/L	0.013				1.18%
Ag 328.068†	5046.9	0.1031	mg/L	0.00226	0.1031	mg/L	0.00226	2.19%

Al 237.313†	21028.6	7.906 mg/L	0.1639	7.906 mg/L	0.1639	2.07%
As 188.979†	23.3	0.0647 mg/L	0.00294	0.0647 mg/L	0.00294	4.55%
B 182.528†	22.8	0.0745 mg/L	0.00486	0.0745 mg/L	0.00486	6.53%
B 249.677†	131.4	0.0763 mg/L	0.00274	0.0763 mg/L	0.00274	3.59%
Ba 233.527†	6295.1	0.3807 mg/L	0.00574	0.3807 mg/L	0.00574	1.51%
Be 313.107†	6085.7	0.0064 mg/L	0.00010	0.0064 mg/L	0.00010	1.54%
Ca 315.887†	110182.9	3.792 mg/L	0.0056	3.792 mg/L	0.0056	0.15%
Cd 228.802†	317.8	0.0289 mg/L	0.00063	0.0289 mg/L	0.00063	2.18%
Co 228.616†	1071.5	0.0852 mg/L	0.00190	0.0852 mg/L	0.00190	2.23%
Cr 267.716†	24870.2	0.9403 mg/L	0.01462	0.9403 mg/L	0.01462	1.55%
Cu 324.752†	832009.2	11.39 mg/L	0.033	11.39 mg/L	0.033	0.29%
Fe 234.349†	32348.3	26.76 mg/L	0.615	26.76 mg/L	0.615	2.30%
Fe 238.204†	1015222.5	28.21 mg/L	0.043	28.21 mg/L	0.043	0.15%
K 766.490†	5010.3	2.512 mg/L	0.0921	2.512 mg/L	0.0921	3.67%
Li 670.784†	1732.6	0.0445 mg/L	0.00088	0.0445 mg/L	0.00088	1.97%
Mg 279.077†	10481.1	2.298 mg/L	0.0451	2.298 mg/L	0.0451	1.96%
Mn 257.610†	97069.5	0.5023 mg/L	0.00842	0.5023 mg/L	0.00842	1.68%
Mo 202.031†	167.8	0.0233 mg/L	0.00496	0.0233 mg/L	0.00496	21.33%
Na 589.592†	14075.0	2.235 mg/L	0.0555	2.235 mg/L	0.0555	2.48%
Ni 231.604†	4292.4	0.4277 mg/L	0.00727	0.4277 mg/L	0.00727	1.70%
P 214.914†	6035.1	5.512 mg/L	0.1359	5.512 mg/L	0.1359	2.46%
Pb 220.353†	7790.0	2.782 mg/L	0.0298	2.782 mg/L	0.0298	1.07%
Sb 206.836†	10.7	0.0116 mg/L	0.00618	0.0116 mg/L	0.00618	53.45%
Se 196.026†	48.6	0.0874 mg/L	0.00105	0.0874 mg/L	0.00105	1.20%
Sn 189.927†	966.6	0.9462 mg/L	0.00852	0.9462 mg/L	0.00852	0.90%
Sr 407.771†	29678.1	0.0328 mg/L	0.00071	0.0328 mg/L	0.00071	2.18%
Ti 337.279†	71113.1	0.3821 mg/L	0.00677	0.3821 mg/L	0.00677	1.77%
Tl 190.801†	9.1	0.0226 mg/L	0.00694	0.0226 mg/L	0.00694	30.70%
V 292.402†	7010.4	0.1455 mg/L	0.00019	0.1455 mg/L	0.00019	0.13%
Zn 213.857†	2061933.2	46.94 mg/L	0.208	46.94 mg/L	0.208	0.44%

Sequence No.: 44
Sample ID: 1210137-02 @3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 10/10/2012 12:05:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210137-02 @3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	27.7	27.1	0.0154 mg/L	0.0154 mg/L	00:07:23
1	Fe 234.349†	125584.0	106578.7	88.18 mg/L	88.18 mg/L	00:07:13
1	K 766.490†	11614.2	9725.9	5.013 mg/L	5.013 mg/L	00:07:23
1	Li 670.784†	2504.0	2264.7	0.0598 mg/L	0.0598 mg/L	00:07:23
1	Na 589.592†	42982.7	37067.8	6.287 mg/L	6.287 mg/L	00:07:13
1	Sr 407.771†	472766.4	401159.7	0.4453 mg/L	0.4453 mg/L	00:07:13
1	Y 371.029	731343.3	731343.3	1.18 mg/L		00:07:40
1	Ag 328.068†	1279.9	-348.0	-0.0006 mg/L	-0.0006 mg/L	00:07:42
1	Al 237.313†	125109.6	106340.1	39.97 mg/L	39.97 mg/L	00:07:42
1	As 188.979†	7.0	0.7	0.0385 mg/L	0.0385 mg/L	00:07:52
1	B 182.528†	3.2	8.3	0.0289 mg/L	0.0289 mg/L	00:07:52
1	Ba 233.527†	12642.2	10780.0	0.6515 mg/L	0.6515 mg/L	00:07:42
1	Be 313.107†	4783.3	4456.0	0.0046 mg/L	0.0046 mg/L	00:07:42
1	Ca 315.887†	1743453.4	1480625.7	50.84 mg/L	50.84 mg/L	00:07:40
1	Cd 228.802†	73.1	8.7	0.0006 mg/L	0.0006 mg/L	00:07:52
1	Co 228.616†	491.1	451.1	0.0333 mg/L	0.0333 mg/L	00:07:52
1	Cr 267.716†	1862.3	1161.1	0.0439 mg/L	0.0439 mg/L	00:07:42
1	Cu 324.752†	15381.8	11192.3	0.1582 mg/L	0.1582 mg/L	00:07:42
1	Fe 238.204†	3807210.0	3231120.1	89.77 mg/L	89.77 mg/L	00:07:40
1	Mg 279.077†	83264.0	70483.3	15.35 mg/L	15.35 mg/L	00:07:42
1	Mn 257.610†	718960.2	609930.9	3.156 mg/L	3.156 mg/L	00:07:40
1	Mo 202.031†	85.8	77.9	-0.0085 mg/L	-0.0085 mg/L	00:07:52
1	Ni 231.604†	630.6	544.3	0.0535 mg/L	0.0535 mg/L	00:07:52
1	P 214.914†	5819.7	4760.9	4.671 mg/L	4.671 mg/L	00:07:52
1	Pb 220.353†	1541.2	1323.6	0.4726 mg/L	0.4726 mg/L	00:07:52
1	Sb 206.836†	39.0	13.5	-0.0101 mg/L	-0.0101 mg/L	00:07:52
1	Se 196.026†	-9.1	-9.8	0.0260 mg/L	0.0260 mg/L	00:07:52
1	Sn 189.927†	-117.6	-95.2	0.1729 mg/L	0.1729 mg/L	00:07:52
1	Ti 337.279†	368967.7	313718.5	1.686 mg/L	1.686 mg/L	00:07:40
1	Tl 190.801†	0.5	-3.3	-0.0575 mg/L	-0.0575 mg/L	00:07:52
1	V 292.402†	6563.0	6365.5	0.1138 mg/L	0.1138 mg/L	00:07:42

1	Zn 213.857†	21852.7	17997.1	0.4086 mg/L	0.4086 mg/L	00:07:42
2	B 249.677†	39.1	37.0	0.0212 mg/L	0.0212 mg/L	00:07:35
2	Fe 234.349†	124093.6	106041.4	87.74 mg/L	87.74 mg/L	00:07:25
2	K 766.490†	11649.2	9823.9	5.065 mg/L	5.065 mg/L	00:07:35
2	Li 670.784†	2524.3	2296.7	0.0607 mg/L	0.0607 mg/L	00:07:35
2	Na 589.592†	42681.6	37062.5	6.286 mg/L	6.286 mg/L	00:07:25
2	Sr 407.771†	467040.1	399038.2	0.4429 mg/L	0.4429 mg/L	00:07:25
2	Y 371.029	726325.5	726325.5	1.17 mg/L	1.17 mg/L	00:07:55
2	Ag 328.068†	1210.5	-399.8	-0.0017 mg/L	-0.0017 mg/L	00:07:57
2	Al 237.313†	124398.2	106465.7	40.02 mg/L	40.02 mg/L	00:07:57
2	As 188.979†	12.1	5.1	0.0485 mg/L	0.0485 mg/L	00:08:07
2	B 182.528†	2.3	7.5	0.0265 mg/L	0.0265 mg/L	00:08:07
2	Ba 233.527†	12548.9	10774.4	0.6512 mg/L	0.6512 mg/L	00:07:57
2	Be 313.107†	4730.4	4438.9	0.0046 mg/L	0.0046 mg/L	00:07:57
2	Ca 315.887†	1736758.5	1485126.7	50.99 mg/L	50.99 mg/L	00:07:55
2	Cd 228.802†	69.9	6.4	0.0003 mg/L	0.0003 mg/L	00:08:07
2	Co 228.616†	475.2	440.4	0.0325 mg/L	0.0325 mg/L	00:08:07
2	Cr 267.716†	1890.5	1196.1	0.0452 mg/L	0.0452 mg/L	00:07:57
2	Cu 324.752†	15303.7	11215.7	0.1585 mg/L	0.1585 mg/L	00:07:57
2	Fe 238.204†	3792154.9	3240577.2	90.03 mg/L	90.03 mg/L	00:07:55
2	Mg 279.077†	83169.1	70890.4	15.44 mg/L	15.44 mg/L	00:07:57
2	Mn 257.610†	715832.1	611473.2	3.164 mg/L	3.164 mg/L	00:07:55
2	Mo 202.031†	81.8	75.0	-0.0090 mg/L	-0.0090 mg/L	00:08:07
2	Ni 231.604†	638.0	554.3	0.0545 mg/L	0.0545 mg/L	00:08:07
2	P 214.914†	5837.1	4809.9	4.716 mg/L	4.716 mg/L	00:08:07
2	Pb 220.353†	1548.4	1338.8	0.4781 mg/L	0.4781 mg/L	00:08:07
2	Sb 206.836†	34.1	9.6	-0.0179 mg/L	-0.0179 mg/L	00:08:07
2	Se 196.026†	-1.8	-3.5	0.0352 mg/L	0.0352 mg/L	00:08:07
2	Sn 189.927†	-119.2	-97.3	0.1697 mg/L	0.1697 mg/L	00:08:07
2	Ti 337.279†	367168.4	314344.2	1.690 mg/L	1.690 mg/L	00:07:55
2	Tl 190.801†	8.5	3.6	-0.0331 mg/L	-0.0331 mg/L	00:08:07
2	V 292.402†	6540.4	6384.7	0.1143 mg/L	0.1143 mg/L	00:07:57
2	Zn 213.857†	21848.3	18121.5	0.4114 mg/L	0.4114 mg/L	00:07:57

Mean Data: 1210137-02 @3

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	728834.4	1.17	mg/L	0.006				0.49%
Ag 328.068†	-373.9	-0.0012	mg/L	0.00076	-0.0012	mg/L	0.00076	64.96%
Al 237.313†	106402.9	39.99	mg/L	0.033	39.99	mg/L	0.033	0.08%
As 188.979†	2.9	0.0435	mg/L	0.00703	0.0435	mg/L	0.00703	16.15%
B 182.528†	7.9	0.0277	mg/L	0.00169	0.0277	mg/L	0.00169	6.12%
B 249.677†	32.0	0.0183	mg/L	0.00409	0.0183	mg/L	0.00409	22.39%
Ba 233.527†	10777.2	0.6514	mg/L	0.00024	0.6514	mg/L	0.00024	0.04%
Be 313.107†	4447.5	0.0046	mg/L	0.00001	0.0046	mg/L	0.00001	0.28%
Ca 315.887†	1482876.2	50.92	mg/L	0.109	50.92	mg/L	0.109	0.21%
Cd 228.802†	7.5	0.0005	mg/L	0.00018	0.0005	mg/L	0.00018	39.34%
Co 228.616†	445.7	0.0329	mg/L	0.00061	0.0329	mg/L	0.00061	1.85%
Cr 267.716†	1178.6	0.0445	mg/L	0.00093	0.0445	mg/L	0.00093	2.10%
Cu 324.752†	11204.0	0.1584	mg/L	0.00023	0.1584	mg/L	0.00023	0.14%
Fe 234.349†	106310.0	87.96	mg/L	0.315	87.96	mg/L	0.315	0.36%
Fe 238.204†	3235848.6	89.90	mg/L	0.186	89.90	mg/L	0.186	0.21%
K 766.490†	9774.9	5.039	mg/L	0.0368	5.039	mg/L	0.0368	0.73%
Li 670.784†	2280.7	0.0602	mg/L	0.00065	0.0602	mg/L	0.00065	1.08%
Mg 279.077†	70686.9	15.40	mg/L	0.063	15.40	mg/L	0.063	0.41%
Mn 257.610†	610702.0	3.160	mg/L	0.0056	3.160	mg/L	0.0056	0.18%
Mo 202.031†	76.4	-0.0087	mg/L	0.00037	-0.0087	mg/L	0.00037	4.27%
Na 589.592†	37065.1	6.287	mg/L	0.0007	6.287	mg/L	0.0007	0.01%
Ni 231.604†	549.3	0.0540	mg/L	0.00071	0.0540	mg/L	0.00071	1.31%
P 214.914†	4785.4	4.693	mg/L	0.0318	4.693	mg/L	0.0318	0.68%
Pb 220.353†	1331.2	0.4753	mg/L	0.00393	0.4753	mg/L	0.00393	0.83%
Sb 206.836†	11.6	-0.0140	mg/L	0.00551	-0.0140	mg/L	0.00551	39.42%
Se 196.026†	-6.7	0.0306	mg/L	0.00650	0.0306	mg/L	0.00650	21.21%
Sn 189.927†	-96.3	0.1713	mg/L	0.00222	0.1713	mg/L	0.00222	1.30%
Sr 407.771†	400099.0	0.4441	mg/L	0.00167	0.4441	mg/L	0.00167	0.38%
Ti 337.279†	314031.4	1.688	mg/L	0.0024	1.688	mg/L	0.0024	0.14%
Tl 190.801†	0.2	-0.0453	mg/L	0.01729	-0.0453	mg/L	0.01729	38.16%
V 292.402†	6375.1	0.1141	mg/L	0.00034	0.1141	mg/L	0.00034	0.30%
Zn 213.857†	18059.3	0.4100	mg/L	0.00200	0.4100	mg/L	0.00200	0.49%

Sample ID: CJ20518-DUP2 @3
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 10/10/2012 12:09:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-DUP2 @3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	4.0	5.4	0.0027	mg/L	0.0027	mg/L	00:11:44
1	Fe 234.349†	12.5	0.5	-0.0081	mg/L	-0.0081	mg/L	00:11:44
1	K 766.490†	120.8	-76.5	-0.1864	mg/L	-0.1864	mg/L	00:11:34
1	Li 670.784†	-279.4	13.0	-0.0047	mg/L	-0.0047	mg/L	00:11:34
1	Na 589.592†	-558.8	335.0	-0.1869	mg/L	-0.1869	mg/L	00:11:34
1	Sr 407.771†	101.1	-33.7	-0.0002	mg/L	-0.0002	mg/L	00:11:34
1	Y 371.029	1370513.8	1370513.8	2.21	mg/L			00:12:08
1	Ag 328.068†	1265.9	-860.9	-0.0178	mg/L	-0.0178	mg/L	00:12:11
1	Al 237.313†	-121.6	103.8	0.0333	mg/L	0.0333	mg/L	00:12:21
1	As 188.979†	-3.1	-6.6	-0.0152	mg/L	-0.0152	mg/L	00:12:21
1	B 182.528†	-0.3	5.4	0.0200	mg/L	0.0200	mg/L	00:12:21
1	Ba 233.527†	-59.3	23.7	0.0022	mg/L	0.0022	mg/L	00:12:21
1	Be 313.107†	-204.8	303.7	0.0002	mg/L	0.0002	mg/L	00:12:11
1	Ca 315.887†	-82.4	910.5	0.0399	mg/L	0.0399	mg/L	00:12:11
1	Cd 228.802†	68.1	-22.5	-0.0022	mg/L	-0.0022	mg/L	00:12:21
1	Co 228.616†	-70.2	2.5	0.0009	mg/L	0.0009	mg/L	00:12:21
1	Cr 267.716†	355.9	-258.3	-0.0098	mg/L	-0.0098	mg/L	00:12:11
1	Cu 324.752†	1443.2	-1208.7	-0.0128	mg/L	-0.0128	mg/L	00:12:11
1	Fe 238.204†	74.7	-44.8	-0.0010	mg/L	-0.0010	mg/L	00:12:21
1	Mg 279.077†	176.9	-103.2	-0.0047	mg/L	-0.0047	mg/L	00:12:11
1	Mn 257.610†	382.6	-81.0	-0.0004	mg/L	-0.0004	mg/L	00:12:21
1	Mo 202.031†	37.6	22.1	0.0064	mg/L	0.0064	mg/L	00:12:21
1	Ni 231.604†	-11.1	4.1	-0.0004	mg/L	-0.0004	mg/L	00:12:21
1	P 214.914†	364.3	-13.3	-0.0210	mg/L	-0.0210	mg/L	00:12:21
1	Pb 220.353†	13.3	21.6	0.0085	mg/L	0.0085	mg/L	00:12:21
1	Sb 206.836†	28.6	-6.6	-0.0121	mg/L	-0.0121	mg/L	00:12:21
1	Se 196.026†	6.5	0.9	0.0045	mg/L	0.0045	mg/L	00:12:21
1	Sn 189.927†	11.2	9.7	0.0091	mg/L	0.0091	mg/L	00:12:21
1	Ti 337.279†	990.0	1022.1	0.0053	mg/L	0.0053	mg/L	00:12:11
1	Tl 190.801†	-2.0	-4.6	-0.0093	mg/L	-0.0093	mg/L	00:12:21
1	V 292.402†	-529.3	555.7	0.0105	mg/L	0.0105	mg/L	00:12:11
1	Zn 213.857†	764.6	-203.1	-0.0053	mg/L	-0.0053	mg/L	00:12:21
2	B 249.677†	9.9	8.2	0.0044	mg/L	0.0044	mg/L	00:12:05
2	Fe 234.349†	1.0	-4.6	-0.0124	mg/L	-0.0124	mg/L	00:12:05
2	K 766.490†	115.2	-77.4	-0.1869	mg/L	-0.1869	mg/L	00:11:55
2	Li 670.784†	-294.6	2.1	-0.0050	mg/L	-0.0050	mg/L	00:11:55
2	Na 589.592†	-570.1	322.2	-0.1892	mg/L	-0.1892	mg/L	00:11:55
2	Sr 407.771†	123.7	-21.8	-0.0002	mg/L	-0.0002	mg/L	00:11:55
2	Y 371.029	1330434.1	1330434.1	2.14	mg/L			00:12:23
2	Ag 328.068†	1262.1	-845.4	-0.0175	mg/L	-0.0175	mg/L	00:12:25
2	Al 237.313†	-131.1	97.8	0.0310	mg/L	0.0310	mg/L	00:12:35
2	As 188.979†	2.9	-3.9	-0.0089	mg/L	-0.0089	mg/L	00:12:35
2	B 182.528†	-0.5	5.3	0.0196	mg/L	0.0196	mg/L	00:12:35
2	Ba 233.527†	-58.9	23.1	0.0021	mg/L	0.0021	mg/L	00:12:35
2	Be 313.107†	-248.3	280.6	0.0001	mg/L	0.0001	mg/L	00:12:25
2	Ca 315.887†	-113.4	894.9	0.0394	mg/L	0.0394	mg/L	00:12:25
2	Cd 228.802†	69.4	-21.0	-0.0021	mg/L	-0.0021	mg/L	00:12:35
2	Co 228.616†	-52.5	9.8	0.0015	mg/L	0.0015	mg/L	00:12:35
2	Cr 267.716†	378.1	-243.0	-0.0092	mg/L	-0.0092	mg/L	00:12:25
2	Cu 324.752†	1408.5	-1205.2	-0.0128	mg/L	-0.0128	mg/L	00:12:25
2	Fe 238.204†	69.4	-46.3	-0.0010	mg/L	-0.0010	mg/L	00:12:35
2	Mg 279.077†	139.6	-118.1	-0.0080	mg/L	-0.0080	mg/L	00:12:25
2	Mn 257.610†	346.9	-92.5	-0.0005	mg/L	-0.0005	mg/L	00:12:35
2	Mo 202.031†	34.6	21.2	0.0062	mg/L	0.0062	mg/L	00:12:35
2	Ni 231.604†	0.9	9.5	0.0002	mg/L	0.0002	mg/L	00:12:35
2	P 214.914†	360.2	-10.3	-0.0181	mg/L	-0.0181	mg/L	00:12:35
2	Pb 220.353†	13.1	21.7	0.0085	mg/L	0.0085	mg/L	00:12:35
2	Sb 206.836†	30.8	-5.2	-0.0092	mg/L	-0.0092	mg/L	00:12:35
2	Se 196.026†	3.3	-0.5	0.0024	mg/L	0.0024	mg/L	00:12:35
2	Sn 189.927†	-10.9	-0.5	-0.0001	mg/L	-0.0001	mg/L	00:12:35
2	Ti 337.279†	1159.5	1114.7	0.0058	mg/L	0.0058	mg/L	00:12:25
2	Tl 190.801†	-3.2	-5.1	-0.0113	mg/L	-0.0113	mg/L	00:12:35
2	V 292.402†	-597.9	516.5	0.0097	mg/L	0.0097	mg/L	00:12:25
2	Zn 213.857†	761.6	-194.1	-0.0051	mg/L	-0.0051	mg/L	00:12:35

Mean Data: CJ20518-DUP2 @3

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	1350473.9	2.18 mg/L	0.046			2.10%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 217.6%						
Ag 328.068†	-853.2	-0.0176 mg/L	0.00022	-0.0176 mg/L	0.00022	1.25%
Al 237.313†	100.8	0.0322 mg/L	0.00161	0.0322 mg/L	0.00161	4.99%
As 188.979†	-5.3	-0.0120 mg/L	0.00449	-0.0120 mg/L	0.00449	37.26%
B 182.528†	5.4	0.0198 mg/L	0.00028	0.0198 mg/L	0.00028	1.39%
B 249.677†	6.8	0.0035 mg/L	0.00116	0.0035 mg/L	0.00116	32.68%
Ba 233.527†	23.4	0.0021 mg/L	0.00003	0.0021 mg/L	0.00003	1.23%
Be 313.107†	292.2	0.0002 mg/L	0.00002	0.0002 mg/L	0.00002	10.77%
Ca 315.887†	902.7	0.0397 mg/L	0.00038	0.0397 mg/L	0.00038	0.96%
Cd 228.802†	-21.8	-0.0021 mg/L	0.00008	-0.0021 mg/L	0.00008	3.64%
Co 228.616†	6.1	0.0012 mg/L	0.00041	0.0012 mg/L	0.00041	32.97%
Cr 267.716†	-250.6	-0.0095 mg/L	0.00041	-0.0095 mg/L	0.00041	4.27%
Cu 324.752†	-1207.0	-0.0128 mg/L	0.00003	-0.0128 mg/L	0.00003	0.27%
Fe 234.349†	-2.0	-0.0102 mg/L	0.00304	-0.0102 mg/L	0.00304	29.69%
Fe 238.204†	-45.5	-0.0010 mg/L	0.00003	-0.0010 mg/L	0.00003	2.85%
K 766.490†	-77.0	-0.1867 mg/L	0.00037	-0.1867 mg/L	0.00037	0.20%
Li 670.784†	7.5	-0.0048 mg/L	0.00022	-0.0048 mg/L	0.00022	4.55%
Mg 279.077†	-110.6	-0.0064 mg/L	0.00230	-0.0064 mg/L	0.00230	36.19%
Mn 257.610†	-86.8	-0.0005 mg/L	0.00004	-0.0005 mg/L	0.00004	8.87%
Mo 202.031†	21.6	0.0063 mg/L	0.00014	0.0063 mg/L	0.00014	2.27%
Na 589.592†	328.6	-0.1881 mg/L	0.00161	-0.1881 mg/L	0.00161	0.85%
Ni 231.604†	6.8	-0.0001 mg/L	0.00039	-0.0001 mg/L	0.00039	339.38%
P 214.914†	-11.8	-0.0195 mg/L	0.00203	-0.0195 mg/L	0.00203	10.39%
Pb 220.353†	21.7	0.0085 mg/L	0.00003	0.0085 mg/L	0.00003	0.32%
Sb 206.836†	-5.9	-0.0106 mg/L	0.00202	-0.0106 mg/L	0.00202	18.97%
Se 196.026†	0.2	0.0035 mg/L	0.00147	0.0035 mg/L	0.00147	42.32%
Sn 189.927†	4.6	0.0045 mg/L	0.00647	0.0045 mg/L	0.00647	143.79%
Sr 407.771†	-27.8	-0.0002 mg/L	0.00001	-0.0002 mg/L	0.00001	4.17%
Ti 337.279†	1068.4	0.0056 mg/L	0.00035	0.0056 mg/L	0.00035	6.32%
Tl 190.801†	-4.9	-0.0103 mg/L	0.00142	-0.0103 mg/L	0.00142	13.74%
V 292.402†	536.1	0.0101 mg/L	0.00058	0.0101 mg/L	0.00058	5.70%
Zn 213.857†	-198.6	-0.0052 mg/L	0.00014	-0.0052 mg/L	0.00014	2.75%
Internal Standard Check failed. Continue with analysis.						

Sequence No.: 46

Sample ID: CJ20518-MS2 @3

Analyst: Autosampler Location: 44
Date Collected: 10/10/2012 12:14:13 AM
Initial Sample Wt: Data Type: Original
Dilution: Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ20518-MS2 @3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	256.9	225.5	0.1313 mg/L	0.1313 mg/L	00:16:02
1	Fe 234.349†	132255.7	114220.7	94.52 mg/L	94.52 mg/L	00:15:52
1	K 766.490†	31324.2	26922.8	14.14 mg/L	14.14 mg/L	00:15:52
1	Li 670.784†	8031.6	7076.2	0.1975 mg/L	0.1975 mg/L	00:16:02
1	Na 589.592†	75423.7	65729.7	11.34 mg/L	11.34 mg/L	00:15:52
1	Sr 407.771†	236796.2	204435.3	0.2268 mg/L	0.2268 mg/L	00:15:52
1	Y 371.029	718667.5	718667.5	1.16 mg/L		00:16:20
1	Ag 328.068†	5236.4	3088.3	0.0690 mg/L	0.0690 mg/L	00:16:22
1	Al 237.313†	157126.0	135864.7	51.07 mg/L	51.07 mg/L	00:16:22
1	As 188.979†	73.4	58.2	0.1729 mg/L	0.1729 mg/L	00:16:32
1	B 182.528†	53.4	51.7	0.1654 mg/L	0.1654 mg/L	00:16:32
1	Ba 233.527†	9968.8	8660.3	0.5235 mg/L	0.5235 mg/L	00:16:22
1	Be 313.107†	19185.1	16966.1	0.0178 mg/L	0.0178 mg/L	00:16:22
1	Ca 315.887†	1054754.1	911912.1	31.32 mg/L	31.32 mg/L	00:16:20
1	Cd 228.802†	937.2	756.0	0.0689 mg/L	0.0689 mg/L	00:16:32
1	Co 228.616†	2691.6	2358.9	0.1826 mg/L	0.1826 mg/L	00:16:32
1	Cr 267.716†	6869.5	5513.6	0.2086 mg/L	0.2086 mg/L	00:16:22
1	Cu 324.752†	25477.7	20142.1	0.2817 mg/L	0.2817 mg/L	00:16:22
1	Fe 238.204†	4064325.2	3510175.6	97.52 mg/L	97.52 mg/L	00:16:20
1	Mg 279.077†	117047.0	100907.2	21.97 mg/L	21.97 mg/L	00:16:22
1	Mn 257.610†	592212.3	511224.3	2.645 mg/L	2.645 mg/L	00:16:20
1	Mo 202.031†	746.2	649.6	0.1194 mg/L	0.1194 mg/L	00:16:32

1	Ni 231.604†	2425.7	2104.1	0.2094	mg/L	0.2094	mg/L	00:16:22
1	P 214.914†	5820.8	4849.0	4.766	mg/L	4.766	mg/L	00:16:32
1	Pb 220.353†	1509.3	1319.2	0.4677	mg/L	0.4677	mg/L	00:16:32
1	Sb 206.836†	78.2	48.0	0.0575	mg/L	0.0575	mg/L	00:16:32
1	Se 196.026†	195.7	167.0	0.2940	mg/L	0.2940	mg/L	00:16:32
1	Sn 189.927†	153.4	137.0	0.3998	mg/L	0.3998	mg/L	00:16:32
1	Ti 337.279†	626910.7	542020.5	2.914	mg/L	2.914	mg/L	00:16:20
1	Tl 190.801†	55.3	44.1	0.1036	mg/L	0.1036	mg/L	00:16:32
1	V 292.402†	14901.5	13665.5	0.2655	mg/L	0.2655	mg/L	00:16:22
1	Zn 213.857†	24323.1	20457.8	0.4636	mg/L	0.4636	mg/L	00:16:22
2	B 249.677†	262.7	231.8	0.1350	mg/L	0.1350	mg/L	00:16:15
2	Fe 234.349†	133067.2	115591.1	95.66	mg/L	95.66	mg/L	00:16:05
2	K 766.490†	31501.6	27234.4	14.30	mg/L	14.30	mg/L	00:16:05
2	Li 670.784†	8043.3	7126.8	0.1990	mg/L	0.1990	mg/L	00:16:15
2	Na 589.592†	75784.8	66422.8	11.46	mg/L	11.46	mg/L	00:16:05
2	Sr 407.771†	237958.1	206635.9	0.2293	mg/L	0.2293	mg/L	00:16:05
2	Y 371.029	714505.6	714505.6	1.15	mg/L			00:16:36
2	Ag 328.068†	5116.4	3010.4	0.0675	mg/L	0.0675	mg/L	00:16:38
2	Al 237.313†	155907.6	135596.7	50.97	mg/L	50.97	mg/L	00:16:38
2	As 188.979†	75.6	60.5	0.1787	mg/L	0.1787	mg/L	00:16:48
2	B 182.528†	48.1	47.4	0.1519	mg/L	0.1519	mg/L	00:16:48
2	Ba 233.527†	9895.1	8646.4	0.5226	mg/L	0.5226	mg/L	00:16:38
2	Be 313.107†	19182.4	17060.3	0.0179	mg/L	0.0179	mg/L	00:16:38
2	Ca 315.887†	1046803.0	910311.2	31.26	mg/L	31.26	mg/L	00:16:36
2	Cd 228.802†	955.8	776.9	0.0708	mg/L	0.0708	mg/L	00:16:48
2	Co 228.616†	2688.3	2369.6	0.1835	mg/L	0.1835	mg/L	00:16:48
2	Cr 267.716†	6762.1	5454.8	0.2064	mg/L	0.2064	mg/L	00:16:38
2	Cu 324.752†	25218.0	20044.6	0.2803	mg/L	0.2803	mg/L	00:16:38
2	Fe 238.204†	4036428.5	3506388.3	97.42	mg/L	97.42	mg/L	00:16:36
2	Mg 279.077†	116234.2	100790.1	21.94	mg/L	21.94	mg/L	00:16:38
2	Mn 257.610†	588230.4	510744.6	2.643	mg/L	2.643	mg/L	00:16:36
2	Mo 202.031†	756.3	662.1	0.1219	mg/L	0.1219	mg/L	00:16:48
2	Ni 231.604†	2392.3	2087.3	0.2078	mg/L	0.2078	mg/L	00:16:38
2	P 214.914†	5864.8	4916.5	4.832	mg/L	4.832	mg/L	00:16:48
2	Pb 220.353†	1551.1	1363.0	0.4838	mg/L	0.4838	mg/L	00:16:48
2	Sb 206.836†	75.7	46.2	0.0534	mg/L	0.0534	mg/L	00:16:48
2	Se 196.026†	196.8	169.0	0.2975	mg/L	0.2975	mg/L	00:16:48
2	Sn 189.927†	159.6	143.2	0.4086	mg/L	0.4086	mg/L	00:16:48
2	Ti 337.279†	622693.9	541511.3	2.911	mg/L	2.911	mg/L	00:16:36
2	Tl 190.801†	49.6	39.4	0.0865	mg/L	0.0865	mg/L	00:16:48
2	V 292.402†	14814.7	13665.1	0.2653	mg/L	0.2653	mg/L	00:16:38
2	Zn 213.857†	24215.0	20486.3	0.4643	mg/L	0.4643	mg/L	00:16:38

Mean Data: CJ20518-MS2 @3

Analyte	Mean Corrected		Calib	Std.Dev.	Sample			RSD
	Intensity	Conc.			Units	Conc.	Units	
Y 371.029	716586.6	1.15	mg/L	0.005				0.41%
Ag 328.068†	3049.4	0.0683	mg/L	0.00105	0.0683	mg/L	0.00105	1.53%
Al 237.313†	135730.7	51.02	mg/L	0.071	51.02	mg/L	0.071	0.14%
As 188.979†	59.3	0.1758	mg/L	0.00408	0.1758	mg/L	0.00408	2.32%
B 182.528†	49.5	0.1587	mg/L	0.00959	0.1587	mg/L	0.00959	6.04%
B 249.677†	228.6	0.1331	mg/L	0.00262	0.1331	mg/L	0.00262	1.97%
Ba 233.527†	8653.3	0.5231	mg/L	0.00059	0.5231	mg/L	0.00059	0.11%
Be 313.107†	17013.2	0.0179	mg/L	0.00007	0.0179	mg/L	0.00007	0.39%
Ca 315.887†	911111.6	31.29	mg/L	0.039	31.29	mg/L	0.039	0.12%
Cd 228.802†	766.5	0.0698	mg/L	0.00134	0.0698	mg/L	0.00134	1.93%
Co 228.616†	2364.3	0.1831	mg/L	0.00061	0.1831	mg/L	0.00061	0.33%
Cr 267.716†	5484.2	0.2075	mg/L	0.00157	0.2075	mg/L	0.00157	0.76%
Cu 324.752†	20093.4	0.2810	mg/L	0.00095	0.2810	mg/L	0.00095	0.34%
Fe 234.349†	114905.9	95.09	mg/L	0.802	95.09	mg/L	0.802	0.84%
Fe 238.204†	3508282.0	97.47	mg/L	0.074	97.47	mg/L	0.074	0.08%
K 766.490†	27078.6	14.22	mg/L	0.117	14.22	mg/L	0.117	0.82%
Li 670.784†	7101.5	0.1982	mg/L	0.00102	0.1982	mg/L	0.00102	0.52%
Mg 279.077†	100848.6	21.96	mg/L	0.018	21.96	mg/L	0.018	0.08%
Mn 257.610†	510984.5	2.644	mg/L	0.0018	2.644	mg/L	0.0018	0.07%
Mo 202.031†	655.8	0.1207	mg/L	0.00177	0.1207	mg/L	0.00177	1.46%
Na 589.592†	66076.2	11.40	mg/L	0.086	11.40	mg/L	0.086	0.76%
Ni 231.604†	2095.7	0.2086	mg/L	0.00118	0.2086	mg/L	0.00118	0.57%
P 214.914†	4882.7	4.799	mg/L	0.0468	4.799	mg/L	0.0468	0.97%
Pb 220.353†	1341.1	0.4757	mg/L	0.01135	0.4757	mg/L	0.01135	2.39%
Sb 206.836†	47.1	0.0555	mg/L	0.00290	0.0555	mg/L	0.00290	5.23%
Se 196.026†	168.0	0.2958	mg/L	0.00245	0.2958	mg/L	0.00245	0.83%

Sn 189.927†	140.1	0.4042 mg/L	0.00624	0.4042 mg/L	0.00624	1.54%
Sr 407.771†	205535.6	0.2280 mg/L	0.00173	0.2280 mg/L	0.00173	0.76%
Ti 337.279†	541765.9	2.912 mg/L	0.0019	2.912 mg/L	0.0019	0.07%
Tl 190.801†	41.8	0.0950 mg/L	0.01212	0.0950 mg/L	0.01212	12.76%
V 292.402†	13665.3	0.2654 mg/L	0.00015	0.2654 mg/L	0.00015	0.06%
Zn 213.857†	20472.0	0.4639 mg/L	0.00047	0.4639 mg/L	0.00047	0.10%

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Sequence No.: 47                               Autosampler Location: 45
Sample ID: CJ20518-SD2 @15                   Date Collected: 10/10/2012 12:18:25 AM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CJ20518-SD2 @15						
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	12.1	14.5	0.0081 mg/L	0.0081 mg/L	00:20:16
1	Fe 234.349†	28462.9	25740.2	21.29 mg/L	21.29 mg/L	00:20:06
1	K 766.490†	2713.1	2322.9	1.086 mg/L	1.086 mg/L	00:20:06
1	Li 670.784†	471.9	566.3	0.0112 mg/L	0.0112 mg/L	00:20:06
1	Na 589.592†	9315.1	9013.8	1.343 mg/L	1.343 mg/L	00:20:06
1	Sr 407.771†	105497.7	95345.5	0.1057 mg/L	0.1057 mg/L	00:20:06
1	Y 371.029	686213.1	686213.1	1.11 mg/L		00:20:33
1	Ag 328.068†	1465.5	-108.7	-0.0010 mg/L	-0.0010 mg/L	00:20:35
1	Al 237.313†	25088.3	22851.9	8.585 mg/L	8.585 mg/L	00:20:35
1	As 188.979†	4.9	-0.8	0.0072 mg/L	0.0072 mg/L	00:20:45
1	B 182.528†	-3.1	2.8	0.0116 mg/L	0.0116 mg/L	00:20:45
1	Ba 233.527†	2468.3	2283.1	0.1386 mg/L	0.1386 mg/L	00:20:45
1	Be 313.107†	762.0	1085.7	0.0010 mg/L	0.0010 mg/L	00:20:35
1	Ca 315.887†	355239.8	322270.0	11.07 mg/L	11.07 mg/L	00:20:33
1	Cd 228.802†	57.1	-1.7	-0.0003 mg/L	-0.0003 mg/L	00:20:45
1	Co 228.616†	77.5	104.4	0.0083 mg/L	0.0083 mg/L	00:20:45
1	Cr 267.716†	724.0	235.5	0.0089 mg/L	0.0089 mg/L	00:20:35
1	Cu 324.752†	4580.1	2280.4	0.0352 mg/L	0.0352 mg/L	00:20:35
1	Fe 238.204†	809888.3	732483.2	20.35 mg/L	20.35 mg/L	00:20:33
1	Mg 279.077†	16698.8	14921.1	3.264 mg/L	3.264 mg/L	00:20:35
1	Mn 257.610†	148154.0	133754.2	0.6921 mg/L	0.6921 mg/L	00:20:33
1	Mo 202.031†	18.9	22.2	-0.0002 mg/L	-0.0002 mg/L	00:20:45
1	Ni 231.604†	117.1	115.0	0.0107 mg/L	0.0107 mg/L	00:20:45
1	P 214.914†	1374.7	1065.2	1.042 mg/L	1.042 mg/L	00:20:45
1	Pb 220.353†	284.7	273.1	0.0979 mg/L	0.0979 mg/L	00:20:45
1	Sb 206.836†	26.0	4.0	0.0000 mg/L	0.0000 mg/L	00:20:45
1	Se 196.026†	2.0	-0.2	0.0119 mg/L	0.0119 mg/L	00:20:45
1	Sn 189.927†	-28.7	-21.4	0.0435 mg/L	0.0435 mg/L	00:20:45
1	Ti 337.279†	75611.4	68965.9	0.3706 mg/L	0.3706 mg/L	00:20:35
1	Tl 190.801†	2.1	-1.8	-0.0121 mg/L	-0.0121 mg/L	00:20:45
1	V 292.402†	749.9	1473.8	0.0254 mg/L	0.0254 mg/L	00:20:35
1	Zn 213.857†	5190.9	4145.9	0.0936 mg/L	0.0936 mg/L	00:20:45
2	B 249.677†	11.8	14.1	0.0079 mg/L	0.0079 mg/L	00:20:29
2	Fe 234.349†	28594.2	25597.6	21.17 mg/L	21.17 mg/L	00:20:19
2	K 766.490†	2734.1	2316.9	1.083 mg/L	1.083 mg/L	00:20:19
2	Li 670.784†	516.7	602.2	0.0122 mg/L	0.0122 mg/L	00:20:19
2	Na 589.592†	9178.5	8806.4	1.306 mg/L	1.306 mg/L	00:20:19
2	Sr 407.771†	105575.5	94450.9	0.1047 mg/L	0.1047 mg/L	00:20:19
2	Y 371.029	693217.8	693217.8	1.12 mg/L		00:20:48
2	Ag 328.068†	1401.4	-179.5	-0.0024 mg/L	-0.0024 mg/L	00:20:50
2	Al 237.313†	24092.9	21731.3	8.164 mg/L	8.164 mg/L	00:20:50
2	As 188.979†	-0.4	-5.6	-0.0038 mg/L	-0.0038 mg/L	00:21:00
2	B 182.528†	-2.0	3.7	0.0147 mg/L	0.0147 mg/L	00:21:00
2	Ba 233.527†	2391.4	2191.7	0.1330 mg/L	0.1330 mg/L	00:21:00
2	Be 313.107†	639.7	969.3	0.0009 mg/L	0.0009 mg/L	00:20:50
2	Ca 315.887†	341515.0	306734.2	10.54 mg/L	10.54 mg/L	00:20:48
2	Cd 228.802†	60.7	1.0	0.0000 mg/L	0.0000 mg/L	00:21:00
2	Co 228.616†	60.0	88.0	0.0071 mg/L	0.0071 mg/L	00:21:00
2	Cr 267.716†	719.1	224.4	0.0084 mg/L	0.0084 mg/L	00:20:50
2	Cu 324.752†	4505.0	2171.4	0.0337 mg/L	0.0337 mg/L	00:20:50
2	Fe 238.204†	779160.6	697567.9	19.38 mg/L	19.38 mg/L	00:20:48
2	Mg 279.077†	16082.0	14216.3	3.111 mg/L	3.111 mg/L	00:20:50
2	Mn 257.610†	142755.4	127566.3	0.6601 mg/L	0.6601 mg/L	00:20:48
2	Mo 202.031†	42.5	43.1	0.0045 mg/L	0.0045 mg/L	00:21:00
2	Ni 231.604†	114.6	111.7	0.0104 mg/L	0.0104 mg/L	00:21:00

2	P 214.914†	1307.2	992.2	0.9731 mg/L	0.9731 mg/L	00:21:00
2	Pb 220.353†	286.7	272.3	0.0977 mg/L	0.0977 mg/L	00:21:00
2	Sb 206.836†	30.4	7.7	0.0077 mg/L	0.0077 mg/L	00:21:00
2	Se 196.026†	-0.3	-2.3	0.0087 mg/L	0.0087 mg/L	00:21:00
2	Sn 189.927†	-37.1	-28.7	0.0366 mg/L	0.0366 mg/L	00:21:00
2	Ti 337.279†	72511.7	65499.4	0.3520 mg/L	0.3520 mg/L	00:20:50
2	Tl 190.801†	4.0	-0.1	-0.0060 mg/L	-0.0060 mg/L	00:21:00
2	V 292.402†	840.7	1548.1	0.0270 mg/L	0.0270 mg/L	00:20:50
2	Zn 213.857†	5081.9	4000.9	0.0903 mg/L	0.0903 mg/L	00:21:00

Mean Data: CJ20518-SD2 @15

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	689715.5	1.11 mg/L		0.008			0.72%
Ag 328.068†	-144.1	-0.0017 mg/L		0.00101	-0.0017 mg/L	0.00101	59.34%
Al 237.313†	22291.6	8.374 mg/L		0.2979	8.374 mg/L	0.2979	3.56%
As 188.979†	-3.2	0.0017 mg/L		0.00778	0.0017 mg/L	0.00778	465.64%
B 182.528†	3.3	0.0131 mg/L		0.00216	0.0131 mg/L	0.00216	16.47%
B 249.677†	14.3	0.0080 mg/L		0.00016	0.0080 mg/L	0.00016	1.98%
Ba 233.527†	2237.4	0.1358 mg/L		0.00390	0.1358 mg/L	0.00390	2.87%
Be 313.107†	1027.5	0.0009 mg/L		0.00009	0.0009 mg/L	0.00009	9.27%
Ca 315.887†	314502.1	10.81 mg/L		0.377	10.81 mg/L	0.377	3.49%
Cd 228.802†	-0.4	-0.0002 mg/L		0.00021	-0.0002 mg/L	0.00021	106.83%
Co 228.616†	96.2	0.0077 mg/L		0.00089	0.0077 mg/L	0.00089	11.62%
Cr 267.716†	229.9	0.0087 mg/L		0.00029	0.0087 mg/L	0.00029	3.37%
Cu 324.752†	2225.9	0.0345 mg/L		0.00107	0.0345 mg/L	0.00107	3.09%
Fe 234.349†	25668.9	21.23 mg/L		0.083	21.23 mg/L	0.083	0.39%
Fe 238.204†	715025.5	19.87 mg/L		0.686	19.87 mg/L	0.686	3.45%
K 766.490†	2319.9	1.085 mg/L		0.0022	1.085 mg/L	0.0022	0.21%
Li 670.784†	584.3	0.0117 mg/L		0.00073	0.0117 mg/L	0.00073	6.21%
Mg 279.077†	14568.7	3.188 mg/L		0.1084	3.188 mg/L	0.1084	3.40%
Mn 257.610†	130660.2	0.6761 mg/L		0.02264	0.6761 mg/L	0.02264	3.35%
Mo 202.031†	32.6	0.0022 mg/L		0.00339	0.0022 mg/L	0.00339	157.51%
Na 589.592†	8910.1	1.324 mg/L		0.0259	1.324 mg/L	0.0259	1.95%
Ni 231.604†	113.4	0.0105 mg/L		0.00023	0.0105 mg/L	0.00023	2.17%
P 214.914†	1028.7	1.008 mg/L		0.0487	1.008 mg/L	0.0487	4.84%
Pb 220.353†	272.7	0.0978 mg/L		0.00012	0.0978 mg/L	0.00012	0.13%
Sb 206.836†	5.8	0.0039 mg/L		0.00540	0.0039 mg/L	0.00540	139.69%
Se 196.026†	-1.3	0.0103 mg/L		0.00223	0.0103 mg/L	0.00223	21.76%
Sn 189.927†	-25.0	0.0401 mg/L		0.00488	0.0401 mg/L	0.00488	12.18%
Sr 407.771†	94898.2	0.1052 mg/L		0.00070	0.1052 mg/L	0.00070	0.67%
Ti 337.279†	67232.6	0.3613 mg/L		0.01318	0.3613 mg/L	0.01318	3.65%
Tl 190.801†	-0.9	-0.0091 mg/L		0.00436	-0.0091 mg/L	0.00436	48.10%
V 292.402†	1510.9	0.0262 mg/L		0.00114	0.0262 mg/L	0.00114	4.36%
Zn 213.857†	4073.4	0.0919 mg/L		0.00233	0.0919 mg/L	0.00233	2.54%

Sequence No.: 48

Sample ID: CJ20518-PDS2 @3

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 46

Date Collected: 10/10/2012 12:22:37 AM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ20518-PDS2 @3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	958.7	841.8	0.4917 mg/L		0.4917 mg/L	00:24:19
1	Fe 234.349†	119621.4	104588.8	86.52 mg/L		86.52 mg/L	00:24:17
1	K 766.490†	64913.6	56627.7	29.89 mg/L		29.89 mg/L	00:24:17
1	Li 670.784†	22428.3	19750.3	0.5603 mg/L		0.5603 mg/L	00:24:19
1	Na 589.592†	202261.2	177440.2	31.03 mg/L		31.03 mg/L	00:24:17
1	Sr 407.771†	499405.5	436588.1	0.4846 mg/L		0.4846 mg/L	00:24:17
1	Y 371.029	709872.7	709872.7	1.14 mg/L			00:24:28
1	Ag 328.068†	16304.1	12821.7	0.2642 mg/L		0.2642 mg/L	00:24:31
1	Al 237.313†	129243.9	113166.5	42.54 mg/L		42.54 mg/L	00:24:31
1	As 188.979†	259.9	222.0	0.5453 mg/L		0.5453 mg/L	00:24:41
1	B 182.528†	186.2	168.4	0.5325 mg/L		0.5325 mg/L	00:24:41
1	Ba 233.527†	22399.4	19636.0	1.186 mg/L		1.186 mg/L	00:24:31
1	Be 313.107†	62409.2	54965.5	0.0581 mg/L		0.0581 mg/L	00:24:31
1	Ca 315.887†	1873032.1	1638679.9	56.27 mg/L		56.27 mg/L	00:24:28
1	Cd 228.802†	3404.7	2923.6	0.2670 mg/L		0.2670 mg/L	00:24:41

1	Co	228.616†	8112.4	7127.5	0.5634	mg/L	0.5634	mg/L	00:24:41
1	Cr	267.716†	18083.2	15392.0	0.5826	mg/L	0.5826	mg/L	00:24:31
1	Cu	324.752†	59040.9	49761.5	0.6864	mg/L	0.6864	mg/L	00:24:31
1	Fe	238.204†	3788313.1	3312327.0	92.03	mg/L	92.03	mg/L	00:24:28
1	Mg	279.077†	109345.1	95425.4	20.78	mg/L	20.78	mg/L	00:24:31
1	Mn	257.610†	814444.7	711875.6	3.684	mg/L	3.684	mg/L	00:24:28
1	Mo	202.031†	2787.6	2442.5	0.5293	mg/L	0.5293	mg/L	00:24:41
1	Ni	231.604†	6716.5	5881.8	0.5871	mg/L	0.5871	mg/L	00:24:41
1	P	214.914†	11891.4	10219.2	9.784	mg/L	9.784	mg/L	00:24:41
1	Pb	220.353†	3168.4	2786.0	1.005	mg/L	1.005	mg/L	00:24:41
1	Sb	206.836†	307.5	249.3	0.4721	mg/L	0.4721	mg/L	00:24:41
1	Se	196.026†	767.6	669.1	1.044	mg/L	1.044	mg/L	00:24:41
1	Sn	189.927†	618.2	545.1	0.7427	mg/L	0.7427	mg/L	00:24:41
1	Ti	337.279†	468544.7	410257.4	2.205	mg/L	2.205	mg/L	00:24:28
1	Tl	190.801†	190.0	162.5	0.5250	mg/L	0.5250	mg/L	00:24:41
1	V	292.402†	35529.6	31861.6	0.6516	mg/L	0.6516	mg/L	00:24:31
1	Zn	213.857†	48057.2	41470.6	0.9394	mg/L	0.9394	mg/L	00:24:31
2	B	249.677†	932.0	819.7	0.4787	mg/L	0.4787	mg/L	00:24:24
2	Fe	234.349†	121806.1	106653.2	88.23	mg/L	88.23	mg/L	00:24:22
2	K	766.490†	66021.6	57680.0	30.45	mg/L	30.45	mg/L	00:24:22
2	Li	670.784†	22218.2	19594.6	0.5558	mg/L	0.5558	mg/L	00:24:24
2	Na	589.592†	205750.7	180751.8	31.61	mg/L	31.61	mg/L	00:24:22
2	Sr	407.771†	509273.6	445861.0	0.4949	mg/L	0.4949	mg/L	00:24:22
2	Y	371.029	708846.7	708846.7	1.14	mg/L			00:24:44
2	Ag	328.068†	16598.7	13100.3	0.2699	mg/L	0.2699	mg/L	00:24:46
2	Al	237.313†	130249.2	114210.4	42.93	mg/L	42.93	mg/L	00:24:46
2	As	188.979†	260.9	223.2	0.5487	mg/L	0.5487	mg/L	00:24:56
2	B	182.528†	189.2	171.2	0.5414	mg/L	0.5414	mg/L	00:24:56
2	Ba	233.527†	22558.1	19803.3	1.196	mg/L	1.196	mg/L	00:24:46
2	Be	313.107†	62550.0	55167.7	0.0583	mg/L	0.0583	mg/L	00:24:46
2	Ca	315.887†	1872768.7	1640819.9	56.34	mg/L	56.34	mg/L	00:24:44
2	Cd	228.802†	3441.7	2960.3	0.2704	mg/L	0.2704	mg/L	00:24:56
2	Co	228.616†	8213.3	7226.1	0.5712	mg/L	0.5712	mg/L	00:24:56
2	Cr	267.716†	18271.0	15579.4	0.5897	mg/L	0.5897	mg/L	00:24:46
2	Cu	324.752†	59474.6	50216.0	0.6927	mg/L	0.6927	mg/L	00:24:46
2	Fe	238.204†	3791960.0	3320314.9	92.25	mg/L	92.25	mg/L	00:24:44
2	Mg	279.077†	110206.6	96318.1	20.97	mg/L	20.97	mg/L	00:24:46
2	Mn	257.610†	814671.7	713105.2	3.690	mg/L	3.690	mg/L	00:24:44
2	Mo	202.031†	2801.8	2458.4	0.5323	mg/L	0.5323	mg/L	00:24:56
2	Ni	231.604†	6821.2	5982.0	0.5971	mg/L	0.5971	mg/L	00:24:56
2	P	214.914†	12031.1	10356.6	9.917	mg/L	9.917	mg/L	00:24:56
2	Pb	220.353†	3233.2	2846.7	1.027	mg/L	1.027	mg/L	00:24:56
2	Sb	206.836†	314.3	255.7	0.4843	mg/L	0.4843	mg/L	00:24:56
2	Se	196.026†	791.6	691.1	1.078	mg/L	1.078	mg/L	00:24:56
2	Sn	189.927†	644.4	568.8	0.7690	mg/L	0.7690	mg/L	00:24:56
2	Ti	337.279†	469132.7	411365.3	2.211	mg/L	2.211	mg/L	00:24:44
2	Tl	190.801†	185.5	158.8	0.5110	mg/L	0.5110	mg/L	00:24:56
2	V	292.402†	35995.9	32314.9	0.6608	mg/L	0.6608	mg/L	00:24:46
2	Zn	213.857†	48337.4	41776.8	0.9463	mg/L	0.9463	mg/L	00:24:46

Mean Data: CJ20518-PDS2 @3

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	709359.7	1.14	mg/L	0.001				0.10%
Ag 328.068†	12961.0	0.2671	mg/L	0.00406	0.2671	mg/L	0.00406	1.52%
Al 237.313†	113688.4	42.74	mg/L	0.278	42.74	mg/L	0.278	0.65%
As 188.979†	222.6	0.5470	mg/L	0.00244	0.5470	mg/L	0.00244	0.45%
B 182.528†	169.8	0.5370	mg/L	0.00628	0.5370	mg/L	0.00628	1.17%
B 249.677†	830.7	0.4852	mg/L	0.00917	0.4852	mg/L	0.00917	1.89%
Ba 233.527†	19719.6	1.191	mg/L	0.0071	1.191	mg/L	0.0071	0.60%
Be 313.107†	55066.6	0.0582	mg/L	0.00015	0.0582	mg/L	0.00015	0.26%
Ca 315.887†	1639749.9	56.30	mg/L	0.052	56.30	mg/L	0.052	0.09%
Cd 228.802†	2941.9	0.2687	mg/L	0.00238	0.2687	mg/L	0.00238	0.89%
Co 228.616†	7176.8	0.5673	mg/L	0.00554	0.5673	mg/L	0.00554	0.98%
Cr 267.716†	15485.7	0.5861	mg/L	0.00501	0.5861	mg/L	0.00501	0.86%
Cu 324.752†	49988.7	0.6895	mg/L	0.00440	0.6895	mg/L	0.00440	0.64%
Fe 234.349†	105621.0	87.38	mg/L	1.208	87.38	mg/L	1.208	1.38%
Fe 238.204†	3316321.0	92.14	mg/L	0.157	92.14	mg/L	0.157	0.17%
K 766.490†	57153.8	30.17	mg/L	0.395	30.17	mg/L	0.395	1.31%
Li 670.784†	19672.5	0.5581	mg/L	0.00315	0.5581	mg/L	0.00315	0.56%
Mg 279.077†	95871.7	20.88	mg/L	0.137	20.88	mg/L	0.137	0.66%
Mn 257.610†	712490.4	3.687	mg/L	0.0045	3.687	mg/L	0.0045	0.12%

Mo 202.031†	2450.5	0.5308 mg/L	0.00218	0.5308 mg/L	0.00218	0.41%
Na 589.592†	179096.0	31.32 mg/L	0.413	31.32 mg/L	0.413	1.32%
Ni 231.604†	5931.9	0.5921 mg/L	0.00708	0.5921 mg/L	0.00708	1.20%
P 214.914†	10287.9	9.850 mg/L	0.0941	9.850 mg/L	0.0941	0.95%
Pb 220.353†	2816.4	1.016 mg/L	0.0156	1.016 mg/L	0.0156	1.54%
Sb 206.836†	252.5	0.4782 mg/L	0.00861	0.4782 mg/L	0.00861	1.80%
Se 196.026†	680.1	1.061 mg/L	0.0239	1.061 mg/L	0.0239	2.25%
Sr 189.927†	557.0	0.7559 mg/L	0.01856	0.7559 mg/L	0.01856	2.46%
Sr 407.771†	441224.5	0.4897 mg/L	0.00728	0.4897 mg/L	0.00728	1.49%
Ti 337.279†	410811.3	2.208 mg/L	0.0042	2.208 mg/L	0.0042	0.19%
Tl 190.801†	160.6	0.5180 mg/L	0.00992	0.5180 mg/L	0.00992	1.92%
V 292.402†	32088.3	0.6562 mg/L	0.00649	0.6562 mg/L	0.00649	0.99%
Zn 213.857†	41623.7	0.9429 mg/L	0.00488	0.9429 mg/L	0.00488	0.52%

Sequence No.: 49
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/10/2012 12:26:34 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	902.0	825.8	0.4824	mg/L	0.4824 mg/L	00:28:25
1	Fe 234.349†	3277.6	2982.4	2.449	mg/L	2.449 mg/L	00:28:25
1	K 766.490†	49657.5	45131.7	23.79	mg/L	23.79 mg/L	00:28:15
1	Li 670.784†	18425.9	16934.7	0.4797	mg/L	0.4797 mg/L	00:28:15
1	Na 589.592†	149537.4	136891.6	23.88	mg/L	23.88 mg/L	00:28:15
1	Sr 407.771†	47519.6	43234.6	0.0478	mg/L	0.0478 mg/L	00:28:15
1	Y 371.029	680959.0	680959.0	1.10	mg/L		00:28:42
1	Ag 328.068†	14663.2	11931.3	0.2398	mg/L	0.2398 mg/L	00:28:42
1	Al 237.313†	7045.9	6581.3	2.473	mg/L	2.473 mg/L	00:28:42
1	As 188.979†	233.3	207.4	0.4767	mg/L	0.4767 mg/L	00:28:52
1	B 182.528†	162.4	153.6	0.4859	mg/L	0.4859 mg/L	00:28:52
1	Ba 233.527†	9038.5	8289.1	0.5009	mg/L	0.5009 mg/L	00:28:42
1	Be 313.107†	51283.7	47141.6	0.0498	mg/L	0.0498 mg/L	00:28:42
1	Ca 315.887†	159937.0	146730.6	5.048	mg/L	5.048 mg/L	00:28:42
1	Cd 228.802†	3031.2	2709.6	0.2474	mg/L	0.2474 mg/L	00:28:52
1	Co 228.616†	6813.2	6244.5	0.4965	mg/L	0.4965 mg/L	00:28:52
1	Cr 267.716†	14867.6	13132.4	0.4971	mg/L	0.4971 mg/L	00:28:42
1	Cu 324.752†	40988.2	35498.4	0.4899	mg/L	0.4899 mg/L	00:28:42
1	Fe 238.204†	99371.9	90499.0	2.515	mg/L	2.515 mg/L	00:28:42
1	Mg 279.077†	25006.2	22609.9	4.936	mg/L	4.936 mg/L	00:28:42
1	Mn 257.610†	106817.2	97109.7	0.5026	mg/L	0.5026 mg/L	00:28:42
1	Mo 202.031†	2434.0	2223.7	0.5058	mg/L	0.5058 mg/L	00:28:52
1	Ni 231.604†	5473.6	4998.3	0.4989	mg/L	0.4989 mg/L	00:28:42
1	P 214.914†	5869.8	5172.1	4.846	mg/L	4.846 mg/L	00:28:52
1	Pb 220.353†	1537.5	1417.0	0.5166	mg/L	0.5166 mg/L	00:28:52
1	Sb 206.836†	284.3	239.6	0.4894	mg/L	0.4894 mg/L	00:28:52
1	Se 196.026†	718.4	652.8	0.9840	mg/L	0.9840 mg/L	00:28:52
1	Sn 189.927†	613.2	563.5	0.5133	mg/L	0.5133 mg/L	00:28:52
1	Ti 337.279†	101217.3	92833.4	0.4989	mg/L	0.4989 mg/L	00:28:42
1	Tl 190.801†	154.6	137.2	0.4866	mg/L	0.4866 mg/L	00:28:52
1	V 292.402†	25466.0	24007.7	0.5046	mg/L	0.5046 mg/L	00:28:42
1	Zn 213.857†	24615.7	21887.8	0.4942	mg/L	0.4942 mg/L	00:28:42
2	B 249.677†	908.2	837.9	0.4895	mg/L	0.4895 mg/L	00:28:38
2	Fe 234.349†	3280.0	3008.1	2.470	mg/L	2.470 mg/L	00:28:38
2	K 766.490†	50386.5	46156.7	24.34	mg/L	24.34 mg/L	00:28:28
2	Li 670.784†	18714.1	17331.3	0.4911	mg/L	0.4911 mg/L	00:28:28
2	Na 589.592†	152016.0	140238.6	24.47	mg/L	24.47 mg/L	00:28:28
2	Sr 407.771†	48367.4	44353.5	0.0491	mg/L	0.0491 mg/L	00:28:28
2	Y 371.029	675655.0	675655.0	1.09	mg/L		00:28:54
2	Ag 328.068†	14621.2	11997.7	0.2411	mg/L	0.2411 mg/L	00:28:54
2	Al 237.313†	7016.8	6605.0	2.482	mg/L	2.482 mg/L	00:28:54
2	As 188.979†	233.7	209.4	0.4813	mg/L	0.4813 mg/L	00:29:05
2	B 182.528†	163.2	155.5	0.4920	mg/L	0.4920 mg/L	00:29:05
2	Ba 233.527†	8920.1	8245.0	0.4983	mg/L	0.4983 mg/L	00:28:54
2	Be 313.107†	51070.4	47312.6	0.0500	mg/L	0.0500 mg/L	00:28:54
2	Ca 315.887†	158970.8	146987.4	5.057	mg/L	5.057 mg/L	00:28:54
2	Cd 228.802†	3021.7	2722.5	0.2486	mg/L	0.2486 mg/L	00:29:05
2	Co 228.616†	6772.3	6255.6	0.4974	mg/L	0.4974 mg/L	00:29:05

2	Cr 267.716†	14758.2	13138.3	0.4973 mg/L	0.4973 mg/L	00:28:54
2	Cu 324.752†	40539.3	35379.3	0.4883 mg/L	0.4883 mg/L	00:28:54
2	Fe 238.204†	98559.5	90463.7	2.514 mg/L	2.514 mg/L	00:28:54
2	Mg 279.077†	24735.4	22540.1	4.921 mg/L	4.921 mg/L	00:28:54
2	Mn 257.610†	105992.7	97116.6	0.5027 mg/L	0.5027 mg/L	00:28:54
2	Mo 202.031†	2425.2	2233.0	0.5079 mg/L	0.5079 mg/L	00:29:05
2	Ni 231.604†	5371.8	4944.0	0.4934 mg/L	0.4934 mg/L	00:28:54
2	P 214.914†	5831.4	5178.7	4.852 mg/L	4.852 mg/L	00:29:05
2	Pb 220.353†	1478.9	1374.2	0.5009 mg/L	0.5009 mg/L	00:29:05
2	Sb 206.836†	280.6	238.2	0.4866 mg/L	0.4866 mg/L	00:29:05
2	Se 196.026†	710.6	650.8	0.9809 mg/L	0.9809 mg/L	00:29:05
2	Sn 189.927†	619.3	573.5	0.5224 mg/L	0.5224 mg/L	00:29:05
2	Ti 337.279†	100452.6	92855.2	0.4990 mg/L	0.4990 mg/L	00:28:54
2	Tl 190.801†	158.4	141.9	0.5030 mg/L	0.5030 mg/L	00:29:05
2	V 292.402†	25318.6	24054.6	0.5055 mg/L	0.5055 mg/L	00:28:54
2	Zn 213.857†	24585.0	22035.8	0.4976 mg/L	0.4976 mg/L	00:28:54

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	678307.0	1.09 mg/L	0.006			0.55%
Ag 328.068†	11964.5	0.2405 mg/L	0.00094	0.2405 mg/L	0.00094	0.39%
	QC value within limits for Ag 328.068	Recovery = 96.18%				
Al 237.313†	6593.1	2.478 mg/L	0.0063	2.478 mg/L	0.0063	0.25%
	QC value within limits for Al 237.313	Recovery = 99.12%				
As 188.979†	208.4	0.4790 mg/L	0.00328	0.4790 mg/L	0.00328	0.68%
	QC value within limits for As 188.979	Recovery = 95.80%				
B 182.528†	154.5	0.4890 mg/L	0.00427	0.4890 mg/L	0.00427	0.87%
	QC value within limits for B 182.528	Recovery = 97.79%				
B 249.677†	831.8	0.4860 mg/L	0.00502	0.4860 mg/L	0.00502	1.03%
	QC value within limits for B 249.677	Recovery = 97.20%				
Ba 233.527†	8267.1	0.4996 mg/L	0.00188	0.4996 mg/L	0.00188	0.38%
	QC value within limits for Ba 233.527	Recovery = 99.92%				
Be 313.107†	47227.1	0.0499 mg/L	0.00013	0.0499 mg/L	0.00013	0.26%
	QC value within limits for Be 313.107	Recovery = 99.82%				
Ca 315.887†	146859.0	5.053 mg/L	0.0062	5.053 mg/L	0.0062	0.12%
	QC value within limits for Ca 315.887	Recovery = 101.06%				
Cd 228.802†	2716.0	0.2480 mg/L	0.00083	0.2480 mg/L	0.00083	0.33%
	QC value within limits for Cd 228.802	Recovery = 99.21%				
Co 228.616†	6250.1	0.4969 mg/L	0.00063	0.4969 mg/L	0.00063	0.13%
	QC value within limits for Co 228.616	Recovery = 99.38%				
Cr 267.716†	13135.3	0.4972 mg/L	0.00016	0.4972 mg/L	0.00016	0.03%
	QC value within limits for Cr 267.716	Recovery = 99.44%				
Cu 324.752†	35438.8	0.4891 mg/L	0.00115	0.4891 mg/L	0.00115	0.24%
	QC value within limits for Cu 324.752	Recovery = 97.82%				
Fe 234.349†	2995.3	2.460 mg/L	0.0151	2.460 mg/L	0.0151	0.61%
	QC value within limits for Fe 234.349	Recovery = 98.39%				
Fe 238.204†	90481.4	2.515 mg/L	0.0007	2.515 mg/L	0.0007	0.03%
	QC value within limits for Fe 238.204	Recovery = 100.59%				
K 766.490†	45644.2	24.07 mg/L	0.384	24.07 mg/L	0.384	1.60%
	QC value within limits for K 766.490	Recovery = 96.26%				
Li 670.784†	17133.0	0.4854 mg/L	0.00803	0.4854 mg/L	0.00803	1.65%
	QC value within limits for Li 670.784	Recovery = 97.08%				
Mg 279.077†	22575.0	4.928 mg/L	0.0107	4.928 mg/L	0.0107	0.22%
	QC value within limits for Mg 279.077	Recovery = 98.56%				
Mn 257.610†	97113.1	0.5026 mg/L	0.00003	0.5026 mg/L	0.00003	0.01%
	QC value within limits for Mn 257.610	Recovery = 100.53%				
Mo 202.031†	2228.3	0.5069 mg/L	0.00150	0.5069 mg/L	0.00150	0.30%
	QC value within limits for Mo 202.031	Recovery = 101.37%				
Na 589.592†	138565.1	24.18 mg/L	0.417	24.18 mg/L	0.417	1.73%
	QC value within limits for Na 589.592	Recovery = 96.71%				
Ni 231.604†	4971.2	0.4962 mg/L	0.00383	0.4962 mg/L	0.00383	0.77%
	QC value within limits for Ni 231.604	Recovery = 99.23%				
P 214.914†	5175.4	4.849 mg/L	0.0045	4.849 mg/L	0.0045	0.09%
	QC value within limits for P 214.914	Recovery = 96.98%				
Pb 220.353†	1395.6	0.5088 mg/L	0.01107	0.5088 mg/L	0.01107	2.18%
	QC value within limits for Pb 220.353	Recovery = 101.75%				
Sb 206.836†	238.9	0.4880 mg/L	0.00195	0.4880 mg/L	0.00195	0.40%
	QC value within limits for Sb 206.836	Recovery = 97.60%				
Se 196.026†	651.8	0.9824 mg/L	0.00219	0.9824 mg/L	0.00219	0.22%
	QC value within limits for Se 196.026	Recovery = 98.24%				
Sn 189.927†	568.5	0.5179 mg/L	0.00641	0.5179 mg/L	0.00641	1.24%

QC value within limits for Sn 189.927 Recovery = 103.58%
 Sr 407.771† 43794.0 0.0484 mg/L 0.00088 0.0484 mg/L 0.00088 1.81%
 QC value within limits for Sr 407.771 Recovery = 96.87%
 Ti 337.279† 92844.3 0.4990 mg/L 0.00008 0.4990 mg/L 0.00008 0.02%
 QC value within limits for Ti 337.279 Recovery = 99.79%
 Tl 190.801† 139.5 0.4948 mg/L 0.01162 0.4948 mg/L 0.01162 2.35%
 QC value within limits for Tl 190.801 Recovery = 98.96%
 V 292.402† 24031.1 0.5050 mg/L 0.00070 0.5050 mg/L 0.00070 0.14%
 QC value within limits for V 292.402 Recovery = 101.01%
 Zn 213.857† 21961.8 0.4959 mg/L 0.00241 0.4959 mg/L 0.00241 0.49%
 QC value within limits for Zn 213.857 Recovery = 99.18%
 All analyte(s) passed QC.

Sequence No.: 50 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/10/2012 12:30:43 AM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	19.2	21.9	0.0124	mg/L	0.0124	mg/L	00:32:41
1	Fe 234.349†	4.1	-1.2	-0.0095	mg/L	-0.0095	mg/L	00:32:41
1	K 766.490†	174.6	35.5	-0.1270	mg/L	-0.1270	mg/L	00:32:31
1	Li 670.784†	-131.0	14.4	-0.0046	mg/L	-0.0046	mg/L	00:32:31
1	Na 589.592†	-384.5	220.9	-0.2071	mg/L	-0.2071	mg/L	00:32:31
1	Sr 407.771†	121.2	36.2	-0.0002	mg/L	-0.0002	mg/L	00:32:31
1	Y 371.029	649911.3	649911.3	1.05	mg/L			00:33:06
1	Ag 328.068†	1478.5	-22.2	-0.0009	mg/L	-0.0009	mg/L	00:33:06
1	Al 237.313†	-162.1	4.1	-0.0042	mg/L	-0.0042	mg/L	00:33:16
1	As 188.979†	-1.0	-6.2	-0.0141	mg/L	-0.0141	mg/L	00:33:16
1	B 182.528†	0.9	6.4	0.0231	mg/L	0.0231	mg/L	00:33:16
1	Ba 233.527†	-42.7	9.8	0.0013	mg/L	0.0013	mg/L	00:33:16
1	Be 313.107†	-284.2	125.0	0.0000	mg/L	0.0000	mg/L	00:33:06
1	Ca 315.887†	-694.1	285.0	0.0184	mg/L	0.0184	mg/L	00:33:06
1	Cd 228.802†	58.6	2.6	0.0001	mg/L	0.0001	mg/L	00:33:16
1	Co 228.616†	-35.3	0.5	0.0008	mg/L	0.0008	mg/L	00:33:16
1	Cr 267.716†	396.0	-41.2	-0.0016	mg/L	-0.0016	mg/L	00:33:06
1	Cu 324.752†	2133.6	175.4	0.0061	mg/L	0.0061	mg/L	00:33:06
1	Fe 238.204†	452.1	353.2	0.0100	mg/L	0.0100	mg/L	00:33:16
1	Mg 279.077†	208.2	15.6	0.0211	mg/L	0.0211	mg/L	00:33:06
1	Mn 257.610†	450.0	175.5	0.0009	mg/L	0.0009	mg/L	00:33:16
1	Mo 202.031†	17.9	22.1	0.0064	mg/L	0.0064	mg/L	00:33:16
1	Ni 231.604†	3.8	12.7	0.0005	mg/L	0.0005	mg/L	00:33:16
1	P 214.914†	227.6	39.1	0.0279	mg/L	0.0279	mg/L	00:33:16
1	Pb 220.353†	-56.5	-38.3	-0.0134	mg/L	-0.0134	mg/L	00:33:16
1	Sb 206.836†	22.2	1.6	0.0046	mg/L	0.0046	mg/L	00:33:16
1	Se 196.026†	7.7	5.3	0.0111	mg/L	0.0111	mg/L	00:33:16
1	Sn 189.927†	2.2	6.7	0.0064	mg/L	0.0064	mg/L	00:33:16
1	Ti 337.279†	-544.6	53.5	0.0001	mg/L	0.0001	mg/L	00:33:06
1	Tl 190.801†	-0.6	-4.2	-0.0081	mg/L	-0.0081	mg/L	00:33:16
1	V 292.402†	-778.7	51.7	0.0001	mg/L	0.0001	mg/L	00:33:06
1	Zn 213.857†	636.9	58.9	0.0006	mg/L	0.0006	mg/L	00:33:16
2	B 249.677†	14.0	17.0	0.0096	mg/L	0.0096	mg/L	00:33:02
2	Fe 234.349†	17.8	12.0	0.0014	mg/L	0.0014	mg/L	00:33:02
2	K 766.490†	169.8	31.7	-0.1290	mg/L	-0.1290	mg/L	00:32:52
2	Li 670.784†	-133.7	11.2	-0.0047	mg/L	-0.0047	mg/L	00:32:52
2	Na 589.592†	-348.7	253.5	-0.2013	mg/L	-0.2013	mg/L	00:32:52
2	Sr 407.771†	125.3	40.7	-0.0001	mg/L	-0.0001	mg/L	00:32:52
2	Y 371.029	646881.1	646881.1	1.04	mg/L			00:33:18
2	Ag 328.068†	1390.9	-99.6	-0.0025	mg/L	-0.0025	mg/L	00:33:18
2	Al 237.313†	-187.9	-21.4	-0.0137	mg/L	-0.0137	mg/L	00:33:28
2	As 188.979†	2.4	-2.9	-0.0066	mg/L	-0.0066	mg/L	00:33:28
2	B 182.528†	-3.2	2.5	0.0107	mg/L	0.0107	mg/L	00:33:28
2	Ba 233.527†	-53.6	-0.9	0.0007	mg/L	0.0007	mg/L	00:33:28
2	Be 313.107†	-340.3	69.9	-0.0001	mg/L	-0.0001	mg/L	00:33:18
2	Ca 315.887†	-684.0	291.6	0.0186	mg/L	0.0186	mg/L	00:33:18
2	Cd 228.802†	65.2	9.2	0.0007	mg/L	0.0007	mg/L	00:33:28
2	Co 228.616†	-30.5	5.0	0.0012	mg/L	0.0012	mg/L	00:33:28
2	Cr 267.716†	415.4	-20.8	-0.0008	mg/L	-0.0008	mg/L	00:33:18

2	Cu	324.752†	2123.7	175.4	0.0061 mg/L	0.0061 mg/L	00:33:18
2	Fe	238.204†	446.7	350.0	0.0100 mg/L	0.0100 mg/L	00:33:28
2	Mg	279.077†	161.1	-28.6	0.0115 mg/L	0.0115 mg/L	00:33:18
2	Mn	257.610†	441.2	169.0	0.0008 mg/L	0.0008 mg/L	00:33:28
2	Mo	202.031†	5.6	10.5	0.0037 mg/L	0.0037 mg/L	00:33:28
2	Ni	231.604†	-5.7	3.7	-0.0004 mg/L	-0.0004 mg/L	00:33:28
2	P	214.914†	205.0	18.4	0.0085 mg/L	0.0085 mg/L	00:33:28
2	Pb	220.353†	21.7	36.5	0.0139 mg/L	0.0139 mg/L	00:33:28
2	Sb	206.836†	25.6	5.0	0.0117 mg/L	0.0117 mg/L	00:33:28
2	Se	196.026†	0.1	-1.9	0.0002 mg/L	0.0002 mg/L	00:33:28
2	Sn	189.927†	0.5	5.0	0.0049 mg/L	0.0049 mg/L	00:33:28
2	Ti	337.279†	-579.8	17.4	-0.0001 mg/L	-0.0001 mg/L	00:33:18
2	Tl	190.801†	4.0	0.2	0.0074 mg/L	0.0074 mg/L	00:33:28
2	V	292.402†	-737.6	87.7	0.0008 mg/L	0.0008 mg/L	00:33:18
2	Zn	213.857†	645.1	69.6	0.0009 mg/L	0.0009 mg/L	00:33:28

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	648396.2	1.04 mg/L	0.003			0.33%
Ag 328.068†	-60.9	-0.0017 mg/L	0.00110	-0.0017 mg/L	0.00110	65.70%
QC value within limits for Ag 328.068		Recovery =	Not calculated			
Al 237.313†	-8.6	-0.0089 mg/L	0.00675	-0.0089 mg/L	0.00675	75.59%
QC value within limits for Al 237.313		Recovery =	Not calculated			
As 188.979†	-4.5	-0.0103 mg/L	0.00532	-0.0103 mg/L	0.00532	51.56%
QC value less than the lower limit for As 188.979		Recovery =	Not calculated			
B 182.528†	4.4	0.0169 mg/L	0.00877	0.0169 mg/L	0.00877	51.98%
QC value greater than the upper limit for B 182.528		Recovery =	Not calculated			
B 249.677†	19.4	0.0110 mg/L	0.00202	0.0110 mg/L	0.00202	18.36%
QC value greater than the upper limit for B 249.677		Recovery =	Not calculated			
Ba 233.527†	4.4	0.0010 mg/L	0.00046	0.0010 mg/L	0.00046	45.77%
QC value within limits for Ba 233.527		Recovery =	Not calculated			
Be 313.107†	97.5	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	91.20%
QC value within limits for Be 313.107		Recovery =	Not calculated			
Ca 315.887†	288.3	0.0185 mg/L	0.00017	0.0185 mg/L	0.00017	0.90%
QC value within limits for Ca 315.887		Recovery =	Not calculated			
Cd 228.802†	5.9	0.0004 mg/L	0.00041	0.0004 mg/L	0.00041	103.55%
QC value within limits for Cd 228.802		Recovery =	Not calculated			
Co 228.616†	2.8	0.0010 mg/L	0.00025	0.0010 mg/L	0.00025	25.35%
QC value within limits for Co 228.616		Recovery =	Not calculated			
Cr 267.716†	-31.0	-0.0012 mg/L	0.00054	-0.0012 mg/L	0.00054	44.50%
QC value within limits for Cr 267.716		Recovery =	Not calculated			
Cu 324.752†	175.4	0.0061 mg/L	0.00000	0.0061 mg/L	0.00000	0.00%
QC value within limits for Cu 324.752		Recovery =	Not calculated			
Fe 234.349†	5.4	-0.0040 mg/L	0.00771	-0.0040 mg/L	0.00771	191.01%
QC value within limits for Fe 234.349		Recovery =	Not calculated			
Fe 238.204†	351.6	0.0100 mg/L	0.00006	0.0100 mg/L	0.00006	0.61%
QC value within limits for Fe 238.204		Recovery =	Not calculated			
K 766.490†	33.6	-0.1280 mg/L	0.00142	-0.1280 mg/L	0.00142	1.11%
QC value within limits for K 766.490		Recovery =	Not calculated			
Li 670.784†	12.8	-0.0047 mg/L	0.00006	-0.0047 mg/L	0.00006	1.38%
QC value within limits for Li 670.784		Recovery =	Not calculated			
Mg 279.077†	-6.5	0.0163 mg/L	0.00680	0.0163 mg/L	0.00680	41.77%
QC value within limits for Mg 279.077		Recovery =	Not calculated			
Mn 257.610†	172.2	0.0009 mg/L	0.00002	0.0009 mg/L	0.00002	2.72%
QC value within limits for Mn 257.610		Recovery =	Not calculated			
Mo 202.031†	16.3	0.0051 mg/L	0.00188	0.0051 mg/L	0.00188	37.11%
QC value greater than the upper limit for Mo 202.031		Recovery =	Not calculated			
Na 589.592†	237.2	-0.2042 mg/L	0.00406	-0.2042 mg/L	0.00406	1.99%
QC value less than the lower limit for Na 589.592		Recovery =	Not calculated			
Ni 231.604†	8.2	0.0000 mg/L	0.00064	0.0000 mg/L	0.00064	>999.9%
QC value within limits for Ni 231.604		Recovery =	Not calculated			
P 214.914†	28.7	0.0182 mg/L	0.01374	0.0182 mg/L	0.01374	75.52%
QC value within limits for P 214.914		Recovery =	Not calculated			
Pb 220.353†	-0.9	0.0002 mg/L	0.01932	0.0002 mg/L	0.01932	>999.9%
QC value within limits for Pb 220.353		Recovery =	Not calculated			
Sb 206.836†	3.3	0.0082 mg/L	0.00496	0.0082 mg/L	0.00496	60.81%
QC value within limits for Sb 206.836		Recovery =	Not calculated			
Se 196.026†	1.7	0.0057 mg/L	0.00767	0.0057 mg/L	0.00767	135.44%
QC value within limits for Se 196.026		Recovery =	Not calculated			
Sn 189.927†	5.8	0.0057 mg/L	0.00102	0.0057 mg/L	0.00102	18.06%
QC value within limits for Sn 189.927		Recovery =	Not calculated			

Sr	407.771†	38.5	-0.0002 mg/L	0.00000	-0.0002 mg/L	0.00000	2.30%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	35.5	0.0000 mg/L	0.00014	0.0000 mg/L	0.00014	884.51%
	QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	-2.0	-0.0003 mg/L	0.01092	-0.0003 mg/L	0.01092	>999.9%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	69.7	0.0004 mg/L	0.00052	0.0004 mg/L	0.00052	117.90%
	QC value within limits for V 292.402 Recovery = Not calculated						
Zn	213.857†	64.2	0.0007 mg/L	0.00018	0.0007 mg/L	0.00018	23.98%
	QC value within limits for Zn 213.857 Recovery = Not calculated						

QC Failed. Continue with analysis.

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Sequence No.: 51                               Autosampler Location: 160
Sample ID: IFA                                 Date Collected: 10/10/2012 12:35:06 AM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:

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Replicate Data: IFA

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-3.8	-0.1	-0.0005 mg/L	-0.0005 mg/L	-0.0005 mg/L	00:36:56
1	Fe 234.349†	101749.4	97183.4	80.23 mg/L	80.23 mg/L	80.23 mg/L	00:36:46
1	K 766.490†	133.9	-3.2	-0.1476 mg/L	-0.1476 mg/L	-0.1476 mg/L	00:36:56
1	Li 670.784†	-35.1	106.0	-0.0020 mg/L	-0.0020 mg/L	-0.0020 mg/L	00:36:56
1	Na 589.592†	-341.3	262.1	-0.1998 mg/L	-0.1998 mg/L	-0.1998 mg/L	00:36:56
1	Sr 407.771†	22975.8	21866.3	0.0241 mg/L	0.0241 mg/L	0.0241 mg/L	00:36:46
1	Y 371.029	649822.7	649822.7	1.05 mg/L	1.05 mg/L	1.05 mg/L	00:37:16
1	Ag 328.068†	1182.1	-305.1	-0.0004 mg/L	-0.0004 mg/L	-0.0004 mg/L	00:37:18
1	Al 237.313†	675602.2	645477.7	242.6 mg/L	242.6 mg/L	242.6 mg/L	00:37:16
1	As 188.979†	-8.5	-13.4	0.0031 mg/L	0.0031 mg/L	0.0031 mg/L	00:37:29
1	B 182.528†	0.9	6.4	0.0230 mg/L	0.0230 mg/L	0.0230 mg/L	00:37:29
1	Ba 233.527†	44.0	92.6	0.0063 mg/L	0.0063 mg/L	0.0063 mg/L	00:37:29
1	Be 313.107†	-211.9	194.0	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	00:37:18
1	Ca 315.887†	7367511.3	7038215.4	241.6 mg/L	241.6 mg/L	241.6 mg/L	00:37:13
1	Cd 228.802†	65.6	9.3	0.0008 mg/L	0.0008 mg/L	0.0008 mg/L	00:37:29
1	Co 228.616†	218.8	243.2	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	00:37:29
1	Cr 267.716†	504.7	62.7	0.0024 mg/L	0.0024 mg/L	0.0024 mg/L	00:37:29
1	Cu 324.752†	1520.0	-410.5	0.0061 mg/L	0.0061 mg/L	0.0061 mg/L	00:37:18
1	Fe 238.204†	3377468.5	3225997.1	89.63 mg/L	89.63 mg/L	89.63 mg/L	00:37:16
1	Mg 279.077†	1166246.7	1113787.2	242.2 mg/L	242.2 mg/L	242.2 mg/L	00:37:16
1	Mn 257.610†	823.3	532.1	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	00:37:18
1	Mo 202.031†	136.5	135.4	0.0071 mg/L	0.0071 mg/L	0.0071 mg/L	00:37:29
1	Ni 231.604†	3.3	12.3	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	00:37:29
1	P 214.914†	24.7	-154.7	0.0354 mg/L	0.0354 mg/L	0.0354 mg/L	00:37:29
1	Pb 220.353†	296.3	298.6	0.0430 mg/L	0.0430 mg/L	0.0430 mg/L	00:37:29
1	Sb 206.836†	41.9	20.5	0.0075 mg/L	0.0075 mg/L	0.0075 mg/L	00:37:29
1	Se 196.026†	-5.3	-7.1	0.0268 mg/L	0.0268 mg/L	0.0268 mg/L	00:37:29
1	Sn 189.927†	-323.4	-304.4	-0.0376 mg/L	-0.0376 mg/L	-0.0376 mg/L	00:37:29
1	Ti 337.279†	1963908.7	1876451.5	10.09 mg/L	10.09 mg/L	10.09 mg/L	00:37:16
1	Tl 190.801†	30.0	25.0	0.0351 mg/L	0.0351 mg/L	0.0351 mg/L	00:37:29
1	V 292.402†	675.6	1440.8	0.0056 mg/L	0.0056 mg/L	0.0056 mg/L	00:37:18
1	Zn 213.857†	854.8	267.1	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	00:37:29
2	B 249.677†	2.0	5.5	0.0028 mg/L	0.0028 mg/L	0.0028 mg/L	00:37:09
2	Fe 234.349†	102476.2	97039.4	80.12 mg/L	80.12 mg/L	80.12 mg/L	00:36:59
2	K 766.490†	163.5	23.6	-0.1333 mg/L	-0.1333 mg/L	-0.1333 mg/L	00:37:09
2	Li 670.784†	-58.1	84.5	-0.0026 mg/L	-0.0026 mg/L	-0.0026 mg/L	00:37:09
2	Na 589.592†	-309.0	295.5	-0.1939 mg/L	-0.1939 mg/L	-0.1939 mg/L	00:37:09
2	Sr 407.771†	23123.4	21818.2	0.0240 mg/L	0.0240 mg/L	0.0240 mg/L	00:36:59
2	Y 371.029	655435.9	655435.9	1.06 mg/L	1.06 mg/L	1.06 mg/L	00:37:34
2	Ag 328.068†	1136.3	-358.2	-0.0015 mg/L	-0.0015 mg/L	-0.0015 mg/L	00:37:36
2	Al 237.313†	680134.8	644243.6	242.2 mg/L	242.2 mg/L	242.2 mg/L	00:37:34
2	As 188.979†	-4.5	-9.5	0.0120 mg/L	0.0120 mg/L	0.0120 mg/L	00:37:46
2	B 182.528†	3.8	9.2	0.0317 mg/L	0.0317 mg/L	0.0317 mg/L	00:37:46
2	Ba 233.527†	3.3	53.6	0.0039 mg/L	0.0039 mg/L	0.0039 mg/L	00:37:46
2	Be 313.107†	-315.5	97.7	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	00:37:36
2	Ca 315.887†	7371830.6	6982038.5	239.7 mg/L	239.7 mg/L	239.7 mg/L	00:37:31
2	Cd 228.802†	63.1	6.4	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	00:37:46
2	Co 228.616†	248.4	269.5	0.0024 mg/L	0.0024 mg/L	0.0024 mg/L	00:37:46
2	Cr 267.716†	507.3	61.0	0.0023 mg/L	0.0023 mg/L	0.0023 mg/L	00:37:46
2	Cu 324.752†	1498.9	-442.9	0.0056 mg/L	0.0056 mg/L	0.0056 mg/L	00:37:36

2	Fe 238.204†	3401132.6	3220778.7	89.48 mg/L	89.48 mg/L	00:37:34
2	Mg 279.077†	1175730.8	1113228.5	242.1 mg/L	242.1 mg/L	00:37:34
2	Mn 257.610†	761.2	466.5	0.0024 mg/L	0.0024 mg/L	00:37:36
2	Mo 202.031†	128.1	126.4	0.0051 mg/L	0.0051 mg/L	00:37:46
2	Ni 231.604†	-2.6	6.7	-0.0001 mg/L	-0.0001 mg/L	00:37:46
2	P 214.914†	38.3	-142.0	0.0471 mg/L	0.0471 mg/L	00:37:46
2	Pb 220.353†	277.9	278.7	0.0359 mg/L	0.0359 mg/L	00:37:46
2	Sb 206.836†	42.3	20.5	0.0075 mg/L	0.0075 mg/L	00:37:46
2	Se 196.026†	-4.2	-6.0	0.0283 mg/L	0.0283 mg/L	00:37:46
2	Sn 189.927†	-324.5	-302.7	-0.0364 mg/L	-0.0364 mg/L	00:37:46
2	Ti 337.279†	1976962.2	1872748.0	10.07 mg/L	10.07 mg/L	00:37:34
2	Tl 190.801†	26.9	21.8	0.0240 mg/L	0.0240 mg/L	00:37:46
2	V 292.402†	756.8	1512.1	0.0072 mg/L	0.0072 mg/L	00:37:36
2	Zn 213.857†	831.6	238.1	0.0047 mg/L	0.0047 mg/L	00:37:46

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	652629.3	1.05 mg/L	0.006			0.61%
Ag 328.068†	-331.6	-0.0009 mg/L	0.00076	-0.0009 mg/L	0.00076	82.17%
	QC value within limits for Ag 328.068 Recovery = Not calculated					
Al 237.313†	644860.6	242.4 mg/L	0.33	242.4 mg/L	0.33	0.14%
	QC value within limits for Al 237.313 Recovery = 96.96%					
As 188.979†	-11.4	0.0076 mg/L	0.00627	0.0076 mg/L	0.00627	82.75%
	QC value within limits for As 188.979 Recovery = Not calculated					
B 182.528†	7.8	0.0274 mg/L	0.00615	0.0274 mg/L	0.00615	22.47%
	QC value greater than the upper limit for B 182.528 Recovery = Not calculated					
B 249.677†	2.7	0.0011 mg/L	0.00229	0.0011 mg/L	0.00229	200.00%
	QC value within limits for B 249.677 Recovery = Not calculated					
Ba 233.527†	73.1	0.0051 mg/L	0.00166	0.0051 mg/L	0.00166	32.48%
	QC value greater than the upper limit for Ba 233.527 Recovery = Not calculated					
Be 313.107†	145.9	0.0000 mg/L	0.00007	0.0000 mg/L	0.00007	>999.9%
	QC value within limits for Be 313.107 Recovery = Not calculated					
Ca 315.887†	7010127.0	240.7 mg/L	1.36	240.7 mg/L	1.36	0.57%
	QC value within limits for Ca 315.887 Recovery = 96.26%					
Cd 228.802†	7.9	0.0006 mg/L	0.00022	0.0006 mg/L	0.00022	33.81%
	QC value within limits for Cd 228.802 Recovery = Not calculated					
Co 228.616†	256.4	0.0014 mg/L	0.00150	0.0014 mg/L	0.00150	108.75%
	QC value within limits for Co 228.616 Recovery = Not calculated					
Cr 267.716†	61.8	0.0023 mg/L	0.00005	0.0023 mg/L	0.00005	2.03%
	QC value within limits for Cr 267.716 Recovery = Not calculated					
Cu 324.752†	-426.7	0.0058 mg/L	0.00033	0.0058 mg/L	0.00033	5.57%
	QC value within limits for Cu 324.752 Recovery = Not calculated					
Fe 234.349†	97111.4	80.17 mg/L	0.083	80.17 mg/L	0.083	0.10%
	QC value within limits for Fe 234.349 Recovery = 80.17%					
Fe 238.204†	3223387.9	89.55 mg/L	0.103	89.55 mg/L	0.103	0.11%
	QC value within limits for Fe 238.204 Recovery = 89.55%					
K 766.490†	10.2	-0.1404 mg/L	0.01008	-0.1404 mg/L	0.01008	7.18%
	QC value less than the lower limit for K 766.490 Recovery = Not calculated					
Li 670.784†	95.2	-0.0023 mg/L	0.00044	-0.0023 mg/L	0.00044	18.75%
	QC value within limits for Li 670.784 Recovery = Not calculated					
Mg 279.077†	1113507.9	242.1 mg/L	0.09	242.1 mg/L	0.09	0.04%
	QC value within limits for Mg 279.077 Recovery = 96.86%					
Mn 257.610†	499.3	0.0026 mg/L	0.00024	0.0026 mg/L	0.00024	9.34%
	QC value within limits for Mn 257.610 Recovery = Not calculated					
Mo 202.031†	130.9	0.0061 mg/L	0.00143	0.0061 mg/L	0.00143	23.39%
	QC value greater than the upper limit for Mo 202.031 Recovery = Not calculated					
Na 589.592†	278.8	-0.1969 mg/L	0.00416	-0.1969 mg/L	0.00416	2.12%
	QC value less than the lower limit for Na 589.592 Recovery = Not calculated					
Ni 231.604†	9.5	0.0002 mg/L	0.00040	0.0002 mg/L	0.00040	207.98%
	QC value within limits for Ni 231.604 Recovery = Not calculated					
P 214.914†	-148.4	0.0412 mg/L	0.00824	0.0412 mg/L	0.00824	19.97%
	QC value greater than the upper limit for P 214.914 Recovery = Not calculated					
Pb 220.353†	288.7	0.0394 mg/L	0.00505	0.0394 mg/L	0.00505	12.82%
	QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated					
Sb 206.836†	20.5	0.0075 mg/L	0.00003	0.0075 mg/L	0.00003	0.44%
	QC value within limits for Sb 206.836 Recovery = Not calculated					
Se 196.026†	-6.6	0.0275 mg/L	0.00106	0.0275 mg/L	0.00106	3.86%
	QC value greater than the upper limit for Se 196.026 Recovery = Not calculated					
Sn 189.927†	-303.5	-0.0370 mg/L	0.00080	-0.0370 mg/L	0.00080	2.17%
	QC value less than the lower limit for Sn 189.927 Recovery = Not calculated					
Sr 407.771†	21842.3	0.0241 mg/L	0.00004	0.0241 mg/L	0.00004	0.16%

QC value within limits for Sr 407.771 Recovery = Not calculated
 Ti 337.279† 1874599.8 10.08 mg/L 0.014 10.08 mg/L 0.014 0.14%
 QC value within limits for Ti 337.279 Recovery = 100.78%
 Tl 190.801† 23.4 0.0295 mg/L 0.00783 0.0295 mg/L 0.00783 26.52%
 QC value greater than the upper limit for Tl 190.801 Recovery = Not calculated
 V 292.402† 1476.5 0.0064 mg/L 0.00107 0.0064 mg/L 0.00107 16.67%
 QC value greater than the upper limit for V 292.402 Recovery = Not calculated
 Zn 213.857† 252.6 0.0050 mg/L 0.00046 0.0050 mg/L 0.00046 9.21%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 52 Autosampler Location: 159
 Sample ID: IFB Date Collected: 10/10/2012 12:39:25 AM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	0.5	4.1	0.0014 mg/L	0.0014 mg/L	0.0014 mg/L	00:41:15
1	Fe 234.349†	109069.1	101894.5	84.12 mg/L	84.12 mg/L	84.12 mg/L	00:41:05
1	K 766.490†	206.9	62.2	-0.1129 mg/L	-0.1129 mg/L	-0.1129 mg/L	00:41:15
1	Li 670.784†	-57.1	86.2	-0.0026 mg/L	-0.0026 mg/L	-0.0026 mg/L	00:41:15
1	Na 589.592†	-328.1	281.6	-0.1964 mg/L	-0.1964 mg/L	-0.1964 mg/L	00:41:15
1	Sr 407.771†	24436.4	22750.6	0.0251 mg/L	0.0251 mg/L	0.0251 mg/L	00:41:05
1	Y 371.029	664366.0	664366.0	1.07 mg/L	1.07 mg/L	1.07 mg/L	00:41:35
1	Ag 328.068†	27349.3	24117.3	0.4911 mg/L	0.4911 mg/L	0.4911 mg/L	00:41:37
1	Al 237.313†	711406.3	664802.0	249.9 mg/L	249.9 mg/L	249.9 mg/L	00:41:35
1	As 188.979†	-10.7	-15.2	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	00:41:47
1	B 182.528†	4.2	9.5	0.0328 mg/L	0.0328 mg/L	0.0328 mg/L	00:41:47
1	Ba 233.527†	4330.9	4096.7	0.2479 mg/L	0.2479 mg/L	0.2479 mg/L	00:41:47
1	Be 313.107†	237112.9	221923.1	0.2349 mg/L	0.2349 mg/L	0.2349 mg/L	00:41:35
1	Ca 315.887†	7719520.2	7213037.0	247.6 mg/L	247.6 mg/L	247.6 mg/L	00:41:32
1	Cd 228.802†	5585.2	5164.7	0.4760 mg/L	0.4760 mg/L	0.4760 mg/L	00:41:47
1	Co 228.616†	3025.1	2860.5	0.2281 mg/L	0.2281 mg/L	0.2281 mg/L	00:41:47
1	Cr 267.716†	7148.8	6259.4	0.2367 mg/L	0.2367 mg/L	0.2367 mg/L	00:41:37
1	Cu 324.752†	20788.0	17559.2	0.2440 mg/L	0.2440 mg/L	0.2440 mg/L	00:41:37
1	Fe 238.204†	3561590.5	3327396.1	92.44 mg/L	92.44 mg/L	92.44 mg/L	00:41:35
1	Mg 279.077†	1230709.9	1149627.8	250.0 mg/L	250.0 mg/L	250.0 mg/L	00:41:35
1	Mn 257.610†	49083.8	45603.1	0.2360 mg/L	0.2360 mg/L	0.2360 mg/L	00:41:37
1	Mo 202.031†	155.4	150.2	0.0091 mg/L	0.0091 mg/L	0.0091 mg/L	00:41:47
1	Ni 231.604†	4880.5	4568.8	0.4552 mg/L	0.4552 mg/L	0.4552 mg/L	00:41:47
1	P 214.914†	47.0	-134.4	0.0595 mg/L	0.0595 mg/L	0.0595 mg/L	00:41:47
1	Pb 220.353†	1683.5	1588.4	0.5114 mg/L	0.5114 mg/L	0.5114 mg/L	00:41:47
1	Sb 206.836†	35.0	13.1	-0.0090 mg/L	-0.0090 mg/L	-0.0090 mg/L	00:41:47
1	Se 196.026†	-2.8	-4.7	0.0320 mg/L	0.0320 mg/L	0.0320 mg/L	00:41:47
1	Sn 189.927†	-333.1	-306.6	-0.0282 mg/L	-0.0282 mg/L	-0.0282 mg/L	00:41:47
1	Ti 337.279†	2579.8	2983.9	0.0159 mg/L	0.0159 mg/L	0.0159 mg/L	00:41:37
1	Tl 190.801†	25.3	20.0	0.0283 mg/L	0.0283 mg/L	0.0283 mg/L	00:41:47
1	V 292.402†	12662.4	12625.5	0.2475 mg/L	0.2475 mg/L	0.2475 mg/L	00:41:37
1	Zn 213.857†	23181.5	21108.2	0.4771 mg/L	0.4771 mg/L	0.4771 mg/L	00:41:37
2	B 249.677†	1.0	4.5	0.0016 mg/L	0.0016 mg/L	0.0016 mg/L	00:41:27
2	Fe 234.349†	108428.0	102564.5	84.67 mg/L	84.67 mg/L	84.67 mg/L	00:41:17
2	K 766.490†	174.6	34.0	-0.1278 mg/L	-0.1278 mg/L	-0.1278 mg/L	00:41:27
2	Li 670.784†	-45.0	97.0	-0.0023 mg/L	-0.0023 mg/L	-0.0023 mg/L	00:41:27
2	Na 589.592†	-308.1	296.7	-0.1937 mg/L	-0.1937 mg/L	-0.1937 mg/L	00:41:27
2	Sr 407.771†	24399.0	23001.2	0.0253 mg/L	0.0253 mg/L	0.0253 mg/L	00:41:17
2	Y 371.029	656147.1	656147.1	1.06 mg/L	1.06 mg/L	1.06 mg/L	00:41:53
2	Ag 328.068†	27376.0	24462.6	0.4981 mg/L	0.4981 mg/L	0.4981 mg/L	00:41:55
2	Al 237.313†	706058.5	668068.5	251.1 mg/L	251.1 mg/L	251.1 mg/L	00:41:53
2	As 188.979†	-12.7	-17.2	-0.0042 mg/L	-0.0042 mg/L	-0.0042 mg/L	00:42:05
2	B 182.528†	10.8	15.8	0.0525 mg/L	0.0525 mg/L	0.0525 mg/L	00:42:05
2	Ba 233.527†	4340.6	4156.6	0.2516 mg/L	0.2516 mg/L	0.2516 mg/L	00:42:05
2	Be 313.107†	235321.6	223003.4	0.2360 mg/L	0.2360 mg/L	0.2360 mg/L	00:41:53
2	Ca 315.887†	7805974.6	7385158.4	253.5 mg/L	253.5 mg/L	253.5 mg/L	00:41:50
2	Cd 228.802†	5606.2	5249.9	0.4839 mg/L	0.4839 mg/L	0.4839 mg/L	00:42:05
2	Co 228.616†	3030.2	2900.8	0.2314 mg/L	0.2314 mg/L	0.2314 mg/L	00:42:05
2	Cr 267.716†	7206.6	6397.8	0.2419 mg/L	0.2419 mg/L	0.2419 mg/L	00:41:55
2	Cu 324.752†	20855.0	17865.8	0.2482 mg/L	0.2482 mg/L	0.2482 mg/L	00:41:55
2	Fe 238.204†	3539123.3	3347822.6	93.01 mg/L	93.01 mg/L	93.01 mg/L	00:41:53

2	Mg	279.077†	1223716.6	1157414.8	251.7 mg/L	251.7 mg/L	00:41:53
2	Mn	257.610†	49075.3	46169.4	0.2390 mg/L	0.2390 mg/L	00:41:55
2	Mo	202.031†	153.1	149.9	0.0089 mg/L	0.0089 mg/L	00:42:05
2	Ni	231.604†	4861.8	4608.2	0.4592 mg/L	0.4592 mg/L	00:42:05
2	P	214.914†	42.0	-138.5	0.0568 mg/L	0.0568 mg/L	00:42:05
2	Pb	220.353†	1672.4	1597.6	0.5144 mg/L	0.5144 mg/L	00:42:05
2	Sb	206.836†	44.7	22.7	0.0103 mg/L	0.0103 mg/L	00:42:05
2	Se	196.026†	-3.9	-5.7	0.0308 mg/L	0.0308 mg/L	00:42:05
2	Sn	189.927†	-322.6	-300.6	-0.0211 mg/L	-0.0211 mg/L	00:42:05
2	Ti	337.279†	1530.3	2021.3	0.0107 mg/L	0.0107 mg/L	00:41:55
2	Tl	190.801†	24.7	19.7	0.0269 mg/L	0.0269 mg/L	00:42:05
2	V	292.402†	12693.1	12802.7	0.2512 mg/L	0.2512 mg/L	00:41:55
2	Zn	213.857†	23214.2	21410.5	0.4840 mg/L	0.4840 mg/L	00:41:55

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	660256.5	1.06 mg/L	0.009			0.88%
Ag 328.068†	24289.9	0.4946 mg/L	0.00494	0.4946 mg/L	0.00494	1.00%
QC value within limits for Ag 328.068 Recovery = 98.93%						
Al 237.313†	666435.3	250.5 mg/L	0.87	250.5 mg/L	0.87	0.35%
QC value within limits for Al 237.313 Recovery = 100.21%						
As 188.979†	-16.2	-0.0021 mg/L	0.00309	-0.0021 mg/L	0.00309	150.45%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	12.6	0.0426 mg/L	0.01391	0.0426 mg/L	0.01391	32.63%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	4.3	0.0015 mg/L	0.00016	0.0015 mg/L	0.00016	11.05%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	4126.6	0.2497 mg/L	0.00255	0.2497 mg/L	0.00255	1.02%
QC value within limits for Ba 233.527 Recovery = 99.90%						
Be 313.107†	222463.3	0.2354 mg/L	0.00081	0.2354 mg/L	0.00081	0.34%
QC value within limits for Be 313.107 Recovery = 94.18%						
Ca 315.887†	7299097.7	250.6 mg/L	4.18	250.6 mg/L	4.18	1.67%
QC value within limits for Ca 315.887 Recovery = 100.23%						
Cd 228.802†	5207.3	0.4799 mg/L	0.00557	0.4799 mg/L	0.00557	1.16%
QC value within limits for Cd 228.802 Recovery = 95.99%						
Co 228.616†	2880.6	0.2297 mg/L	0.00227	0.2297 mg/L	0.00227	0.99%
QC value within limits for Co 228.616 Recovery = 91.90%						
Cr 267.716†	6328.6	0.2393 mg/L	0.00370	0.2393 mg/L	0.00370	1.55%
QC value within limits for Cr 267.716 Recovery = 95.71%						
Cu 324.752†	17712.5	0.2461 mg/L	0.00296	0.2461 mg/L	0.00296	1.20%
QC value within limits for Cu 324.752 Recovery = 98.45%						
Fe 234.349†	102229.5	84.40 mg/L	0.388	84.40 mg/L	0.388	0.46%
QC value within limits for Fe 234.349 Recovery = 84.40%						
Fe 238.204†	3337609.3	92.73 mg/L	0.401	92.73 mg/L	0.401	0.43%
QC value within limits for Fe 238.204 Recovery = 92.73%						
K 766.490†	48.1	-0.1203 mg/L	0.01057	-0.1203 mg/L	0.01057	8.78%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	91.6	-0.0024 mg/L	0.00022	-0.0024 mg/L	0.00022	9.03%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	1153521.3	250.8 mg/L	1.20	250.8 mg/L	1.20	0.48%
QC value within limits for Mg 279.077 Recovery = 100.34%						
Mn 257.610†	45886.2	0.2375 mg/L	0.00207	0.2375 mg/L	0.00207	0.87%
QC value within limits for Mn 257.610 Recovery = 95.00%						
Mo 202.031†	150.1	0.0090 mg/L	0.00017	0.0090 mg/L	0.00017	1.89%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	289.1	-0.1950 mg/L	0.00188	-0.1950 mg/L	0.00188	0.97%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	4588.5	0.4572 mg/L	0.00279	0.4572 mg/L	0.00279	0.61%
QC value within limits for Ni 231.604 Recovery = 91.44%						
P 214.914†	-136.5	0.0582 mg/L	0.00190	0.0582 mg/L	0.00190	3.27%
QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	1593.0	0.5129 mg/L	0.00213	0.5129 mg/L	0.00213	0.41%
QC value within limits for Pb 220.353 Recovery = 102.58%						
Sb 206.836†	17.9	0.0006 mg/L	0.01365	0.0006 mg/L	0.01365	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-5.2	0.0314 mg/L	0.00090	0.0314 mg/L	0.00090	2.85%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-303.6	-0.0247 mg/L	0.00499	-0.0247 mg/L	0.00499	20.22%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	22875.9	0.0252 mg/L	0.00020	0.0252 mg/L	0.00020	0.78%
QC value within limits for Sr 407.771 Recovery = Not calculated						

Ti 337.279† 2502.6 0.0133 mg/L 0.00366 0.0133 mg/L 0.00366 27.56%
 QC value within limits for Ti 337.279 Recovery = Not calculated
 Tl 190.801† 19.9 0.0276 mg/L 0.00098 0.0276 mg/L 0.00098 3.57%
 QC value within limits for Tl 190.801 Recovery = Not calculated
 V 292.402† 12714.1 0.2493 mg/L 0.00256 0.2493 mg/L 0.00256 1.03%
 QC value within limits for V 292.402 Recovery = 99.74%
 Zn 213.857† 21259.4 0.4806 mg/L 0.00485 0.4806 mg/L 0.00485 1.01%
 QC value within limits for Zn 213.857 Recovery = 96.11%
 QC Failed. Continue with analysis.

Sequence No.: 53 Autosampler Location: 0
 Sample ID: WASH Date Collected: 10/10/2012 12:43:44 AM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	8.9	11.7	0.0065 mg/L	0.0065 mg/L	0.0065 mg/L	00:45:37
1	Fe 234.349†	126.5	111.0	0.0832 mg/L	0.0832 mg/L	0.0832 mg/L	00:45:37
1	K 766.490†	259.7	107.2	-0.0890 mg/L	-0.0890 mg/L	-0.0890 mg/L	00:45:27
1	Li 670.784†	-91.1	55.9	-0.0034 mg/L	-0.0034 mg/L	-0.0034 mg/L	00:45:27
1	Na 589.592†	69.7	652.1	-0.1311 mg/L	-0.1311 mg/L	-0.1311 mg/L	00:45:27
1	Sr 407.771†	363.8	254.4	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	00:45:27
1	Y 371.029	676211.9	676211.9	1.09 mg/L	1.09 mg/L	1.09 mg/L	00:46:02
1	Ag 328.068†	1504.7	-53.1	-0.0015 mg/L	-0.0015 mg/L	-0.0015 mg/L	00:46:02
1	Al 237.313†	103.5	253.9	0.0898 mg/L	0.0898 mg/L	0.0898 mg/L	00:46:12
1	As 188.979†	5.7	-0.0	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	00:46:12
1	B 182.528†	-8.2	-2.0	-0.0033 mg/L	-0.0033 mg/L	-0.0033 mg/L	00:46:12
1	Ba 233.527†	-37.1	16.4	0.0017 mg/L	0.0017 mg/L	0.0017 mg/L	00:46:12
1	Be 313.107†	-179.5	231.7	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	00:46:02
1	Ca 315.887†	3698.7	4342.8	0.1577 mg/L	0.1577 mg/L	0.1577 mg/L	00:46:02
1	Cd 228.802†	59.6	1.3	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	00:46:12
1	Co 228.616†	-31.1	5.7	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	00:46:12
1	Cr 267.716†	493.2	33.3	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	00:46:02
1	Cu 324.752†	2017.3	-10.7	0.0036 mg/L	0.0036 mg/L	0.0036 mg/L	00:46:02
1	Fe 238.204†	2901.6	2584.7	0.0720 mg/L	0.0720 mg/L	0.0720 mg/L	00:46:12
1	Mg 279.077†	651.2	414.5	0.1078 mg/L	0.1078 mg/L	0.1078 mg/L	00:46:02
1	Mn 257.610†	717.7	404.5	0.0021 mg/L	0.0021 mg/L	0.0021 mg/L	00:46:12
1	Mo 202.031†	-2.7	2.6	0.0019 mg/L	0.0019 mg/L	0.0019 mg/L	00:46:12
1	Ni 231.604†	8.3	16.7	0.0009 mg/L	0.0009 mg/L	0.0009 mg/L	00:46:12
1	P 214.914†	205.5	10.3	0.0011 mg/L	0.0011 mg/L	0.0011 mg/L	00:46:12
1	Pb 220.353†	-2.0	13.8	0.0056 mg/L	0.0056 mg/L	0.0056 mg/L	00:46:12
1	Sb 206.836†	22.5	1.1	0.0035 mg/L	0.0035 mg/L	0.0035 mg/L	00:46:12
1	Se 196.026†	5.1	2.7	0.0072 mg/L	0.0072 mg/L	0.0072 mg/L	00:46:12
1	Sn 189.927†	1.6	6.0	0.0061 mg/L	0.0061 mg/L	0.0061 mg/L	00:46:12
1	Ti 337.279†	-160.0	426.8	0.0021 mg/L	0.0021 mg/L	0.0021 mg/L	00:46:02
1	Tl 190.801†	2.2	-1.6	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	00:46:12
1	V 292.402†	-744.7	111.8	0.0013 mg/L	0.0013 mg/L	0.0013 mg/L	00:46:02
1	Zn 213.857†	769.1	156.5	0.0028 mg/L	0.0028 mg/L	0.0028 mg/L	00:46:12
2	B 249.677†	-0.9	2.8	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	00:45:58
2	Fe 234.349†	101.0	89.0	0.0650 mg/L	0.0650 mg/L	0.0650 mg/L	00:45:58
2	K 766.490†	239.6	92.2	-0.0970 mg/L	-0.0970 mg/L	-0.0970 mg/L	00:45:48
2	Li 670.784†	-84.5	60.7	-0.0033 mg/L	-0.0033 mg/L	-0.0033 mg/L	00:45:48
2	Na 589.592†	49.8	634.5	-0.1342 mg/L	-0.1342 mg/L	-0.1342 mg/L	00:45:48
2	Sr 407.771†	304.7	204.5	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	00:45:48
2	Y 371.029	665866.1	665866.1	1.07 mg/L	1.07 mg/L	1.07 mg/L	00:46:14
2	Ag 328.068†	1461.6	-71.8	-0.0019 mg/L	-0.0019 mg/L	-0.0019 mg/L	00:46:14
2	Al 237.313†	79.9	233.4	0.0820 mg/L	0.0820 mg/L	0.0820 mg/L	00:46:24
2	As 188.979†	5.1	-0.5	-0.0010 mg/L	-0.0010 mg/L	-0.0010 mg/L	00:46:24
2	B 182.528†	-8.5	-2.4	-0.0046 mg/L	-0.0046 mg/L	-0.0046 mg/L	00:46:24
2	Ba 233.527†	-48.7	5.1	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	00:46:24
2	Be 313.107†	-194.7	215.0	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	00:46:14
2	Ca 315.887†	3108.9	3845.8	0.1407 mg/L	0.1407 mg/L	0.1407 mg/L	00:46:14
2	Cd 228.802†	58.1	0.8	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	00:46:24
2	Co 228.616†	-43.2	-6.0	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	00:46:24
2	Cr 267.716†	450.8	0.8	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	00:46:14
2	Cu 324.752†	2020.7	21.3	0.0040 mg/L	0.0040 mg/L	0.0040 mg/L	00:46:14
2	Fe 238.204†	2689.2	2428.1	0.0677 mg/L	0.0677 mg/L	0.0677 mg/L	00:46:24
2	Mg 279.077†	588.6	365.4	0.0972 mg/L	0.0972 mg/L	0.0972 mg/L	00:46:14

2	Mn 257.610†	698.5	396.8	0.0020	mg/L	0.0020	mg/L	00:46:24
2	Mo 202.031†	8.8	13.3	0.0044	mg/L	0.0044	mg/L	00:46:24
2	Ni 231.604†	10.2	18.6	0.0011	mg/L	0.0011	mg/L	00:46:24
2	P 214.914†	195.5	3.9	-0.0049	mg/L	-0.0049	mg/L	00:46:24
2	Pb 220.353†	-17.6	-0.8	0.0003	mg/L	0.0003	mg/L	00:46:24
2	Sb 206.836†	17.4	-3.4	-0.0055	mg/L	-0.0055	mg/L	00:46:24
2	Se 196.026†	0.3	-1.8	0.0005	mg/L	0.0005	mg/L	00:46:24
2	Sn 189.927†	1.5	6.0	0.0060	mg/L	0.0060	mg/L	00:46:24
2	Ti 337.279†	-210.7	377.3	0.0019	mg/L	0.0019	mg/L	00:46:14
2	Tl 190.801†	2.2	-1.6	0.0012	mg/L	0.0012	mg/L	00:46:24
2	V 292.402†	-676.2	165.1	0.0024	mg/L	0.0024	mg/L	00:46:14
2	Zn 213.857†	796.0	192.6	0.0037	mg/L	0.0037	mg/L	00:46:24

Mean Data: WASH

Analyte	Mean Corrected Intensity	Conc. Units	Calib Units	Std.Dev.	Conc. Units	Sample Units	Std.Dev.	RSD
Y 371.029	671039.0	1.08	mg/L	0.012				1.09%
Ag 328.068†	-62.4	-0.0017	mg/L	0.00027	-0.0017	mg/L	0.00027	15.69%
Al 237.313†	243.6	0.0859	mg/L	0.00546	0.0859	mg/L	0.00546	6.36%
As 188.979†	-0.2	-0.0005	mg/L	0.00076	-0.0005	mg/L	0.00076	169.69%
B 182.528†	-2.2	-0.0039	mg/L	0.00089	-0.0039	mg/L	0.00089	22.62%
B 249.677†	7.3	0.0038	mg/L	0.00371	0.0038	mg/L	0.00371	96.69%
Ba 233.527†	10.8	0.0014	mg/L	0.00049	0.0014	mg/L	0.00049	35.27%
Be 313.107†	223.4	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	14.27%
Ca 315.887†	4094.3	0.1492	mg/L	0.01206	0.1492	mg/L	0.01206	8.09%
Cd 228.802†	1.1	-0.0001	mg/L	0.00003	-0.0001	mg/L	0.00003	34.22%
Co 228.616†	-0.1	0.0007	mg/L	0.00066	0.0007	mg/L	0.00066	88.61%
Cr 267.716†	17.0	0.0006	mg/L	0.00087	0.0006	mg/L	0.00087	145.57%
Cu 324.752†	5.3	0.0038	mg/L	0.00031	0.0038	mg/L	0.00031	8.12%
Fe 234.349†	100.0	0.0741	mg/L	0.01288	0.0741	mg/L	0.01288	17.37%
Fe 238.204†	2506.4	0.0699	mg/L	0.00307	0.0699	mg/L	0.00307	4.40%
K 766.490†	99.7	-0.0930	mg/L	0.00564	-0.0930	mg/L	0.00564	6.07%
Li 670.784†	58.3	-0.0034	mg/L	0.00010	-0.0034	mg/L	0.00010	2.87%
Mg 279.077†	389.9	0.1025	mg/L	0.00755	0.1025	mg/L	0.00755	7.36%
Mn 257.610†	400.6	0.0020	mg/L	0.00003	0.0020	mg/L	0.00003	1.37%
Mo 202.031†	8.0	0.0031	mg/L	0.00172	0.0031	mg/L	0.00172	54.76%
Na 589.592†	643.3	-0.1326	mg/L	0.00218	-0.1326	mg/L	0.00218	1.65%
Ni 231.604†	17.7	0.0010	mg/L	0.00013	0.0010	mg/L	0.00013	13.87%
P 214.914†	7.1	-0.0019	mg/L	0.00430	-0.0019	mg/L	0.00430	226.65%
Pb 220.353†	6.5	0.0029	mg/L	0.00376	0.0029	mg/L	0.00376	128.88%
Sb 206.836†	-1.1	-0.0010	mg/L	0.00638	-0.0010	mg/L	0.00638	657.37%
Se 196.026†	0.5	0.0038	mg/L	0.00470	0.0038	mg/L	0.00470	122.59%
Sn 189.927†	6.0	0.0060	mg/L	0.00004	0.0060	mg/L	0.00004	0.66%
Sr 407.771†	229.4	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	64.07%
Ti 337.279†	402.1	0.0020	mg/L	0.00019	0.0020	mg/L	0.00019	9.47%
Tl 190.801†	-1.6	0.0011	mg/L	0.00016	0.0011	mg/L	0.00016	14.78%
V 292.402†	138.5	0.0019	mg/L	0.00079	0.0019	mg/L	0.00079	42.90%
Zn 213.857†	174.6	0.0032	mg/L	0.00058	0.0032	mg/L	0.00058	17.87%

Lead Logbooks

HOLDING TIME SUMMARY

6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
TP0706-RA100212	10/02/12 11:40	10/04/12 13:30	10/05/12 15:10	3.15	180.00	10/06/12 23:41	4.50	180.00	
TP1107-RA100212	10/02/12 12:00	10/04/12 13:30	10/05/12 15:10	3.13	180.00	10/06/12 23:45	4.49	180.00	
TP0903-RA100212	10/02/12 13:00	10/04/12 13:30	10/05/12 15:10	3.09	180.00	10/09/12 23:35	7.44	180.00	
TP0904-RA100212	10/02/12 13:05	10/04/12 13:30	10/05/12 15:10	3.09	180.00	10/06/12 23:54	4.45	180.00	
TP0410-RA100212	10/02/12 13:25	10/04/12 13:30	10/05/12 15:10	3.07	180.00	10/06/12 23:58	4.44	180.00	
TP0608-RA100212	10/02/12 14:20	10/04/12 13:30	10/05/12 15:10	3.03	180.00	10/09/12 23:40	7.39	180.00	
TP0505-RA100212	10/02/12 14:35	10/04/12 13:30	10/05/12 15:10	3.02	180.00	10/09/12 23:44	7.38	180.00	
TP0810-RA100212	10/02/12 14:45	10/04/12 13:30	10/05/12 15:10	3.02	180.00	10/07/12 00:10	4.39	180.00	
TP0104-RA100212	10/02/12 15:00	10/04/12 13:30	10/05/12 15:10	3.01	180.00	10/07/12 00:23	4.39	180.00	
TP0205-RA100312	10/03/12 07:35	10/04/12 13:30	10/05/12 15:10	2.32	180.00	10/07/12 00:27	3.70	180.00	
TP0305-RA100312	10/03/12 07:45	10/04/12 13:30	10/05/12 15:10	2.31	180.00	10/07/12 00:50	3.71	180.00	
TP1002-RA100412	10/04/12 09:10	10/04/12 13:30	10/05/12 15:10	1.25	180.00	10/09/12 23:57	5.62	180.00	

BCHTable

LabNumber	De	SxName	Analysis	Prepared	Prepa	Initial	Final	St	St	Source	SpikelD1
1210127-01	B	TP0706-R	MP: Prep	10/5/2012	KJK	2.07	100	0	0		
1210127-02	B	TP1107-R	MP: Prep	10/5/2012	KJK	3.12	100	0	0		
1210127-03	B	TP0903-R	MP: Prep	10/5/2012	KJK	2.09	100	0	0		
1210127-04	B	TP0904-R	MP: Prep	10/5/2012	KJK	2.03	100	0	0		
1210127-05	B	TP0410-R	MP: Prep	10/5/2012	KJK	2.21	100	0	0		
1210127-06	B	TP0608-R	MP: Prep	10/5/2012	KJK	2.12	100	0	0		
1210127-07	B	TP0505-R	MP: Prep	10/5/2012	KJK	2.47	100	0	0		
1210127-08	B	TP0810-R	MP: Prep	10/5/2012	KJK	2.03	100	0	0		
1210127-09	B	TP0104-R	MP: Prep	10/5/2012	KJK	3.07	100	0	0		
1210127-10	B	TP0205-R	MP: Prep	10/5/2012	KJK	3.14	100	0	0		
1210127-11	B	TP0305-R	MP: Prep	10/5/2012	KJK	3	100	0	0		
1210127-12	B	TP1002-R	MP: Prep	10/5/2012	KJK	3.05	100	0	0		
1210132-01	D	MH53-1-S	MP: Prep	10/5/2012	KJK	2.02	100	0	0		
1210132-02	D	JC-053-S	MP: Prep	10/5/2012	KJK	2.12	100	0	0		
1210132-03	D	DS-053-S	MP: Prep	10/5/2012	KJK	3.12	100	0	0		
1210132-04	D	DS-049-S	MP: Prep	10/5/2012	KJK	3.09	100	0	0		
1210137-01	F	SS-1	MP: Prep	10/5/2012	KJK	2.12	100	0	0		
1210137-02	F	SS-2	MP: Prep	10/5/2012	KJK	2.43	100	0	0		
1210145-01			MP: Prep	10/5/2012	KJK	2.5	100	0	0		
1210146-01			MP: Prep	10/5/2012	KJK	2.11	100	0	0		
CJ20518-BLK1	-	Blank	-	10/5/2012	KJK	2	100	0	0		
CJ20518-BS1	-	LCS	-	10/5/2012	KJK	0.55	100	0	0		2107064
CJ20518-BSD1	-	LCS Dup	-	10/5/2012	KJK	0.54	100	0	0		2107064
CJ20518-DUP1	-	Duplicate	-	10/5/2012	KJK	3.05	100	0	0	1210127-10	
CJ20518-DUP2	-	Duplicate	-	10/5/2012	KJK	2.29	100	0	0	1210137-02	
CJ20518-MS1	-	Matrix Spik	-	10/5/2012	KJK	3.11	100	0	0	1210127-1	2G17050
CJ20518-MS2	-	Matrix Spik	-	10/5/2012	KJK	2.23	100	0	0	1210137-0	2G17050

Comments	
20x Rule	
20x Rule	
20x Rule	
20x Rule	
20x	
20x	

Lead Data Package

Lead Sample Data

ESS Laboratory

SDG: 1210127
CLASS: METALS
METHOD: 1312/6010B

ANALYSES DATA PACKAGE COVER PAGE

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Client Sample Id:	Lab Sample Id:
<u>TP0706-RA100212</u>	<u>1210127-01</u>
<u>TP1107-RA100212</u>	<u>1210127-02</u>
<u>TP0903-RA100212</u>	<u>1210127-03</u>
<u>TP0904-RA100212</u>	<u>1210127-04</u>
<u>TP0410-RA100212</u>	<u>1210127-05</u>
<u>TP0608-RA100212</u>	<u>1210127-06</u>
<u>TP0505-RA100212</u>	<u>1210127-07</u>
<u>TP0810-RA100212</u>	<u>1210127-08</u>
<u>TP0104-RA100212</u>	<u>1210127-09</u>
<u>TP0205-RA100312</u>	<u>1210127-10</u>
<u>TP0205-RA100312</u>	<u>1210127-10RE1</u>
<u>TP0305-RA100312</u>	<u>1210127-11</u>
<u>TP1002-RA100412</u>	<u>1210127-12</u>

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Aqueous

Instrument: ICP3

Analyte	MDL	MRL	Units
Aluminum	0.026	0.100	mg/L
Calcium	0.065	0.200	mg/L
Iron	0.023	0.100	mg/L
Lead	0.005	0.020	mg/L
Magnesium	0.042	0.200	mg/L

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0706-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-01

File ID: 101112NBD-033

Sampled: 10/02/12 11:40

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 17:48

Solids: 88.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence: CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.010	1	U	1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP1107-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-02

File ID: 101112NBD-034

Sampled: 10/02/12 12:00

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 17:52

Solids: 84.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence:

CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.010	1	U	1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0903-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-03

File ID: 101112NBD-035

Sampled: 10/02/12 13:00

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 17:56

Solids: 76.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence: CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.146	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0904-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-04

File ID: 101112NBD-036

Sampled: 10/02/12 13:05

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 18:01

Solids: 77.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence: CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.031	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0410-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-05

File ID: 101112NBD-037

Sampled: 10/02/12 13:25

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 18:05

Solids: 87.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence: CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.048	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0608-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-06

File ID: 101112NBD-038

Sampled: 10/02/12 14:20

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 18:09

Solids: 91.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence:

CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.169	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0505-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-07

File ID: 101112NBD-039

Sampled: 10/02/12 14:35

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 18:13

Solids: 81.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence:

CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.254	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0810-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-08

File ID: 101112NBD-042

Sampled: 10/02/12 14:45

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 18:26

Solids: 89.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence: CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.019	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0104-RA100212

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-09

File ID: 101112NBD-043

Sampled: 10/02/12 15:00

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 18:31

Solids: 84.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence: CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.010	1	U	1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0205-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-10

File ID: 101112NBD-044

Sampled: 10/03/12 07:35

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 18:35

Solids: 78.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence:

CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.109	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP0305-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-11

File ID: 101112NBD-050

Sampled: 10/03/12 07:45

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 19:00

Solids: 84.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence:

CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.090	1		1312/6010B

INORGANIC ANALYSIS DATA SHEET

1312/6010B

TP1002-RA100412

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Soil

Laboratory ID: 1210127-12

File ID: 101112NBD-051

Sampled: 10/04/12 09:10

Prepared: 10/10/12 13:54

Analyzed: 10/11/12 19:05

Solids: 83.00

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Batch: CJ21017

Sequence: CVJ0307

Calibration: UNASSIGNED

Instrument: ICP3

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
7439-92-1	Lead	0.358	1		1312/6010B

Lead Quality Control Data

PREPARATION BATCH SUMMARY

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Batch: CJ21017

Batch Matrix: Aqueous

Preparation: 3005A_TCLP

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
TP0706-RA100212	1210127-01	101112NBD-033	10/10/12 13:54	
TP1107-RA100212	1210127-02	101112NBD-034	10/10/12 13:54	
TP0903-RA100212	1210127-03	101112NBD-035	10/10/12 13:54	
TP0904-RA100212	1210127-04	101112NBD-036	10/10/12 13:54	
TP0410-RA100212	1210127-05	101112NBD-037	10/10/12 13:54	
TP0608-RA100212	1210127-06	101112NBD-038	10/10/12 13:54	
TP0505-RA100212	1210127-07	101112NBD-039	10/10/12 13:54	
TP0810-RA100212	1210127-08	101112NBD-042	10/10/12 13:54	
TP0104-RA100212	1210127-09	101112NBD-043	10/10/12 13:54	
TP0205-RA100312	1210127-10	101112NBD-044	10/10/12 13:54	
TP0305-RA100312	1210127-11	101112NBD-050	10/10/12 13:54	
TP1002-RA100412	1210127-12	101112NBD-051	10/10/12 13:54	
Blank	CJ21017-BLK1	101112NBD-030	10/10/12 13:54	
LCS	CJ21017-BS1	101112NBD-063	10/10/12 13:54	
LCS Dup	CJ21017-BSD1	101112NBD-032	10/10/12 13:54	
TP0205-RA100312	CJ21017-DUP1	101112NBD-045	10/10/12 13:54	
TP0205-RA100312	CJ21017-MS1	101112NBD-046	10/10/12 13:54	
TP0205-RA100312	CJ21017-PS1	101112NBD-048	10/10/12 13:54	[Spk] 50ml->25ml; 10ml->10ml; Spiked 10ml

METHOD BLANK DATA SHEET

1312/6010B

Laboratory: ESS Laboratory SDG: 1210127
Client: AMEC Environmental and Infrastructure Project: Gorham Parcel C-1 Cap
Matrix: Aqueous Laboratory ID: CJ21017-BLK1 File ID: 101112NBD-030
Prepared: 10/10/12 13:54 Preparation: 3005A_TCLP Initial/Final: 50 ml / 25 ml
Analyzed: 10/11/12 17:35 Instrument: ICP3
Batch: CJ21017 Sequence: CVJ0307 Calibration: UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/L)	Q
7439-92-1	Lead	0.010	U

DUPLICATES

TP0205-RA100312

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Aqueous

Laboratory ID: CJ21017-DUP1

Batch: CJ21017

Lab Source ID: 1210127-10

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Source Sample Name: TP0205-RA100312

% Solids: 78.00

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	C	DUPLICATE CONCENTRATION (mg/L)	C	RPD %	Q	METHOD
Lead	20	0.109		0.112		2		1312/6010B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

1312/6010B

TP0205-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Aqueous

Batch: CJ21017

Laboratory ID: CJ21017-MS1

Preparation: 3005A_TCLP

Initial/Final: 50 ml / 25 ml

Source Sample Name: TP0205-RA100312

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC. #	QC LIMITS REC.
Lead	0.2500	0.109	0.368	104	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

1312/6010B

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210127</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Matrix: <u>Aqueous</u>	
Batch: <u>CJ21017</u>	Laboratory ID: <u>CJ21017-BS1</u>
Preparation: <u>3005A_TCLP</u>	Initial/Final: <u>50 ml / 25 ml</u>

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC. #	QC LIMITS REC.
Lead	0.2500	0.257	103	80 - 120

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Lead	0.2500	0.256	102	0.6	20	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Lead Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0307

Instrument: ICP3

Matrix: Aqueous

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	CVJ0307-ICV1	101112NBD-005	10/11/12 15:41
Secondary Cal Check	CVJ0307-SCV1	101112NBD-006	10/11/12 15:45
Initial Cal Blank	CVJ0307-ICB1	101112NBD-007	10/11/12 15:49
Instrument RL Check	CVJ0307-CRL1	101112NBD-008	10/11/12 15:54
Instrument RL Check	CVJ0307-CRL2	101112NBD-009	10/11/12 15:58
Instrument RL Check	CVJ0307-CRL3	101112NBD-010	10/11/12 16:03
Interference Check A	CVJ0307-IFA1	101112NBD-013	10/11/12 16:18
Interference Check B	CVJ0307-IFB1	101112NBD-014	10/11/12 16:22
Calibration Check	CVJ0307-CCV1	101112NBD-028	10/11/12 17:26
Calibration Blank	CVJ0307-CCB1	101112NBD-029	10/11/12 17:30
Blank	CJ21017-BLK1	101112NBD-030	10/11/12 17:35
LCS Dup	CJ21017-BSD1	101112NBD-032	10/11/12 17:43
TP0706-RA100212	1210127-01	101112NBD-033	10/11/12 17:48
TP1107-RA100212	1210127-02	101112NBD-034	10/11/12 17:52
TP0903-RA100212	1210127-03	101112NBD-035	10/11/12 17:56
TP0904-RA100212	1210127-04	101112NBD-036	10/11/12 18:01
TP0410-RA100212	1210127-05	101112NBD-037	10/11/12 18:05
TP0608-RA100212	1210127-06	101112NBD-038	10/11/12 18:09
TP0505-RA100212	1210127-07	101112NBD-039	10/11/12 18:13
Calibration Check	CVJ0307-CCV2	101112NBD-040	10/11/12 18:18
Calibration Blank	CVJ0307-CCB2	101112NBD-041	10/11/12 18:22
TP0810-RA100212	1210127-08	101112NBD-042	10/11/12 18:26
TP0104-RA100212	1210127-09	101112NBD-043	10/11/12 18:31
TP0205-RA100312	1210127-10	101112NBD-044	10/11/12 18:35
TP0205-RA100312	CJ21017-DUP1	101112NBD-045	10/11/12 18:39
TP0205-RA100312	CJ21017-MS1	101112NBD-046	10/11/12 18:43
TP0205-RA100312	CVJ0307-SRD1	101112NBD-047	10/11/12 18:48
TP0205-RA100312	CJ21017-PS1	101112NBD-048	10/11/12 18:52
TP0305-RA100312	1210127-11	101112NBD-050	10/11/12 19:00
TP1002-RA100412	1210127-12	101112NBD-051	10/11/12 19:05
Calibration Check	CVJ0307-CCV3	101112NBD-052	10/11/12 19:09
Calibration Blank	CVJ0307-CCB3	101112NBD-053	10/11/12 19:14

BLANKS
1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0307

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
CVJ0307-ICB1	Aluminum	-0.0229	0.100	mg/L		1312/6010B
	Calcium	-0.020	0.200	mg/L		1312/6010B
	Iron	-0.012	0.100	mg/L		1312/6010B
	Lead	-0.003	0.020	mg/L		1312/6010B
	Magnesium	-0.034	0.200	mg/L		1312/6010B
CVJ0307-CCB1	Aluminum	-0.025	0.100	mg/L		1312/6010B
	Calcium	-0.021	0.200	mg/L		1312/6010B
	Iron	-0.002	0.100	mg/L		1312/6010B
	Lead	-0.003	0.020	mg/L		1312/6010B
	Magnesium	-0.034	0.200	mg/L		1312/6010B
CJ21017-BLK1	Lead	-0.002	0.010	mg/L		1312/6010B
CVJ0307-CCB2	Aluminum	-0.025	0.100	mg/L		1312/6010B
	Calcium	-0.020	0.200	mg/L		1312/6010B
	Iron	-0.0003	0.100	mg/L		1312/6010B
	Lead	-0.005	0.020	mg/L		1312/6010B
	Magnesium	-0.035	0.200	mg/L		1312/6010B
CVJ0307-CCB3	Aluminum	-0.014	0.100	mg/L		1312/6010B
	Calcium	-0.021	0.200	mg/L		1312/6010B
	Iron	-0.002	0.100	mg/L		1312/6010B
	Lead	-0.003	0.020	mg/L		1312/6010B
	Magnesium	-0.034	0.200	mg/L		1312/6010B

INITIAL AND CONTINUING CALIBRATION CHECK

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: CVJ0307

Lab Sample ID	Analyte	True	Found	%R	Units	Method
CVJ0307-ICV1	Aluminum	2.500	2.49	100	mg/L	1312/6010B
	Calcium	5.000	4.91	98	mg/L	1312/6010B
	Iron	2.500	2.47	99	mg/L	1312/6010B
	Lead	0.5000	0.490	98	mg/L	1312/6010B
	Magnesium	5.000	4.92	98	mg/L	1312/6010B
CVJ0307-CCV1	Aluminum	2.500	2.47	99	mg/L	1312/6010B
	Calcium	5.000	4.84	97	mg/L	1312/6010B
	Iron	2.500	2.44	98	mg/L	1312/6010B
	Lead	0.5000	0.485	97	mg/L	1312/6010B
	Magnesium	5.000	4.85	97	mg/L	1312/6010B
CVJ0307-CCV2	Aluminum	2.500	2.57	103	mg/L	1312/6010B
	Calcium	5.000	5.06	101	mg/L	1312/6010B
	Iron	2.500	2.60	104	mg/L	1312/6010B
	Lead	0.5000	0.511	102	mg/L	1312/6010B
	Magnesium	5.000	5.11	102	mg/L	1312/6010B
CVJ0307-CCV3	Aluminum	2.500	2.51	100	mg/L	1312/6010B
	Calcium	5.000	4.99	100	mg/L	1312/6010B
	Iron	2.500	2.53	101	mg/L	1312/6010B
	Lead	0.5000	0.495	99	mg/L	1312/6010B
	Magnesium	5.000	5.02	100	mg/L	1312/6010B

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

1312/6010B

TP0205-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Aqueous

Laboratory ID: CJ21017-PS1

Batch: CJ21017

Lab Source ID: 1210127-10

Preparation: 3005A_TCLP

Initial/Final: 20 ml / 10 ml

Source Sample Name: TP0205-RA100312

% Solids: 78.00

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/L)	Sample Result (SR) (mg/L)	Spike Added (SA) (mg/L)	%R
Lead	75 - 125	0.730	0.218	0.5000	102

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0307

Lab Sample ID	Analyte	True	Found	%R	Units
CVJ0307-IFA1	Aluminum	250.0	238.5506	95	mg/L
	Calcium	250.0	226.0984	90	mg/L
	Iron	100.0	87.9874	88	mg/L
	Lead		0.0170		mg/L
	Lead		0.0170		mg/L
CVJ0307-IFB1	Magnesium	250.0	226.6819	91	mg/L
	Aluminum	250.0	237.3864	95	mg/L
	Calcium	250.0	227.1300	91	mg/L
	Iron	100.0	85.1056	85	mg/L
	Lead	0.5000	0.4377	88	mg/L
CVJ0307-IFA2	Lead	0.5000	0.4377	88	mg/L
	Magnesium	250.0	225.0495	90	mg/L
	Aluminum	250.0	237.8625	95	mg/L
	Calcium	250.0	225.9900	90	mg/L
	Iron	100.0	94.8505	95	mg/L
CVJ0307-IFB2	Lead		0.0216		mg/L
	Lead		0.0216		mg/L
	Magnesium	250.0	231.2036	92	mg/L
	Aluminum	250.0	243.1205	97	mg/L
	Calcium	250.0	228.4994	91	mg/L
	Iron	100.0	97.7593	98	mg/L
	Lead	0.5000	0.4594	92	mg/L
	Lead	0.5000	0.4594	92	mg/L
	Magnesium	250.0	235.8878	94	mg/L

* Values outside of QC limits

SERIAL DILUTION

1312/6010B

TP0205-RA100312

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Aqueous

Laboratory ID: CVJ0307-SRD1

Sequence: CVJ0307

Lab Source ID: 1210127-10

Preparation: CJ21017

Initial/Final: 50 / 25

Source Sample Name: TP0205-RA100312

% Solids: 78.00

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference
Lead	0.109		0.129		17	*	1312/6010B	10

* Values outside of QC limits

CRDL STANDARD

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Instrument ID: ICP3

Calibration: UNASSIGNED

Sequence: CVJ0307

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limits
CVJ0307-CRL1	Aluminum	0.2500	0.240	96	mg/L	70 - 130
	Calcium	0.5000	0.501	100	mg/L	70 - 130
	Iron	0.2500	0.247	99	mg/L	70 - 130
	Lead	0.05000	0.048	95	mg/L	70 - 130
	Lead	0.05000	0.048	95	mg/L	70 - 130
	Magnesium	0.5000	0.496	99	mg/L	70 - 130
CVJ0307-CRL2	Aluminum	0.1000	0.0761	76	mg/L	70 - 130
	Calcium	0.2000	0.181	90	mg/L	70 - 130
	Iron	0.1000	0.091	91	mg/L	70 - 130
	Lead	0.02000	0.015	77	mg/L	70 - 130
	Lead	0.02000	0.015	77	mg/L	70 - 130
	Magnesium	0.2000	0.173	87	mg/L	70 - 130
CVJ0307-CRL3	Aluminum	0.05000	0.0310	62 *	mg/L	70 - 130
	Calcium	0.1000	0.083	83	mg/L	70 - 130
	Iron	0.05000	0.041	82	mg/L	70 - 130
	Lead	0.01000	0.005	48 *	mg/L	70 - 130
	Lead	0.01000	0.005	48 *	mg/L	70 - 130
	Magnesium	0.1000	0.070	70	mg/L	70 - 130














* Values outside of QC limits

Seq.	Loc.	Sample ID
1	1	CAL1
2	2	CAL2
3	3	CAL3
4	4	CAL4
5	3	CCV1
6	1	CCB1
7	9	CJ21016-BLK1
8	10	CJ21016-BS1
9	11	CJ21016-BSD1
10	12	1210214-01
11	13	1210215-01
12	14	CJ21016-DUP1
13	15	CJ21016-MS1
14	16	CJ21016-SD1 @5
15	17	CJ21016-PDS1
16	18	1210216-01
17	3	CCV1
18	1	CCB1
19	19	CJ21017-BLK1
20	20	CJ21017-BS1
21	21	CJ21017-BSD1
22	22	1210127-01 SPLP
23	23	1210127-02 SPLP
24	24	1210127-03 SPLP
25	25	1210127-04 SPLP
26	26	1210127-05 SPLP
27	27	1210127-06 SPLP
28	28	1210127-07 SPLP
29	3	CCV1
30	1	CCB1
31	29	1210127-08 SPLP
32	30	1210127-09 SPLP
33	31	1210127-10 SPLP
34	32	CJ21017-DUP1
35	33	CJ21017-MS1
36	34	CJ21017-SD1 @5
37	35	CJ21017-PDS1
38	36	CJ21017-BLK2
39	37	1210127-11 SPLP
40	38	1210127-12 SPLP
41	3	CCV1
42	1	CCB1
43	39	1210173-01 SPLP
44	40	1210173-02 SPLP
45	41	1210173-03 SPLP
46	42	CJ21017-DUP2
47	43	CJ21017-MS2
48	44	CJ21017-SD2 @5
49	45	CJ21017-PDS2
50	46	1210190-01
51	47	1210223-01
52	20	CJ21017-BS1
53	3	CCV1
54	1	CCB1
55	48	CJ21101-BLK1
56	49	CJ21101-BS1
57	50	CJ21101-BSD1
58	51	1210228-01

Seq.	Loc.	Sample ID
59	52	CJ21101-DUP1
60	53	CJ21101-MS1
61	54	CJ21101-SD1 @5
62	55	CJ21101-PDS1
63	56	1210228-02
64	57	1210228-03
65	3	CCV1
66	1	CCB1
67	58	1210228-04
68	59	1210228-05
69	60	1210228-06
70	61	1210228-07
71	62	1210228-08
72	63	1210228-09
73	64	1210228-10
74	65	1210228-11
75	66	1210228-12
76	67	1210228-13
77	3	CCV1
78	1	CCB1
79	68	CJ21101-DUP2
80	69	CJ21101-MS2
81	70	CJ21101-SD2 @5
82	71	CJ21101-PDS2
83	72	CJ21102-BLK1
84	73	CJ21102-BS1
85	74	CJ21102-BSD1
86	75	CJ21102-BLK2
87	76	1210196-01
88	77	1210235-01
89	3	CCV1
90	1	CCB1
91	78	1210235-02
92	79	1210235-03
93	80	1210235-04
94	81	1210235-05
95	82	1210235-06
96	83	1210235-07
97	84	1210235-08
98	85	CJ21102-DUP1
99	86	CJ21102-MS1
100	87	CJ21102-SD1 @5
101	3	CCV1
102	1	CCB1
103	88	CJ21102-PDS1
104	89	1210235-09
105	90	121011FILTBK
106	3	CCV1
107	1	CCB1
108	160	IFA
109	159	IFB
110	0	WASH

Analytical Sequence

Method : Everything - DV

Seq.	Loc.		Sample ID
1	1		CAL1
2	2		CAL2
3	3		CAL3
4	4		CAL4
5	3		ICV1
6	5		SCV1
7	1		ICB1
8	6		CRL1
9	7		CRL2
10	8		CRL3
11	160		IFA
12	159		IFB
13	0		WASH

=====
Analysis Begun

Start Time: 10/11/2012 3:24:14 PM Plasma On Time: 10/11/2012 7:37:31 AM
Logged In Analyst: ICP3 Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\00dailycal.sif
Batch ID:
Results Data Set: 101112NBD
Results Library: C:\pe\ICP3\Results\Results.mdb

=====
Sequence No.: 1 Autosampler Location: 1
Sample ID: CAL1 Date Collected: 10/11/2012 3:24:14 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Analysis Time
1	B 249.677†	4.6	4.7	[0.00] mg/L	15:26:11
1	Fe 234.349†	3.3	3.4	[0.00] mg/L	15:26:11
1	K 766.490†	296.0	299.7	[0.00] mg/L	15:26:01
1	Li 670.784†	-186.9	-189.3	[0.00] mg/L	15:26:01
1	Na 589.592†	-305.6	-309.5	[0.00] mg/L	15:26:01
1	Sr 407.771†	99.8	101.1	[0.00] mg/L	15:26:01
1	Y 371.029	3088257.8	3088257.8	0.988 mg/L	15:26:35
1	Ag 328.068†	2010.4	2035.8	[0.00] mg/L	15:26:37
1	Al 237.313†	-88.2	-89.3	[0.00] mg/L	15:26:37
1	As 188.979†	5.8	5.9	[0.00] mg/L	15:26:47
1	B 182.528†	-7.4	-7.5	[0.00] mg/L	15:26:47
1	Ba 233.527†	-76.3	-77.3	[0.00] mg/L	15:26:47
1	Be 313.107†	-933.5	-945.3	[0.00] mg/L	15:26:37
1	Ca 315.887†	1627.7	1648.2	[0.00] mg/L	15:26:37
1	Cd 228.802†	91.5	92.6	[0.00] mg/L	15:26:47
1	Co 228.616†	-18.3	-18.6	[0.00] mg/L	15:26:47
1	Cr 267.716†	639.9	648.0	[0.00] mg/L	15:26:37
1	Cu 324.752†	1775.2	1797.6	[0.00] mg/L	15:26:37
1	Fe 238.204†	869.6	880.6	[0.00] mg/L	15:26:47
1	Mg 279.077†	330.8	335.0	[0.00] mg/L	15:26:37
1	Mn 257.610†	483.3	489.4	[0.00] mg/L	15:26:37
1	Mo 202.031†	-17.0	-17.2	[0.00] mg/L	15:26:47
1	Ni 231.604†	25.4	25.8	[0.00] mg/L	15:26:37
1	P 214.914†	251.8	255.0	[0.00] mg/L	15:26:47
1	Pb 220.353†	-1.7	-1.7	[0.00] mg/L	15:26:47
1	Sb 206.836†	33.3	33.7	[0.00] mg/L	15:26:47
1	Se 196.026†	-3.6	-3.6	[0.00] mg/L	15:26:47
1	Sn 189.927†	1.0	1.0	[0.00] mg/L	15:26:47
1	Ti 337.279†	-1050.7	-1064.0	[0.00] mg/L	15:26:37
1	Tl 190.801†	8.6	8.8	[0.00] mg/L	15:26:47
1	V 292.402†	-947.0	-959.0	[0.00] mg/L	15:26:37
1	Zn 213.857†	1093.5	1107.3	[0.00] mg/L	15:26:47
2	B 249.677†	1.6	1.6	[0.00] mg/L	15:26:31
2	Fe 234.349†	5.1	5.1	[0.00] mg/L	15:26:31
2	K 766.490†	318.7	314.8	[0.00] mg/L	15:26:21
2	Li 670.784†	-192.2	-189.9	[0.00] mg/L	15:26:21
2	Na 589.592†	-278.1	-274.7	[0.00] mg/L	15:26:21
2	Sr 407.771†	118.0	116.6	[0.00] mg/L	15:26:21
2	Y 371.029	3166323.2	3166323.2	1.01 mg/L	15:26:50
2	Ag 328.068†	2067.7	2042.3	[0.00] mg/L	15:26:52
2	Al 237.313†	-207.7	-205.1	[0.00] mg/L	15:26:52
2	As 188.979†	10.0	9.8	[0.00] mg/L	15:27:02
2	B 182.528†	-5.9	-5.9	[0.00] mg/L	15:27:02
2	Ba 233.527†	-56.5	-55.8	[0.00] mg/L	15:27:02
2	Be 313.107†	-875.7	-864.9	[0.00] mg/L	15:26:52
2	Ca 315.887†	1441.4	1423.6	[0.00] mg/L	15:26:52
2	Cd 228.802†	94.6	93.4	[0.00] mg/L	15:27:02
2	Co 228.616†	-51.0	-50.3	[0.00] mg/L	15:27:02
2	Cr 267.716†	631.7	623.9	[0.00] mg/L	15:26:52

2	Cu 324.752†	1761.0	1739.3	[0.00]	mg/L	15:26:52
2	Fe 238.204†	862.4	851.7	[0.00]	mg/L	15:27:02
2	Mg 279.077†	321.6	317.6	[0.00]	mg/L	15:26:52
2	Mn 257.610†	631.7	623.9	[0.00]	mg/L	15:26:52
2	Mo 202.031†	-6.5	-6.4	[0.00]	mg/L	15:27:02
2	Ni 231.604†	-6.4	-6.4	[0.00]	mg/L	15:26:52
2	P 214.914†	276.9	273.5	[0.00]	mg/L	15:27:02
2	Pb 220.353†	29.6	29.3	[0.00]	mg/L	15:27:02
2	Sb 206.836†	38.2	37.7	[0.00]	mg/L	15:27:02
2	Se 196.026†	-0.2	-0.2	[0.00]	mg/L	15:27:02
2	Sn 189.927†	-6.4	-6.3	[0.00]	mg/L	15:27:02
2	Ti 337.279†	-1145.9	-1131.8	[0.00]	mg/L	15:26:52
2	Tl 190.801†	6.8	6.7	[0.00]	mg/L	15:27:02
2	V 292.402†	-897.8	-886.8	[0.00]	mg/L	15:26:52
2	Zn 213.857†	1080.6	1067.3	[0.00]	mg/L	15:27:02

Mean Data: CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	3127290.5	55200.57	1.77%	1.00	mg/L
Ag 328.068†	2039.0	4.58	0.22%	[0.00]	mg/L
Al 237.313†	-147.2	81.87	55.61%	[0.00]	mg/L
As 188.979†	7.9	2.82	35.97%	[0.00]	mg/L
B 182.528†	-6.7	1.15	17.30%	[0.00]	mg/L
B 249.677†	3.1	2.20	70.28%	[0.00]	mg/L
Ba 233.527†	-66.5	15.20	22.85%	[0.00]	mg/L
Be 313.107†	-905.1	56.84	6.28%	[0.00]	mg/L
Ca 315.887†	1535.9	158.83	10.34%	[0.00]	mg/L
Cd 228.802†	93.0	0.55	0.59%	[0.00]	mg/L
Co 228.616†	-34.5	22.46	65.18%	[0.00]	mg/L
Cr 267.716†	635.9	17.02	2.68%	[0.00]	mg/L
Cu 324.752†	1768.5	41.24	2.33%	[0.00]	mg/L
Fe 234.349†	4.2	1.19	28.33%	[0.00]	mg/L
Fe 238.204†	866.2	20.40	2.36%	[0.00]	mg/L
K 766.490†	307.2	10.65	3.47%	[0.00]	mg/L
Li 670.784†	-189.6	0.44	0.23%	[0.00]	mg/L
Mg 279.077†	326.3	12.25	3.75%	[0.00]	mg/L
Mn 257.610†	556.7	95.09	17.08%	[0.00]	mg/L
Mo 202.031†	-11.8	7.63	64.78%	[0.00]	mg/L
Na 589.592†	-292.1	24.60	8.42%	[0.00]	mg/L
Ni 231.604†	9.7	22.71	234.32%	[0.00]	mg/L
P 214.914†	264.2	13.11	4.96%	[0.00]	mg/L
Pb 220.353†	13.8	21.93	159.20%	[0.00]	mg/L
Sb 206.836†	35.7	2.88	8.05%	[0.00]	mg/L
Se 196.026†	-1.9	2.41	123.70%	[0.00]	mg/L
Sn 189.927†	-2.7	5.18	193.93%	[0.00]	mg/L
Sr 407.771†	108.8	10.96	10.07%	[0.00]	mg/L
Ti 337.279†	-1097.9	47.92	4.36%	[0.00]	mg/L
Tl 190.801†	7.7	1.47	19.12%	[0.00]	mg/L
V 292.402†	-922.9	51.05	5.53%	[0.00]	mg/L
Zn 213.857†	1087.3	28.28	2.60%	[0.00]	mg/L

Sequence No.: 2
Sample ID: CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/11/2012 3:28:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	B 249.677†	81.9	80.4	[0.1000]	mg/L	15:30:30
1	Fe 234.349†	311.1	313.1	[0.5000]	mg/L	15:30:30
1	K 766.490†	6830.1	6659.4	[5.0000]	mg/L	15:30:20
1	Li 670.784†	1474.8	1693.8	[0.1000]	mg/L	15:30:20
1	Na 589.592†	17703.5	18349.5	[5.0000]	mg/L	15:30:20
1	Sr 407.771†	5707.9	5713.2	[0.0100]	mg/L	15:30:20
1	Y 371.029	3065997.7	3065997.7	0.980	mg/L	15:30:46
1	Ag 328.068†	10035.8	8197.4	[0.0500]	mg/L	15:30:49
1	Al 237.313†	5118.6	5368.1	[0.5000]	mg/L	15:30:59

1	As	188.979†	126.9	121.6	[0.1000]	mg/L	15:30:59
1	B	182.528†	74.5	82.7	[0.1000]	mg/L	15:30:59
1	Ba	233.527†	11058.8	11346.4	[0.1000]	mg/L	15:30:49
1	Be	313.107†	19573.6	20870.0	[0.0100]	mg/L	15:30:49
1	Ca	315.887†	145028.7	146392.1	[1.0000]	mg/L	15:30:49
1	Cd	228.802†	1929.2	1874.8	[0.0500]	mg/L	15:30:59
1	Co	228.616†	5770.1	5919.9	[0.1000]	mg/L	15:30:59
1	Cr	267.716†	12940.9	12563.7	[0.1000]	mg/L	15:30:49
1	Cu	324.752†	24826.8	23554.6	[0.1000]	mg/L	15:30:49
1	Fe	238.204†	80149.6	80885.7	[0.5000]	mg/L	15:30:49
1	Mg	279.077†	17682.1	17709.3	[1.0000]	mg/L	15:30:49
1	Mn	257.610†	89767.3	91005.2	[0.1000]	mg/L	15:30:49
1	Mo	202.031†	2497.8	2559.5	[0.1000]	mg/L	15:30:59
1	Ni	231.604†	4803.1	4889.4	[0.1000]	mg/L	15:30:59
1	P	214.914†	2590.8	2378.4	[1.0000]	mg/L	15:30:59
1	Pb	220.353†	1676.0	1695.7	[0.1000]	mg/L	15:30:59
1	Sb	206.836†	212.6	181.1	[0.1000]	mg/L	15:30:59
1	Se	196.026†	293.2	301.0	[0.2000]	mg/L	15:30:59
1	Sn	189.927†	754.3	772.1	[0.1000]	mg/L	15:30:59
1	Ti	337.279†	80472.7	83179.3	[0.1000]	mg/L	15:30:49
1	Tl	190.801†	192.9	189.0	[0.1000]	mg/L	15:30:59
1	V	292.402†	20116.4	21441.4	[0.1000]	mg/L	15:30:49
1	Zn	213.857†	16661.9	15907.7	[0.1000]	mg/L	15:30:49
2	B	249.677†	84.9	83.0	[0.1000]	mg/L	15:30:43
2	Fe	234.349†	307.3	307.7	[0.5000]	mg/L	15:30:43
2	K	766.490†	6851.6	6646.7	[5.0000]	mg/L	15:30:33
2	Li	670.784†	1543.2	1755.9	[0.1000]	mg/L	15:30:33
2	Na	589.592†	17767.3	18324.9	[5.0000]	mg/L	15:30:33
2	Sr	407.771†	5933.2	5913.1	[0.0100]	mg/L	15:30:33
2	Y	371.029	3081243.8	3081243.8	0.985	mg/L	15:31:01
2	Ag	328.068†	10046.6	8157.7	[0.0500]	mg/L	15:31:03
2	Al	237.313†	5059.4	5282.3	[0.5000]	mg/L	15:31:14
2	As	188.979†	135.2	129.4	[0.1000]	mg/L	15:31:14
2	B	182.528†	72.3	80.1	[0.1000]	mg/L	15:31:14
2	Ba	233.527†	10937.3	11167.2	[0.1000]	mg/L	15:31:03
2	Be	313.107†	19352.7	20547.0	[0.0100]	mg/L	15:31:03
2	Ca	315.887†	143757.9	144370.4	[1.0000]	mg/L	15:31:03
2	Cd	228.802†	1926.9	1862.7	[0.0500]	mg/L	15:31:14
2	Co	228.616†	5755.0	5875.4	[0.1000]	mg/L	15:31:14
2	Cr	267.716†	12896.1	12452.9	[0.1000]	mg/L	15:31:03
2	Cu	324.752†	24571.7	23170.4	[0.1000]	mg/L	15:31:03
2	Fe	238.204†	79446.5	79767.6	[0.5000]	mg/L	15:31:03
2	Mg	279.077†	17477.8	17412.7	[1.0000]	mg/L	15:31:03
2	Mn	257.610†	89189.9	89966.1	[0.1000]	mg/L	15:31:03
2	Mo	202.031†	2492.6	2541.6	[0.1000]	mg/L	15:31:14
2	Ni	231.604†	4821.3	4883.7	[0.1000]	mg/L	15:31:14
2	P	214.914†	2570.0	2344.2	[1.0000]	mg/L	15:31:14
2	Pb	220.353†	1677.9	1689.2	[0.1000]	mg/L	15:31:14
2	Sb	206.836†	212.0	179.5	[0.1000]	mg/L	15:31:14
2	Se	196.026†	295.5	301.8	[0.2000]	mg/L	15:31:14
2	Sn	189.927†	758.8	772.8	[0.1000]	mg/L	15:31:14
2	Ti	337.279†	79859.9	82151.3	[0.1000]	mg/L	15:31:03
2	Tl	190.801†	199.6	194.8	[0.1000]	mg/L	15:31:14
2	V	292.402†	20018.6	21240.6	[0.1000]	mg/L	15:31:03
2	Zn	213.857†	16403.3	15561.1	[0.1000]	mg/L	15:31:03

Mean Data: CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Y 371.029	3073620.7	10780.60	0.35%	0.983	mg/L	
Ag 328.068†	8177.6	28.07	0.34%	[0.0500]	mg/L	
Al 237.313†	5325.2	60.72	1.14%	[0.5000]	mg/L	
As 188.979†	125.5	5.49	4.38%	[0.1000]	mg/L	
B 182.528†	81.4	1.83	2.25%	[0.1000]	mg/L	
B 249.677†	81.7	1.86	2.27%	[0.1000]	mg/L	
Ba 233.527†	11256.8	126.65	1.13%	[0.1000]	mg/L	
Be 313.107†	20708.5	228.39	1.10%	[0.0100]	mg/L	
Ca 315.887†	145381.2	1429.60	0.98%	[1.0000]	mg/L	
Cd 228.802†	1868.7	8.55	0.46%	[0.0500]	mg/L	
Co 228.616†	5897.7	31.46	0.53%	[0.1000]	mg/L	
Cr 267.716†	12508.3	78.33	0.63%	[0.1000]	mg/L	
Cu 324.752†	23362.5	271.67	1.16%	[0.1000]	mg/L	

Fe 234.349†	310.4	3.82	1.23%	[0.5000]	mg/L
Fe 238.204†	80326.6	790.61	0.98%	[0.5000]	mg/L
K 766.490†	6653.1	8.93	0.13%	[5.0000]	mg/L
Li 670.784†	1724.8	43.89	2.54%	[0.1000]	mg/L
Mg 279.077†	17561.0	209.71	1.19%	[1.0000]	mg/L
Mn 257.610†	90485.6	734.75	0.81%	[0.1000]	mg/L
Mo 202.031†	2550.5	12.62	0.49%	[0.1000]	mg/L
Na 589.592†	18337.2	17.40	0.09%	[5.0000]	mg/L
Ni 231.604†	4886.5	4.03	0.08%	[0.1000]	mg/L
P 214.914†	2361.3	24.21	1.03%	[1.0000]	mg/L
Pb 220.353†	1692.5	4.59	0.27%	[0.1000]	mg/L
Sb 206.836†	180.3	1.17	0.65%	[0.1000]	mg/L
Se 196.026†	301.4	0.60	0.20%	[0.2000]	mg/L
Sn 189.927†	772.4	0.50	0.06%	[0.1000]	mg/L
Sr 407.771†	5813.1	141.36	2.43%	[0.0100]	mg/L
Ti 337.279†	82665.3	726.95	0.88%	[0.1000]	mg/L
Tl 190.801†	191.9	4.10	2.14%	[0.1000]	mg/L
V 292.402†	21341.0	142.00	0.67%	[0.1000]	mg/L
Zn 213.857†	15734.4	245.10	1.56%	[0.1000]	mg/L

```

Sequence No.: 3                               Autosampler Location: 3
Sample ID: CAL3                               Date Collected: 10/11/2012 3:32:51 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:

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Replicate Data: CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Analysis Time
1	B 249.677†	410.8	423.3	[0.5000] mg/L	15:34:42
1	Fe 234.349†	1530.6	1584.8	[2.5000] mg/L	15:34:42
1	K 766.490†	32345.1	33273.3	[25.000] mg/L	15:34:32
1	Li 670.784†	8090.1	8588.7	[0.5000] mg/L	15:34:42
1	Na 589.592†	87610.6	91249.0	[25.000] mg/L	15:34:32
1	Sr 407.771†	28179.1	29146.7	[0.0500] mg/L	15:34:32
1	Y 371.029	3012237.2	3012237.2	0.963 mg/L	15:35:00
1	Ag 328.068†	40786.8	40305.7	[0.2500] mg/L	15:35:00
1	Al 237.313†	25339.6	26454.7	[2.5000] mg/L	15:35:10
1	As 188.979†	625.6	641.7	[0.5000] mg/L	15:35:10
1	B 182.528†	412.2	434.6	[0.5000] mg/L	15:35:10
1	Ba 233.527†	53824.0	55946.4	[0.5000] mg/L	15:35:00
1	Be 313.107†	98934.0	103617.8	[0.0500] mg/L	15:35:00
1	Ca 315.887†	682243.3	706765.9	[5.0000] mg/L	15:35:00
1	Cd 228.802†	9156.1	9412.8	[0.2500] mg/L	15:35:10
1	Co 228.616†	28352.2	29469.6	[0.5000] mg/L	15:35:10
1	Cr 267.716†	60644.3	62324.7	[0.5000] mg/L	15:35:00
1	Cu 324.752†	111618.1	114113.0	[0.5000] mg/L	15:35:00
1	Fe 238.204†	383280.7	397054.0	[2.5000] mg/L	15:35:00
1	Mg 279.077†	83258.9	86112.7	[5.0000] mg/L	15:35:00
1	Mn 257.610†	417994.8	433403.6	[0.5000] mg/L	15:35:00
1	Mo 202.031†	12385.6	12870.5	[0.5000] mg/L	15:35:10
1	Ni 231.604†	23193.3	24069.4	[0.5000] mg/L	15:35:00
1	P 214.914†	12097.5	12295.3	[5.0000] mg/L	15:35:10
1	Pb 220.353†	8161.8	8459.7	[0.5000] mg/L	15:35:10
1	Sb 206.836†	887.3	885.5	[0.5000] mg/L	15:35:10
1	Se 196.026†	1519.8	1579.8	[1.0000] mg/L	15:35:10
1	Sn 189.927†	3702.0	3846.1	[0.5000] mg/L	15:35:10
1	Ti 337.279†	399522.9	415880.7	[0.5000] mg/L	15:35:00
1	Tl 190.801†	908.9	936.0	[0.5000] mg/L	15:35:10
1	V 292.402†	103266.4	108133.5	[0.5000] mg/L	15:35:00
1	Zn 213.857†	73272.5	74983.9	[0.5000] mg/L	15:35:00
2	B 249.677†	414.5	430.8	[0.5000] mg/L	15:34:55
2	Fe 234.349†	1533.3	1601.0	[2.5000] mg/L	15:34:55
2	K 766.490†	32233.4	33439.0	[25.000] mg/L	15:34:45
2	Li 670.784†	8106.9	8677.0	[0.5000] mg/L	15:34:55
2	Na 589.592†	87472.9	91870.6	[25.000] mg/L	15:34:45
2	Sr 407.771†	28197.2	29411.8	[0.0500] mg/L	15:34:45
2	Y 371.029	2987090.1	2987090.1	0.955 mg/L	15:35:14
2	Ag 328.068†	40424.5	40282.8	[0.2500] mg/L	15:35:14
2	Al 237.313†	25323.9	26659.7	[2.5000] mg/L	15:35:24
2	As 188.979†	604.4	624.9	[0.5000] mg/L	15:35:24

2	B 182.528†	411.9	437.9	[0.5000]	mg/L	15:35:24
2	Ba 233.527†	53246.0	55811.6	[0.5000]	mg/L	15:35:14
2	Be 313.107†	97170.2	102635.9	[0.0500]	mg/L	15:35:14
2	Ca 315.887†	670103.8	700019.5	[5.0000]	mg/L	15:35:14
2	Cd 228.802†	9193.8	9532.3	[0.2500]	mg/L	15:35:24
2	Co 228.616†	28424.4	29793.0	[0.5000]	mg/L	15:35:24
2	Cr 267.716†	59938.0	62115.3	[0.5000]	mg/L	15:35:14
2	Cu 324.752†	110298.7	113707.2	[0.5000]	mg/L	15:35:14
2	Fe 238.204†	377394.8	394241.9	[2.5000]	mg/L	15:35:14
2	Mg 279.077†	81831.8	85346.3	[5.0000]	mg/L	15:35:14
2	Mn 257.610†	411588.1	430349.5	[0.5000]	mg/L	15:35:14
2	Mo 202.031†	12394.2	12987.7	[0.5000]	mg/L	15:35:24
2	Ni 231.604†	22815.9	23877.1	[0.5000]	mg/L	15:35:14
2	P 214.914†	12119.9	12424.5	[5.0000]	mg/L	15:35:24
2	Pb 220.353†	8230.9	8603.5	[0.5000]	mg/L	15:35:24
2	Sb 206.836†	889.5	895.5	[0.5000]	mg/L	15:35:24
2	Se 196.026†	1523.5	1596.9	[1.0000]	mg/L	15:35:24
2	Sn 189.927†	3708.5	3885.2	[0.5000]	mg/L	15:35:24
2	Ti 337.279†	393937.3	413524.8	[0.5000]	mg/L	15:35:14
2	Tl 190.801†	900.2	934.7	[0.5000]	mg/L	15:35:24
2	V 292.402†	101674.0	107369.0	[0.5000]	mg/L	15:35:14
2	Zn 213.857†	71999.8	74291.9	[0.5000]	mg/L	15:35:14

Mean Data: CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Units	Calib
Y 371.029	2999663.6	17781.72	0.59%	0.959	mg/L	
Ag 328.068†	40294.2	16.18	0.04%	[0.2500]	mg/L	
Al 237.313†	26557.2	144.94	0.55%	[2.5000]	mg/L	
As 188.979†	633.3	11.86	1.87%	[0.5000]	mg/L	
B 182.528†	436.3	2.36	0.54%	[0.5000]	mg/L	
B 249.677†	427.1	5.29	1.24%	[0.5000]	mg/L	
Ba 233.527†	55879.0	95.31	0.17%	[0.5000]	mg/L	
Be 313.107†	103126.9	694.30	0.67%	[0.0500]	mg/L	
Ca 315.887†	703392.7	4770.44	0.68%	[5.0000]	mg/L	
Cd 228.802†	9472.5	84.49	0.89%	[0.2500]	mg/L	
Co 228.616†	29631.3	228.70	0.77%	[0.5000]	mg/L	
Cr 267.716†	62220.0	148.06	0.24%	[0.5000]	mg/L	
Cu 324.752†	113910.1	286.94	0.25%	[0.5000]	mg/L	
Fe 234.349†	1592.9	11.46	0.72%	[2.5000]	mg/L	
Fe 238.204†	395648.0	1988.49	0.50%	[2.5000]	mg/L	
K 766.490†	33356.2	117.20	0.35%	[25.000]	mg/L	
Li 670.784†	8632.8	62.42	0.72%	[0.5000]	mg/L	
Mg 279.077†	85729.5	541.95	0.63%	[5.0000]	mg/L	
Mn 257.610†	431876.5	2159.52	0.50%	[0.5000]	mg/L	
Mo 202.031†	12929.1	82.89	0.64%	[0.5000]	mg/L	
Na 589.592†	91559.8	439.52	0.48%	[25.000]	mg/L	
Ni 231.604†	23973.3	136.00	0.57%	[0.5000]	mg/L	
P 214.914†	12359.9	91.35	0.74%	[5.0000]	mg/L	
Pb 220.353†	8531.6	101.66	1.19%	[0.5000]	mg/L	
Sb 206.836†	890.5	7.11	0.80%	[0.5000]	mg/L	
Se 196.026†	1588.4	12.09	0.76%	[1.0000]	mg/L	
Sn 189.927†	3865.7	27.65	0.72%	[0.5000]	mg/L	
Sr 407.771†	29279.2	187.51	0.64%	[0.0500]	mg/L	
Ti 337.279†	414702.8	1665.91	0.40%	[0.5000]	mg/L	
Tl 190.801†	935.3	0.87	0.09%	[0.5000]	mg/L	
V 292.402†	107751.2	540.63	0.50%	[0.5000]	mg/L	
Zn 213.857†	74637.9	489.31	0.66%	[0.5000]	mg/L	

Sequence No.: 4
Sample ID: CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/11/2012 3:37:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Units	Analysis Time
1	B 249.677†	807.6	840.0	[1.0000]	mg/L	15:38:53
1	Fe 234.349†	3012.1	3140.2	[5.0000]	mg/L	15:38:53

1	K 766.490†	64473.7	66998.1	[50.000]	mg/L	15:38:43
1	Li 670.784†	16431.6	17342.9	[1.0000]	mg/L	15:38:43
1	Na 589.592†	173035.2	180926.9	[50.000]	mg/L	15:38:43
1	Sr 407.771†	55988.4	58338.6	[0.1000]	mg/L	15:38:43
1	Y 371.029	2995721.3	2995721.3	0.958	mg/L	15:39:12
1	Ag 328.068†	79271.2	80713.7	[0.5000]	mg/L	15:39:12
1	Al 237.313†	49572.1	51896.5	[5.0000]	mg/L	15:39:12
1	As 188.979†	1236.6	1283.0	[1.0000]	mg/L	15:39:22
1	B 182.528†	819.7	862.3	[1.0000]	mg/L	15:39:22
1	Ba 233.527†	106149.6	110878.1	[1.0000]	mg/L	15:39:12
1	Be 313.107†	198474.8	208096.7	[0.1000]	mg/L	15:39:12
1	Ca 315.887†	1353324.7	1411225.5	[10.000]	mg/L	15:39:12
1	Cd 228.802†	18184.4	18890.0	[0.5000]	mg/L	15:39:22
1	Co 228.616†	54873.5	57317.9	[1.0000]	mg/L	15:39:12
1	Cr 267.716†	119589.9	124206.2	[1.0000]	mg/L	15:39:12
1	Cu 324.752†	218835.4	226678.0	[1.0000]	mg/L	15:39:12
1	Fe 238.204†	753411.7	785634.7	[5.0000]	mg/L	15:39:12
1	Mg 279.077†	162946.6	169776.7	[10.000]	mg/L	15:39:12
1	Mn 257.610†	828514.3	864345.3	[1.0000]	mg/L	15:39:12
1	Mo 202.031†	24766.5	25866.0	[1.0000]	mg/L	15:39:22
1	Ni 231.604†	45319.2	47299.9	[1.0000]	mg/L	15:39:12
1	P 214.914†	23926.6	24713.2	[10.000]	mg/L	15:39:22
1	Pb 220.353†	16071.5	16763.6	[1.0000]	mg/L	15:39:22
1	Sb 206.836†	1736.0	1776.6	[1.0000]	mg/L	15:39:22
1	Se 196.026†	3027.3	3162.2	[2.0000]	mg/L	15:39:22
1	Sn 189.927†	7316.2	7640.2	[1.0000]	mg/L	15:39:22
1	Ti 337.279†	800057.2	836292.9	[1.0000]	mg/L	15:39:12
1	Tl 190.801†	1742.3	1811.2	[1.0000]	mg/L	15:39:22
1	V 292.402†	208268.7	218338.5	[1.0000]	mg/L	15:39:12
1	Zn 213.857†	143122.9	148321.4	[1.0000]	mg/L	15:39:12
2	B 249.677†	825.4	859.1	[1.0000]	mg/L	15:39:06
2	Fe 234.349†	3053.4	3185.8	[5.0000]	mg/L	15:39:06
2	K 766.490†	64605.3	67187.2	[50.000]	mg/L	15:38:56
2	Li 670.784†	16534.9	17463.9	[1.0000]	mg/L	15:38:56
2	Na 589.592†	173295.2	181337.0	[50.000]	mg/L	15:38:56
2	Sr 407.771†	56149.7	58551.9	[0.1000]	mg/L	15:38:56
2	Y 371.029	2993424.8	2993424.8	0.957	mg/L	15:39:26
2	Ag 328.068†	79108.8	80607.5	[0.5000]	mg/L	15:39:26
2	Al 237.313†	49527.3	51889.3	[5.0000]	mg/L	15:39:26
2	As 188.979†	1229.6	1276.8	[1.0000]	mg/L	15:39:36
2	B 182.528†	823.8	867.3	[1.0000]	mg/L	15:39:36
2	Ba 233.527†	105843.3	110643.1	[1.0000]	mg/L	15:39:26
2	Be 313.107†	197492.1	207229.0	[0.1000]	mg/L	15:39:26
2	Ca 315.887†	1346217.0	1404883.8	[10.000]	mg/L	15:39:26
2	Cd 228.802†	18091.2	18807.2	[0.5000]	mg/L	15:39:36
2	Co 228.616†	54772.5	57256.4	[1.0000]	mg/L	15:39:26
2	Cr 267.716†	119408.1	124112.1	[1.0000]	mg/L	15:39:26
2	Cu 324.752†	218177.4	226165.8	[1.0000]	mg/L	15:39:26
2	Fe 238.204†	750943.4	783659.4	[5.0000]	mg/L	15:39:26
2	Mg 279.077†	162147.8	169072.8	[10.000]	mg/L	15:39:26
2	Mn 257.610†	826216.7	862608.4	[1.0000]	mg/L	15:39:26
2	Mo 202.031†	24641.3	25755.0	[1.0000]	mg/L	15:39:36
2	Ni 231.604†	45305.1	47321.5	[1.0000]	mg/L	15:39:26
2	P 214.914†	23771.5	24570.3	[10.000]	mg/L	15:39:36
2	Pb 220.353†	15931.9	16630.6	[1.0000]	mg/L	15:39:36
2	Sb 206.836†	1720.8	1762.1	[1.0000]	mg/L	15:39:36
2	Se 196.026†	2996.8	3132.8	[2.0000]	mg/L	15:39:36
2	Sn 189.927†	7244.2	7570.8	[1.0000]	mg/L	15:39:36
2	Ti 337.279†	798321.8	835120.6	[1.0000]	mg/L	15:39:26
2	Tl 190.801†	1735.9	1805.8	[1.0000]	mg/L	15:39:36
2	V 292.402†	207644.1	217852.8	[1.0000]	mg/L	15:39:26
2	Zn 213.857†	142810.7	148109.9	[1.0000]	mg/L	15:39:26

Mean Data: CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	2994573.0	1623.87	0.05%	0.958	mg/L
Ag 328.068†	80660.6	75.09	0.09%	[0.5000]	mg/L
Al 237.313†	51892.9	5.06	0.01%	[5.0000]	mg/L
As 188.979†	1279.9	4.44	0.35%	[1.0000]	mg/L
B 182.528†	864.8	3.51	0.41%	[1.0000]	mg/L
B 249.677†	849.6	13.54	1.59%	[1.0000]	mg/L

Ba	233.527†	110760.6	166.19	0.15%	[1.0000]	mg/L
Be	313.107†	207662.9	613.56	0.30%	[0.1000]	mg/L
Ca	315.887†	1408054.7	4484.28	0.32%	[10.000]	mg/L
Cd	228.802†	18848.6	58.55	0.31%	[0.5000]	mg/L
Co	228.616†	57287.2	43.50	0.08%	[1.0000]	mg/L
Cr	267.716†	124159.2	66.54	0.05%	[1.0000]	mg/L
Cu	324.752†	226421.9	362.12	0.16%	[1.0000]	mg/L
Fe	234.349†	3163.0	32.25	1.02%	[5.0000]	mg/L
Fe	238.204†	784647.1	1396.76	0.18%	[5.0000]	mg/L
K	766.490†	67092.7	133.68	0.20%	[50.000]	mg/L
Li	670.784†	17403.4	85.58	0.49%	[1.0000]	mg/L
Mg	279.077†	169424.8	497.77	0.29%	[10.000]	mg/L
Mn	257.610†	863476.8	1228.13	0.14%	[1.0000]	mg/L
Mo	202.031†	25810.5	78.49	0.30%	[1.0000]	mg/L
Na	589.592†	181131.9	290.01	0.16%	[50.000]	mg/L
Ni	231.604†	47310.7	15.29	0.03%	[1.0000]	mg/L
P	214.914†	24641.8	101.07	0.41%	[10.000]	mg/L
Pb	220.353†	16697.1	94.02	0.56%	[1.0000]	mg/L
Sb	206.836†	1769.3	10.27	0.58%	[1.0000]	mg/L
Se	196.026†	3147.5	20.81	0.66%	[2.0000]	mg/L
Sn	189.927†	7605.5	49.05	0.64%	[1.0000]	mg/L
Sr	407.771†	58445.2	150.86	0.26%	[0.1000]	mg/L
Ti	337.279†	835706.7	828.94	0.10%	[1.0000]	mg/L
Tl	190.801†	1808.5	3.80	0.21%	[1.0000]	mg/L
V	292.402†	218095.6	343.45	0.16%	[1.0000]	mg/L
Zn	213.857†	148215.6	149.54	0.10%	[1.0000]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	3	Lin, Calc Int	42.8	161200	0.00000	0.999999	
Al 237.313	3	Lin, Calc Int	173.6	10390	0.00000	0.999925	
As 188.979	3	Lin, Calc Int	-2.3	1280	0.00000	0.999985	
B 182.528	3	Lin, Calc Int	-1.5	867.9	0.00000	0.999963	
B 249.677	3	Lin, Calc Int	-1.0	851.5	0.00000	0.999985	
Ba 233.527	3	Lin, Calc Int	172.7	110800	0.00000	0.999989	
Be 313.107	3	Lin, Calc Int	-156.3	2076000	0.00000	0.999993	
Ca 315.887	3	Lin, Calc Int	1911.9	140600	0.00000	0.999994	
Cd 228.802	3	Lin, Calc Int	1.8	37730	0.00000	0.999995	
Co 228.616	3	Lin, Calc Int	258.1	57360	0.00000	0.999837	
Cr 267.716	3	Lin, Calc Int	67.0	124100	0.00000	0.999999	
Cu 324.752	3	Lin, Calc Int	449.2	226200	0.00000	0.999993	
Fe 234.349	3	Lin, Calc Int	-0.5	633.5	0.00000	0.999988	
Fe 238.204	3	Lin, Calc Int	1442.5	156900	0.00000	0.999990	
K 766.490	3	Lin, Calc Int	-60.2	1342	0.00000	0.999996	
Li 670.784	3	Lin, Calc Int	-19.6	17400	0.00000	0.999991	
Mg 279.077	3	Lin, Calc Int	463.0	16930	0.00000	0.999979	
Mn 257.610	3	Lin, Calc Int	1861.0	861500	0.00000	0.999989	
Mo 202.031	3	Lin, Calc Int	-9.1	25830	0.00000	0.999998	
Na 589.592	3	Lin, Calc Int	283.7	3624	0.00000	0.999984	
Ni 231.604	3	Lin, Calc Int	127.9	47290	0.00000	0.999975	
P 214.914	3	Lin, Calc Int	-38.4	2470	0.00000	0.999988	
Pb 220.353	3	Lin, Calc Int	44.1	16720	0.00000	0.999933	
Sb 206.836	3	Lin, Calc Int	2.6	1769	0.00000	0.999994	
Se 196.026	3	Lin, Calc Int	-3.2	1578	0.00000	0.999972	
Sn 189.927	3	Lin, Calc Int	16.9	7610	0.00000	0.999963	
Sr 407.771	3	Lin, Calc Int	-3.4	584700	0.00000	0.999999	
Ti 337.279	3	Lin, Calc Int	-986.0	835600	0.00000	0.999992	
Tl 190.801	3	Lin, Calc Int	10.7	1808	0.00000	0.999841	
V 292.402	3	Lin, Calc Int	-448.3	218100	0.00000	0.999981	
Zn 213.857	3	Lin, Calc Int	503.2	147900	0.00000	0.999981	

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Sequence No.: 5	Autosampler Location: 3
Sample ID: ICV1	Date Collected: 10/11/2012 3:41:14 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Repl#	Analyte	Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	399.3	417.3	0.4904 mg/L	0.4904 mg/L	15:43:07
1	Fe 234.349†	1460.1	1533.1	2.409 mg/L	2.409 mg/L	15:43:07
1	K 766.490†	31352.1	32703.2	24.42 mg/L	24.42 mg/L	15:42:57
1	Li 670.784†	7883.6	8490.1	0.4891 mg/L	0.4891 mg/L	15:43:07
1	Na 589.592†	84691.2	89462.9	24.61 mg/L	24.61 mg/L	15:42:57
1	Sr 407.771†	26928.1	28243.6	0.0483 mg/L	0.0483 mg/L	15:42:57
1	Y 371.029	2970188.0	2970188.0	0.950 mg/L		15:43:25
1	Ag 328.068†	39510.3	39561.1	0.2454 mg/L	0.2454 mg/L	15:43:25
1	Al 237.313†	24384.3	25821.3	2.475 mg/L	2.475 mg/L	15:43:35
1	As 188.979†	592.8	616.3	0.4835 mg/L	0.4835 mg/L	15:43:35
1	B 182.528†	387.0	414.2	0.4790 mg/L	0.4790 mg/L	15:43:35
1	Ba 233.527†	52067.4	54887.9	0.4938 mg/L	0.4938 mg/L	15:43:25
1	Be 313.107†	96029.7	102014.1	0.0493 mg/L	0.0493 mg/L	15:43:25
1	Ca 315.887†	658392.6	691681.1	4.909 mg/L	4.909 mg/L	15:43:25
1	Cd 228.802†	8851.8	9227.0	0.2424 mg/L	0.2424 mg/L	15:43:35
1	Co 228.616†	27231.8	28706.6	0.4952 mg/L	0.4952 mg/L	15:43:35
1	Cr 267.716†	58682.2	61150.1	0.4927 mg/L	0.4927 mg/L	15:43:25
1	Cu 324.752†	108944.6	112938.6	0.4977 mg/L	0.4977 mg/L	15:43:25
1	Fe 238.204†	369589.1	388271.7	2.467 mg/L	2.467 mg/L	15:43:25
1	Mg 279.077†	79843.0	83739.9	4.921 mg/L	4.921 mg/L	15:43:25
1	Mn 257.610†	404553.4	425394.8	0.4918 mg/L	0.4918 mg/L	15:43:25
1	Mo 202.031†	11940.6	12583.9	0.4864 mg/L	0.4864 mg/L	15:43:35
1	Ni 231.604†	22312.1	23482.5	0.4947 mg/L	0.4947 mg/L	15:43:25
1	P 214.914†	11530.3	11875.9	4.818 mg/L	4.818 mg/L	15:43:35
1	Pb 220.353†	7789.5	8187.8	0.4855 mg/L	0.4855 mg/L	15:43:35
1	Sb 206.836†	857.5	867.1	0.4882 mg/L	0.4882 mg/L	15:43:35
1	Se 196.026†	1432.6	1510.3	0.9601 mg/L	0.9601 mg/L	15:43:35
1	Sn 189.927†	3531.8	3721.2	0.4938 mg/L	0.4938 mg/L	15:43:35
1	Ti 337.279†	389335.4	411026.5	0.4931 mg/L	0.4931 mg/L	15:43:25
1	Tl 190.801†	866.0	904.1	0.4890 mg/L	0.4890 mg/L	15:43:35
1	V 292.402†	100105.0	106322.7	0.4951 mg/L	0.4951 mg/L	15:43:25
1	Zn 213.857†	70458.2	73097.7	0.4874 mg/L	0.4874 mg/L	15:43:25
2	B 249.677†	401.9	423.5	0.4976 mg/L	0.4976 mg/L	15:43:20
2	Fe 234.349†	1463.8	1549.6	2.435 mg/L	2.435 mg/L	15:43:20
2	K 766.490†	31770.6	33418.1	24.95 mg/L	24.95 mg/L	15:43:10
2	Li 670.784†	7896.3	8571.6	0.4938 mg/L	0.4938 mg/L	15:43:20
2	Na 589.592†	85741.4	91308.8	25.12 mg/L	25.12 mg/L	15:43:10
2	Sr 407.771†	27441.4	29020.9	0.0496 mg/L	0.0496 mg/L	15:43:10
2	Y 371.029	2946034.7	2946034.7	0.942 mg/L		15:43:39
2	Ag 328.068†	39303.4	39682.5	0.2462 mg/L	0.2462 mg/L	15:43:39
2	Al 237.313†	24522.4	26178.3	2.509 mg/L	2.509 mg/L	15:43:49
2	As 188.979†	603.1	632.4	0.4961 mg/L	0.4961 mg/L	15:43:49
2	B 182.528†	395.8	426.8	0.4935 mg/L	0.4935 mg/L	15:43:49
2	Ba 233.527†	51782.7	55035.2	0.4951 mg/L	0.4951 mg/L	15:43:39
2	Be 313.107†	94962.9	101710.6	0.0491 mg/L	0.0491 mg/L	15:43:39
2	Ca 315.887†	652016.0	690595.6	4.902 mg/L	4.902 mg/L	15:43:39
2	Cd 228.802†	8898.4	9352.9	0.2456 mg/L	0.2456 mg/L	15:43:49
2	Co 228.616†	27461.6	29185.7	0.5036 mg/L	0.5036 mg/L	15:43:49
2	Cr 267.716†	58116.7	61056.4	0.4919 mg/L	0.4919 mg/L	15:43:39
2	Cu 324.752†	108136.6	113021.3	0.4981 mg/L	0.4981 mg/L	15:43:39
2	Fe 238.204†	366371.2	388046.1	2.465 mg/L	2.465 mg/L	15:43:39
2	Mg 279.077†	79025.5	83561.2	4.910 mg/L	4.910 mg/L	15:43:39
2	Mn 257.610†	400931.8	425042.6	0.4913 mg/L	0.4913 mg/L	15:43:39
2	Mo 202.031†	12051.8	12805.1	0.4950 mg/L	0.4950 mg/L	15:43:49
2	Ni 231.604†	22111.7	23462.4	0.4943 mg/L	0.4943 mg/L	15:43:39
2	P 214.914†	11582.9	12031.4	4.880 mg/L	4.880 mg/L	15:43:49
2	Pb 220.353†	7864.4	8334.5	0.4943 mg/L	0.4943 mg/L	15:43:49
2	Sb 206.836†	858.3	875.4	0.4929 mg/L	0.4929 mg/L	15:43:49
2	Se 196.026†	1456.3	1547.8	0.9838 mg/L	0.9838 mg/L	15:43:49
2	Sn 189.927†	3566.9	3789.0	0.5028 mg/L	0.5028 mg/L	15:43:49
2	Ti 337.279†	386230.5	411091.4	0.4931 mg/L	0.4931 mg/L	15:43:39
2	Tl 190.801†	872.8	918.8	0.4971 mg/L	0.4971 mg/L	15:43:49
2	V 292.402†	99622.4	106674.6	0.4968 mg/L	0.4968 mg/L	15:43:39
2	Zn 213.857†	69749.4	72953.5	0.4864 mg/L	0.4864 mg/L	15:43:39

Mean Data: ICV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2958111.4	0.946 mg/L	0.0055			0.58%
Ag 328.068†	39621.8	0.2458 mg/L	0.00053	0.2458 mg/L	0.00053	0.22%

QC value within limits for Ag 328.068 Recovery = 98.32%

Al	237.313†	25999.8	2.492 mg/L	0.0243	2.492 mg/L	0.0243	0.98%
	QC value within limits for Al	237.313	Recovery =	99.68%			
As	188.979†	624.3	0.4898 mg/L	0.00890	0.4898 mg/L	0.00890	1.82%
	QC value within limits for As	188.979	Recovery =	97.96%			
B	182.528†	420.5	0.4863 mg/L	0.01029	0.4863 mg/L	0.01029	2.12%
	QC value within limits for B	182.528	Recovery =	97.25%			
B	249.677†	420.4	0.4940 mg/L	0.00511	0.4940 mg/L	0.00511	1.03%
	QC value within limits for B	249.677	Recovery =	98.80%			
Ba	233.527†	54961.6	0.4944 mg/L	0.00094	0.4944 mg/L	0.00094	0.19%
	QC value within limits for Ba	233.527	Recovery =	98.89%			
Be	313.107†	101862.4	0.0492 mg/L	0.00010	0.0492 mg/L	0.00010	0.21%
	QC value within limits for Be	313.107	Recovery =	98.39%			
Ca	315.887†	691138.3	4.906 mg/L	0.0055	4.906 mg/L	0.0055	0.11%
	QC value within limits for Ca	315.887	Recovery =	98.11%			
Cd	228.802†	9289.9	0.2440 mg/L	0.00232	0.2440 mg/L	0.00232	0.95%
	QC value within limits for Cd	228.802	Recovery =	97.60%			
Co	228.616†	28946.2	0.4994 mg/L	0.00591	0.4994 mg/L	0.00591	1.18%
	QC value within limits for Co	228.616	Recovery =	99.88%			
Cr	267.716†	61103.3	0.4923 mg/L	0.00053	0.4923 mg/L	0.00053	0.11%
	QC value within limits for Cr	267.716	Recovery =	98.46%			
Cu	324.752†	112979.9	0.4979 mg/L	0.00026	0.4979 mg/L	0.00026	0.05%
	QC value within limits for Cu	324.752	Recovery =	99.58%			
Fe	234.349†	1541.3	2.422 mg/L	0.0185	2.422 mg/L	0.0185	0.76%
	QC value within limits for Fe	234.349	Recovery =	96.89%			
Fe	238.204†	388158.9	2.466 mg/L	0.0010	2.466 mg/L	0.0010	0.04%
	QC value within limits for Fe	238.204	Recovery =	98.64%			
K	766.490†	33060.6	24.68 mg/L	0.377	24.68 mg/L	0.377	1.53%
	QC value within limits for K	766.490	Recovery =	98.74%			
Li	670.784†	8530.9	0.4914 mg/L	0.00331	0.4914 mg/L	0.00331	0.67%
	QC value within limits for Li	670.784	Recovery =	98.28%			
Mg	279.077†	83650.6	4.916 mg/L	0.0075	4.916 mg/L	0.0075	0.15%
	QC value within limits for Mg	279.077	Recovery =	98.31%			
Mn	257.610†	425218.7	0.4916 mg/L	0.00029	0.4916 mg/L	0.00029	0.06%
	QC value within limits for Mn	257.610	Recovery =	98.31%			
Mo	202.031†	12694.5	0.4907 mg/L	0.00605	0.4907 mg/L	0.00605	1.23%
	QC value within limits for Mo	202.031	Recovery =	98.14%			
Na	589.592†	90385.8	24.86 mg/L	0.360	24.86 mg/L	0.360	1.45%
	QC value within limits for Na	589.592	Recovery =	99.46%			
Ni	231.604†	23472.5	0.4945 mg/L	0.00029	0.4945 mg/L	0.00029	0.06%
	QC value within limits for Ni	231.604	Recovery =	98.89%			
P	214.914†	11953.6	4.849 mg/L	0.0445	4.849 mg/L	0.0445	0.92%
	QC value within limits for P	214.914	Recovery =	96.98%			
Pb	220.353†	8261.1	0.4899 mg/L	0.00620	0.4899 mg/L	0.00620	1.27%
	QC value within limits for Pb	220.353	Recovery =	97.98%			
Sb	206.836†	871.3	0.4906 mg/L	0.00330	0.4906 mg/L	0.00330	0.67%
	QC value within limits for Sb	206.836	Recovery =	98.11%			
Se	196.026†	1529.0	0.9719 mg/L	0.01682	0.9719 mg/L	0.01682	1.73%
	QC value within limits for Se	196.026	Recovery =	97.19%			
Sn	189.927†	3755.1	0.4983 mg/L	0.00635	0.4983 mg/L	0.00635	1.28%
	QC value within limits for Sn	189.927	Recovery =	99.67%			
Sr	407.771†	28632.3	0.0490 mg/L	0.00094	0.0490 mg/L	0.00094	1.92%
	QC value within limits for Sr	407.771	Recovery =	97.95%			
Ti	337.279†	411058.9	0.4931 mg/L	0.00005	0.4931 mg/L	0.00005	0.01%
	QC value within limits for Ti	337.279	Recovery =	98.62%			
Tl	190.801†	911.4	0.4931 mg/L	0.00568	0.4931 mg/L	0.00568	1.15%
	QC value within limits for Tl	190.801	Recovery =	98.61%			
V	292.402†	106498.7	0.4960 mg/L	0.00118	0.4960 mg/L	0.00118	0.24%
	QC value within limits for V	292.402	Recovery =	99.19%			
Zn	213.857†	73025.6	0.4869 mg/L	0.00069	0.4869 mg/L	0.00069	0.14%
	QC value within limits for Zn	213.857	Recovery =	97.37%			

All analyte(s) passed QC.

Sequence No.: 6	Autosampler Location: 5
Sample ID: SCV1	Date Collected: 10/11/2012 3:45:28 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
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1	B 249.677†	375.6	393.7	0.4626 mg/L	0.4626 mg/L	15:47:21
1	Fe 234.349†	1348.5	1420.5	2.232 mg/L	2.232 mg/L	15:47:21
1	K 766.490†	31156.0	32610.5	24.35 mg/L	24.35 mg/L	15:47:11
1	Li 670.784†	7663.6	8286.5	0.4774 mg/L	0.4774 mg/L	15:47:21
1	Na 589.592†	82605.4	87568.6	24.09 mg/L	24.09 mg/L	15:47:11
1	Sr 407.771†	25817.2	27168.3	0.0465 mg/L	0.0465 mg/L	15:47:11
1	Y 371.029	2959915.5	2959915.5	0.946 mg/L		15:47:39
1	Ag 328.068†	39512.9	39708.2	0.2463 mg/L	0.2463 mg/L	15:47:39
1	Al 237.313†	23567.4	25047.3	2.400 mg/L	2.400 mg/L	15:47:49
1	As 188.979†	576.3	601.0	0.4715 mg/L	0.4715 mg/L	15:47:49
1	B 182.528†	394.1	423.0	0.4892 mg/L	0.4892 mg/L	15:47:49
1	Ba 233.527†	52162.4	55178.6	0.4964 mg/L	0.4964 mg/L	15:47:39
1	Be 313.107†	95444.5	101746.7	0.0491 mg/L	0.0491 mg/L	15:47:39
1	Ca 315.887†	642662.4	677467.2	4.808 mg/L	4.808 mg/L	15:47:39
1	Cd 228.802†	8798.3	9202.9	0.2418 mg/L	0.2418 mg/L	15:47:49
1	Co 228.616†	26981.8	28542.0	0.4923 mg/L	0.4923 mg/L	15:47:49
1	Cr 267.716†	58790.5	61479.0	0.4953 mg/L	0.4953 mg/L	15:47:39
1	Cu 324.752†	109481.8	113904.2	0.5020 mg/L	0.5020 mg/L	15:47:39
1	Fe 238.204†	367284.4	387187.2	2.460 mg/L	2.460 mg/L	15:47:39
1	Mg 279.077†	78742.5	82868.9	4.869 mg/L	4.869 mg/L	15:47:39
1	Mn 257.610†	403607.9	425874.1	0.4923 mg/L	0.4923 mg/L	15:47:39
1	Mo 202.031†	11803.1	12482.4	0.4825 mg/L	0.4825 mg/L	15:47:49
1	Ni 231.604†	22288.4	23539.1	0.4959 mg/L	0.4959 mg/L	15:47:39
1	P 214.914†	11326.5	11702.8	4.747 mg/L	4.747 mg/L	15:47:49
1	Pb 220.353†	7759.9	8184.9	0.4854 mg/L	0.4854 mg/L	15:47:49
1	Sb 206.836†	834.9	846.4	0.4766 mg/L	0.4766 mg/L	15:47:49
1	Se 196.026†	1417.4	1499.5	0.9531 mg/L	0.9531 mg/L	15:47:49
1	Sn 189.927†	3499.4	3700.0	0.4905 mg/L	0.4905 mg/L	15:47:49
1	Ti 337.279†	394922.2	418351.8	0.5018 mg/L	0.5018 mg/L	15:47:39
1	Tl 190.801†	882.3	924.5	0.5004 mg/L	0.5004 mg/L	15:47:49
1	V 292.402†	99582.9	106136.9	0.4943 mg/L	0.4943 mg/L	15:47:39
1	Zn 213.857†	71511.6	74468.1	0.4966 mg/L	0.4966 mg/L	15:47:39
2	B 249.677†	380.1	402.1	0.4725 mg/L	0.4725 mg/L	15:47:34
2	Fe 234.349†	1346.9	1431.6	2.249 mg/L	2.249 mg/L	15:47:34
2	K 766.490†	31127.0	32876.0	24.55 mg/L	24.55 mg/L	15:47:24
2	Li 670.784†	7636.1	8330.1	0.4799 mg/L	0.4799 mg/L	15:47:34
2	Na 589.592†	82500.9	88242.9	24.27 mg/L	24.27 mg/L	15:47:24
2	Sr 407.771†	25785.5	27380.1	0.0468 mg/L	0.0468 mg/L	15:47:24
2	Y 371.029	2933506.6	2933506.6	0.938 mg/L		15:47:53
2	Ag 328.068†	39529.1	40101.3	0.2488 mg/L	0.2488 mg/L	15:47:53
2	Al 237.313†	23548.5	25251.3	2.420 mg/L	2.420 mg/L	15:48:03
2	As 188.979†	580.6	611.1	0.4794 mg/L	0.4794 mg/L	15:48:03
2	B 182.528†	387.3	419.6	0.4852 mg/L	0.4852 mg/L	15:48:03
2	Ba 233.527†	51561.6	55034.2	0.4951 mg/L	0.4951 mg/L	15:47:53
2	Be 313.107†	94269.7	101402.1	0.0490 mg/L	0.0490 mg/L	15:47:53
2	Ca 315.887†	636153.5	676641.1	4.802 mg/L	4.802 mg/L	15:47:53
2	Cd 228.802†	8815.6	9304.9	0.2444 mg/L	0.2444 mg/L	15:48:03
2	Co 228.616†	26991.9	28809.4	0.4970 mg/L	0.4970 mg/L	15:48:03
2	Cr 267.716†	58303.9	61519.5	0.4956 mg/L	0.4956 mg/L	15:47:53
2	Cu 324.752†	108434.1	113828.7	0.5017 mg/L	0.5017 mg/L	15:47:53
2	Fe 238.204†	363230.0	386358.4	2.455 mg/L	2.455 mg/L	15:47:53
2	Mg 279.077†	78100.4	82933.3	4.873 mg/L	4.873 mg/L	15:47:53
2	Mn 257.610†	399863.4	425721.3	0.4921 mg/L	0.4921 mg/L	15:47:53
2	Mo 202.031†	11786.5	12576.8	0.4862 mg/L	0.4862 mg/L	15:48:03
2	Ni 231.604†	21922.1	23360.5	0.4921 mg/L	0.4921 mg/L	15:47:53
2	P 214.914†	11292.8	11774.5	4.776 mg/L	4.776 mg/L	15:48:03
2	Pb 220.353†	7695.1	8189.6	0.4857 mg/L	0.4857 mg/L	15:48:03
2	Sb 206.836†	836.2	855.8	0.4819 mg/L	0.4819 mg/L	15:48:03
2	Se 196.026†	1424.9	1520.9	0.9667 mg/L	0.9667 mg/L	15:48:03
2	Sn 189.927†	3521.9	3757.2	0.4981 mg/L	0.4981 mg/L	15:48:03
2	Ti 337.279†	391277.9	418223.2	0.5017 mg/L	0.5017 mg/L	15:47:53
2	Tl 190.801†	875.9	926.0	0.5012 mg/L	0.5012 mg/L	15:48:03
2	V 292.402†	98696.4	106139.1	0.4943 mg/L	0.4943 mg/L	15:47:53
2	Zn 213.857†	70637.1	74216.0	0.4949 mg/L	0.4949 mg/L	15:47:53

Mean Data: SCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2946711.1	0.942 mg/L	0.0060			0.63%
Ag 328.068†	39904.8	0.2475 mg/L	0.00173	0.2475 mg/L	0.00173	0.70%
QC value within limits for Ag 328.068 Recovery = 99.02%						
Al 237.313†	25149.3	2.410 mg/L	0.0139	2.410 mg/L	0.0139	0.58%

1	Fe 234.349†	-4.2	-8.5	-0.0126	mg/L	-0.0126	mg/L	15:51:42
1	K 766.490†	252.1	-44.6	0.0116	mg/L	0.0116	mg/L	15:51:32
1	Li 670.784†	-170.9	11.5	0.0018	mg/L	0.0018	mg/L	15:51:32
1	Na 589.592†	-349.3	-71.9	-0.0981	mg/L	-0.0981	mg/L	15:51:32
1	Sr 407.771†	77.5	-28.1	0.0000	mg/L	0.0000	mg/L	15:51:32
1	Y 371.029	3001397.9	3001397.9	0.960	mg/L			15:52:06
1	Ag 328.068†	1880.6	-79.6	-0.0008	mg/L	-0.0008	mg/L	15:52:09
1	Al 237.313†	-227.5	-89.8	-0.0254	mg/L	-0.0254	mg/L	15:52:09
1	As 188.979†	8.4	0.9	0.0025	mg/L	0.0025	mg/L	15:52:19
1	B 182.528†	-4.7	1.8	0.0039	mg/L	0.0039	mg/L	15:52:19
1	Ba 233.527†	-57.8	6.3	-0.0015	mg/L	-0.0015	mg/L	15:52:19
1	Be 313.107†	-839.7	30.1	0.0001	mg/L	0.0001	mg/L	15:52:09
1	Ca 315.887†	564.8	-947.4	-0.0203	mg/L	-0.0203	mg/L	15:52:09
1	Cd 228.802†	91.1	1.9	0.0000	mg/L	0.0000	mg/L	15:52:19
1	Co 228.616†	-29.5	3.7	-0.0044	mg/L	-0.0044	mg/L	15:52:19
1	Cr 267.716†	600.5	-10.2	-0.0006	mg/L	-0.0006	mg/L	15:52:09
1	Cu 324.752†	1727.0	31.0	-0.0018	mg/L	-0.0018	mg/L	15:52:09
1	Fe 238.204†	412.9	-435.9	-0.0120	mg/L	-0.0120	mg/L	15:52:19
1	Mg 279.077†	187.5	-130.9	-0.0351	mg/L	-0.0351	mg/L	15:52:09
1	Mn 257.610†	649.0	119.6	-0.0020	mg/L	-0.0020	mg/L	15:52:09
1	Mo 202.031†	7.3	19.4	0.0011	mg/L	0.0011	mg/L	15:52:19
1	Ni 231.604†	12.4	3.2	-0.0026	mg/L	-0.0026	mg/L	15:52:19
1	P 214.914†	265.9	12.8	0.0207	mg/L	0.0207	mg/L	15:52:19
1	Pb 220.353†	-12.1	-26.4	-0.0042	mg/L	-0.0042	mg/L	15:52:19
1	Sb 206.836†	40.8	6.8	0.0024	mg/L	0.0024	mg/L	15:52:19
1	Se 196.026†	3.1	5.2	0.0053	mg/L	0.0053	mg/L	15:52:19
1	Sn 189.927†	-20.2	-18.3	-0.0047	mg/L	-0.0047	mg/L	15:52:19
1	Ti 337.279†	-1170.4	-121.6	0.0010	mg/L	0.0010	mg/L	15:52:09
1	Tl 190.801†	5.3	-2.2	-0.0071	mg/L	-0.0071	mg/L	15:52:19
1	V 292.402†	-901.1	-16.0	0.0020	mg/L	0.0020	mg/L	15:52:09
1	Zn 213.857†	1082.0	40.1	-0.0031	mg/L	-0.0031	mg/L	15:52:19
2	B 249.677†	10.8	8.0	0.0106	mg/L	0.0106	mg/L	15:52:03
2	Fe 234.349†	-4.1	-8.4	-0.0124	mg/L	-0.0124	mg/L	15:52:03
2	K 766.490†	279.4	-20.0	0.0300	mg/L	0.0300	mg/L	15:51:53
2	Li 670.784†	-162.1	22.9	0.0024	mg/L	0.0024	mg/L	15:51:53
2	Na 589.592†	-356.5	-74.4	-0.0988	mg/L	-0.0988	mg/L	15:51:53
2	Sr 407.771†	93.1	-13.1	0.0000	mg/L	0.0000	mg/L	15:51:53
2	Y 371.029	3041912.6	3041912.6	0.973	mg/L			15:52:21
2	Ag 328.068†	1928.5	-56.4	-0.0006	mg/L	-0.0006	mg/L	15:52:23
2	Al 237.313†	-180.8	-38.7	-0.0205	mg/L	-0.0205	mg/L	15:52:23
2	As 188.979†	6.6	-1.0	0.0010	mg/L	0.0010	mg/L	15:52:34
2	B 182.528†	0.1	6.8	0.0096	mg/L	0.0096	mg/L	15:52:34
2	Ba 233.527†	-82.7	-18.5	-0.0017	mg/L	-0.0017	mg/L	15:52:34
2	Be 313.107†	-802.0	80.5	0.0001	mg/L	0.0001	mg/L	15:52:23
2	Ca 315.887†	631.9	-886.3	-0.0199	mg/L	-0.0199	mg/L	15:52:23
2	Cd 228.802†	88.9	-1.6	-0.0001	mg/L	-0.0001	mg/L	15:52:34
2	Co 228.616†	-19.7	14.2	-0.0043	mg/L	-0.0043	mg/L	15:52:34
2	Cr 267.716†	629.1	10.8	-0.0005	mg/L	-0.0005	mg/L	15:52:23
2	Cu 324.752†	1758.0	38.9	-0.0018	mg/L	-0.0018	mg/L	15:52:23
2	Fe 238.204†	372.1	-483.6	-0.0123	mg/L	-0.0123	mg/L	15:52:34
2	Mg 279.077†	211.9	-108.4	-0.0338	mg/L	-0.0338	mg/L	15:52:23
2	Mn 257.610†	653.3	114.9	-0.0020	mg/L	-0.0020	mg/L	15:52:23
2	Mo 202.031†	-1.8	9.9	0.0007	mg/L	0.0007	mg/L	15:52:34
2	Ni 231.604†	16.4	7.2	-0.0026	mg/L	-0.0026	mg/L	15:52:34
2	P 214.914†	252.1	-5.0	0.0135	mg/L	0.0135	mg/L	15:52:34
2	Pb 220.353†	15.0	1.7	-0.0025	mg/L	-0.0025	mg/L	15:52:34
2	Sb 206.836†	34.0	-0.7	-0.0019	mg/L	-0.0019	mg/L	15:52:34
2	Se 196.026†	8.2	10.4	0.0086	mg/L	0.0086	mg/L	15:52:34
2	Sn 189.927†	-2.6	-0.0	-0.0023	mg/L	-0.0023	mg/L	15:52:34
2	Ti 337.279†	-1061.2	6.9	0.0012	mg/L	0.0012	mg/L	15:52:23
2	Tl 190.801†	6.9	-0.6	-0.0062	mg/L	-0.0062	mg/L	15:52:34
2	V 292.402†	-907.7	-10.3	0.0020	mg/L	0.0020	mg/L	15:52:23
2	Zn 213.857†	1074.1	17.0	-0.0033	mg/L	-0.0033	mg/L	15:52:34

Mean Data: ICB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3021655.2	0.966 mg/L	0.0092			0.95%
Ag 328.068†	-68.0	-0.0007 mg/L	0.00010	-0.0007 mg/L	0.00010	14.78%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-64.3	-0.0229 mg/L	0.00348	-0.0229 mg/L	0.00348	15.19%
QC value within limits for Al 237.313 Recovery = Not calculated						

1	K 766.490†	3453.3	3284.0	2.492 mg/L	2.492 mg/L	15:56:00
1	Li 670.784†	654.1	869.8	0.0511 mg/L	0.0511 mg/L	15:56:00
1	Na 589.592†	8349.7	8975.2	2.399 mg/L	2.399 mg/L	15:56:00
1	Sr 407.771†	2819.7	2823.5	0.0048 mg/L	0.0048 mg/L	15:56:00
1	Y 371.029	3007218.8	3007218.8	0.962 mg/L		15:56:34
1	Ag 328.068†	5973.5	4173.0	0.0256 mg/L	0.0256 mg/L	15:56:37
1	Al 237.313†	2432.4	2676.7	0.2415 mg/L	0.2415 mg/L	15:56:37
1	As 188.979†	65.2	60.0	0.0487 mg/L	0.0487 mg/L	15:56:47
1	B 182.528†	32.6	40.5	0.0485 mg/L	0.0485 mg/L	15:56:47
1	Ba 233.527†	5390.5	5672.2	0.0496 mg/L	0.0496 mg/L	15:56:37
1	Be 313.107†	9004.5	10269.1	0.0050 mg/L	0.0050 mg/L	15:56:37
1	Ca 315.887†	70943.1	72239.8	0.5006 mg/L	0.5006 mg/L	15:56:37
1	Cd 228.802†	985.0	931.3	0.0244 mg/L	0.0244 mg/L	15:56:47
1	Co 228.616†	2834.4	2982.0	0.0474 mg/L	0.0474 mg/L	15:56:47
1	Cr 267.716†	6654.3	6284.0	0.0501 mg/L	0.0501 mg/L	15:56:37
1	Cu 324.752†	13038.4	11790.6	0.0502 mg/L	0.0502 mg/L	15:56:37
1	Fe 238.204†	39377.4	40083.5	0.2464 mg/L	0.2464 mg/L	15:56:37
1	Mg 279.077†	8809.4	8834.9	0.4947 mg/L	0.4947 mg/L	15:56:37
1	Mn 257.610†	45029.7	46271.0	0.0516 mg/L	0.0516 mg/L	15:56:37
1	Mo 202.031†	1234.8	1295.9	0.0504 mg/L	0.0504 mg/L	15:56:47
1	Ni 231.604†	2345.5	2429.5	0.0488 mg/L	0.0488 mg/L	15:56:37
1	P 214.914†	1366.2	1156.6	0.4831 mg/L	0.4831 mg/L	15:56:47
1	Pb 220.353†	802.1	820.4	0.0463 mg/L	0.0463 mg/L	15:56:47
1	Sb 206.836†	125.2	94.5	0.0519 mg/L	0.0519 mg/L	15:56:47
1	Se 196.026†	151.5	159.5	0.1032 mg/L	0.1032 mg/L	15:56:47
1	Sn 189.927†	364.1	381.3	0.0485 mg/L	0.0485 mg/L	15:56:47
1	Ti 337.279†	39000.9	41656.0	0.0510 mg/L	0.0510 mg/L	15:56:37
1	Tl 190.801†	96.3	92.4	0.0447 mg/L	0.0447 mg/L	15:56:47
1	V 292.402†	9449.7	10749.9	0.0519 mg/L	0.0519 mg/L	15:56:37
1	Zn 213.857†	8109.9	7346.5	0.0459 mg/L	0.0459 mg/L	15:56:37
2	B 249.677†	45.1	43.6	0.0524 mg/L	0.0524 mg/L	15:56:31
2	Fe 234.349†	143.2	144.5	0.2277 mg/L	0.2277 mg/L	15:56:31
2	K 766.490†	3421.5	3244.3	2.463 mg/L	2.463 mg/L	15:56:21
2	Li 670.784†	702.6	918.9	0.0539 mg/L	0.0539 mg/L	15:56:21
2	Na 589.592†	8395.3	9006.4	2.407 mg/L	2.407 mg/L	15:56:21
2	Sr 407.771†	2802.7	2800.4	0.0048 mg/L	0.0048 mg/L	15:56:21
2	Y 371.029	3012796.0	3012796.0	0.963 mg/L		15:56:49
2	Ag 328.068†	5968.4	4156.2	0.0255 mg/L	0.0255 mg/L	15:56:51
2	Al 237.313†	2410.3	2649.1	0.2389 mg/L	0.2389 mg/L	15:56:51
2	As 188.979†	66.4	61.1	0.0496 mg/L	0.0496 mg/L	15:57:02
2	B 182.528†	39.3	47.4	0.0564 mg/L	0.0564 mg/L	15:57:02
2	Ba 233.527†	5393.6	5665.1	0.0496 mg/L	0.0496 mg/L	15:56:51
2	Be 313.107†	9057.8	10307.1	0.0050 mg/L	0.0050 mg/L	15:56:51
2	Ca 315.887†	71260.5	72432.7	0.5019 mg/L	0.5019 mg/L	15:56:51
2	Cd 228.802†	983.6	927.9	0.0243 mg/L	0.0243 mg/L	15:57:02
2	Co 228.616†	2837.6	2979.9	0.0474 mg/L	0.0474 mg/L	15:57:02
2	Cr 267.716†	6748.4	6368.9	0.0508 mg/L	0.0508 mg/L	15:56:51
2	Cu 324.752†	13021.9	11748.3	0.0500 mg/L	0.0500 mg/L	15:56:51
2	Fe 238.204†	39614.3	40253.5	0.2475 mg/L	0.2475 mg/L	15:56:51
2	Mg 279.077†	8878.6	8889.7	0.4979 mg/L	0.4979 mg/L	15:56:51
2	Mn 257.610†	45206.9	46368.3	0.0517 mg/L	0.0517 mg/L	15:56:51
2	Mo 202.031†	1225.3	1283.7	0.0499 mg/L	0.0499 mg/L	15:57:02
2	Ni 231.604†	2363.0	2443.1	0.0490 mg/L	0.0490 mg/L	15:56:51
2	P 214.914†	1357.3	1144.6	0.4783 mg/L	0.4783 mg/L	15:57:02
2	Pb 220.353†	845.0	863.3	0.0489 mg/L	0.0489 mg/L	15:57:02
2	Sb 206.836†	123.9	92.9	0.0510 mg/L	0.0510 mg/L	15:57:02
2	Se 196.026†	147.8	155.4	0.1006 mg/L	0.1006 mg/L	15:57:02
2	Sn 189.927†	373.3	390.2	0.0497 mg/L	0.0497 mg/L	15:57:02
2	Ti 337.279†	39281.0	41871.6	0.0513 mg/L	0.0513 mg/L	15:56:51
2	Tl 190.801†	95.5	91.4	0.0442 mg/L	0.0442 mg/L	15:57:02
2	V 292.402†	9627.3	10916.0	0.0527 mg/L	0.0527 mg/L	15:56:51
2	Zn 213.857†	8210.0	7434.7	0.0465 mg/L	0.0465 mg/L	15:56:51

Mean Data: CRL1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3010007.4	0.962 mg/L	0.0013			0.13%
Ag 328.068†	4164.6	0.0256 mg/L	0.00007	0.0256 mg/L	0.00007	0.29%
QC value within limits for Ag 328.068 Recovery = 102.38%						
Al 237.313†	2662.9	0.2402 mg/L	0.00188	0.2402 mg/L	0.00188	0.78%
QC value within limits for Al 237.313 Recovery = 96.09%						
As 188.979†	60.5	0.0491 mg/L	0.00061	0.0491 mg/L	0.00061	1.24%

1	Li 670.784†	196.1	382.6	0.0231 mg/L	0.0231 mg/L	16:00:34
1	Na 589.592†	3148.7	3392.5	0.8579 mg/L	0.8579 mg/L	16:00:34
1	Sr 407.771†	1184.8	1057.8	0.0018 mg/L	0.0018 mg/L	16:00:34
1	Y 371.029	3176063.0	3176063.0	1.02 mg/L		16:01:08
1	Ag 328.068†	3564.1	1470.4	0.0089 mg/L	0.0089 mg/L	16:01:11
1	Al 237.313†	832.7	967.1	0.0766 mg/L	0.0766 mg/L	16:01:11
1	As 188.979†	34.6	26.2	0.0223 mg/L	0.0223 mg/L	16:01:21
1	B 182.528†	9.8	16.3	0.0206 mg/L	0.0206 mg/L	16:01:21
1	Ba 233.527†	2229.3	2261.6	0.0189 mg/L	0.0189 mg/L	16:01:21
1	Be 313.107†	3150.5	4007.2	0.0020 mg/L	0.0020 mg/L	16:01:11
1	Ca 315.887†	29238.6	27253.7	0.1804 mg/L	0.1804 mg/L	16:01:11
1	Cd 228.802†	451.3	351.4	0.0092 mg/L	0.0092 mg/L	16:01:21
1	Co 228.616†	1130.5	1147.6	0.0155 mg/L	0.0155 mg/L	16:01:21
1	Cr 267.716†	3124.2	2440.2	0.0191 mg/L	0.0191 mg/L	16:01:11
1	Cu 324.752†	6299.4	4434.2	0.0176 mg/L	0.0176 mg/L	16:01:11
1	Fe 238.204†	16389.8	15271.9	0.0882 mg/L	0.0882 mg/L	16:01:11
1	Mg 279.077†	3746.0	3362.2	0.1713 mg/L	0.1713 mg/L	16:01:11
1	Mn 257.610†	18720.9	17876.7	0.0186 mg/L	0.0186 mg/L	16:01:11
1	Mo 202.031†	500.6	504.7	0.0199 mg/L	0.0199 mg/L	16:01:21
1	Ni 231.604†	963.5	939.0	0.0172 mg/L	0.0172 mg/L	16:01:11
1	P 214.914†	719.5	444.2	0.1952 mg/L	0.1952 mg/L	16:01:21
1	Pb 220.353†	302.9	284.4	0.0143 mg/L	0.0143 mg/L	16:01:21
1	Sb 206.836†	73.0	36.2	0.0190 mg/L	0.0190 mg/L	16:01:21
1	Se 196.026†	56.7	57.8	0.0387 mg/L	0.0387 mg/L	16:01:21
1	Sn 189.927†	142.2	142.7	0.0168 mg/L	0.0168 mg/L	16:01:21
1	Ti 337.279†	15096.5	15962.5	0.0203 mg/L	0.0203 mg/L	16:01:11
1	Tl 190.801†	43.8	35.4	0.0135 mg/L	0.0135 mg/L	16:01:21
1	V 292.402†	3258.1	4131.0	0.0212 mg/L	0.0212 mg/L	16:01:11
1	Zn 213.857†	4160.9	3009.8	0.0168 mg/L	0.0168 mg/L	16:01:21
2	B 249.677†	22.8	19.6	0.0242 mg/L	0.0242 mg/L	16:01:05
2	Fe 234.349†	63.6	59.3	0.0940 mg/L	0.0940 mg/L	16:01:05
2	K 766.490†	1564.8	1257.5	0.9820 mg/L	0.9820 mg/L	16:00:55
2	Li 670.784†	166.5	356.1	0.0216 mg/L	0.0216 mg/L	16:00:55
2	Na 589.592†	3128.9	3420.7	0.8657 mg/L	0.8657 mg/L	16:00:55
2	Sr 407.771†	1207.6	1098.7	0.0019 mg/L	0.0019 mg/L	16:00:55
2	Y 371.029	3127520.0	3127520.0	1.00 mg/L		16:01:23
2	Ag 328.068†	3533.1	1493.9	0.0090 mg/L	0.0090 mg/L	16:01:25
2	Al 237.313†	810.2	957.3	0.0757 mg/L	0.0757 mg/L	16:01:25
2	As 188.979†	31.5	23.7	0.0203 mg/L	0.0203 mg/L	16:01:36
2	B 182.528†	8.4	15.0	0.0191 mg/L	0.0191 mg/L	16:01:36
2	Ba 233.527†	2178.4	2244.8	0.0187 mg/L	0.0187 mg/L	16:01:36
2	Be 313.107†	3193.1	4097.9	0.0021 mg/L	0.0021 mg/L	16:01:25
2	Ca 315.887†	28933.1	27395.0	0.1814 mg/L	0.1814 mg/L	16:01:25
2	Cd 228.802†	456.2	363.2	0.0095 mg/L	0.0095 mg/L	16:01:36
2	Co 228.616†	1119.7	1154.0	0.0156 mg/L	0.0156 mg/L	16:01:36
2	Cr 267.716†	3095.8	2459.6	0.0193 mg/L	0.0193 mg/L	16:01:25
2	Cu 324.752†	6390.0	4621.1	0.0185 mg/L	0.0185 mg/L	16:01:25
2	Fe 238.204†	16297.8	15430.4	0.0892 mg/L	0.0892 mg/L	16:01:25
2	Mg 279.077†	3746.5	3420.0	0.1747 mg/L	0.1747 mg/L	16:01:25
2	Mn 257.610†	18562.8	18004.7	0.0187 mg/L	0.0187 mg/L	16:01:25
2	Mo 202.031†	515.2	527.0	0.0207 mg/L	0.0207 mg/L	16:01:36
2	Ni 231.604†	963.3	953.5	0.0175 mg/L	0.0175 mg/L	16:01:25
2	P 214.914†	700.0	435.7	0.1917 mg/L	0.1917 mg/L	16:01:36
2	Pb 220.353†	331.8	318.0	0.0163 mg/L	0.0163 mg/L	16:01:36
2	Sb 206.836†	75.0	39.3	0.0207 mg/L	0.0207 mg/L	16:01:36
2	Se 196.026†	61.4	63.3	0.0422 mg/L	0.0422 mg/L	16:01:36
2	Sn 189.927†	159.5	162.1	0.0194 mg/L	0.0194 mg/L	16:01:36
2	Ti 337.279†	15336.8	16433.5	0.0208 mg/L	0.0208 mg/L	16:01:25
2	Tl 190.801†	40.3	32.5	0.0119 mg/L	0.0119 mg/L	16:01:36
2	V 292.402†	3298.6	4221.2	0.0216 mg/L	0.0216 mg/L	16:01:25
2	Zn 213.857†	4153.4	3065.8	0.0172 mg/L	0.0172 mg/L	16:01:36

Mean Data: CRL2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3151791.5	1.01 mg/L	0.011			1.09%
Ag 328.068†	1482.1	0.0089 mg/L	0.00010	0.0089 mg/L	0.00010	1.16%
QC value within limits for Ag 328.068 Recovery = 89.40%						
Al 237.313†	962.2	0.0761 mg/L	0.00067	0.0761 mg/L	0.00067	0.88%
QC value less than the lower limit for Al 237.313 Recovery = 76.13%						
As 188.979†	24.9	0.0213 mg/L	0.00140	0.0213 mg/L	0.00140	6.57%
QC value within limits for As 188.979 Recovery = 106.63%						

B	182.528†	15.7	0.0198 mg/L	0.00105	0.0198 mg/L	0.00105	5.28%
	QC value within limits for B 182.528 Recovery = 99.24%						
B	249.677†	17.1	0.0212 mg/L	0.00424	0.0212 mg/L	0.00424	20.00%
	QC value within limits for B 249.677 Recovery = 106.08%						
Ba	233.527†	2253.2	0.0188 mg/L	0.00011	0.0188 mg/L	0.00011	0.57%
	QC value within limits for Ba 233.527 Recovery = 93.87%						
Be	313.107†	4052.6	0.0020 mg/L	0.00003	0.0020 mg/L	0.00003	1.52%
	QC value within limits for Be 313.107 Recovery = 101.48%						
Ca	315.887†	27324.3	0.1809 mg/L	0.00071	0.1809 mg/L	0.00071	0.39%
	QC value within limits for Ca 315.887 Recovery = 90.45%						
Cd	228.802†	357.3	0.0093 mg/L	0.00023	0.0093 mg/L	0.00023	2.42%
	QC value within limits for Cd 228.802 Recovery = 93.27%						
Co	228.616†	1150.8	0.0155 mg/L	0.00008	0.0155 mg/L	0.00008	0.51%
	QC value less than the lower limit for Co 228.616 Recovery = 77.67%						
Cr	267.716†	2449.9	0.0192 mg/L	0.00011	0.0192 mg/L	0.00011	0.58%
	QC value within limits for Cr 267.716 Recovery = 96.10%						
Cu	324.752†	4527.7	0.0180 mg/L	0.00058	0.0180 mg/L	0.00058	3.24%
	QC value within limits for Cu 324.752 Recovery = 90.24%						
Fe	234.349†	57.2	0.0907 mg/L	0.00470	0.0907 mg/L	0.00470	5.18%
	QC value within limits for Fe 234.349 Recovery = 90.72%						
Fe	238.204†	15351.2	0.0887 mg/L	0.00071	0.0887 mg/L	0.00071	0.81%
	QC value within limits for Fe 238.204 Recovery = 88.70%						
K	766.490†	1249.9	0.9764 mg/L	0.00805	0.9764 mg/L	0.00805	0.82%
	QC value within limits for K 766.490 Recovery = 97.64%						
Li	670.784†	369.3	0.0224 mg/L	0.00108	0.0224 mg/L	0.00108	4.82%
	QC value within limits for Li 670.784 Recovery = 111.78%						
Mg	279.077†	3391.1	0.1730 mg/L	0.00242	0.1730 mg/L	0.00242	1.40%
	QC value within limits for Mg 279.077 Recovery = 86.51%						
Mn	257.610†	17940.7	0.0187 mg/L	0.00011	0.0187 mg/L	0.00011	0.56%
	QC value within limits for Mn 257.610 Recovery = 93.35%						
Mo	202.031†	515.8	0.0203 mg/L	0.00061	0.0203 mg/L	0.00061	2.99%
	QC value within limits for Mo 202.031 Recovery = 101.41%						
Na	589.592†	3406.6	0.8618 mg/L	0.00551	0.8618 mg/L	0.00551	0.64%
	QC value within limits for Na 589.592 Recovery = 86.18%						
Ni	231.604†	946.2	0.0173 mg/L	0.00022	0.0173 mg/L	0.00022	1.26%
	QC value within limits for Ni 231.604 Recovery = 86.69%						
P	214.914†	440.0	0.1934 mg/L	0.00242	0.1934 mg/L	0.00242	1.25%
	QC value within limits for P 214.914 Recovery = 96.72%						
Pb	220.353†	301.2	0.0153 mg/L	0.00142	0.0153 mg/L	0.00142	9.26%
	QC value less than the lower limit for Pb 220.353 Recovery = 76.65%						
Sb	206.836†	37.7	0.0199 mg/L	0.00124	0.0199 mg/L	0.00124	6.25%
	QC value within limits for Sb 206.836 Recovery = 99.29%						
Se	196.026†	60.6	0.0405 mg/L	0.00247	0.0405 mg/L	0.00247	6.10%
	QC value within limits for Se 196.026 Recovery = 101.13%						
Sn	189.927†	152.4	0.0181 mg/L	0.00182	0.0181 mg/L	0.00182	10.06%
	QC value within limits for Sn 189.927 Recovery = 90.34%						
Sr	407.771†	1078.2	0.0018 mg/L	0.00005	0.0018 mg/L	0.00005	2.67%
	QC value within limits for Sr 407.771 Recovery = 92.50%						
Ti	337.279†	16198.0	0.0206 mg/L	0.00040	0.0206 mg/L	0.00040	1.94%
	QC value within limits for Ti 337.279 Recovery = 102.82%						
Tl	190.801†	34.0	0.0127 mg/L	0.00114	0.0127 mg/L	0.00114	8.96%
	QC value less than the lower limit for Tl 190.801 Recovery = 63.47%						
V	292.402†	4176.1	0.0214 mg/L	0.00030	0.0214 mg/L	0.00030	1.38%
	QC value within limits for V 292.402 Recovery = 107.15%						
Zn	213.857†	3037.8	0.0170 mg/L	0.00027	0.0170 mg/L	0.00027	1.56%
	QC value within limits for Zn 213.857 Recovery = 85.07%						
QC Failed. Continue with analysis.							

Sequence No.: 10
Sample ID: CRL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 10/11/2012 4:03:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	8.7	5.5	0.0076 mg/L	0.0076 mg/L	16:05:17
1	Fe 234.349†	35.0	30.4	0.0486 mg/L	0.0486 mg/L	16:05:17
1	K 766.490†	889.0	571.9	0.4711 mg/L	0.4711 mg/L	16:05:07
1	Li 670.784†	37.6	226.7	0.0142 mg/L	0.0142 mg/L	16:05:07

1	Na 589.592†	1410.4	1686.7	0.3872	mg/L	0.3872	mg/L	16:05:07
1	Sr 407.771†	633.3	517.4	0.0009	mg/L	0.0009	mg/L	16:05:07
1	Y 371.029	3162665.0	3162665.0	1.01	mg/L			16:05:41
1	Ag 328.068†	2708.7	639.4	0.0037	mg/L	0.0037	mg/L	16:05:44
1	Al 237.313†	333.4	476.9	0.0293	mg/L	0.0293	mg/L	16:05:44
1	As 188.979†	16.7	8.7	0.0086	mg/L	0.0086	mg/L	16:05:54
1	B 182.528†	-0.8	5.9	0.0085	mg/L	0.0085	mg/L	16:05:54
1	Ba 233.527†	1057.0	1111.7	0.0085	mg/L	0.0085	mg/L	16:05:54
1	Be 313.107†	1223.6	2115.0	0.0011	mg/L	0.0011	mg/L	16:05:44
1	Ca 315.887†	15202.7	13496.7	0.0825	mg/L	0.0825	mg/L	16:05:44
1	Cd 228.802†	274.6	178.5	0.0046	mg/L	0.0046	mg/L	16:05:54
1	Co 228.616†	542.6	570.9	0.0054	mg/L	0.0054	mg/L	16:05:54
1	Cr 267.716†	1865.7	1208.9	0.0092	mg/L	0.0092	mg/L	16:05:44
1	Cu 324.752†	4087.0	2272.8	0.0081	mg/L	0.0081	mg/L	16:05:44
1	Fe 238.204†	8635.5	7672.8	0.0397	mg/L	0.0397	mg/L	16:05:44
1	Mg 279.077†	1981.2	1632.8	0.0691	mg/L	0.0691	mg/L	16:05:44
1	Mn 257.610†	9486.3	8823.5	0.0081	mg/L	0.0081	mg/L	16:05:44
1	Mo 202.031†	251.3	260.2	0.0104	mg/L	0.0104	mg/L	16:05:54
1	Ni 231.604†	486.4	471.3	0.0073	mg/L	0.0073	mg/L	16:05:44
1	P 214.914†	481.5	211.9	0.1013	mg/L	0.1013	mg/L	16:05:54
1	Pb 220.353†	155.3	139.8	0.0057	mg/L	0.0057	mg/L	16:05:54
1	Sb 206.836†	57.9	21.5	0.0107	mg/L	0.0107	mg/L	16:05:54
1	Se 196.026†	37.8	39.3	0.0270	mg/L	0.0270	mg/L	16:05:54
1	Sn 189.927†	70.4	72.3	0.0074	mg/L	0.0074	mg/L	16:05:54
1	Ti 337.279†	7247.5	8264.4	0.0111	mg/L	0.0111	mg/L	16:05:44
1	Tl 190.801†	25.9	17.9	0.0039	mg/L	0.0039	mg/L	16:05:54
1	V 292.402†	1285.9	2194.4	0.0122	mg/L	0.0122	mg/L	16:05:44
1	Zn 213.857†	2737.9	1620.0	0.0075	mg/L	0.0075	mg/L	16:05:54
2	B 249.677†	7.0	3.8	0.0056	mg/L	0.0056	mg/L	16:05:38
2	Fe 234.349†	25.3	20.9	0.0335	mg/L	0.0335	mg/L	16:05:38
2	K 766.490†	878.4	561.7	0.4635	mg/L	0.4635	mg/L	16:05:28
2	Li 670.784†	28.4	217.7	0.0136	mg/L	0.0136	mg/L	16:05:28
2	Na 589.592†	1422.1	1698.9	0.3905	mg/L	0.3905	mg/L	16:05:28
2	Sr 407.771†	681.9	565.7	0.0010	mg/L	0.0010	mg/L	16:05:28
2	Y 371.029	3161177.7	3161177.7	1.01	mg/L			16:05:56
2	Ag 328.068†	2767.1	698.5	0.0041	mg/L	0.0041	mg/L	16:05:58
2	Al 237.313†	369.1	512.4	0.0327	mg/L	0.0327	mg/L	16:05:58
2	As 188.979†	22.2	14.2	0.0129	mg/L	0.0129	mg/L	16:06:09
2	B 182.528†	3.4	10.1	0.0134	mg/L	0.0134	mg/L	16:06:09
2	Ba 233.527†	1056.6	1111.8	0.0085	mg/L	0.0085	mg/L	16:06:09
2	Be 313.107†	1234.2	2126.1	0.0011	mg/L	0.0011	mg/L	16:05:58
2	Ca 315.887†	15295.9	13596.1	0.0832	mg/L	0.0832	mg/L	16:05:58
2	Cd 228.802†	269.9	174.0	0.0045	mg/L	0.0045	mg/L	16:06:09
2	Co 228.616†	562.4	590.8	0.0058	mg/L	0.0058	mg/L	16:06:09
2	Cr 267.716†	1871.1	1215.1	0.0093	mg/L	0.0093	mg/L	16:05:58
2	Cu 324.752†	4060.5	2248.5	0.0080	mg/L	0.0080	mg/L	16:05:58
2	Fe 238.204†	8430.7	7474.2	0.0385	mg/L	0.0385	mg/L	16:05:58
2	Mg 279.077†	2011.5	1663.6	0.0709	mg/L	0.0709	mg/L	16:05:58
2	Mn 257.610†	9566.1	8906.9	0.0082	mg/L	0.0082	mg/L	16:05:58
2	Mo 202.031†	238.2	247.4	0.0099	mg/L	0.0099	mg/L	16:06:09
2	Ni 231.604†	504.5	489.4	0.0077	mg/L	0.0077	mg/L	16:05:58
2	P 214.914†	491.5	222.0	0.1053	mg/L	0.1053	mg/L	16:06:09
2	Pb 220.353†	124.0	108.9	0.0039	mg/L	0.0039	mg/L	16:06:09
2	Sb 206.836†	56.2	19.9	0.0098	mg/L	0.0098	mg/L	16:06:09
2	Se 196.026†	31.6	33.2	0.0231	mg/L	0.0231	mg/L	16:06:09
2	Sn 189.927†	84.9	86.7	0.0093	mg/L	0.0093	mg/L	16:06:09
2	Ti 337.279†	7285.6	8305.4	0.0111	mg/L	0.0111	mg/L	16:05:58
2	Tl 190.801†	25.7	17.7	0.0038	mg/L	0.0038	mg/L	16:06:09
2	V 292.402†	1273.8	2183.0	0.0122	mg/L	0.0122	mg/L	16:05:58
2	Zn 213.857†	2709.2	1592.9	0.0073	mg/L	0.0073	mg/L	16:06:09

Mean Data: CRL3

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3161921.3	1.01 mg/L	0.000			0.03%
Ag 328.068†	668.9	0.0039 mg/L	0.00026	0.0039 mg/L	0.00026	6.64%
QC value less than the lower limit for Ag 328.068			Recovery = 77.79%			
Al 237.313†	494.6	0.0310 mg/L	0.00242	0.0310 mg/L	0.00242	7.80%
QC value less than the lower limit for Al 237.313			Recovery = 62.00%			
As 188.979†	11.4	0.0107 mg/L	0.00304	0.0107 mg/L	0.00304	28.26%
QC value within limits for As 188.979			Recovery = 107.41%			
B 182.528†	8.0	0.0110 mg/L	0.00344	0.0110 mg/L	0.00344	31.41%

QC value within limits for B	182.528	Recovery = 109.50%				
B 249.677†	4.6	0.0066 mg/L	0.00143	0.0066 mg/L	0.00143	21.53%
QC value less than the lower limit for B	249.677	Recovery = 66.25%				
Ba 233.527†	1111.7	0.0085 mg/L	0.00000	0.0085 mg/L	0.00000	0.01%
QC value within limits for Ba	233.527	Recovery = 84.72%				
Be 313.107†	2120.5	0.0011 mg/L	0.00000	0.0011 mg/L	0.00000	0.35%
QC value within limits for Be	313.107	Recovery = 109.78%				
Ca 315.887†	13546.4	0.0828 mg/L	0.00050	0.0828 mg/L	0.00050	0.60%
QC value within limits for Ca	315.887	Recovery = 82.83%				
Cd 228.802†	176.3	0.0046 mg/L	0.00010	0.0046 mg/L	0.00010	2.13%
QC value within limits for Cd	228.802	Recovery = 91.55%				
Co 228.616†	580.9	0.0056 mg/L	0.00024	0.0056 mg/L	0.00024	4.36%
QC value less than the lower limit for Co	228.616	Recovery = 56.10%				
Cr 267.716†	1212.0	0.0092 mg/L	0.00003	0.0092 mg/L	0.00003	0.38%
QC value within limits for Cr	267.716	Recovery = 92.36%				
Cu 324.752†	2260.7	0.0080 mg/L	0.00008	0.0080 mg/L	0.00008	0.95%
QC value within limits for Cu	324.752	Recovery = 80.18%				
Fe 234.349†	25.6	0.0411 mg/L	0.01066	0.0411 mg/L	0.01066	25.96%
QC value within limits for Fe	234.349	Recovery = 82.10%				
Fe 238.204†	7573.5	0.0391 mg/L	0.00090	0.0391 mg/L	0.00090	2.29%
QC value less than the lower limit for Fe	238.204	Recovery = 78.21%				
K 766.490†	566.8	0.4673 mg/L	0.00534	0.4673 mg/L	0.00534	1.14%
QC value within limits for K	766.490	Recovery = 93.46%				
Li 670.784†	222.2	0.0139 mg/L	0.00037	0.0139 mg/L	0.00037	2.64%
QC value greater than the upper limit for Li	670.784	Recovery = 138.99%				
Mg 279.077†	1648.2	0.0700 mg/L	0.00129	0.0700 mg/L	0.00129	1.84%
QC value less than the lower limit for Mg	279.077	Recovery = 70.03%				
Mn 257.610†	8865.2	0.0081 mg/L	0.00007	0.0081 mg/L	0.00007	0.84%
QC value within limits for Mn	257.610	Recovery = 81.33%				
Mo 202.031†	253.8	0.0102 mg/L	0.00035	0.0102 mg/L	0.00035	3.43%
QC value within limits for Mo	202.031	Recovery = 101.60%				
Na 589.592†	1692.8	0.3889 mg/L	0.00239	0.3889 mg/L	0.00239	0.61%
QC value less than the lower limit for Na	589.592	Recovery = 77.77%				
Ni 231.604†	480.3	0.0075 mg/L	0.00027	0.0075 mg/L	0.00027	3.62%
QC value less than the lower limit for Ni	231.604	Recovery = 74.68%				
P 214.914†	217.0	0.1033 mg/L	0.00287	0.1033 mg/L	0.00287	2.78%
QC value within limits for P	214.914	Recovery = 103.28%				
Pb 220.353†	124.3	0.0048 mg/L	0.00131	0.0048 mg/L	0.00131	27.33%
QC value less than the lower limit for Pb	220.353	Recovery = 47.79%				
Sb 206.836†	20.7	0.0103 mg/L	0.00063	0.0103 mg/L	0.00063	6.15%
QC value within limits for Sb	206.836	Recovery = 102.50%				
Se 196.026†	36.3	0.0250 mg/L	0.00274	0.0250 mg/L	0.00274	10.95%
QC value greater than the upper limit for Se	196.026	Recovery = 125.19%				
Sn 189.927†	79.5	0.0083 mg/L	0.00131	0.0083 mg/L	0.00131	15.68%
QC value within limits for Sn	189.927	Recovery = 83.36%				
Sr 407.771†	541.6	0.0009 mg/L	0.00006	0.0009 mg/L	0.00006	6.27%
QC value within limits for Sr	407.771	Recovery = 93.21%				
Ti 337.279†	8284.9	0.0111 mg/L	0.00003	0.0111 mg/L	0.00003	0.31%
QC value within limits for Ti	337.279	Recovery = 110.94%				
Tl 190.801†	17.8	0.0038 mg/L	0.00004	0.0038 mg/L	0.00004	1.07%
QC value less than the lower limit for Tl	190.801	Recovery = 38.46%				
V 292.402†	2188.7	0.0122 mg/L	0.00004	0.0122 mg/L	0.00004	0.30%
QC value greater than the upper limit for V	292.402	Recovery = 122.02%				
Zn 213.857†	1606.5	0.0074 mg/L	0.00013	0.0074 mg/L	0.00013	1.77%
QC value less than the lower limit for Zn	213.857	Recovery = 74.06%				
QC Failed. Continue with analysis.						

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Sequence No.: 11                               Autosampler Location: 160
Sample ID: IFA                                 Date Collected: 10/11/2012 4:07:49 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: IFA						
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	0.1	-3.1	-0.0024 mg/L	-0.0024 mg/L	16:09:40
1	Fe 234.349†	50129.4	21250.4	33.54 mg/L	33.54 mg/L	16:09:30
1	K 766.490†	358.7	-155.2	-0.0708 mg/L	-0.0708 mg/L	16:09:40
1	Li 670.784†	-128.4	135.1	0.0089 mg/L	0.0089 mg/L	16:09:40
1	Na 589.592†	-163.7	222.7	-0.0168 mg/L	-0.0168 mg/L	16:09:40

1	Sr 407.771†	863.5	257.3	0.0004 mg/L	0.0004 mg/L	16:09:40
1	Y 371.029	7375766.6	7375766.6	2.36 mg/L		16:09:56
1	Ag 328.068†	1707.8	-1314.9	-0.0058 mg/L	-0.0058 mg/L	16:09:58
1	Al 237.313†	4407.4	2015.9	0.1774 mg/L	0.1774 mg/L	16:09:58
1	As 188.979†	5.9	-5.4	0.0117 mg/L	0.0117 mg/L	16:10:08
1	B 182.528†	-7.6	3.4	0.0057 mg/L	0.0057 mg/L	16:10:08
1	Ba 233.527†	-62.8	39.9	-0.0012 mg/L	-0.0012 mg/L	16:10:08
1	Be 313.107†	-640.9	633.3	0.0004 mg/L	0.0004 mg/L	16:09:58
1	Ca 315.887†	66344.7	26593.9	0.1756 mg/L	0.1756 mg/L	16:09:58
1	Cd 228.802†	93.5	-53.4	-0.0015 mg/L	-0.0015 mg/L	16:10:08
1	Co 228.616†	-50.3	13.1	-0.0043 mg/L	-0.0043 mg/L	16:10:08
1	Cr 267.716†	482.7	-431.3	-0.0040 mg/L	-0.0040 mg/L	16:09:58
1	Cu 324.752†	1335.3	-1202.3	-0.0073 mg/L	-0.0073 mg/L	16:09:58
1	Fe 238.204†	31537.9	12505.8	0.0705 mg/L	0.0705 mg/L	16:09:58
1	Mg 279.077†	7327.4	2780.5	0.1369 mg/L	0.1369 mg/L	16:09:58
1	Mn 257.610†	396.5	-388.6	-0.0026 mg/L	-0.0026 mg/L	16:10:08
1	Mo 202.031†	37.8	27.8	-0.0090 mg/L	-0.0090 mg/L	16:10:08
1	Ni 231.604†	6.4	-7.0	-0.0029 mg/L	-0.0029 mg/L	16:10:08
1	P 214.914†	315.3	-130.5	0.0419 mg/L	0.0419 mg/L	16:10:08
1	Pb 220.353†	36.1	1.5	-0.0026 mg/L	-0.0026 mg/L	16:10:08
1	Sb 206.836†	46.9	-15.8	-0.0253 mg/L	-0.0253 mg/L	16:10:08
1	Se 196.026†	2.7	3.1	0.0183 mg/L	0.0183 mg/L	16:10:08
1	Sn 189.927†	-23.5	-7.3	0.0949 mg/L	0.0949 mg/L	16:10:08
1	Ti 337.279†	20781.8	9909.3	0.0130 mg/L	0.0130 mg/L	16:09:58
1	Tl 190.801†	3.0	-6.4	-0.0285 mg/L	-0.0285 mg/L	16:10:08
1	V 292.402†	-821.4	574.6	-0.0017 mg/L	-0.0017 mg/L	16:09:58
1	Zn 213.857†	1230.3	-565.7	-0.0072 mg/L	-0.0072 mg/L	16:10:08
2	B 249.677†	-0.1	-3.2	-0.0025 mg/L	-0.0025 mg/L	16:09:52
2	Fe 234.349†	40200.6	15889.7	25.08 mg/L	25.08 mg/L	16:09:42
2	K 766.490†	245.7	-210.1	-0.1117 mg/L	-0.1117 mg/L	16:09:52
2	Li 670.784†	-215.6	104.3	0.0071 mg/L	0.0071 mg/L	16:09:52
2	Na 589.592†	-460.0	110.2	-0.0479 mg/L	-0.0479 mg/L	16:09:52
2	Sr 407.771†	146.6	-50.9	-0.0001 mg/L	-0.0001 mg/L	16:09:52
2	Y 371.029	7909898.8	7909898.8	2.53 mg/L		16:10:11
2	Ag 328.068†	1760.6	-1342.9	-0.0067 mg/L	-0.0067 mg/L	16:10:13
2	Al 237.313†	2010.8	942.2	0.0740 mg/L	0.0740 mg/L	16:10:13
2	As 188.979†	3.1	-6.6	0.0072 mg/L	0.0072 mg/L	16:10:23
2	B 182.528†	-7.8	3.6	0.0059 mg/L	0.0059 mg/L	16:10:23
2	Ba 233.527†	-80.9	34.5	-0.0012 mg/L	-0.0012 mg/L	16:10:23
2	Be 313.107†	-758.7	605.1	0.0004 mg/L	0.0004 mg/L	16:10:13
2	Ca 315.887†	34103.8	11947.5	0.0714 mg/L	0.0714 mg/L	16:10:13
2	Cd 228.802†	77.6	-62.3	-0.0017 mg/L	-0.0017 mg/L	16:10:23
2	Co 228.616†	-48.4	15.3	-0.0042 mg/L	-0.0042 mg/L	16:10:23
2	Cr 267.716†	496.5	-439.6	-0.0041 mg/L	-0.0041 mg/L	16:10:13
2	Cu 324.752†	1349.0	-1235.1	-0.0074 mg/L	-0.0074 mg/L	16:10:13
2	Fe 238.204†	15314.3	5188.6	0.0239 mg/L	0.0239 mg/L	16:10:13
2	Mg 279.077†	3781.6	1168.8	0.0417 mg/L	0.0417 mg/L	16:10:13
2	Mn 257.610†	334.3	-424.5	-0.0027 mg/L	-0.0027 mg/L	16:10:23
2	Mo 202.031†	40.9	28.0	-0.0064 mg/L	-0.0064 mg/L	16:10:23
2	Ni 231.604†	20.7	-1.5	-0.0027 mg/L	-0.0027 mg/L	16:10:23
2	P 214.914†	304.0	-144.0	0.0165 mg/L	0.0165 mg/L	16:10:23
2	Pb 220.353†	16.2	-7.3	-0.0031 mg/L	-0.0031 mg/L	16:10:23
2	Sb 206.836†	43.3	-18.6	-0.0231 mg/L	-0.0231 mg/L	16:10:23
2	Se 196.026†	6.9	4.7	0.0157 mg/L	0.0157 mg/L	16:10:23
2	Sn 189.927†	-9.1	-0.9	0.0710 mg/L	0.0710 mg/L	16:10:23
2	Ti 337.279†	10090.9	5087.5	0.0073 mg/L	0.0073 mg/L	16:10:13
2	Tl 190.801†	5.8	-5.4	-0.0231 mg/L	-0.0231 mg/L	16:10:23
2	V 292.402†	-879.2	575.3	-0.0001 mg/L	-0.0001 mg/L	16:10:13
2	Zn 213.857†	1221.0	-604.5	-0.0075 mg/L	-0.0075 mg/L	16:10:23

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	7642832.7	2.44 mg/L	0.121			4.94%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 244.4%						
Ag 328.068†	-1328.9	-0.0063 mg/L	0.00058	-0.0063 mg/L	0.00058	9.34%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated						
Al 237.313†	1479.1	0.1257 mg/L	0.07311	0.1257 mg/L	0.07311	58.17%
QC value less than the lower limit for Al 237.313 Recovery = 0.05%						
As 188.979†	-6.0	0.0095 mg/L	0.00320	0.0095 mg/L	0.00320	33.87%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	3.5	0.0058 mg/L	0.00013	0.0058 mg/L	0.00013	2.22%

1	Na 589.592†	-418.6	124.5	-0.0439 mg/L	-0.0439 mg/L	16:13:52
1	Sr 407.771†	150.1	-48.7	-0.0001 mg/L	-0.0001 mg/L	16:13:52
1	Y 371.029	7810578.9	7810578.9	2.50 mg/L		16:14:27
1	Ag 328.068†	1839.9	-1302.3	-0.0083 mg/L	-0.0083 mg/L	16:14:29
1	Al 237.313†	1473.1	737.0	0.0542 mg/L	0.0542 mg/L	16:14:29
1	As 188.979†	8.2	-4.6	-0.0017 mg/L	-0.0017 mg/L	16:14:39
1	B 182.528†	-8.2	3.4	0.0057 mg/L	0.0057 mg/L	16:14:39
1	Ba 233.527†	-74.1	36.8	-0.0012 mg/L	-0.0012 mg/L	16:14:39
1	Be 313.107†	-401.7	744.2	0.0004 mg/L	0.0004 mg/L	16:14:29
1	Ca 315.887†	24378.0	8224.8	0.0449 mg/L	0.0449 mg/L	16:14:29
1	Cd 228.802†	96.1	-54.5	-0.0015 mg/L	-0.0015 mg/L	16:14:39
1	Co 228.616†	-35.7	20.2	-0.0042 mg/L	-0.0042 mg/L	16:14:39
1	Cr 267.716†	533.5	-422.4	-0.0039 mg/L	-0.0039 mg/L	16:14:29
1	Cu 324.752†	1348.6	-1228.5	-0.0074 mg/L	-0.0074 mg/L	16:14:29
1	Fe 238.204†	10487.3	3332.9	0.0121 mg/L	0.0121 mg/L	16:14:29
1	Mg 279.077†	2717.7	761.8	0.0176 mg/L	0.0176 mg/L	16:14:29
1	Mn 257.610†	469.2	-368.8	-0.0026 mg/L	-0.0026 mg/L	16:14:39
1	Mo 202.031†	7.2	14.6	0.0009 mg/L	0.0009 mg/L	16:14:39
1	Ni 231.604†	34.8	4.3	-0.0026 mg/L	-0.0026 mg/L	16:14:39
1	P 214.914†	327.1	-133.2	-0.0381 mg/L	-0.0381 mg/L	16:14:39
1	Pb 220.353†	2.1	-12.9	-0.0034 mg/L	-0.0034 mg/L	16:14:39
1	Sb 206.836†	33.8	-22.2	-0.0140 mg/L	-0.0140 mg/L	16:14:39
1	Se 196.026†	6.5	4.6	0.0050 mg/L	0.0050 mg/L	16:14:39
1	Sn 189.927†	-23.5	-6.8	-0.0029 mg/L	-0.0029 mg/L	16:14:39
1	Ti 337.279†	992.8	1495.4	0.0030 mg/L	0.0030 mg/L	16:14:29
1	Tl 190.801†	-1.3	-8.2	-0.0105 mg/L	-0.0105 mg/L	16:14:39
1	V 292.402†	-693.0	645.4	0.0050 mg/L	0.0050 mg/L	16:14:29
1	Zn 213.857†	1235.5	-592.6	-0.0074 mg/L	-0.0074 mg/L	16:14:39
2	B 249.677†	-1.5	-3.7	-0.0032 mg/L	-0.0032 mg/L	16:14:23
2	Fe 234.349†	43.8	13.3	0.0218 mg/L	0.0218 mg/L	16:14:23
2	K 766.490†	205.8	-224.7	-0.1226 mg/L	-0.1226 mg/L	16:14:13
2	Li 670.784†	-301.7	68.6	0.0051 mg/L	0.0051 mg/L	16:14:13
2	Na 589.592†	-557.5	68.5	-0.0594 mg/L	-0.0594 mg/L	16:14:13
2	Sr 407.771†	98.6	-69.3	-0.0001 mg/L	-0.0001 mg/L	16:14:13
2	Y 371.029	7796327.7	7796327.7	2.49 mg/L		16:14:41
2	Ag 328.068†	1705.9	-1354.8	-0.0087 mg/L	-0.0087 mg/L	16:14:44
2	Al 237.313†	1060.6	572.6	0.0384 mg/L	0.0384 mg/L	16:14:44
2	As 188.979†	5.7	-5.6	-0.0025 mg/L	-0.0025 mg/L	16:14:54
2	B 182.528†	-9.8	2.8	0.0049 mg/L	0.0049 mg/L	16:14:54
2	Ba 233.527†	-61.9	41.7	-0.0012 mg/L	-0.0012 mg/L	16:14:54
2	Be 313.107†	-453.9	723.0	0.0004 mg/L	0.0004 mg/L	16:14:44
2	Ca 315.887†	21241.1	6984.4	0.0361 mg/L	0.0361 mg/L	16:14:44
2	Cd 228.802†	94.8	-55.0	-0.0015 mg/L	-0.0015 mg/L	16:14:54
2	Co 228.616†	-35.9	20.0	-0.0042 mg/L	-0.0042 mg/L	16:14:54
2	Cr 267.716†	527.9	-424.2	-0.0040 mg/L	-0.0040 mg/L	16:14:44
2	Cu 324.752†	1320.5	-1238.8	-0.0075 mg/L	-0.0075 mg/L	16:14:44
2	Fe 238.204†	8920.8	2712.2	0.0081 mg/L	0.0081 mg/L	16:14:44
2	Mg 279.077†	2292.8	593.4	0.0077 mg/L	0.0077 mg/L	16:14:44
2	Mn 257.610†	395.6	-398.0	-0.0026 mg/L	-0.0026 mg/L	16:14:54
2	Mo 202.031†	40.7	28.1	0.0014 mg/L	0.0014 mg/L	16:14:54
2	Ni 231.604†	22.8	-0.6	-0.0027 mg/L	-0.0027 mg/L	16:14:54
2	P 214.914†	304.0	-142.3	-0.0419 mg/L	-0.0419 mg/L	16:14:54
2	Pb 220.353†	-13.4	-19.2	-0.0038 mg/L	-0.0038 mg/L	16:14:54
2	Sb 206.836†	34.5	-21.9	-0.0138 mg/L	-0.0138 mg/L	16:14:54
2	Se 196.026†	4.1	3.6	0.0043 mg/L	0.0043 mg/L	16:14:54
2	Sn 189.927†	-6.2	0.2	-0.0021 mg/L	-0.0021 mg/L	16:14:54
2	Ti 337.279†	250.1	1198.2	0.0026 mg/L	0.0026 mg/L	16:14:44
2	Tl 190.801†	-1.1	-8.2	-0.0104 mg/L	-0.0104 mg/L	16:14:54
2	V 292.402†	-848.7	582.4	0.0047 mg/L	0.0047 mg/L	16:14:44
2	Zn 213.857†	1222.6	-596.9	-0.0074 mg/L	-0.0074 mg/L	16:14:54

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	7803453.3	2.50 mg/L	0.003			0.13%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 249.5%						
Ag 328.068†	-1328.5	-0.0085 mg/L	0.00023	-0.0085 mg/L	0.00023	2.73%
QC value less than the lower limit for Ag 328.068 Recovery = -1.70%						
Al 237.313†	654.8	0.0463 mg/L	0.01119	0.0463 mg/L	0.01119	24.18%
QC value less than the lower limit for Al 237.313 Recovery = 0.02%						
As 188.979†	-5.1	-0.0021 mg/L	0.00056	-0.0021 mg/L	0.00056	26.50%
QC value within limits for As 188.979 Recovery = Not calculated						

B	182.528†	3.1	0.0053 mg/L	0.00052	0.0053 mg/L	0.00052	9.73%
	QC value within limits for B 182.528 Recovery = Not calculated						
B	249.677†	-4.1	-0.0037 mg/L	0.00065	-0.0037 mg/L	0.00065	17.68%
	QC value within limits for B 249.677 Recovery = Not calculated						
Ba	233.527†	39.3	-0.0012 mg/L	0.00003	-0.0012 mg/L	0.00003	2.58%
	QC value less than the lower limit for Ba 233.527 Recovery = -0.48%						
Be	313.107†	733.6	0.0004 mg/L	0.00001	0.0004 mg/L	0.00001	1.69%
	QC value less than the lower limit for Be 313.107 Recovery = 0.17%						
Ca	315.887†	7604.6	0.0405 mg/L	0.00624	0.0405 mg/L	0.00624	15.40%
	QC value less than the lower limit for Ca 315.887 Recovery = 0.02%						
Cd	228.802†	-54.8	-0.0015 mg/L	0.00001	-0.0015 mg/L	0.00001	0.41%
	QC value less than the lower limit for Cd 228.802 Recovery = -0.30%						
Co	228.616†	20.1	-0.0042 mg/L	0.00000	-0.0042 mg/L	0.00000	0.01%
	QC value less than the lower limit for Co 228.616 Recovery = -1.66%						
Cr	267.716†	-423.3	-0.0039 mg/L	0.00001	-0.0039 mg/L	0.00001	0.25%
	QC value less than the lower limit for Cr 267.716 Recovery = -1.58%						
Cu	324.752†	-1233.6	-0.0074 mg/L	0.00003	-0.0074 mg/L	0.00003	0.44%
	QC value less than the lower limit for Cu 324.752 Recovery = -2.98%						
Fe	234.349†	27.7	0.0445 mg/L	0.03201	0.0445 mg/L	0.03201	71.96%
	QC value less than the lower limit for Fe 234.349 Recovery = 0.04%						
Fe	238.204†	3022.5	0.0101 mg/L	0.00280	0.0101 mg/L	0.00280	27.76%
	QC value less than the lower limit for Fe 238.204 Recovery = 0.01%						
K	766.490†	-216.4	-0.1164 mg/L	0.00868	-0.1164 mg/L	0.00868	7.46%
	QC value within limits for K 766.490 Recovery = Not calculated						
Li	670.784†	76.3	0.0055 mg/L	0.00063	0.0055 mg/L	0.00063	11.40%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	677.6	0.0127 mg/L	0.00704	0.0127 mg/L	0.00704	55.55%
	QC value less than the lower limit for Mg 279.077 Recovery = 0.01%						
Mn	257.610†	-383.4	-0.0026 mg/L	0.00002	-0.0026 mg/L	0.00002	0.92%
	QC value less than the lower limit for Mn 257.610 Recovery = -1.04%						
Mo	202.031†	21.4	0.0012 mg/L	0.00038	0.0012 mg/L	0.00038	32.29%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na	589.592†	96.5	-0.0517 mg/L	0.01093	-0.0517 mg/L	0.01093	21.16%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	1.9	-0.0027 mg/L	0.00007	-0.0027 mg/L	0.00007	2.68%
	QC value less than the lower limit for Ni 231.604 Recovery = -0.53%						
P	214.914†	-137.8	-0.0400 mg/L	0.00266	-0.0400 mg/L	0.00266	6.66%
	QC value within limits for P 214.914 Recovery = Not calculated						
Pb	220.353†	-16.1	-0.0036 mg/L	0.00026	-0.0036 mg/L	0.00026	7.23%
	QC value less than the lower limit for Pb 220.353 Recovery = -0.72%						
Sb	206.836†	-22.0	-0.0139 mg/L	0.00013	-0.0139 mg/L	0.00013	0.95%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	4.1	0.0046 mg/L	0.00044	0.0046 mg/L	0.00044	9.51%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	-3.3	-0.0025 mg/L	0.00055	-0.0025 mg/L	0.00055	21.73%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	-59.0	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	26.18%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	1346.8	0.0028 mg/L	0.00025	0.0028 mg/L	0.00025	9.01%
	QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	-8.2	-0.0105 mg/L	0.00004	-0.0105 mg/L	0.00004	0.42%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	613.9	0.0048 mg/L	0.00020	0.0048 mg/L	0.00020	4.03%
	QC value less than the lower limit for V 292.402 Recovery = 1.94%						
Zn	213.857†	-594.7	-0.0074 mg/L	0.00002	-0.0074 mg/L	0.00002	0.27%
	QC value less than the lower limit for Zn 213.857 Recovery = -1.48%						
Internal Standard Check failed. Continue with analysis.							
QC Failed. Continue with analysis.							

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Sequence No.: 13                               Autosampler Location: 0
Sample ID: WASH                               Date Collected: 10/11/2012 4:16:32 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
User canceled analysis.
=====

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Analysis Begun

```

Start Time: 10/11/2012 4:18:15 PM             Plasma On Time: 10/11/2012 7:37:31 AM
Logged In Analyst: ICP3                       Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91
=====

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Batch ID:

Results Data Set: 101112NBD

Results Library: C:\pe\ICP3\Results\Results.mdb

Sequence No.: 11

Sample ID: IFA

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 160

Date Collected: 10/11/2012 4:18:15 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: IFA

Rep#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1.5	-1.4	-0.0005 mg/L		-0.0005 mg/L	16:20:05
1	Fe 234.349†	49466.4	56193.6	88.50 mg/L		88.50 mg/L	16:19:55
1	K 766.490†	302.7	36.7	0.0722 mg/L		0.0722 mg/L	16:19:55
1	Li 670.784†	-158.7	9.3	0.0017 mg/L		0.0017 mg/L	16:19:55
1	Na 589.592†	-286.6	-33.6	-0.0876 mg/L		-0.0876 mg/L	16:19:55
1	Sr 407.771†	558.4	525.5	0.0009 mg/L		0.0009 mg/L	16:19:55
1	Y 371.029	2752698.4	2752698.4	0.880 mg/L			16:20:27
1	Ag 328.068†	801.0	-1129.0	-0.0004 mg/L		-0.0004 mg/L	16:20:29
1	Al 237.313†	2180413.5	2477275.3	238.5 mg/L		238.5 mg/L	16:20:27
1	As 188.979†	-14.4	-24.2	0.0201 mg/L		0.0201 mg/L	16:20:40
1	B 182.528†	11.9	20.2	0.0250 mg/L		0.0250 mg/L	16:20:40
1	Ba 233.527†	131.8	216.2	0.0004 mg/L		0.0004 mg/L	16:20:40
1	Be 313.107†	-510.0	325.7	0.0002 mg/L		0.0002 mg/L	16:20:29
1	Ca 315.887†	27947243.5	31748818.6	225.8 mg/L		225.8 mg/L	16:20:24
1	Cd 228.802†	115.6	38.3	0.0010 mg/L		0.0010 mg/L	16:20:40
1	Co 228.616†	866.4	1018.7	-0.0057 mg/L		-0.0057 mg/L	16:20:40
1	Cr 267.716†	678.5	134.9	0.0006 mg/L		0.0006 mg/L	16:20:40
1	Cu 324.752†	170.3	-1574.9	-0.0013 mg/L		-0.0013 mg/L	16:20:29
1	Fe 238.204†	11171440.2	12690803.7	80.90 mg/L		80.90 mg/L	16:20:24
1	Mg 279.077†	3378265.1	3837659.2	226.7 mg/L		226.7 mg/L	16:20:27
1	Mn 257.610†	2602.0	2399.5	0.0006 mg/L		0.0006 mg/L	16:20:29
1	Mo 202.031†	321.7	377.2	-0.0126 mg/L		-0.0126 mg/L	16:20:40
1	Ni 231.604†	25.7	19.5	-0.0023 mg/L		-0.0023 mg/L	16:20:40
1	P 214.914†	-340.1	-650.7	-0.0387 mg/L		-0.0387 mg/L	16:20:40
1	Pb 220.353†	1280.4	1440.9	0.0180 mg/L		0.0180 mg/L	16:20:40
1	Sb 206.836†	82.1	57.5	-0.0083 mg/L		-0.0083 mg/L	16:20:40
1	Se 196.026†	-16.2	-16.5	0.0294 mg/L		0.0294 mg/L	16:20:40
1	Sn 189.927†	-728.5	-825.0	0.1486 mg/L		0.1486 mg/L	16:20:40
1	Ti 337.279†	7105377.7	8073388.1	9.663 mg/L		9.663 mg/L	16:20:27
1	Tl 190.801†	67.3	68.8	-0.0319 mg/L		-0.0319 mg/L	16:20:40
1	V 292.402†	3467.7	4862.4	-0.0003 mg/L		-0.0003 mg/L	16:20:40
1	Zn 213.857†	3917.7	3363.6	0.0194 mg/L		0.0194 mg/L	16:20:40
2	B 249.677†	4.1	1.6	0.0030 mg/L		0.0030 mg/L	16:20:18
2	Fe 234.349†	48797.0	55547.5	87.48 mg/L		87.48 mg/L	16:20:08
2	K 766.490†	392.2	139.3	0.1487 mg/L		0.1487 mg/L	16:20:08
2	Li 670.784†	-107.6	67.1	0.0050 mg/L		0.0050 mg/L	16:20:08
2	Na 589.592†	-263.7	-8.1	-0.0805 mg/L		-0.0805 mg/L	16:20:08
2	Sr 407.771†	687.1	673.4	0.0012 mg/L		0.0012 mg/L	16:20:08
2	Y 371.029	2747030.7	2747030.7	0.878 mg/L			16:20:47
2	Ag 328.068†	918.3	-993.6	0.0003 mg/L		0.0003 mg/L	16:20:49
2	Al 237.313†	2176411.4	2477830.1	238.6 mg/L		238.6 mg/L	16:20:47
2	As 188.979†	-19.8	-30.3	0.0149 mg/L		0.0149 mg/L	16:21:00
2	B 182.528†	13.7	22.3	0.0274 mg/L		0.0274 mg/L	16:21:00
2	Ba 233.527†	137.3	222.9	0.0004 mg/L		0.0004 mg/L	16:21:00
2	Be 313.107†	-433.6	411.5	0.0003 mg/L		0.0003 mg/L	16:20:49
2	Ca 315.887†	27953977.6	31821992.7	226.4 mg/L		226.4 mg/L	16:20:44
2	Cd 228.802†	111.6	34.1	0.0010 mg/L		0.0010 mg/L	16:21:00
2	Co 228.616†	890.9	1048.7	-0.0052 mg/L		-0.0052 mg/L	16:21:00
2	Cr 267.716†	694.7	154.9	0.0007 mg/L		0.0007 mg/L	16:21:00
2	Cu 324.752†	64.5	-1695.1	-0.0019 mg/L		-0.0019 mg/L	16:20:49
2	Fe 238.204†	11171299.4	12716829.1	81.06 mg/L		81.06 mg/L	16:20:44
2	Mg 279.077†	3371819.4	3838239.8	226.7 mg/L		226.7 mg/L	16:20:47
2	Mn 257.610†	2335.6	2102.2	0.0003 mg/L		0.0003 mg/L	16:20:49
2	Mo 202.031†	290.7	342.7	-0.0136 mg/L		-0.0136 mg/L	16:21:00
2	Ni 231.604†	57.2	55.5	-0.0015 mg/L		-0.0015 mg/L	16:21:00
2	P 214.914†	-349.9	-662.6	-0.0460 mg/L		-0.0460 mg/L	16:21:00

2	Pb 220.353†	1248.6	1407.6	0.0160 mg/L	0.0160 mg/L	16:21:00
2	Sb 206.836†	87.0	63.3	-0.0046 mg/L	-0.0046 mg/L	16:21:00
2	Se 196.026†	-25.7	-27.4	0.0221 mg/L	0.0221 mg/L	16:21:00
2	Sn 189.927†	-726.0	-823.8	0.1458 mg/L	0.1458 mg/L	16:21:00
2	Ti 337.279†	7101685.4	8085839.6	9.677 mg/L	9.677 mg/L	16:20:47
2	Tl 190.801†	69.2	71.1	-0.0300 mg/L	-0.0300 mg/L	16:21:00
2	V 292.402†	3445.1	4844.8	-0.0002 mg/L	-0.0002 mg/L	16:21:00
2	Zn 213.857†	3919.3	3374.6	0.0194 mg/L	0.0194 mg/L	16:21:00

Mean Data: IFA

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	2749864.5	0.879 mg/L		0.0013			0.15%
Ag 328.068†	-1061.3	-0.0001 mg/L		0.00054	-0.0001 mg/L	0.00054	996.07%
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 237.313†	2477552.7	238.6 mg/L		0.04	238.6 mg/L	0.04	0.02%
QC value within limits for Al 237.313 Recovery = 95.42%							
As 188.979†	-27.3	0.0175 mg/L		0.00367	0.0175 mg/L	0.00367	20.97%
QC value greater than the upper limit for As 188.979 Recovery = Not calculated							
B 182.528†	21.2	0.0262 mg/L		0.00170	0.0262 mg/L	0.00170	6.47%
QC value greater than the upper limit for B 182.528 Recovery = Not calculated							
B 249.677†	0.1	0.0013 mg/L		0.00247	0.0013 mg/L	0.00247	193.73%
QC value within limits for B 249.677 Recovery = Not calculated							
Ba 233.527†	219.6	0.0004 mg/L		0.00004	0.0004 mg/L	0.00004	10.34%
QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	368.6	0.0003 mg/L		0.00003	0.0003 mg/L	0.00003	11.55%
QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 315.887†	31785405.7	226.1 mg/L		0.37	226.1 mg/L	0.37	0.16%
QC value within limits for Ca 315.887 Recovery = 90.44%							
Cd 228.802†	36.2	0.0010 mg/L		0.00006	0.0010 mg/L	0.00006	6.46%
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	1033.7	-0.0054 mg/L		0.00035	-0.0054 mg/L	0.00035	6.40%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated							
Cr 267.716†	144.9	0.0006 mg/L		0.00011	0.0006 mg/L	0.00011	17.49%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	-1635.0	-0.0016 mg/L		0.00037	-0.0016 mg/L	0.00037	23.03%
QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 234.349†	55870.6	87.99 mg/L		0.722	87.99 mg/L	0.722	0.82%
QC value within limits for Fe 234.349 Recovery = 87.99%							
Fe 238.204†	12703816.4	80.98 mg/L		0.117	80.98 mg/L	0.117	0.14%
QC value within limits for Fe 238.204 Recovery = 80.98%							
K 766.490†	88.0	0.1104 mg/L		0.05409	0.1104 mg/L	0.05409	48.98%
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	38.2	0.0033 mg/L		0.00235	0.0033 mg/L	0.00235	70.62%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.077†	3837949.5	226.7 mg/L		0.02	226.7 mg/L	0.02	0.01%
QC value within limits for Mg 279.077 Recovery = 90.67%							
Mn 257.610†	2250.8	0.0005 mg/L		0.00024	0.0005 mg/L	0.00024	53.17%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	360.0	-0.0131 mg/L		0.00072	-0.0131 mg/L	0.00072	5.48%
QC value less than the lower limit for Mo 202.031 Recovery = Not calculated							
Na 589.592†	-20.8	-0.0840 mg/L		0.00498	-0.0840 mg/L	0.00498	5.92%
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	37.5	-0.0019 mg/L		0.00054	-0.0019 mg/L	0.00054	28.38%
QC value within limits for Ni 231.604 Recovery = Not calculated							
P 214.914†	-656.6	-0.0423 mg/L		0.00511	-0.0423 mg/L	0.00511	12.06%
QC value less than the lower limit for P 214.914 Recovery = Not calculated							
Pb 220.353†	1424.3	0.0170 mg/L		0.00142	0.0170 mg/L	0.00142	8.34%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	60.4	-0.0064 mg/L		0.00263	-0.0064 mg/L	0.00263	40.90%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	-21.9	0.0257 mg/L		0.00517	0.0257 mg/L	0.00517	20.11%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated							
Sn 189.927†	-824.4	0.1472 mg/L		0.00200	0.1472 mg/L	0.00200	1.36%
QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	599.4	0.0010 mg/L		0.00018	0.0010 mg/L	0.00018	17.34%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 337.279†	8079613.9	9.670 mg/L		0.0105	9.670 mg/L	0.0105	0.11%
QC value within limits for Ti 337.279 Recovery = 96.70%							
Tl 190.801†	69.9	-0.0310 mg/L		0.00129	-0.0310 mg/L	0.00129	4.18%
QC value less than the lower limit for Tl 190.801 Recovery = Not calculated							
V 292.402†	4853.6	-0.0003 mg/L		0.00006	-0.0003 mg/L	0.00006	24.84%

QC value within limits for V 292.402 Recovery = Not calculated
 Zn 213.857† 3369.1 0.0194 mg/L 0.00005 0.0194 mg/L 0.00005 0.26%
 QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 12 Autosampler Location: 159
 Sample ID: IFB Date Collected: 10/11/2012 4:22:38 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-2.4	-5.8	-0.0062	mg/L	-0.0062	mg/L	16:24:28
1	Fe 234.349†	47903.3	53898.0	84.87	mg/L	84.87	mg/L	16:24:18
1	K 766.490†	319.2	52.0	0.0836	mg/L	0.0836	mg/L	16:24:28
1	Li 670.784†	-161.5	7.8	0.0016	mg/L	0.0016	mg/L	16:24:28
1	Na 589.592†	-238.6	23.6	-0.0718	mg/L	-0.0718	mg/L	16:24:28
1	Sr 407.771†	623.5	592.7	0.0010	mg/L	0.0010	mg/L	16:24:28
1	Y 371.029	2779245.2	2779245.2	0.889	mg/L			16:24:50
1	Ag 328.068†	71780.3	78730.4	0.4947	mg/L	0.4947	mg/L	16:24:52
1	Al 237.313†	2191096.4	2465635.0	237.4	mg/L	237.4	mg/L	16:24:50
1	As 188.979†	-20.1	-30.5	0.0133	mg/L	0.0133	mg/L	16:25:03
1	B 182.528†	8.9	16.7	0.0210	mg/L	0.0210	mg/L	16:25:03
1	Ba 233.527†	22602.0	25499.0	0.2285	mg/L	0.2285	mg/L	16:25:03
1	Be 313.107†	421543.0	475238.0	0.2290	mg/L	0.2290	mg/L	16:24:50
1	Ca 315.887†	28362861.9	31913211.8	227.0	mg/L	227.0	mg/L	16:24:47
1	Cd 228.802†	15142.1	16945.3	0.4492	mg/L	0.4492	mg/L	16:25:03
1	Co 228.616†	10483.3	11830.6	0.2017	mg/L	0.2017	mg/L	16:25:03
1	Cr 267.716†	25424.0	27971.9	0.2248	mg/L	0.2248	mg/L	16:24:52
1	Cu 324.752†	47599.9	51792.4	0.2270	mg/L	0.2270	mg/L	16:24:52
1	Fe 238.204†	11344847.4	12764698.4	81.37	mg/L	81.37	mg/L	16:24:47
1	Mg 279.077†	3385512.6	3809154.6	225.0	mg/L	225.0	mg/L	16:24:50
1	Mn 257.610†	167879.9	188346.8	0.2165	mg/L	0.2165	mg/L	16:24:52
1	Mo 202.031†	312.8	363.8	-0.0122	mg/L	-0.0122	mg/L	16:25:03
1	Ni 231.604†	17423.2	19595.5	0.4117	mg/L	0.4117	mg/L	16:25:03
1	P 214.914†	-246.9	-542.1	-0.0074	mg/L	-0.0074	mg/L	16:25:03
1	Pb 220.353†	7572.9	8507.5	0.4403	mg/L	0.4403	mg/L	16:25:03
1	Sb 206.836†	75.7	49.5	-0.0110	mg/L	-0.0110	mg/L	16:25:03
1	Se 196.026†	-31.3	-33.3	0.0172	mg/L	0.0172	mg/L	16:25:03
1	Sn 189.927†	-720.0	-807.5	0.1403	mg/L	0.1403	mg/L	16:25:03
1	Ti 337.279†	1029.1	2255.9	0.0039	mg/L	0.0039	mg/L	16:24:52
1	Tl 190.801†	55.8	55.1	-0.0250	mg/L	-0.0250	mg/L	16:25:03
1	V 292.402†	45817.7	52478.3	0.2280	mg/L	0.2280	mg/L	16:24:52
1	Zn 213.857†	62108.0	68798.5	0.4592	mg/L	0.4592	mg/L	16:24:52
2	B 249.677†	-5.4	-9.2	-0.0101	mg/L	-0.0101	mg/L	16:24:40
2	Fe 234.349†	48296.9	54200.3	85.34	mg/L	85.34	mg/L	16:24:30
2	K 766.490†	313.2	44.3	0.0779	mg/L	0.0779	mg/L	16:24:40
2	Li 670.784†	-136.8	36.1	0.0032	mg/L	0.0032	mg/L	16:24:40
2	Na 589.592†	-205.9	61.1	-0.0614	mg/L	-0.0614	mg/L	16:24:40
2	Sr 407.771†	572.2	533.4	0.0009	mg/L	0.0009	mg/L	16:24:40
2	Y 371.029	2786456.6	2786456.6	0.891	mg/L			16:25:10
2	Ag 328.068†	71800.6	78544.0	0.4936	mg/L	0.4936	mg/L	16:25:12
2	Al 237.313†	2196434.9	2465245.7	237.4	mg/L	237.4	mg/L	16:25:10
2	As 188.979†	-17.9	-28.0	0.0155	mg/L	0.0155	mg/L	16:25:23
2	B 182.528†	16.4	25.1	0.0307	mg/L	0.0307	mg/L	16:25:23
2	Ba 233.527†	22496.8	25315.1	0.2269	mg/L	0.2269	mg/L	16:25:23
2	Be 313.107†	422281.7	474839.4	0.2289	mg/L	0.2289	mg/L	16:25:10
2	Ca 315.887†	28466720.9	31947178.2	227.3	mg/L	227.3	mg/L	16:25:07
2	Cd 228.802†	15074.1	16824.9	0.4460	mg/L	0.4460	mg/L	16:25:23
2	Co 228.616†	10457.6	11771.2	0.2007	mg/L	0.2007	mg/L	16:25:23
2	Cr 267.716†	25458.5	27936.6	0.2245	mg/L	0.2245	mg/L	16:25:12
2	Cu 324.752†	47524.2	51568.8	0.2260	mg/L	0.2260	mg/L	16:25:12
2	Fe 238.204†	11384899.8	12776612.1	81.45	mg/L	81.45	mg/L	16:25:07
2	Mg 279.077†	3396345.5	3811453.4	225.1	mg/L	225.1	mg/L	16:25:10
2	Mn 257.610†	167924.8	187908.4	0.2160	mg/L	0.2160	mg/L	16:25:12
2	Mo 202.031†	284.1	330.6	-0.0136	mg/L	-0.0136	mg/L	16:25:23
2	Ni 231.604†	17383.3	19499.9	0.4097	mg/L	0.4097	mg/L	16:25:23
2	P 214.914†	-251.8	-546.8	-0.0081	mg/L	-0.0081	mg/L	16:25:23
2	Pb 220.353†	7513.0	8418.2	0.4350	mg/L	0.4350	mg/L	16:25:23

2	Sb 206.836†	95.3	71.2	0.0011 mg/L	0.0011 mg/L	16:25:23
2	Se 196.026†	-22.9	-23.7	0.0235 mg/L	0.0235 mg/L	16:25:23
2	Sn 189.927†	-727.4	-813.7	0.1409 mg/L	0.1409 mg/L	16:25:23
2	Ti 337.279†	891.9	2098.9	0.0037 mg/L	0.0037 mg/L	16:25:12
2	Tl 190.801†	53.0	51.8	-0.0271 mg/L	-0.0271 mg/L	16:25:23
2	V 292.402†	45898.4	52435.5	0.2277 mg/L	0.2277 mg/L	16:25:12
2	Zn 213.857†	62160.4	68676.5	0.4584 mg/L	0.4584 mg/L	16:25:12

Mean Data: IFB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	2782850.9	0.890 mg/L	0.0016			0.18%
Ag 328.068†	78637.2	0.4942 mg/L	0.00079	0.4942 mg/L	0.00079	0.16%
QC value within limits for Ag 328.068 Recovery = 98.83%						
Al 237.313†	2465440.4	237.4 mg/L	0.03	237.4 mg/L	0.03	0.01%
QC value within limits for Al 237.313 Recovery = 94.95%						
As 188.979†	-29.2	0.0144 mg/L	0.00153	0.0144 mg/L	0.00153	10.63%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	20.9	0.0259 mg/L	0.00681	0.0259 mg/L	0.00681	26.34%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-7.5	-0.0081 mg/L	0.00275	-0.0081 mg/L	0.00275	33.73%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	25407.0	0.2277 mg/L	0.00117	0.2277 mg/L	0.00117	0.52%
QC value within limits for Ba 233.527 Recovery = 91.08%						
Be 313.107†	475038.7	0.2289 mg/L	0.00014	0.2289 mg/L	0.00014	0.06%
QC value within limits for Be 313.107 Recovery = 91.58%						
Ca 315.887†	31930195.0	227.1 mg/L	0.17	227.1 mg/L	0.17	0.08%
QC value within limits for Ca 315.887 Recovery = 90.85%						
Cd 228.802†	16885.1	0.4476 mg/L	0.00226	0.4476 mg/L	0.00226	0.51%
QC value within limits for Cd 228.802 Recovery = 89.51%						
Co 228.616†	11800.9	0.2012 mg/L	0.00073	0.2012 mg/L	0.00073	0.36%
QC value within limits for Co 228.616 Recovery = 80.49%						
Cr 267.716†	27954.3	0.2247 mg/L	0.00020	0.2247 mg/L	0.00020	0.09%
QC value within limits for Cr 267.716 Recovery = 89.87%						
Cu 324.752†	51680.6	0.2265 mg/L	0.00070	0.2265 mg/L	0.00070	0.31%
QC value within limits for Cu 324.752 Recovery = 90.60%						
Fe 234.349†	54049.2	85.11 mg/L	0.337	85.11 mg/L	0.337	0.40%
QC value within limits for Fe 234.349 Recovery = 85.11%						
Fe 238.204†	12770655.2	81.41 mg/L	0.054	81.41 mg/L	0.054	0.07%
QC value within limits for Fe 238.204 Recovery = 81.41%						
K 766.490†	48.1	0.0807 mg/L	0.00403	0.0807 mg/L	0.00403	4.99%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	22.0	0.0024 mg/L	0.00115	0.0024 mg/L	0.00115	48.03%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	3810304.0	225.0 mg/L	0.10	225.0 mg/L	0.10	0.04%
QC value within limits for Mg 279.077 Recovery = 90.02%						
Mn 257.610†	188127.6	0.2163 mg/L	0.00036	0.2163 mg/L	0.00036	0.17%
QC value within limits for Mn 257.610 Recovery = 86.51%						
Mo 202.031†	347.2	-0.0129 mg/L	0.00101	-0.0129 mg/L	0.00101	7.83%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	42.3	-0.0666 mg/L	0.00732	-0.0666 mg/L	0.00732	10.99%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	19547.7	0.4107 mg/L	0.00143	0.4107 mg/L	0.00143	0.35%
QC value within limits for Ni 231.604 Recovery = 82.14%						
P 214.914†	-544.5	-0.0077 mg/L	0.00054	-0.0077 mg/L	0.00054	6.96%
QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	8462.8	0.4377 mg/L	0.00377	0.4377 mg/L	0.00377	0.86%
QC value within limits for Pb 220.353 Recovery = 87.54%						
Sb 206.836†	60.4	-0.0050 mg/L	0.00854	-0.0050 mg/L	0.00854	172.15%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-28.5	0.0203 mg/L	0.00444	0.0203 mg/L	0.00444	21.86%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-810.6	0.1406 mg/L	0.00041	0.1406 mg/L	0.00041	0.29%
QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	563.1	0.0010 mg/L	0.00007	0.0010 mg/L	0.00007	7.41%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	2177.4	0.0038 mg/L	0.00013	0.0038 mg/L	0.00013	3.51%
QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	53.4	-0.0261 mg/L	0.00148	-0.0261 mg/L	0.00148	5.68%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	52456.9	0.2279 mg/L	0.00021	0.2279 mg/L	0.00021	0.09%
QC value within limits for V 292.402 Recovery = 91.15%						

Zn 213.857† 68737.5 0.4588 mg/L 0.00057 0.4588 mg/L 0.00057 0.13%
 QC value within limits for Zn 213.857 Recovery= 91.76%
 QC Failed. Continue with analysis.

Sequence No.: 13 Autosampler Location: 0
 Sample ID: WASH Date Collected: 10/11/2012 4:27:01 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-2.6	-5.7	-0.0055 mg/L	-0.0055 mg/L	16:28:53
1	Fe 234.349†	39.8	35.9	0.0574 mg/L	0.0574 mg/L	16:28:53
1	K 766.490†	355.9	52.1	0.0837 mg/L	0.0837 mg/L	16:28:43
1	Li 670.784†	-148.3	39.8	0.0034 mg/L	0.0034 mg/L	16:28:43
1	Na 589.592†	6.0	298.1	0.0040 mg/L	0.0040 mg/L	16:28:43
1	Sr 407.771†	237.3	130.8	0.0002 mg/L	0.0002 mg/L	16:28:43
1	Y 371.029	3097269.3	3097269.3	0.990 mg/L		16:29:17
1	Ag 328.068†	2085.4	66.6	0.0002 mg/L	0.0002 mg/L	16:29:20
1	Al 237.313†	1334.9	1495.0	0.1272 mg/L	0.1272 mg/L	16:29:20
1	As 188.979†	11.0	3.2	0.0044 mg/L	0.0044 mg/L	16:29:30
1	B 182.528†	-9.2	-2.7	-0.0013 mg/L	-0.0013 mg/L	16:29:30
1	Ba 233.527†	-29.0	37.3	-0.0012 mg/L	-0.0012 mg/L	16:29:30
1	Be 313.107†	-638.3	260.6	0.0002 mg/L	0.0002 mg/L	16:29:20
1	Ca 315.887†	27328.4	26057.4	0.1718 mg/L	0.1718 mg/L	16:29:20
1	Cd 228.802†	106.7	14.8	0.0003 mg/L	0.0003 mg/L	16:29:30
1	Co 228.616†	-10.5	23.9	-0.0041 mg/L	-0.0041 mg/L	16:29:30
1	Cr 267.716†	831.8	203.9	0.0011 mg/L	0.0011 mg/L	16:29:20
1	Cu 324.752†	3598.7	1865.2	0.0063 mg/L	0.0063 mg/L	16:29:20
1	Fe 238.204†	13084.3	12345.0	0.0695 mg/L	0.0695 mg/L	16:29:20
1	Mg 279.077†	2867.9	2569.4	0.1244 mg/L	0.1244 mg/L	16:29:20
1	Mn 257.610†	2061.7	1525.0	-0.0004 mg/L	-0.0004 mg/L	16:29:20
1	Mo 202.031†	49.5	61.7	0.0027 mg/L	0.0027 mg/L	16:29:30
1	Ni 231.604†	133.5	125.1	-0.0001 mg/L	-0.0001 mg/L	16:29:30
1	P 214.914†	266.6	5.0	0.0176 mg/L	0.0176 mg/L	16:29:30
1	Pb 220.353†	14.0	0.4	-0.0027 mg/L	-0.0027 mg/L	16:29:30
1	Sb 206.836†	41.2	5.9	0.0018 mg/L	0.0018 mg/L	16:29:30
1	Se 196.026†	3.5	5.4	0.0055 mg/L	0.0055 mg/L	16:29:30
1	Sn 189.927†	0.1	2.8	-0.0017 mg/L	-0.0017 mg/L	16:29:30
1	Ti 337.279†	797.8	1903.5	0.0035 mg/L	0.0035 mg/L	16:29:20
1	Tl 190.801†	2.1	-5.6	-0.0090 mg/L	-0.0090 mg/L	16:29:30
1	V 292.402†	-1033.0	-120.2	0.0015 mg/L	0.0015 mg/L	16:29:20
1	Zn 213.857†	1606.3	534.6	0.0002 mg/L	0.0002 mg/L	16:29:30
2	B 249.677†	-1.7	-4.9	-0.0045 mg/L	-0.0045 mg/L	16:29:14
2	Fe 234.349†	42.2	37.8	0.0602 mg/L	0.0602 mg/L	16:29:14
2	K 766.490†	372.4	62.9	0.0918 mg/L	0.0918 mg/L	16:29:04
2	Li 670.784†	-138.7	51.7	0.0041 mg/L	0.0041 mg/L	16:29:04
2	Na 589.592†	26.7	318.6	0.0096 mg/L	0.0096 mg/L	16:29:04
2	Sr 407.771†	216.9	106.9	0.0002 mg/L	0.0002 mg/L	16:29:04
2	Y 371.029	3145963.9	3145963.9	1.01 mg/L		16:29:32
2	Ag 328.068†	2020.8	-30.2	-0.0004 mg/L	-0.0004 mg/L	16:29:35
2	Al 237.313†	1513.4	1651.6	0.1423 mg/L	0.1423 mg/L	16:29:35
2	As 188.979†	11.9	3.9	0.0049 mg/L	0.0049 mg/L	16:29:45
2	B 182.528†	-12.3	-5.5	-0.0046 mg/L	-0.0046 mg/L	16:29:45
2	Ba 233.527†	-8.9	57.6	-0.0010 mg/L	-0.0010 mg/L	16:29:45
2	Be 313.107†	-556.4	352.0	0.0002 mg/L	0.0002 mg/L	16:29:35
2	Ca 315.887†	28529.2	26823.9	0.1772 mg/L	0.1772 mg/L	16:29:35
2	Cd 228.802†	103.5	9.9	0.0002 mg/L	0.0002 mg/L	16:29:45
2	Co 228.616†	-29.1	5.6	-0.0044 mg/L	-0.0044 mg/L	16:29:45
2	Cr 267.716†	944.2	302.6	0.0019 mg/L	0.0019 mg/L	16:29:35
2	Cu 324.752†	3675.1	1884.9	0.0064 mg/L	0.0064 mg/L	16:29:35
2	Fe 238.204†	13813.7	12865.5	0.0728 mg/L	0.0728 mg/L	16:29:35
2	Mg 279.077†	3059.7	2715.2	0.1330 mg/L	0.1330 mg/L	16:29:35
2	Mn 257.610†	2029.5	1460.8	-0.0005 mg/L	-0.0005 mg/L	16:29:35
2	Mo 202.031†	51.4	62.8	0.0028 mg/L	0.0028 mg/L	16:29:45
2	Ni 231.604†	138.3	127.8	0.0000 mg/L	0.0000 mg/L	16:29:45
2	P 214.914†	277.7	11.9	0.0204 mg/L	0.0204 mg/L	16:29:45
2	Pb 220.353†	-30.7	-44.3	-0.0053 mg/L	-0.0053 mg/L	16:29:45
2	Sb 206.836†	34.5	-1.4	-0.0023 mg/L	-0.0023 mg/L	16:29:45

2	Se 196.026†	-0.4	1.5	0.0030 mg/L	0.0030 mg/L	16:29:45
2	Sn 189.927†	7.0	9.6	-0.0008 mg/L	-0.0008 mg/L	16:29:45
2	Ti 337.279†	993.1	2085.1	0.0037 mg/L	0.0037 mg/L	16:29:35
2	Tl 190.801†	7.5	-0.3	-0.0061 mg/L	-0.0061 mg/L	16:29:45
2	V 292.402†	-899.7	28.6	0.0022 mg/L	0.0022 mg/L	16:29:35
2	Zn 213.857†	1573.2	476.6	-0.0002 mg/L	-0.0002 mg/L	16:29:45

Mean Data: WASH

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3121616.6	0.998	mg/L	0.0110			1.10%
Ag 328.068†	18.2	-0.0001	mg/L	0.00042	-0.0001 mg/L	0.00042	288.13%
Al 237.313†	1573.3	0.1348	mg/L	0.01066	0.1348 mg/L	0.01066	7.91%
As 188.979†	3.6	0.0047	mg/L	0.00038	0.0047 mg/L	0.00038	8.24%
B 182.528†	-4.1	-0.0029	mg/L	0.00232	-0.0029 mg/L	0.00232	79.06%
B 249.677†	-5.3	-0.0050	mg/L	0.00074	-0.0050 mg/L	0.00074	14.73%
Ba 233.527†	47.4	-0.0011	mg/L	0.00013	-0.0011 mg/L	0.00013	11.47%
Be 313.107†	306.3	0.0002	mg/L	0.00003	0.0002 mg/L	0.00003	13.98%
Ca 315.887†	26440.6	0.1745	mg/L	0.00386	0.1745 mg/L	0.00386	2.21%
Cd 228.802†	12.4	0.0003	mg/L	0.00009	0.0003 mg/L	0.00009	35.64%
Co 228.616†	14.7	-0.0042	mg/L	0.00023	-0.0042 mg/L	0.00023	5.32%
Cr 267.716†	253.3	0.0015	mg/L	0.00056	0.0015 mg/L	0.00056	37.40%
Cu 324.752†	1875.0	0.0063	mg/L	0.00006	0.0063 mg/L	0.00006	0.98%
Fe 234.349†	36.9	0.0588	mg/L	0.00203	0.0588 mg/L	0.00203	3.46%
Fe 238.204†	12605.3	0.0712	mg/L	0.00235	0.0712 mg/L	0.00235	3.30%
K 766.490†	57.5	0.0877	mg/L	0.00570	0.0877 mg/L	0.00570	6.49%
Li 670.784†	45.8	0.0038	mg/L	0.00048	0.0038 mg/L	0.00048	12.81%
Mg 279.077†	2642.3	0.1287	mg/L	0.00609	0.1287 mg/L	0.00609	4.73%
Mn 257.610†	1492.9	-0.0004	mg/L	0.00005	-0.0004 mg/L	0.00005	12.32%
Mo 202.031†	62.3	0.0027	mg/L	0.00003	0.0027 mg/L	0.00003	1.08%
Na 589.592†	308.4	0.0068	mg/L	0.00400	0.0068 mg/L	0.00400	58.78%
Ni 231.604†	126.5	0.0000	mg/L	0.00004	0.0000 mg/L	0.00004	148.23%
P 214.914†	8.4	0.0190	mg/L	0.00198	0.0190 mg/L	0.00198	10.44%
Pb 220.353†	-22.0	-0.0040	mg/L	0.00189	-0.0040 mg/L	0.00189	47.47%
Sb 206.836†	2.2	-0.0002	mg/L	0.00291	-0.0002 mg/L	0.00291	>999.9%
Se 196.026†	3.5	0.0043	mg/L	0.00175	0.0043 mg/L	0.00175	40.81%
Sn 189.927†	6.2	-0.0012	mg/L	0.00064	-0.0012 mg/L	0.00064	51.79%
Sr 407.771†	118.8	0.0002	mg/L	0.00003	0.0002 mg/L	0.00003	13.84%
Ti 337.279†	1994.3	0.0036	mg/L	0.00015	0.0036 mg/L	0.00015	4.31%
Tl 190.801†	-2.9	-0.0076	mg/L	0.00207	-0.0076 mg/L	0.00207	27.32%
V 292.402†	-45.8	0.0019	mg/L	0.00049	0.0019 mg/L	0.00049	26.09%
Zn 213.857†	505.6	0.0000	mg/L	0.00028	0.0000 mg/L	0.00028	>999.9%

Analysis Begun

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Start Time: 10/11/2012 4:34:59 PM      Plasma On Time: 10/11/2012 7:37:31 AM
Logged In Analyst: ICP3                Technique: ICP Continuous
Spectrometer Model: Optima 4300 DV, S/N 077N1032302
Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\101112NB.sif
Batch ID:
Results Data Set: 101112NBD
Results Library: C:\pe\ICP3\Results\Results.mdb

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Sequence No.: 1          Autosampler Location: 3
Sample ID: CCV1         Date Collected: 10/11/2012 4:34:59 PM
Analyst:                Data Type: Original
Initial Sample Wt:       Initial Sample Vol:
Dilution:              Sample Prep Vol:

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Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	397.4	405.9	0.4769 mg/L	0.4769 mg/L	16:36:51
1	Fe 234.349†	1500.1	1539.7	2.419 mg/L	2.419 mg/L	16:36:51
1	K 766.490†	32423.3	33062.7	24.69 mg/L	24.69 mg/L	16:36:41
1	Li 670.784†	8013.2	8436.7	0.4860 mg/L	0.4860 mg/L	16:36:51
1	Na 589.592†	86656.5	89478.5	24.61 mg/L	24.61 mg/L	16:36:41
1	Sr 407.771†	27965.5	28673.2	0.0490 mg/L	0.0490 mg/L	16:36:41

1	Y 371.029	3038580.3	3038580.3	0.972 mg/L			16:37:09
1	Ag 328.068†	40954.2	40110.8	0.2488 mg/L	0.2488 mg/L		16:37:09
1	Al 237.313†	25385.4	26273.8	2.518 mg/L	2.518 mg/L		16:37:19
1	As 188.979†	617.8	628.0	0.4927 mg/L	0.4927 mg/L		16:37:19
1	B 182.528†	400.2	418.6	0.4840 mg/L	0.4840 mg/L		16:37:19
1	Ba 233.527†	54258.3	55908.8	0.5030 mg/L	0.5030 mg/L		16:37:09
1	Be 313.107†	100359.3	104194.4	0.0503 mg/L	0.0503 mg/L		16:37:09
1	Ca 315.887†	689323.6	707912.2	5.025 mg/L	5.025 mg/L		16:37:09
1	Cd 228.802†	9226.2	9402.6	0.2470 mg/L	0.2470 mg/L		16:37:19
1	Co 228.616†	28414.8	29278.8	0.5052 mg/L	0.5052 mg/L		16:37:19
1	Cr 267.716†	61119.9	62268.4	0.5017 mg/L	0.5017 mg/L		16:37:09
1	Cu 324.752†	112365.2	113877.2	0.5019 mg/L	0.5019 mg/L		16:37:09
1	Fe 238.204†	386987.4	397419.1	2.525 mg/L	2.525 mg/L		16:37:09
1	Mg 279.077†	83919.6	86043.3	5.057 mg/L	5.057 mg/L		16:37:09
1	Mn 257.610†	421778.5	433535.5	0.5012 mg/L	0.5012 mg/L		16:37:09
1	Mo 202.031†	12441.5	12816.5	0.4954 mg/L	0.4954 mg/L		16:37:19
1	Ni 231.604†	23352.8	24024.9	0.5062 mg/L	0.5062 mg/L		16:37:09
1	P 214.914†	12110.5	12199.8	4.949 mg/L	4.949 mg/L		16:37:19
1	Pb 220.353†	8146.1	8370.1	0.4964 mg/L	0.4964 mg/L		16:37:19
1	Sb 206.836†	894.0	884.4	0.4980 mg/L	0.4980 mg/L		16:37:19
1	Se 196.026†	1514.1	1560.2	0.9917 mg/L	0.9917 mg/L		16:37:19
1	Sn 189.927†	3693.9	3804.4	0.5048 mg/L	0.5048 mg/L		16:37:19
1	Ti 337.279†	403957.1	416848.3	0.5000 mg/L	0.5000 mg/L		16:37:09
1	Tl 190.801†	903.0	921.6	0.4986 mg/L	0.4986 mg/L		16:37:19
1	V 292.402†	104252.1	108218.0	0.5039 mg/L	0.5039 mg/L		16:37:09
1	Zn 213.857†	73726.9	74792.6	0.4987 mg/L	0.4987 mg/L		16:37:09
2	B 249.677†	403.1	400.0	0.4700 mg/L	0.4700 mg/L		16:37:04
2	Fe 234.349†	1490.7	1486.5	2.336 mg/L	2.336 mg/L		16:37:04
2	K 766.490†	32187.6	31880.4	23.80 mg/L	23.80 mg/L		16:36:54
2	Li 670.784†	8001.6	8191.2	0.4719 mg/L	0.4719 mg/L		16:37:04
2	Na 589.592†	86138.1	86430.3	23.77 mg/L	23.77 mg/L		16:36:54
2	Sr 407.771†	27688.0	27579.3	0.0472 mg/L	0.0472 mg/L		16:36:54
2	Y 371.029	3127285.2	3127285.2	1.000 mg/L			16:37:23
2	Ag 328.068†	41203.2	39164.2	0.2430 mg/L	0.2430 mg/L		16:37:23
2	Al 237.313†	25239.1	25386.3	2.433 mg/L	2.433 mg/L		16:37:33
2	As 188.979†	606.1	598.2	0.4694 mg/L	0.4694 mg/L		16:37:33
2	B 182.528†	400.7	407.3	0.4711 mg/L	0.4711 mg/L		16:37:33
2	Ba 233.527†	54642.4	54709.1	0.4921 mg/L	0.4921 mg/L		16:37:23
2	Be 313.107†	101143.3	102048.6	0.0493 mg/L	0.0493 mg/L		16:37:23
2	Ca 315.887†	696544.6	695009.9	4.933 mg/L	4.933 mg/L		16:37:23
2	Cd 228.802†	9124.1	9031.1	0.2372 mg/L	0.2372 mg/L		16:37:33
2	Co 228.616†	28169.7	28204.2	0.4865 mg/L	0.4865 mg/L		16:37:33
2	Cr 267.716†	61884.1	61248.3	0.4934 mg/L	0.4934 mg/L		16:37:23
2	Cu 324.752†	113319.4	111551.2	0.4916 mg/L	0.4916 mg/L		16:37:23
2	Fe 238.204†	390227.7	389362.2	2.474 mg/L	2.474 mg/L		16:37:23
2	Mg 279.077†	84819.4	84493.2	4.965 mg/L	4.965 mg/L		16:37:23
2	Mn 257.610†	425287.6	424731.7	0.4910 mg/L	0.4910 mg/L		16:37:23
2	Mo 202.031†	12304.8	12316.6	0.4761 mg/L	0.4761 mg/L		16:37:33
2	Ni 231.604†	23424.3	23414.7	0.4932 mg/L	0.4932 mg/L		16:37:23
2	P 214.914†	11989.8	11725.6	4.757 mg/L	4.757 mg/L		16:37:33
2	Pb 220.353†	8111.4	8097.6	0.4802 mg/L	0.4802 mg/L		16:37:33
2	Sb 206.836†	872.2	836.5	0.4709 mg/L	0.4709 mg/L		16:37:33
2	Se 196.026†	1486.0	1488.0	0.9459 mg/L	0.9459 mg/L		16:37:33
2	Sn 189.927†	3637.8	3640.5	0.4830 mg/L	0.4830 mg/L		16:37:33
2	Ti 337.279†	407349.7	408448.2	0.4900 mg/L	0.4900 mg/L		16:37:23
2	Tl 190.801†	893.9	886.2	0.4792 mg/L	0.4792 mg/L		16:37:33
2	V 292.402†	105014.1	105937.2	0.4933 mg/L	0.4933 mg/L		16:37:23
2	Zn 213.857†	74466.7	73379.6	0.4893 mg/L	0.4893 mg/L		16:37:23

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3082932.8	0.986 mg/L	0.0201			2.03%
Ag 328.068†	39637.5	0.2459 mg/L	0.00416	0.2459 mg/L	0.00416	1.69%
QC value within limits for Ag 328.068 Recovery = 98.36%						
Al 237.313†	25830.0	2.476 mg/L	0.0605	2.476 mg/L	0.0605	2.44%
QC value within limits for Al 237.313 Recovery = 99.03%						
As 188.979†	613.1	0.4810 mg/L	0.01647	0.4810 mg/L	0.01647	3.42%
QC value within limits for As 188.979 Recovery = 96.20%						
B 182.528†	413.0	0.4776 mg/L	0.00914	0.4776 mg/L	0.00914	1.91%
QC value within limits for B 182.528 Recovery = 95.52%						
B 249.677†	402.9	0.4735 mg/L	0.00489	0.4735 mg/L	0.00489	1.03%

	QC value within limits for B	249.677	Recovery = 94.70%				
Ba	233.527†	55309.0	0.4976 mg/L	0.00766	0.4976 mg/L	0.00766	1.54%
	QC value within limits for Ba	233.527	Recovery = 99.51%				
Be	313.107†	103121.5	0.0498 mg/L	0.00073	0.0498 mg/L	0.00073	1.47%
	QC value within limits for Be	313.107	Recovery = 99.61%				
Ca	315.887†	701461.1	4.979 mg/L	0.0649	4.979 mg/L	0.0649	1.30%
	QC value within limits for Ca	315.887	Recovery = 99.58%				
Cd	228.802†	9216.8	0.2421 mg/L	0.00689	0.2421 mg/L	0.00689	2.85%
	QC value within limits for Cd	228.802	Recovery = 96.84%				
Co	228.616†	28741.5	0.4958 mg/L	0.01324	0.4958 mg/L	0.01324	2.67%
	QC value within limits for Co	228.616	Recovery = 99.17%				
Cr	267.716†	61758.3	0.4976 mg/L	0.00583	0.4976 mg/L	0.00583	1.17%
	QC value within limits for Cr	267.716	Recovery = 99.51%				
Cu	324.752†	112714.2	0.4967 mg/L	0.00728	0.4967 mg/L	0.00728	1.47%
	QC value within limits for Cu	324.752	Recovery = 99.35%				
Fe	234.349†	1513.1	2.378 mg/L	0.0592	2.378 mg/L	0.0592	2.49%
	QC value within limits for Fe	234.349	Recovery = 95.10%				
Fe	238.204†	393390.7	2.499 mg/L	0.0363	2.499 mg/L	0.0363	1.45%
	QC value within limits for Fe	238.204	Recovery = 99.98%				
K	766.490†	32471.5	24.25 mg/L	0.623	24.25 mg/L	0.623	2.57%
	QC value within limits for K	766.490	Recovery = 96.98%				
Li	670.784†	8314.0	0.4789 mg/L	0.00998	0.4789 mg/L	0.00998	2.08%
	QC value within limits for Li	670.784	Recovery = 95.79%				
Mg	279.077†	85268.3	5.011 mg/L	0.0648	5.011 mg/L	0.0648	1.29%
	QC value within limits for Mg	279.077	Recovery = 100.22%				
Mn	257.610†	429133.6	0.4961 mg/L	0.00723	0.4961 mg/L	0.00723	1.46%
	QC value within limits for Mn	257.610	Recovery = 99.22%				
Mo	202.031†	12566.6	0.4858 mg/L	0.01366	0.4858 mg/L	0.01366	2.81%
	QC value within limits for Mo	202.031	Recovery = 97.15%				
Na	589.592†	87954.4	24.19 mg/L	0.595	24.19 mg/L	0.595	2.46%
	QC value within limits for Na	589.592	Recovery = 96.78%				
Ni	231.604†	23719.8	0.4997 mg/L	0.00915	0.4997 mg/L	0.00915	1.83%
	QC value within limits for Ni	231.604	Recovery = 99.94%				
P	214.914†	11962.7	4.853 mg/L	0.1357	4.853 mg/L	0.1357	2.80%
	QC value within limits for P	214.914	Recovery = 97.05%				
Pb	220.353†	8233.9	0.4883 mg/L	0.01150	0.4883 mg/L	0.01150	2.35%
	QC value within limits for Pb	220.353	Recovery = 97.66%				
Sb	206.836†	860.5	0.4845 mg/L	0.01912	0.4845 mg/L	0.01912	3.95%
	QC value within limits for Sb	206.836	Recovery = 96.89%				
Se	196.026†	1524.1	0.9688 mg/L	0.03239	0.9688 mg/L	0.03239	3.34%
	QC value within limits for Se	196.026	Recovery = 96.88%				
Sn	189.927†	3722.4	0.4939 mg/L	0.01541	0.4939 mg/L	0.01541	3.12%
	QC value within limits for Sn	189.927	Recovery = 98.78%				
Sr	407.771†	28126.2	0.0481 mg/L	0.00132	0.0481 mg/L	0.00132	2.75%
	QC value within limits for Sr	407.771	Recovery = 96.22%				
Ti	337.279†	412648.3	0.4950 mg/L	0.00711	0.4950 mg/L	0.00711	1.44%
	QC value within limits for Ti	337.279	Recovery = 99.00%				
Tl	190.801†	903.9	0.4889 mg/L	0.01373	0.4889 mg/L	0.01373	2.81%
	QC value within limits for Tl	190.801	Recovery = 97.78%				
V	292.402†	107077.9	0.4986 mg/L	0.00751	0.4986 mg/L	0.00751	1.51%
	QC value within limits for V	292.402	Recovery = 99.72%				
Zn	213.857†	74085.8	0.4940 mg/L	0.00669	0.4940 mg/L	0.00669	1.35%
	QC value within limits for Zn	213.857	Recovery = 98.80%				

All analyte(s) passed QC.

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Sequence No.: 2                               Autosampler Location: 1
Sample ID: CCB1                               Date Collected: 10/11/2012 4:39:12 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
=====

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Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-2.5	-5.7	-0.0055 mg/L	-0.0055 mg/L	16:41:12
1	Fe 234.349†	2.4	-1.8	-0.0021 mg/L	-0.0021 mg/L	16:41:12
1	K 766.490†	203.2	-103.7	-0.0324 mg/L	-0.0324 mg/L	16:41:02
1	Li 670.784†	-117.5	71.9	0.0053 mg/L	0.0053 mg/L	16:41:02
1	Na 589.592†	-469.5	-178.1	-0.1274 mg/L	-0.1274 mg/L	16:41:02
1	Sr 407.771†	94.1	-14.6	0.0000 mg/L	0.0000 mg/L	16:41:02
1	Y 371.029	3122697.0	3122697.0	0.999 mg/L		16:41:36

1	Ag	328.068†	2063.6	27.6	-0.0001	mg/L	-0.0001	mg/L	16:41:39
1	Al	237.313†	-236.3	-89.4	-0.0253	mg/L	-0.0253	mg/L	16:41:39
1	As	188.979†	10.0	2.1	0.0035	mg/L	0.0035	mg/L	16:41:49
1	B	182.528†	-9.4	-2.7	-0.0014	mg/L	-0.0014	mg/L	16:41:49
1	Ba	233.527†	-67.9	-1.5	-0.0016	mg/L	-0.0016	mg/L	16:41:49
1	Be	313.107†	-897.5	6.2	0.0001	mg/L	0.0001	mg/L	16:41:39
1	Ca	315.887†	1125.7	-408.6	-0.0165	mg/L	-0.0165	mg/L	16:41:39
1	Cd	228.802†	85.4	-7.5	-0.0003	mg/L	-0.0003	mg/L	16:41:49
1	Co	228.616†	-20.7	13.7	-0.0043	mg/L	-0.0043	mg/L	16:41:49
1	Cr	267.716†	685.0	50.1	-0.0001	mg/L	-0.0001	mg/L	16:41:39
1	Cu	324.752†	1778.4	12.6	-0.0019	mg/L	-0.0019	mg/L	16:41:39
1	Fe	238.204†	842.8	-22.2	-0.0093	mg/L	-0.0093	mg/L	16:41:49
1	Mg	279.077†	327.2	1.4	-0.0273	mg/L	-0.0273	mg/L	16:41:39
1	Mn	257.610†	639.9	84.2	-0.0021	mg/L	-0.0021	mg/L	16:41:39
1	Mo	202.031†	15.0	26.8	0.0014	mg/L	0.0014	mg/L	16:41:49
1	Ni	231.604†	21.4	11.7	-0.0025	mg/L	-0.0025	mg/L	16:41:39
1	P	214.914†	243.5	-20.4	0.0073	mg/L	0.0073	mg/L	16:41:49
1	Pb	220.353†	19.3	5.5	-0.0023	mg/L	-0.0023	mg/L	16:41:49
1	Sb	206.836†	34.4	-1.2	-0.0021	mg/L	-0.0021	mg/L	16:41:49
1	Se	196.026†	-0.1	1.9	0.0032	mg/L	0.0032	mg/L	16:41:49
1	Sn	189.927†	10.4	13.1	-0.0005	mg/L	-0.0005	mg/L	16:41:49
1	Ti	337.279†	-979.2	117.2	0.0013	mg/L	0.0013	mg/L	16:41:39
1	Tl	190.801†	6.3	-1.4	-0.0067	mg/L	-0.0067	mg/L	16:41:49
1	V	292.402†	-873.3	48.3	0.0023	mg/L	0.0023	mg/L	16:41:39
1	Zn	213.857†	1200.7	115.1	-0.0026	mg/L	-0.0026	mg/L	16:41:49
2	B	249.677†	-5.2	-8.4	-0.0086	mg/L	-0.0086	mg/L	16:41:33
2	Fe	234.349†	6.1	1.9	0.0038	mg/L	0.0038	mg/L	16:41:33
2	K	766.490†	197.5	-107.9	-0.0356	mg/L	-0.0356	mg/L	16:41:23
2	Li	670.784†	-128.9	59.5	0.0045	mg/L	0.0045	mg/L	16:41:23
2	Na	589.592†	-439.3	-151.3	-0.1200	mg/L	-0.1200	mg/L	16:41:23
2	Sr	407.771†	92.5	-15.4	0.0000	mg/L	0.0000	mg/L	16:41:23
2	Y	371.029	3098497.0	3098497.0	0.991	mg/L			16:41:51
2	Ag	328.068†	1997.3	-23.1	-0.0004	mg/L	-0.0004	mg/L	16:41:53
2	Al	237.313†	-64.9	81.8	-0.0089	mg/L	-0.0089	mg/L	16:41:53
2	As	188.979†	8.0	0.2	0.0020	mg/L	0.0020	mg/L	16:42:04
2	B	182.528†	-8.6	-2.0	-0.0005	mg/L	-0.0005	mg/L	16:42:04
2	Ba	233.527†	-69.1	-3.2	-0.0016	mg/L	-0.0016	mg/L	16:42:04
2	Be	313.107†	-827.9	69.4	0.0001	mg/L	0.0001	mg/L	16:41:53
2	Ca	315.887†	1264.4	-259.7	-0.0154	mg/L	-0.0154	mg/L	16:41:53
2	Cd	228.802†	93.6	1.4	0.0000	mg/L	0.0000	mg/L	16:42:04
2	Co	228.616†	-27.0	7.2	-0.0044	mg/L	-0.0044	mg/L	16:42:04
2	Cr	267.716†	722.5	93.2	0.0002	mg/L	0.0002	mg/L	16:41:53
2	Cu	324.752†	1834.5	83.1	-0.0016	mg/L	-0.0016	mg/L	16:41:53
2	Fe	238.204†	861.3	3.2	-0.0092	mg/L	-0.0092	mg/L	16:42:04
2	Mg	279.077†	242.7	-81.3	-0.0322	mg/L	-0.0322	mg/L	16:41:53
2	Mn	257.610†	637.6	86.9	-0.0021	mg/L	-0.0021	mg/L	16:41:53
2	Mo	202.031†	13.7	25.6	0.0013	mg/L	0.0013	mg/L	16:42:04
2	Ni	231.604†	50.9	41.7	-0.0018	mg/L	-0.0018	mg/L	16:41:53
2	P	214.914†	263.7	1.9	0.0164	mg/L	0.0164	mg/L	16:42:04
2	Pb	220.353†	21.6	8.0	-0.0021	mg/L	-0.0021	mg/L	16:42:04
2	Sb	206.836†	38.3	3.0	0.0002	mg/L	0.0002	mg/L	16:42:04
2	Se	196.026†	1.8	3.7	0.0044	mg/L	0.0044	mg/L	16:42:04
2	Sn	189.927†	-16.2	-13.6	-0.0040	mg/L	-0.0040	mg/L	16:42:04
2	Ti	337.279†	-1082.9	5.0	0.0012	mg/L	0.0012	mg/L	16:41:53
2	Tl	190.801†	5.8	-1.9	-0.0069	mg/L	-0.0069	mg/L	16:42:04
2	V	292.402†	-895.8	18.7	0.0022	mg/L	0.0022	mg/L	16:41:53
2	Zn	213.857†	1230.5	154.7	-0.0023	mg/L	-0.0023	mg/L	16:42:04

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3110597.0	0.995 mg/L	0.0055			0.55%
Ag 328.068†	2.3	-0.0003 mg/L	0.00022	-0.0003 mg/L	0.00022	88.70%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-3.8	-0.0171 mg/L	0.01165	-0.0171 mg/L	0.01165	68.17%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	1.2	0.0027 mg/L	0.00106	0.0027 mg/L	0.00106	38.57%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-2.4	-0.0010 mg/L	0.00058	-0.0010 mg/L	0.00058	60.36%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-7.0	-0.0070 mg/L	0.00225	-0.0070 mg/L	0.00225	31.99%
QC value within limits for B 249.677 Recovery = Not calculated						

Ba	233.527†	-2.4	-0.0016 mg/L	0.00001	-0.0016 mg/L	0.00001	0.69%
	QC value within limits for Ba 233.527 Recovery = Not calculated						
Be	313.107†	37.8	0.0001 mg/L	0.00002	0.0001 mg/L	0.00002	23.04%
	QC value within limits for Be 313.107 Recovery = Not calculated						
Ca	315.887†	-334.2	-0.0160 mg/L	0.00075	-0.0160 mg/L	0.00075	4.69%
	QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd	228.802†	-3.0	-0.0001 mg/L	0.00017	-0.0001 mg/L	0.00017	123.03%
	QC value within limits for Cd 228.802 Recovery = Not calculated						
Co	228.616†	10.5	-0.0043 mg/L	0.00008	-0.0043 mg/L	0.00008	1.84%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr	267.716†	71.7	0.0000 mg/L	0.00025	0.0000 mg/L	0.00025	627.04%
	QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu	324.752†	47.8	-0.0018 mg/L	0.00022	-0.0018 mg/L	0.00022	12.42%
	QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe	234.349†	0.0	0.0009 mg/L	0.00415	0.0009 mg/L	0.00415	473.41%
	QC value within limits for Fe 234.349 Recovery = Not calculated						
Fe	238.204†	-9.5	-0.0093 mg/L	0.00011	-0.0093 mg/L	0.00011	1.23%
	QC value within limits for Fe 238.204 Recovery = Not calculated						
K	766.490†	-105.8	-0.0340 mg/L	0.00222	-0.0340 mg/L	0.00222	6.53%
	QC value within limits for K 766.490 Recovery = Not calculated						
Li	670.784†	65.7	0.0049 mg/L	0.00050	0.0049 mg/L	0.00050	10.26%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg	279.077†	-40.0	-0.0297 mg/L	0.00346	-0.0297 mg/L	0.00346	11.63%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn	257.610†	85.5	-0.0021 mg/L	0.00000	-0.0021 mg/L	0.00000	0.11%
	QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	26.2	0.0014 mg/L	0.00003	0.0014 mg/L	0.00003	2.53%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na	589.592†	-164.7	-0.1237 mg/L	0.00523	-0.1237 mg/L	0.00523	4.22%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	26.7	-0.0021 mg/L	0.00045	-0.0021 mg/L	0.00045	20.99%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P	214.914†	-9.2	0.0118 mg/L	0.00640	0.0118 mg/L	0.00640	54.11%
	QC value within limits for P 214.914 Recovery = Not calculated						
Pb	220.353†	6.8	-0.0022 mg/L	0.00010	-0.0022 mg/L	0.00010	4.61%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	0.9	-0.0010 mg/L	0.00167	-0.0010 mg/L	0.00167	172.77%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	2.8	0.0038 mg/L	0.00084	0.0038 mg/L	0.00084	21.94%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	-0.3	-0.0023 mg/L	0.00247	-0.0023 mg/L	0.00247	109.41%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	-15.0	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	5.24%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	61.1	0.0013 mg/L	0.00009	0.0013 mg/L	0.00009	7.58%
	QC value greater than the upper limit for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	-1.6	-0.0068 mg/L	0.00020	-0.0068 mg/L	0.00020	2.91%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	33.5	0.0022 mg/L	0.00010	0.0022 mg/L	0.00010	4.29%
	QC value greater than the upper limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	134.9	-0.0025 mg/L	0.00019	-0.0025 mg/L	0.00019	7.52%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

Sequence No.: 3	Autosampler Location: 9
Sample ID: CJ21016-BLK1	Date Collected: 10/11/2012 4:43:41 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CJ21016-BLK1							
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time	
1	B 249.677†	-4.9	-8.0	-0.0082 mg/L	-0.0082 mg/L	16:45:40	
1	Fe 234.349†	9.6	5.3	0.0091 mg/L	0.0091 mg/L	16:45:40	
1	K 766.490†	280.5	-28.7	0.0235 mg/L	0.0235 mg/L	16:45:30	
1	Li 670.784†	-179.5	11.3	0.0018 mg/L	0.0018 mg/L	16:45:30	
1	Na 589.592†	909.7	1195.3	0.2516 mg/L	0.2516 mg/L	16:45:30	
1	Sr 407.771†	305.9	195.0	0.0003 mg/L	0.0003 mg/L	16:45:30	
1	Y 371.029	3149796.7	3149796.7	1.01 mg/L		16:46:04	
1	Ag 328.068†	1886.1	-166.4	-0.0013 mg/L	-0.0013 mg/L	16:46:07	

1	Al	237.313†	-76.2	71.6	-0.0098	mg/L	-0.0098	mg/L	16:46:07
1	As	188.979†	13.6	5.7	0.0063	mg/L	0.0063	mg/L	16:46:17
1	B	182.528†	-9.7	-2.9	-0.0016	mg/L	-0.0016	mg/L	16:46:17
1	Ba	233.527†	136.5	202.1	0.0003	mg/L	0.0003	mg/L	16:46:17
1	Be	313.107†	-780.7	129.9	0.0001	mg/L	0.0001	mg/L	16:46:07
1	Ca	315.887†	8694.7	7096.6	0.0369	mg/L	0.0369	mg/L	16:46:07
1	Cd	228.802†	101.4	7.7	0.0001	mg/L	0.0001	mg/L	16:46:17
1	Co	228.616†	-60.2	-25.3	-0.0049	mg/L	-0.0049	mg/L	16:46:17
1	Cr	267.716†	700.3	59.3	-0.0001	mg/L	-0.0001	mg/L	16:46:07
1	Cu	324.752†	1931.7	149.5	-0.0013	mg/L	-0.0013	mg/L	16:46:07
1	Fe	238.204†	3776.8	2883.6	0.0092	mg/L	0.0092	mg/L	16:46:07
1	Mg	279.077†	1006.0	672.5	0.0124	mg/L	0.0124	mg/L	16:46:07
1	Mn	257.610†	2865.4	2288.3	0.0005	mg/L	0.0005	mg/L	16:46:07
1	Mo	202.031†	1.0	12.8	0.0008	mg/L	0.0008	mg/L	16:46:17
1	Ni	231.604†	47.7	37.7	-0.0019	mg/L	-0.0019	mg/L	16:46:17
1	P	214.914†	249.4	-16.6	0.0089	mg/L	0.0089	mg/L	16:46:17
1	Pb	220.353†	-5.5	-19.2	-0.0038	mg/L	-0.0038	mg/L	16:46:17
1	Sb	206.836†	38.1	2.1	-0.0003	mg/L	-0.0003	mg/L	16:46:17
1	Se	196.026†	-3.5	-1.5	0.0011	mg/L	0.0011	mg/L	16:46:17
1	Sn	189.927†	4.2	6.8	-0.0013	mg/L	-0.0013	mg/L	16:46:17
1	Ti	337.279†	-1003.5	101.6	0.0013	mg/L	0.0013	mg/L	16:46:07
1	Tl	190.801†	7.4	-0.4	-0.0061	mg/L	-0.0061	mg/L	16:46:17
1	V	292.402†	-869.1	60.0	0.0023	mg/L	0.0023	mg/L	16:46:07
1	Zn	213.857†	1371.9	274.8	-0.0015	mg/L	-0.0015	mg/L	16:46:17
2	B	249.677†	0.7	-2.4	-0.0016	mg/L	-0.0016	mg/L	16:46:01
2	Fe	234.349†	13.1	9.2	0.0153	mg/L	0.0153	mg/L	16:46:01
2	K	766.490†	259.4	-41.7	0.0138	mg/L	0.0138	mg/L	16:45:51
2	Li	670.784†	-142.8	43.4	0.0036	mg/L	0.0036	mg/L	16:45:51
2	Na	589.592†	890.8	1204.0	0.2540	mg/L	0.2540	mg/L	16:45:51
2	Sr	407.771†	329.6	228.6	0.0004	mg/L	0.0004	mg/L	16:45:51
2	Y	371.029	3054972.2	3054972.2	0.977	mg/L			16:46:19
2	Ag	328.068†	1956.7	-36.0	-0.0005	mg/L	-0.0005	mg/L	16:46:21
2	Al	237.313†	35.6	183.7	0.0010	mg/L	0.0010	mg/L	16:46:21
2	As	188.979†	6.8	-0.9	0.0011	mg/L	0.0011	mg/L	16:46:32
2	B	182.528†	-11.9	-5.5	-0.0046	mg/L	-0.0046	mg/L	16:46:32
2	Ba	233.527†	166.4	236.9	0.0006	mg/L	0.0006	mg/L	16:46:32
2	Be	313.107†	-710.6	177.7	0.0002	mg/L	0.0002	mg/L	16:46:21
2	Ca	315.887†	8860.4	7534.3	0.0400	mg/L	0.0400	mg/L	16:46:21
2	Cd	228.802†	88.9	-2.0	-0.0001	mg/L	-0.0001	mg/L	16:46:32
2	Co	228.616†	-17.3	16.7	-0.0042	mg/L	-0.0042	mg/L	16:46:32
2	Cr	267.716†	659.7	39.4	-0.0002	mg/L	-0.0002	mg/L	16:46:21
2	Cu	324.752†	1929.0	206.2	-0.0011	mg/L	-0.0011	mg/L	16:46:21
2	Fe	238.204†	3906.4	3132.7	0.0108	mg/L	0.0108	mg/L	16:46:21
2	Mg	279.077†	1046.6	745.1	0.0167	mg/L	0.0167	mg/L	16:46:21
2	Mn	257.610†	2877.4	2388.9	0.0006	mg/L	0.0006	mg/L	16:46:21
2	Mo	202.031†	-0.5	11.2	0.0008	mg/L	0.0008	mg/L	16:46:32
2	Ni	231.604†	40.4	31.7	-0.0020	mg/L	-0.0020	mg/L	16:46:32
2	P	214.914†	244.7	-13.7	0.0101	mg/L	0.0101	mg/L	16:46:32
2	Pb	220.353†	-33.0	-47.6	-0.0055	mg/L	-0.0055	mg/L	16:46:32
2	Sb	206.836†	44.2	9.5	0.0039	mg/L	0.0039	mg/L	16:46:32
2	Se	196.026†	4.4	6.5	0.0061	mg/L	0.0061	mg/L	16:46:32
2	Sn	189.927†	11.5	14.4	-0.0003	mg/L	-0.0003	mg/L	16:46:32
2	Ti	337.279†	-1031.4	42.1	0.0012	mg/L	0.0012	mg/L	16:46:21
2	Tl	190.801†	3.1	-4.5	-0.0084	mg/L	-0.0084	mg/L	16:46:32
2	V	292.402†	-836.8	66.3	0.0024	mg/L	0.0024	mg/L	16:46:21
2	Zn	213.857†	1406.0	352.0	-0.0010	mg/L	-0.0010	mg/L	16:46:32

Mean Data: CJ21016-BLK1

Analyte	Mean Corrected Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	3102384.5	0.992	mg/L	0.0214				2.16%
Ag 328.068†	-101.2	-0.0009	mg/L	0.00057	-0.0009	mg/L	0.00057	64.15%
Al 237.313†	127.6	-0.0044	mg/L	0.00763	-0.0044	mg/L	0.00763	171.87%
As 188.979†	2.4	0.0037	mg/L	0.00361	0.0037	mg/L	0.00361	97.59%
B 182.528†	-4.2	-0.0031	mg/L	0.00211	-0.0031	mg/L	0.00211	68.28%
B 249.677†	-5.2	-0.0049	mg/L	0.00463	-0.0049	mg/L	0.00463	94.35%
Ba 233.527†	219.5	0.0004	mg/L	0.00022	0.0004	mg/L	0.00022	52.78%
Be 313.107†	153.8	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	10.88%
Ca 315.887†	7315.4	0.0385	mg/L	0.00220	0.0385	mg/L	0.00220	5.72%
Cd 228.802†	2.8	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	>999.9%
Co 228.616†	-4.3	-0.0046	mg/L	0.00052	-0.0046	mg/L	0.00052	11.33%
Cr 267.716†	49.4	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	80.40%

Cu 324.752†	177.8	-0.0012	mg/L	0.00018	-0.0012	mg/L	0.00018	14.78%
Fe 234.349†	7.3	0.0122	mg/L	0.00436	0.0122	mg/L	0.00436	35.62%
Fe 238.204†	3008.2	0.0100	mg/L	0.00112	0.0100	mg/L	0.00112	11.25%
K 766.490†	-35.2	0.0186	mg/L	0.00685	0.0186	mg/L	0.00685	36.83%
Li 670.784†	27.4	0.0027	mg/L	0.00130	0.0027	mg/L	0.00130	48.22%
Mg 279.077†	708.8	0.0145	mg/L	0.00303	0.0145	mg/L	0.00303	20.88%
Mn 257.610†	2338.6	0.0006	mg/L	0.00008	0.0006	mg/L	0.00008	14.88%
Mo 202.031†	12.0	0.0008	mg/L	0.00004	0.0008	mg/L	0.00004	5.45%
Na 589.592†	1199.7	0.2528	mg/L	0.00169	0.2528	mg/L	0.00169	0.67%
Ni 231.604†	34.7	-0.0020	mg/L	0.00009	-0.0020	mg/L	0.00009	4.56%
P 214.914†	-15.1	0.0095	mg/L	0.00084	0.0095	mg/L	0.00084	8.86%
Pb 220.353†	-33.4	-0.0046	mg/L	0.00120	-0.0046	mg/L	0.00120	25.98%
Sb 206.836†	5.8	0.0018	mg/L	0.00298	0.0018	mg/L	0.00298	163.50%
Se 196.026†	2.5	0.0036	mg/L	0.00358	0.0036	mg/L	0.00358	98.98%
Sn 189.927†	10.6	-0.0008	mg/L	0.00072	-0.0008	mg/L	0.00072	90.81%
Sr 407.771†	211.8	0.0004	mg/L	0.00004	0.0004	mg/L	0.00004	11.05%
Ti 337.279†	71.8	0.0013	mg/L	0.00005	0.0013	mg/L	0.00005	3.98%
Tl 190.801†	-2.5	-0.0073	mg/L	0.00161	-0.0073	mg/L	0.00161	22.11%
V 292.402†	63.1	0.0023	mg/L	0.00002	0.0023	mg/L	0.00002	0.80%
Zn 213.857†	313.4	-0.0013	mg/L	0.00037	-0.0013	mg/L	0.00037	29.04%

Sequence No.: 4

Autosampler Location: 10

Sample ID: CJ21016-BS1

Date Collected: 10/11/2012 4:48:09 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ21016-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	211.1	211.7	0.2493	mg/L	0.2493	mg/L	16:50:01
1	Fe 234.349†	811.5	821.5	1.291	mg/L	1.291	mg/L	16:50:01
1	K 766.490†	17540.7	17541.6	13.12	mg/L	13.12	mg/L	16:49:51
1	Li 670.784†	4200.6	4464.0	0.2577	mg/L	0.2577	mg/L	16:49:51
1	Na 589.592†	46267.4	47372.2	12.99	mg/L	12.99	mg/L	16:49:51
1	Sr 407.771†	14671.3	14820.2	0.0254	mg/L	0.0254	mg/L	16:49:51
1	Y 371.029	3073305.7	3073305.7	0.983	mg/L			16:50:18
1	Ag 328.068†	23140.8	21508.2	0.1333	mg/L	0.1333	mg/L	16:50:20
1	Al 237.313†	12854.2	13227.2	1.260	mg/L	1.260	mg/L	16:50:20
1	As 188.979†	331.6	329.6	0.2594	mg/L	0.2594	mg/L	16:50:30
1	B 182.528†	202.9	213.1	0.2473	mg/L	0.2473	mg/L	16:50:30
1	Ba 233.527†	29566.7	30152.6	0.2705	mg/L	0.2705	mg/L	16:50:20
1	Be 313.107†	52856.7	54690.2	0.0264	mg/L	0.0264	mg/L	16:50:20
1	Ca 315.887†	354569.7	359262.0	2.543	mg/L	2.543	mg/L	16:50:18
1	Cd 228.802†	4963.3	4957.4	0.1302	mg/L	0.1302	mg/L	16:50:30
1	Co 228.616†	14955.4	15252.5	0.2610	mg/L	0.2610	mg/L	16:50:20
1	Cr 267.716†	33188.3	33135.4	0.2667	mg/L	0.2667	mg/L	16:50:20
1	Cu 324.752†	61771.7	61088.3	0.2683	mg/L	0.2683	mg/L	16:50:20
1	Fe 238.204†	211745.5	214598.8	1.359	mg/L	1.359	mg/L	16:50:20
1	Mg 279.077†	44480.2	44935.2	2.628	mg/L	2.628	mg/L	16:50:20
1	Mn 257.610†	227965.0	231412.7	0.2665	mg/L	0.2665	mg/L	16:50:20
1	Mo 202.031†	6524.4	6650.8	0.2572	mg/L	0.2572	mg/L	16:50:30
1	Ni 231.604†	12439.1	12647.9	0.2652	mg/L	0.2652	mg/L	16:50:20
1	P 214.914†	6360.9	6208.4	2.526	mg/L	2.526	mg/L	16:50:30
1	Pb 220.353†	4350.3	4413.0	0.2605	mg/L	0.2605	mg/L	16:50:30
1	Sb 206.836†	489.3	462.2	0.2595	mg/L	0.2595	mg/L	16:50:30
1	Se 196.026†	787.7	803.4	0.5117	mg/L	0.5117	mg/L	16:50:30
1	Sn 189.927†	1964.3	2001.4	0.2646	mg/L	0.2646	mg/L	16:50:30
1	Ti 337.279†	216378.0	221276.8	0.2660	mg/L	0.2660	mg/L	16:50:20
1	Tl 190.801†	490.4	491.4	0.2631	mg/L	0.2631	mg/L	16:50:30
1	V 292.402†	54571.7	56453.1	0.2639	mg/L	0.2639	mg/L	16:50:20
1	Zn 213.857†	39831.6	39444.0	0.2614	mg/L	0.2614	mg/L	16:50:20
2	B 249.677†	209.6	208.9	0.2460	mg/L	0.2460	mg/L	16:50:14
2	Fe 234.349†	814.3	819.4	1.288	mg/L	1.288	mg/L	16:50:14
2	K 766.490†	17405.9	17298.0	12.94	mg/L	12.94	mg/L	16:50:04
2	Li 670.784†	4222.5	4460.4	0.2575	mg/L	0.2575	mg/L	16:50:04
2	Na 589.592†	46218.8	47040.1	12.90	mg/L	12.90	mg/L	16:50:04
2	Sr 407.771†	14717.2	14777.0	0.0253	mg/L	0.0253	mg/L	16:50:04
2	Y 371.029	3091882.8	3091882.8	0.989	mg/L			16:50:32
2	Ag 328.068†	23302.1	21530.0	0.1334	mg/L	0.1334	mg/L	16:50:35
2	Al 237.313†	13348.2	13648.3	1.300	mg/L	1.300	mg/L	16:50:35

2	As	188.979†	322.8	318.7	0.2509	mg/L	0.2509	mg/L	16:50:45
2	B	182.528†	213.1	222.3	0.2579	mg/L	0.2579	mg/L	16:50:45
2	Ba	233.527†	29980.5	30390.3	0.2727	mg/L	0.2727	mg/L	16:50:35
2	Be	313.107†	53649.0	55168.5	0.0267	mg/L	0.0267	mg/L	16:50:35
2	Ca	315.887†	357059.1	359612.1	2.546	mg/L	2.546	mg/L	16:50:32
2	Cd	228.802†	4962.1	4925.9	0.1294	mg/L	0.1294	mg/L	16:50:45
2	Co	228.616†	15253.9	15463.1	0.2647	mg/L	0.2647	mg/L	16:50:35
2	Cr	267.716†	33655.2	33404.7	0.2689	mg/L	0.2689	mg/L	16:50:35
2	Cu	324.752†	62479.3	61426.3	0.2698	mg/L	0.2698	mg/L	16:50:35
2	Fe	238.204†	215648.3	217251.7	1.376	mg/L	1.376	mg/L	16:50:35
2	Mg	279.077†	45673.2	45870.0	2.683	mg/L	2.683	mg/L	16:50:35
2	Mn	257.610†	230964.3	233052.6	0.2684	mg/L	0.2684	mg/L	16:50:35
2	Mo	202.031†	6518.5	6604.9	0.2555	mg/L	0.2555	mg/L	16:50:45
2	Ni	231.604†	12603.2	12737.8	0.2671	mg/L	0.2671	mg/L	16:50:35
2	P	214.914†	6368.1	6176.8	2.513	mg/L	2.513	mg/L	16:50:45
2	Pb	220.353†	4247.9	4282.7	0.2527	mg/L	0.2527	mg/L	16:50:45
2	Sb	206.836†	487.4	457.3	0.2568	mg/L	0.2568	mg/L	16:50:45
2	Se	196.026†	788.2	799.2	0.5090	mg/L	0.5090	mg/L	16:50:45
2	Sn	189.927†	1967.8	1993.0	0.2635	mg/L	0.2635	mg/L	16:50:45
2	Ti	337.279†	219495.2	223106.7	0.2682	mg/L	0.2682	mg/L	16:50:35
2	Tl	190.801†	490.0	487.9	0.2612	mg/L	0.2612	mg/L	16:50:45
2	V	292.402†	55244.3	56799.8	0.2655	mg/L	0.2655	mg/L	16:50:35
2	Zn	213.857†	40323.0	39697.5	0.2631	mg/L	0.2631	mg/L	16:50:35

Mean Data: CJ21016-BS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3082594.3	0.986	mg/L	0.0042				0.43%
Ag 328.068†	21519.1	0.1334	mg/L	0.00010	0.1334	mg/L	0.00010	0.07%
Al 237.313†	13437.8	1.280	mg/L	0.0287	1.280	mg/L	0.0287	2.24%
As 188.979†	324.1	0.2552	mg/L	0.00603	0.2552	mg/L	0.00603	2.36%
B 182.528†	217.7	0.2526	mg/L	0.00744	0.2526	mg/L	0.00744	2.94%
B 249.677†	210.3	0.2477	mg/L	0.00233	0.2477	mg/L	0.00233	0.94%
Ba 233.527†	30271.5	0.2716	mg/L	0.00152	0.2716	mg/L	0.00152	0.56%
Be 313.107†	54929.3	0.0266	mg/L	0.00016	0.0266	mg/L	0.00016	0.61%
Ca 315.887†	359437.1	2.545	mg/L	0.0018	2.545	mg/L	0.0018	0.07%
Cd 228.802†	4941.7	0.1298	mg/L	0.00056	0.1298	mg/L	0.00056	0.43%
Co 228.616†	15357.8	0.2628	mg/L	0.00259	0.2628	mg/L	0.00259	0.99%
Cr 267.716†	33270.0	0.2678	mg/L	0.00153	0.2678	mg/L	0.00153	0.57%
Cu 324.752†	61257.3	0.2691	mg/L	0.00106	0.2691	mg/L	0.00106	0.39%
Fe 234.349†	820.5	1.290	mg/L	0.0023	1.290	mg/L	0.0023	0.18%
Fe 238.204†	215925.3	1.368	mg/L	0.0120	1.368	mg/L	0.0120	0.87%
K 766.490†	17419.8	13.03	mg/L	0.128	13.03	mg/L	0.128	0.99%
Li 670.784†	4462.2	0.2576	mg/L	0.00015	0.2576	mg/L	0.00015	0.06%
Mg 279.077†	45402.6	2.655	mg/L	0.0390	2.655	mg/L	0.0390	1.47%
Mn 257.610†	232232.7	0.2675	mg/L	0.00135	0.2675	mg/L	0.00135	0.50%
Mo 202.031†	6627.8	0.2563	mg/L	0.00126	0.2563	mg/L	0.00126	0.49%
Na 589.592†	47206.2	12.95	mg/L	0.065	12.95	mg/L	0.065	0.50%
Ni 231.604†	12692.8	0.2661	mg/L	0.00134	0.2661	mg/L	0.00134	0.50%
P 214.914†	6192.6	2.519	mg/L	0.0091	2.519	mg/L	0.0091	0.36%
Pb 220.353†	4347.9	0.2566	mg/L	0.00552	0.2566	mg/L	0.00552	2.15%
Sb 206.836†	459.7	0.2582	mg/L	0.00195	0.2582	mg/L	0.00195	0.76%
Se 196.026†	801.3	0.5103	mg/L	0.00192	0.5103	mg/L	0.00192	0.38%
Sn 189.927†	1997.2	0.2640	mg/L	0.00079	0.2640	mg/L	0.00079	0.30%
Sr 407.771†	14798.6	0.0253	mg/L	0.00005	0.0253	mg/L	0.00005	0.21%
Ti 337.279†	222191.7	0.2671	mg/L	0.00155	0.2671	mg/L	0.00155	0.58%
Tl 190.801†	489.6	0.2622	mg/L	0.00136	0.2622	mg/L	0.00136	0.52%
V 292.402†	56626.5	0.2647	mg/L	0.00112	0.2647	mg/L	0.00112	0.42%
Zn 213.857†	39570.7	0.2623	mg/L	0.00120	0.2623	mg/L	0.00120	0.46%

Sequence No.: 5

Sample ID: CJ21016-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 11

Date Collected: 10/11/2012 4:52:22 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21016-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	207.5	205.8	0.2424	mg/L	0.2424	mg/L	16:54:13

1	Fe 234.349†	805.5	806.8	1.268 mg/L	1.268 mg/L	16:54:13
1	K 766.490†	17522.3	17336.4	12.97 mg/L	12.97 mg/L	16:54:03
1	Li 670.784†	4364.9	4584.7	0.2646 mg/L	0.2646 mg/L	16:54:03
1	Na 589.592†	47021.7	47639.4	13.07 mg/L	13.07 mg/L	16:54:03
1	Sr 407.771†	14852.7	14846.7	0.0254 mg/L	0.0254 mg/L	16:54:03
1	Y 371.029	3105784.6	3105784.6	0.993 mg/L		16:54:30
1	Ag 328.068†	23163.1	21284.5	0.1319 mg/L	0.1319 mg/L	16:54:32
1	Al 237.313†	13066.3	13304.0	1.267 mg/L	1.267 mg/L	16:54:32
1	As 188.979†	327.8	322.3	0.2537 mg/L	0.2537 mg/L	16:54:42
1	B 182.528†	220.3	228.5	0.2651 mg/L	0.2651 mg/L	16:54:42
1	Ba 233.527†	29099.7	29367.8	0.2635 mg/L	0.2635 mg/L	16:54:32
1	Be 313.107†	52912.0	54183.5	0.0262 mg/L	0.0262 mg/L	16:54:32
1	Ca 315.887†	357029.5	357965.8	2.534 mg/L	2.534 mg/L	16:54:30
1	Cd 228.802†	4981.8	4923.3	0.1293 mg/L	0.1293 mg/L	16:54:42
1	Co 228.616†	14895.6	15033.2	0.2572 mg/L	0.2572 mg/L	16:54:32
1	Cr 267.716†	32909.3	32501.3	0.2616 mg/L	0.2616 mg/L	16:54:32
1	Cu 324.752†	61943.5	60603.9	0.2662 mg/L	0.2662 mg/L	16:54:32
1	Fe 238.204†	208699.0	209278.0	1.325 mg/L	1.325 mg/L	16:54:32
1	Mg 279.077†	44485.9	44467.7	2.600 mg/L	2.600 mg/L	16:54:32
1	Mn 257.610†	228649.3	229675.9	0.2645 mg/L	0.2645 mg/L	16:54:32
1	Mo 202.031†	6524.5	6581.4	0.2546 mg/L	0.2546 mg/L	16:54:42
1	Ni 231.604†	12364.0	12439.9	0.2608 mg/L	0.2608 mg/L	16:54:32
1	P 214.914†	6382.2	6162.1	2.507 mg/L	2.507 mg/L	16:54:42
1	Pb 220.353†	4317.1	4333.2	0.2557 mg/L	0.2557 mg/L	16:54:42
1	Sb 206.836†	480.3	447.9	0.2515 mg/L	0.2515 mg/L	16:54:42
1	Se 196.026†	795.5	803.0	0.5114 mg/L	0.5114 mg/L	16:54:42
1	Sn 189.927†	1971.3	1987.6	0.2627 mg/L	0.2627 mg/L	16:54:42
1	Ti 337.279†	216463.6	219060.4	0.2633 mg/L	0.2633 mg/L	16:54:32
1	Tl 190.801†	490.7	486.4	0.2604 mg/L	0.2604 mg/L	16:54:42
1	V 292.402†	54682.4	55983.9	0.2617 mg/L	0.2617 mg/L	16:54:32
1	Zn 213.857†	40051.5	39241.6	0.2601 mg/L	0.2601 mg/L	16:54:32
2	B 249.677†	209.0	204.2	0.2405 mg/L	0.2405 mg/L	16:54:26
2	Fe 234.349†	802.8	792.1	1.245 mg/L	1.245 mg/L	16:54:26
2	K 766.490†	17517.2	17069.8	12.77 mg/L	12.77 mg/L	16:54:16
2	Li 670.784†	4287.4	4442.7	0.2565 mg/L	0.2565 mg/L	16:54:16
2	Na 589.592†	46594.7	46513.9	12.76 mg/L	12.76 mg/L	16:54:16
2	Sr 407.771†	14672.6	14446.4	0.0247 mg/L	0.0247 mg/L	16:54:16
2	Y 371.029	3152518.6	3152518.6	1.01 mg/L		16:54:44
2	Ag 328.068†	23391.1	21164.9	0.1312 mg/L	0.1312 mg/L	16:54:47
2	Al 237.313†	13187.4	13229.0	1.260 mg/L	1.260 mg/L	16:54:47
2	As 188.979†	324.5	314.0	0.2472 mg/L	0.2472 mg/L	16:54:57
2	B 182.528†	205.1	210.1	0.2439 mg/L	0.2439 mg/L	16:54:57
2	Ba 233.527†	29473.2	29303.8	0.2629 mg/L	0.2629 mg/L	16:54:47
2	Be 313.107†	53519.2	53996.0	0.0261 mg/L	0.0261 mg/L	16:54:47
2	Ca 315.887†	360641.1	356219.1	2.522 mg/L	2.522 mg/L	16:54:44
2	Cd 228.802†	4959.5	4826.8	0.1268 mg/L	0.1268 mg/L	16:54:57
2	Co 228.616†	15131.8	15045.2	0.2574 mg/L	0.2574 mg/L	16:54:47
2	Cr 267.716†	33341.1	32438.3	0.2611 mg/L	0.2611 mg/L	16:54:47
2	Cu 324.752†	62339.5	60072.2	0.2638 mg/L	0.2638 mg/L	16:54:47
2	Fe 238.204†	210830.3	208276.9	1.319 mg/L	1.319 mg/L	16:54:47
2	Mg 279.077†	45103.0	44415.7	2.597 mg/L	2.597 mg/L	16:54:47
2	Mn 257.610†	230658.7	228256.2	0.2629 mg/L	0.2629 mg/L	16:54:47
2	Mo 202.031†	6477.8	6437.7	0.2490 mg/L	0.2490 mg/L	16:54:57
2	Ni 231.604†	12522.0	12412.1	0.2602 mg/L	0.2602 mg/L	16:54:47
2	P 214.914†	6372.9	6057.6	2.465 mg/L	2.465 mg/L	16:54:57
2	Pb 220.353†	4329.2	4280.8	0.2526 mg/L	0.2526 mg/L	16:54:57
2	Sb 206.836†	491.2	451.6	0.2536 mg/L	0.2536 mg/L	16:54:57
2	Se 196.026†	807.0	802.5	0.5111 mg/L	0.5111 mg/L	16:54:57
2	Sn 189.927†	1972.6	1959.5	0.2589 mg/L	0.2589 mg/L	16:54:57
2	Ti 337.279†	218135.6	217487.9	0.2614 mg/L	0.2614 mg/L	16:54:47
2	Tl 190.801†	487.1	475.5	0.2544 mg/L	0.2544 mg/L	16:54:57
2	V 292.402†	55108.6	55590.5	0.2598 mg/L	0.2598 mg/L	16:54:47
2	Zn 213.857†	40533.6	39121.9	0.2593 mg/L	0.2593 mg/L	16:54:47

Mean Data: CJ21016-BSD1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3129151.6	1.00 mg/L	0.011			1.06%
Ag 328.068†	21224.7	0.1315 mg/L	0.00053	0.1315 mg/L	0.00053	0.40%
Al 237.313†	13266.5	1.263 mg/L	0.0051	1.263 mg/L	0.0051	0.40%
As 188.979†	318.1	0.2505 mg/L	0.00456	0.2505 mg/L	0.00456	1.82%
B 182.528†	219.3	0.2545 mg/L	0.01502	0.2545 mg/L	0.01502	5.90%

B 249.677†	205.0	0.2415 mg/L	0.00135	0.2415 mg/L	0.00135	0.56%
Ba 233.527†	29335.8	0.2632 mg/L	0.00041	0.2632 mg/L	0.00041	0.15%
Be 313.107†	54089.7	0.0262 mg/L	0.00006	0.0262 mg/L	0.00006	0.24%
Ca 315.887†	357092.5	2.528 mg/L	0.0088	2.528 mg/L	0.0088	0.35%
Cd 228.802†	4875.1	0.1280 mg/L	0.00179	0.1280 mg/L	0.00179	1.40%
Co 228.616†	15039.2	0.2573 mg/L	0.00015	0.2573 mg/L	0.00015	0.06%
Cr 267.716†	32469.8	0.2613 mg/L	0.00036	0.2613 mg/L	0.00036	0.14%
Cu 324.752†	60338.1	0.2650 mg/L	0.00166	0.2650 mg/L	0.00166	0.63%
Fe 234.349†	799.5	1.257 mg/L	0.0164	1.257 mg/L	0.0164	1.30%
Fe 238.204†	208777.5	1.322 mg/L	0.0045	1.322 mg/L	0.0045	0.34%
K 766.490†	17203.1	12.87 mg/L	0.141	12.87 mg/L	0.141	1.09%
Li 670.784†	4513.7	0.2605 mg/L	0.00577	0.2605 mg/L	0.00577	2.21%
Mg 279.077†	44441.7	2.599 mg/L	0.0022	2.599 mg/L	0.0022	0.08%
Mn 257.610†	228966.1	0.2637 mg/L	0.00117	0.2637 mg/L	0.00117	0.44%
Mo 202.031†	6509.6	0.2518 mg/L	0.00393	0.2518 mg/L	0.00393	1.56%
Na 589.592†	47076.6	12.91 mg/L	0.220	12.91 mg/L	0.220	1.70%
Ni 231.604†	12426.0	0.2605 mg/L	0.00042	0.2605 mg/L	0.00042	0.16%
P 214.914†	6109.9	2.486 mg/L	0.0299	2.486 mg/L	0.0299	1.20%
Pb 220.353†	4307.0	0.2542 mg/L	0.00221	0.2542 mg/L	0.00221	0.87%
Sb 206.836†	449.7	0.2525 mg/L	0.00146	0.2525 mg/L	0.00146	0.58%
Se 196.026†	802.7	0.5112 mg/L	0.00022	0.5112 mg/L	0.00022	0.04%
Sn 189.927†	1973.6	0.2608 mg/L	0.00265	0.2608 mg/L	0.00265	1.02%
Sr 407.771†	14646.6	0.0251 mg/L	0.00048	0.0251 mg/L	0.00048	1.93%
Ti 337.279†	218274.1	0.2624 mg/L	0.00133	0.2624 mg/L	0.00133	0.51%
Tl 190.801†	480.9	0.2574 mg/L	0.00426	0.2574 mg/L	0.00426	1.65%
V 292.402†	55787.2	0.2608 mg/L	0.00130	0.2608 mg/L	0.00130	0.50%
Zn 213.857†	39181.7	0.2597 mg/L	0.00057	0.2597 mg/L	0.00057	0.22%

Sequence No.: 6

Sample ID: 1210214-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 12

Date Collected: 10/11/2012 4:56:34 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210214-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	12.4	9.1	0.0119 mg/L	0.0119 mg/L	16:58:26
1	Fe 234.349†	36.8	32.1	0.0358 mg/L	0.0358 mg/L	16:58:26
1	K 766.490†	1496.1	1172.4	0.9186 mg/L	0.9186 mg/L	16:58:16
1	Li 670.784†	-135.5	55.6	0.0043 mg/L	0.0043 mg/L	16:58:16
1	Na 589.592†	42690.2	42510.5	11.65 mg/L	11.65 mg/L	16:58:16
1	Sr 407.771†	17502.2	17200.0	0.0294 mg/L	0.0294 mg/L	16:58:16
1	Y 371.029	3162235.6	3162235.6	1.01 mg/L		16:58:43
1	Ag 328.068†	2705.4	636.4	0.0037 mg/L	0.0037 mg/L	16:58:45
1	Al 237.313†	-44.5	103.2	-0.0068 mg/L	-0.0068 mg/L	16:58:55
1	As 188.979†	1.2	-6.7	-0.0034 mg/L	-0.0034 mg/L	16:58:55
1	B 182.528†	-7.6	-0.8	0.0008 mg/L	0.0008 mg/L	16:58:55
1	Ba 233.527†	990.8	1046.4	0.0079 mg/L	0.0079 mg/L	16:58:55
1	Be 313.107†	-921.3	-6.0	0.0001 mg/L	0.0001 mg/L	16:58:45
1	Ca 315.887†	2498425.4	2469280.0	17.55 mg/L	17.55 mg/L	16:58:43
1	Cd 228.802†	93.5	-0.5	0.0000 mg/L	0.0000 mg/L	16:58:55
1	Co 228.616†	-36.3	-1.4	-0.0045 mg/L	-0.0045 mg/L	16:58:55
1	Cr 267.716†	685.2	41.6	-0.0002 mg/L	-0.0002 mg/L	16:58:55
1	Cu 324.752†	3071.1	1268.8	0.0036 mg/L	0.0036 mg/L	16:58:45
1	Fe 238.204†	5525.3	4598.1	0.0201 mg/L	0.0201 mg/L	16:58:55
1	Mg 279.077†	13396.9	12922.6	0.7360 mg/L	0.7360 mg/L	16:58:45
1	Mn 257.610†	9031.6	8375.2	0.0076 mg/L	0.0076 mg/L	16:58:45
1	Mo 202.031†	78.9	89.8	0.0038 mg/L	0.0038 mg/L	16:58:55
1	Ni 231.604†	67.6	57.1	-0.0015 mg/L	-0.0015 mg/L	16:58:55
1	P 214.914†	237.7	-29.1	0.0038 mg/L	0.0038 mg/L	16:58:55
1	Pb 220.353†	-34.0	-47.4	-0.0055 mg/L	-0.0055 mg/L	16:58:55
1	Sb 206.836†	36.7	0.6	-0.0011 mg/L	-0.0011 mg/L	16:58:55
1	Se 196.026†	1.8	3.7	0.0044 mg/L	0.0044 mg/L	16:58:55
1	Sn 189.927†	-215.3	-210.3	-0.0297 mg/L	-0.0297 mg/L	16:58:55
1	Ti 337.279†	-1055.3	54.2	0.0012 mg/L	0.0012 mg/L	16:58:45
1	Tl 190.801†	16.0	8.1	-0.0014 mg/L	-0.0014 mg/L	16:58:55
1	V 292.402†	-933.5	-0.4	0.0021 mg/L	0.0021 mg/L	16:58:45
1	Zn 213.857†	5293.9	4148.1	0.0247 mg/L	0.0247 mg/L	16:58:55
2	B 249.677†	23.6	20.3	0.0250 mg/L	0.0250 mg/L	16:58:39
2	Fe 234.349†	38.2	33.8	0.0385 mg/L	0.0385 mg/L	16:58:39

2	K 766.490†	1550.8	1235.7	0.9658 mg/L	0.9658 mg/L	16:58:29
2	Li 670.784†	-135.2	55.1	0.0043 mg/L	0.0043 mg/L	16:58:29
2	Na 589.592†	43410.8	43481.7	11.92 mg/L	11.92 mg/L	16:58:29
2	Sr 407.771†	17967.7	17767.4	0.0304 mg/L	0.0304 mg/L	16:58:29
2	Y 371.029	3143304.7	3143304.7	1.01 mg/L		16:58:57
2	Ag 328.068†	2607.9	555.6	0.0032 mg/L	0.0032 mg/L	16:59:00
2	Al 237.313†	-112.6	35.2	-0.0133 mg/L	-0.0133 mg/L	16:59:10
2	As 188.979†	2.7	-5.2	-0.0022 mg/L	-0.0022 mg/L	16:59:10
2	B 182.528†	-2.3	4.4	0.0068 mg/L	0.0068 mg/L	16:59:10
2	Ba 233.527†	961.4	1023.0	0.0077 mg/L	0.0077 mg/L	16:59:10
2	Be 313.107†	-881.8	27.8	0.0001 mg/L	0.0001 mg/L	16:59:00
2	Ca 315.887†	2487944.4	2473733.2	17.58 mg/L	17.58 mg/L	16:58:57
2	Cd 228.802†	86.8	-6.6	-0.0002 mg/L	-0.0002 mg/L	16:59:10
2	Co 228.616†	-47.1	-12.4	-0.0047 mg/L	-0.0047 mg/L	16:59:10
2	Cr 267.716†	692.6	53.1	-0.0001 mg/L	-0.0001 mg/L	16:59:10
2	Cu 324.752†	3064.2	1280.1	0.0037 mg/L	0.0037 mg/L	16:59:00
2	Fe 238.204†	5533.8	4639.5	0.0204 mg/L	0.0204 mg/L	16:59:10
2	Mg 279.077†	13273.6	12879.7	0.7335 mg/L	0.7335 mg/L	16:59:00
2	Mn 257.610†	8964.9	8362.5	0.0075 mg/L	0.0075 mg/L	16:59:00
2	Mo 202.031†	68.0	79.4	0.0034 mg/L	0.0034 mg/L	16:59:10
2	Ni 231.604†	41.7	31.8	-0.0020 mg/L	-0.0020 mg/L	16:59:10
2	P 214.914†	240.8	-24.7	0.0056 mg/L	0.0056 mg/L	16:59:10
2	Pb 220.353†	-37.3	-50.9	-0.0057 mg/L	-0.0057 mg/L	16:59:10
2	Sb 206.836†	50.3	14.3	0.0066 mg/L	0.0066 mg/L	16:59:10
2	Se 196.026†	-2.1	-0.2	0.0019 mg/L	0.0019 mg/L	16:59:10
2	Sn 189.927†	-201.5	-197.8	-0.0281 mg/L	-0.0281 mg/L	16:59:10
2	Ti 337.279†	-596.7	504.2	0.0018 mg/L	0.0018 mg/L	16:59:00
2	Tl 190.801†	11.1	3.3	-0.0041 mg/L	-0.0041 mg/L	16:59:10
2	V 292.402†	-795.3	131.6	0.0027 mg/L	0.0027 mg/L	16:59:00
2	Zn 213.857†	5244.3	4130.3	0.0245 mg/L	0.0245 mg/L	16:59:10

Mean Data: 1210214-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3152770.2	1.01	mg/L	0.004				0.42%
Ag 328.068†	596.0	0.0034	mg/L	0.00035	0.0034	mg/L	0.00035	10.31%
Al 237.313†	69.2	-0.0101	mg/L	0.00463	-0.0101	mg/L	0.00463	45.97%
As 188.979†	-5.9	-0.0028	mg/L	0.00082	-0.0028	mg/L	0.00082	29.39%
B 182.528†	1.8	0.0038	mg/L	0.00423	0.0038	mg/L	0.00423	110.64%
B 249.677†	14.7	0.0185	mg/L	0.00929	0.0185	mg/L	0.00929	50.29%
Ba 233.527†	1034.7	0.0078	mg/L	0.00015	0.0078	mg/L	0.00015	1.92%
Be 313.107†	10.9	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	14.32%
Ca 315.887†	2471506.6	17.57	mg/L	0.022	17.57	mg/L	0.022	0.13%
Cd 228.802†	-3.6	-0.0001	mg/L	0.00012	-0.0001	mg/L	0.00012	90.49%
Co 228.616†	-6.9	-0.0046	mg/L	0.00014	-0.0046	mg/L	0.00014	2.96%
Cr 267.716†	47.4	-0.0002	mg/L	0.00006	-0.0002	mg/L	0.00006	42.18%
Cu 324.752†	1274.4	0.0036	mg/L	0.00004	0.0036	mg/L	0.00004	0.98%
Fe 234.349†	33.0	0.0372	mg/L	0.00186	0.0372	mg/L	0.00186	5.01%
Fe 238.204†	4618.8	0.0203	mg/L	0.00019	0.0203	mg/L	0.00019	0.92%
K 766.490†	1204.0	0.9422	mg/L	0.03336	0.9422	mg/L	0.03336	3.54%
Li 670.784†	55.3	0.0043	mg/L	0.00002	0.0043	mg/L	0.00002	0.47%
Mg 279.077†	12901.1	0.7347	mg/L	0.00179	0.7347	mg/L	0.00179	0.24%
Mn 257.610†	8368.9	0.0076	mg/L	0.00001	0.0076	mg/L	0.00001	0.14%
Mo 202.031†	84.6	0.0036	mg/L	0.00028	0.0036	mg/L	0.00028	7.84%
Na 589.592†	42996.1	11.79	mg/L	0.190	11.79	mg/L	0.190	1.61%
Ni 231.604†	44.5	-0.0018	mg/L	0.00038	-0.0018	mg/L	0.00038	21.53%
P 214.914†	-26.9	0.0047	mg/L	0.00128	0.0047	mg/L	0.00128	27.26%
Pb 220.353†	-49.2	-0.0056	mg/L	0.00015	-0.0056	mg/L	0.00015	2.62%
Sb 206.836†	7.4	0.0027	mg/L	0.00548	0.0027	mg/L	0.00548	200.42%
Se 196.026†	1.8	0.0032	mg/L	0.00174	0.0032	mg/L	0.00174	54.80%
Sn 189.927†	-204.0	-0.0289	mg/L	0.00116	-0.0289	mg/L	0.00116	4.02%
Sr 407.771†	17483.7	0.0299	mg/L	0.00069	0.0299	mg/L	0.00069	2.29%
Ti 337.279†	279.2	0.0015	mg/L	0.00038	0.0015	mg/L	0.00038	25.15%
Tl 190.801†	5.7	-0.0028	mg/L	0.00189	-0.0028	mg/L	0.00189	68.11%
V 292.402†	65.6	0.0024	mg/L	0.00043	0.0024	mg/L	0.00043	17.96%
Zn 213.857†	4139.2	0.0246	mg/L	0.00008	0.0246	mg/L	0.00008	0.34%

Sequence No.: 7
Sample ID: 1210215-01
Analyst:
Initial Sample Wt:

Autosampler Location: 13
Date Collected: 10/11/2012 5:00:47 PM
Data Type: Original
Initial Sample Vol:

Replicate Data: 1210215-01

Repl#	Analyte	Net	Corrected	Calib.	Sample	Analysis
		Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	84.4	81.9	0.0974 mg/L	0.0974 mg/L	17:02:42
1	Fe 234.349†	244.3	241.7	0.3796 mg/L	0.3796 mg/L	17:02:42
1	K 766.490†	1381.8	1083.9	0.8527 mg/L	0.8527 mg/L	17:02:32
1	Li 670.784†	-163.6	24.8	0.0026 mg/L	0.0026 mg/L	17:02:32
1	Na 589.592†	491667.3	495290.6	136.6 mg/L	136.6 mg/L	17:02:29
1	Sr 407.771†	12642.0	12618.8	0.0216 mg/L	0.0216 mg/L	17:02:32
1	Y 371.029	3106244.6	3106244.6	0.993 mg/L		17:03:00
1	Ag 328.068†	1884.5	-141.7	-0.0011 mg/L	-0.0011 mg/L	17:03:02
1	Al 237.313†	81884.6	82586.6	7.936 mg/L	7.936 mg/L	17:03:02
1	As 188.979†	2.6	-5.3	-0.0021 mg/L	-0.0021 mg/L	17:03:13
1	B 182.528†	72.0	79.2	0.0930 mg/L	0.0930 mg/L	17:03:13
1	Ba 233.527†	3727.3	3819.0	0.0329 mg/L	0.0329 mg/L	17:03:13
1	Be 313.107†	-861.0	38.3	0.0001 mg/L	0.0001 mg/L	17:03:02
1	Ca 315.887†	392061.5	393181.9	2.783 mg/L	2.783 mg/L	17:03:00
1	Cd 228.802†	119.0	26.8	0.0007 mg/L	0.0007 mg/L	17:03:13
1	Co 228.616†	15.0	49.5	-0.0038 mg/L	-0.0038 mg/L	17:03:13
1	Cr 267.716†	3195.1	2580.8	0.0203 mg/L	0.0203 mg/L	17:03:02
1	Cu 324.752†	33853.3	32314.2	0.1409 mg/L	0.1409 mg/L	17:03:02
1	Fe 238.204†	60049.6	59590.3	0.3707 mg/L	0.3707 mg/L	17:03:02
1	Mg 279.077†	15090.6	14866.5	0.8509 mg/L	0.8509 mg/L	17:03:02
1	Mn 257.610†	26915.0	26540.7	0.0286 mg/L	0.0286 mg/L	17:03:02
1	Mo 202.031†	183.0	196.0	0.0077 mg/L	0.0077 mg/L	17:03:13
1	Ni 231.604†	685.9	680.8	0.0117 mg/L	0.0117 mg/L	17:03:13
1	P 214.914†	115404.3	115922.0	46.95 mg/L	46.95 mg/L	17:03:02
1	Pb 220.353†	235.0	222.8	0.0084 mg/L	0.0084 mg/L	17:03:13
1	Sb 206.836†	37.5	2.1	-0.0005 mg/L	-0.0005 mg/L	17:03:13
1	Se 196.026†	1.6	3.5	0.0044 mg/L	0.0044 mg/L	17:03:13
1	Sn 189.927†	-34.8	-32.4	-0.0054 mg/L	-0.0054 mg/L	17:03:13
1	Ti 337.279†	53335.2	54794.4	0.0668 mg/L	0.0668 mg/L	17:03:02
1	Tl 190.801†	3.1	-4.6	-0.0087 mg/L	-0.0087 mg/L	17:03:13
1	V 292.402†	-771.2	146.4	0.0028 mg/L	0.0028 mg/L	17:03:02
1	Zn 213.857†	6861.9	5821.1	0.0356 mg/L	0.0356 mg/L	17:03:13
2	B 249.677†	84.3	88.6	0.1052 mg/L	0.1052 mg/L	17:02:56
2	Fe 234.349†	232.7	248.9	0.3907 mg/L	0.3907 mg/L	17:02:56
2	K 766.490†	1371.6	1184.8	0.9279 mg/L	0.9279 mg/L	17:02:46
2	Li 670.784†	-205.6	-34.1	-0.0008 mg/L	-0.0008 mg/L	17:02:46
2	Na 589.592†	489775.6	533046.8	147.0 mg/L	147.0 mg/L	17:02:44
2	Sr 407.771†	12655.3	13657.1	0.0234 mg/L	0.0234 mg/L	17:02:46
2	Y 371.029	2875001.1	2875001.1	0.919 mg/L		17:03:15
2	Ag 328.068†	2046.9	187.5	0.0009 mg/L	0.0009 mg/L	17:03:17
2	Al 237.313†	84343.6	91892.2	8.832 mg/L	8.832 mg/L	17:03:17
2	As 188.979†	-2.1	-10.2	-0.0060 mg/L	-0.0060 mg/L	17:03:27
2	B 182.528†	77.7	91.2	0.1068 mg/L	0.1068 mg/L	17:03:27
2	Ba 233.527†	3743.0	4138.0	0.0358 mg/L	0.0358 mg/L	17:03:27
2	Be 313.107†	-815.3	18.2	0.0001 mg/L	0.0001 mg/L	17:03:17
2	Ca 315.887†	405080.2	439091.2	3.110 mg/L	3.110 mg/L	17:03:15
2	Cd 228.802†	118.7	36.1	0.0009 mg/L	0.0009 mg/L	17:03:27
2	Co 228.616†	-9.0	24.6	-0.0042 mg/L	-0.0042 mg/L	17:03:27
2	Cr 267.716†	3316.8	2971.9	0.0234 mg/L	0.0234 mg/L	17:03:17
2	Cu 324.752†	34964.8	36264.6	0.1584 mg/L	0.1584 mg/L	17:03:17
2	Fe 238.204†	62342.1	66946.6	0.4176 mg/L	0.4176 mg/L	17:03:17
2	Mg 279.077†	15615.8	16659.8	0.9569 mg/L	0.9569 mg/L	17:03:17
2	Mn 257.610†	27808.6	29692.2	0.0323 mg/L	0.0323 mg/L	17:03:17
2	Mo 202.031†	208.3	238.3	0.0093 mg/L	0.0093 mg/L	17:03:27
2	Ni 231.604†	700.1	751.8	0.0132 mg/L	0.0132 mg/L	17:03:27
2	P 214.914†	119730.2	129972.6	52.64 mg/L	52.64 mg/L	17:03:17
2	Pb 220.353†	238.5	245.6	0.0095 mg/L	0.0095 mg/L	17:03:27
2	Sb 206.836†	45.2	13.5	0.0060 mg/L	0.0060 mg/L	17:03:27
2	Se 196.026†	-1.1	0.8	0.0027 mg/L	0.0027 mg/L	17:03:27
2	Sn 189.927†	-50.8	-52.6	-0.0080 mg/L	-0.0080 mg/L	17:03:27
2	Ti 337.279†	60140.2	66515.6	0.0808 mg/L	0.0808 mg/L	17:03:17
2	Tl 190.801†	10.1	3.3	-0.0044 mg/L	-0.0044 mg/L	17:03:27
2	V 292.402†	-686.0	176.6	0.0029 mg/L	0.0029 mg/L	17:03:17
2	Zn 213.857†	6892.3	6409.9	0.0396 mg/L	0.0396 mg/L	17:03:27

Mean Data: 1210215-01

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	2990622.8	0.956 mg/L		0.0523				5.47%
Ag 328.068†	22.9	-0.0001 mg/L		0.00144	-0.0001 mg/L		0.00144	>999.9%
Al 237.313†	87239.4	8.384 mg/L		0.6336	8.384 mg/L		0.6336	7.56%
As 188.979†	-7.7	-0.0040 mg/L		0.00270	-0.0040 mg/L		0.00270	66.75%
B 182.528†	85.2	0.0999 mg/L		0.00977	0.0999 mg/L		0.00977	9.78%
B 249.677†	85.2	0.1013 mg/L		0.00557	0.1013 mg/L		0.00557	5.49%
Ba 233.527†	3978.5	0.0344 mg/L		0.00204	0.0344 mg/L		0.00204	5.93%
Be 313.107†	28.2	0.0001 mg/L		0.00001	0.0001 mg/L		0.00001	7.27%
Ca 315.887†	416136.6	2.947 mg/L		0.2309	2.947 mg/L		0.2309	7.84%
Cd 228.802†	31.4	0.0008 mg/L		0.00019	0.0008 mg/L		0.00019	23.13%
Co 228.616†	37.1	-0.0040 mg/L		0.00033	-0.0040 mg/L		0.00033	8.15%
Cr 267.716†	2776.3	0.0218 mg/L		0.00223	0.0218 mg/L		0.00223	10.21%
Cu 324.752†	34289.4	0.1497 mg/L		0.01236	0.1497 mg/L		0.01236	8.26%
Fe 234.349†	245.3	0.3852 mg/L		0.00786	0.3852 mg/L		0.00786	2.04%
Fe 238.204†	63268.4	0.3942 mg/L		0.03316	0.3942 mg/L		0.03316	8.41%
K 766.490†	1134.3	0.8903 mg/L		0.05316	0.8903 mg/L		0.05316	5.97%
Li 670.784†	-4.7	0.0009 mg/L		0.00240	0.0009 mg/L		0.00240	277.93%
Mg 279.077†	15763.2	0.9039 mg/L		0.07491	0.9039 mg/L		0.07491	8.29%
Mn 257.610†	28116.4	0.0305 mg/L		0.00259	0.0305 mg/L		0.00259	8.49%
Mo 202.031†	217.2	0.0085 mg/L		0.00115	0.0085 mg/L		0.00115	13.45%
Na 589.592†	514168.7	141.8 mg/L		7.37	141.8 mg/L		7.37	5.20%
Ni 231.604†	716.3	0.0125 mg/L		0.00106	0.0125 mg/L		0.00106	8.53%
P 214.914†	122947.3	49.79 mg/L		4.023	49.79 mg/L		4.023	8.08%
Pb 220.353†	234.2	0.0089 mg/L		0.00078	0.0089 mg/L		0.00078	8.74%
Sb 206.836†	7.8	0.0028 mg/L		0.00457	0.0028 mg/L		0.00457	165.08%
Se 196.026†	2.2	0.0036 mg/L		0.00122	0.0036 mg/L		0.00122	34.24%
Sn 189.927†	-42.5	-0.0067 mg/L		0.00186	-0.0067 mg/L		0.00186	27.85%
Sr 407.771†	13138.0	0.0225 mg/L		0.00126	0.0225 mg/L		0.00126	5.59%
Ti 337.279†	60655.0	0.0738 mg/L		0.00992	0.0738 mg/L		0.00992	13.45%
Tl 190.801†	-0.7	-0.0066 mg/L		0.00304	-0.0066 mg/L		0.00304	46.14%
V 292.402†	161.5	0.0029 mg/L		0.00011	0.0029 mg/L		0.00011	3.85%
Zn 213.857†	6115.5	0.0376 mg/L		0.00279	0.0376 mg/L		0.00279	7.41%

Sequence No.: 8
Sample ID: CJ21016-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 10/11/2012 5:05:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21016-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Sample Conc. Units	Analysis Time
1	B 249.677†	72.0	70.7	0.0842 mg/L		0.0842 mg/L	17:07:02
1	Fe 234.349†	226.1	227.5	0.3573 mg/L		0.3573 mg/L	17:07:02
1	K 766.490†	1360.4	1086.8	0.8548 mg/L		0.8548 mg/L	17:06:52
1	Li 670.784†	-139.5	46.6	0.0038 mg/L		0.0038 mg/L	17:06:52
1	Na 589.592†	462210.4	473947.6	130.7 mg/L		130.7 mg/L	17:06:49
1	Sr 407.771†	11943.2	12130.2	0.0208 mg/L		0.0208 mg/L	17:06:52
1	Y 371.029	3051724.5	3051724.5	0.976 mg/L			17:07:20
1	Ag 328.068†	1903.0	-88.9	-0.0008 mg/L		-0.0008 mg/L	17:07:22
1	Al 237.313†	76797.3	78846.1	7.576 mg/L		7.576 mg/L	17:07:22
1	As 188.979†	-1.0	-8.9	-0.0050 mg/L		-0.0050 mg/L	17:07:33
1	B 182.528†	64.0	72.3	0.0851 mg/L		0.0851 mg/L	17:07:33
1	Ba 233.527†	3530.5	3684.4	0.0317 mg/L		0.0317 mg/L	17:07:33
1	Be 313.107†	-749.4	137.1	0.0001 mg/L		0.0001 mg/L	17:07:22
1	Ca 315.887†	367727.0	375296.7	2.656 mg/L		2.656 mg/L	17:07:20
1	Cd 228.802†	108.9	18.6	0.0005 mg/L		0.0005 mg/L	17:07:33
1	Co 228.616†	-5.9	28.4	-0.0042 mg/L		-0.0042 mg/L	17:07:33
1	Cr 267.716†	3089.2	2529.8	0.0198 mg/L		0.0198 mg/L	17:07:22
1	Cu 324.752†	32001.5	31025.5	0.1353 mg/L		0.1353 mg/L	17:07:22
1	Fe 238.204†	56630.0	57166.1	0.3553 mg/L		0.3553 mg/L	17:07:22
1	Mg 279.077†	14236.1	14262.3	0.8152 mg/L		0.8152 mg/L	17:07:22
1	Mn 257.610†	26597.8	26699.7	0.0288 mg/L		0.0288 mg/L	17:07:22
1	Mo 202.031†	182.9	199.2	0.0079 mg/L		0.0079 mg/L	17:07:33
1	Ni 231.604†	653.2	659.7	0.0113 mg/L		0.0113 mg/L	17:07:33
1	P 214.914†	107714.9	110117.9	44.60 mg/L		44.60 mg/L	17:07:22
1	Pb 220.353†	208.4	199.8	0.0071 mg/L		0.0071 mg/L	17:07:33
1	Sb 206.836†	35.1	0.2	-0.0015 mg/L		-0.0015 mg/L	17:07:33
1	Se 196.026†	-0.4	1.5	0.0031 mg/L		0.0031 mg/L	17:07:33

1	Sn 189.927†	-41.0	-39.4	-0.0063 mg/L	-0.0063 mg/L	17:07:33
1	Ti 337.279†	68447.2	71240.0	0.0864 mg/L	0.0864 mg/L	17:07:22
1	Tl 190.801†	6.9	-0.6	-0.0066 mg/L	-0.0066 mg/L	17:07:33
1	V 292.402†	-647.3	259.6	0.0033 mg/L	0.0033 mg/L	17:07:22
1	Zn 213.857†	6442.5	5514.8	0.0336 mg/L	0.0336 mg/L	17:07:33
2	B 249.677†	73.3	71.9	0.0856 mg/L	0.0856 mg/L	17:07:16
2	Fe 234.349†	222.5	223.4	0.3509 mg/L	0.3509 mg/L	17:07:16
2	K 766.490†	1371.6	1096.2	0.8618 mg/L	0.8618 mg/L	17:07:06
2	Li 670.784†	-226.7	-42.4	-0.0013 mg/L	-0.0013 mg/L	17:07:06
2	Na 589.592†	459699.7	470666.6	129.8 mg/L	129.8 mg/L	17:07:04
2	Sr 407.771†	11732.6	11896.2	0.0204 mg/L	0.0204 mg/L	17:07:06
2	Y 371.029	3056318.8	3056318.8	0.977 mg/L	0.977 mg/L	17:07:35
2	Ag 328.068†	1964.8	-28.6	-0.0004 mg/L	-0.0004 mg/L	17:07:37
2	Al 237.313†	78753.5	80729.5	7.757 mg/L	7.757 mg/L	17:07:37
2	As 188.979†	5.8	-1.9	0.0005 mg/L	0.0005 mg/L	17:07:47
2	B 182.528†	62.7	70.8	0.0834 mg/L	0.0834 mg/L	17:07:47
2	Ba 233.527†	3510.8	3658.8	0.0315 mg/L	0.0315 mg/L	17:07:47
2	Be 313.107†	-835.4	50.3	0.0001 mg/L	0.0001 mg/L	17:07:37
2	Ca 315.887†	368035.0	375045.3	2.654 mg/L	2.654 mg/L	17:07:35
2	Cd 228.802†	113.4	23.0	0.0006 mg/L	0.0006 mg/L	17:07:47
2	Co 228.616†	-20.9	13.1	-0.0044 mg/L	-0.0044 mg/L	17:07:47
2	Cr 267.716†	3103.6	2539.7	0.0199 mg/L	0.0199 mg/L	17:07:37
2	Cu 324.752†	32696.2	31687.0	0.1382 mg/L	0.1382 mg/L	17:07:37
2	Fe 238.204†	57923.7	58402.6	0.3631 mg/L	0.3631 mg/L	17:07:37
2	Mg 279.077†	14654.9	14668.9	0.8392 mg/L	0.8392 mg/L	17:07:37
2	Mn 257.610†	27235.9	27311.7	0.0295 mg/L	0.0295 mg/L	17:07:37
2	Mo 202.031†	170.1	185.8	0.0073 mg/L	0.0073 mg/L	17:07:47
2	Ni 231.604†	673.3	679.2	0.0117 mg/L	0.0117 mg/L	17:07:47
2	P 214.914†	111188.5	113506.2	45.97 mg/L	45.97 mg/L	17:07:37
2	Pb 220.353†	246.2	238.1	0.0093 mg/L	0.0093 mg/L	17:07:47
2	Sb 206.836†	40.4	5.6	0.0016 mg/L	0.0016 mg/L	17:07:47
2	Se 196.026†	-1.2	0.7	0.0026 mg/L	0.0026 mg/L	17:07:47
2	Sn 189.927†	-23.7	-21.6	-0.0040 mg/L	-0.0040 mg/L	17:07:47
2	Ti 337.279†	71535.6	74294.6	0.0901 mg/L	0.0901 mg/L	17:07:37
2	Tl 190.801†	14.2	6.9	-0.0024 mg/L	-0.0024 mg/L	17:07:47
2	V 292.402†	-797.3	107.1	0.0026 mg/L	0.0026 mg/L	17:07:37
2	Zn 213.857†	6439.8	5502.0	0.0335 mg/L	0.0335 mg/L	17:07:47

Mean Data: CJ21016-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3054021.6	0.977 mg/L		0.0010				0.11%
Ag 328.068†	-58.7	-0.0006 mg/L		0.00026	-0.0006 mg/L		0.00026	43.90%
Al 237.313†	79787.8	7.666 mg/L		0.1282	7.666 mg/L		0.1282	1.67%
As 188.979†	-5.4	-0.0023 mg/L		0.00385	-0.0023 mg/L		0.00385	169.99%
B 182.528†	71.6	0.0842 mg/L		0.00118	0.0842 mg/L		0.00118	1.40%
B 249.677†	71.3	0.0849 mg/L		0.00099	0.0849 mg/L		0.00099	1.16%
Ba 233.527†	3671.6	0.0316 mg/L		0.00016	0.0316 mg/L		0.00016	0.52%
Be 313.107†	93.7	0.0001 mg/L		0.00003	0.0001 mg/L		0.00003	24.15%
Ca 315.887†	375171.0	2.655 mg/L		0.0013	2.655 mg/L		0.0013	0.05%
Cd 228.802†	20.8	0.0005 mg/L		0.00007	0.0005 mg/L		0.00007	12.85%
Co 228.616†	20.7	-0.0043 mg/L		0.00019	-0.0043 mg/L		0.00019	4.50%
Cr 267.716†	2534.7	0.0199 mg/L		0.00006	0.0199 mg/L		0.00006	0.28%
Cu 324.752†	31356.2	0.1367 mg/L		0.00207	0.1367 mg/L		0.00207	1.51%
Fe 234.349†	225.5	0.3541 mg/L		0.00452	0.3541 mg/L		0.00452	1.28%
Fe 238.204†	57784.3	0.3592 mg/L		0.00557	0.3592 mg/L		0.00557	1.55%
K 766.490†	1091.5	0.8583 mg/L		0.00494	0.8583 mg/L		0.00494	0.58%
Li 670.784†	2.1	0.0012 mg/L		0.00361	0.0012 mg/L		0.00361	289.38%
Mg 279.077†	14465.6	0.8272 mg/L		0.01698	0.8272 mg/L		0.01698	2.05%
Mn 257.610†	27005.7	0.0292 mg/L		0.00050	0.0292 mg/L		0.00050	1.72%
Mo 202.031†	192.5	0.0076 mg/L		0.00036	0.0076 mg/L		0.00036	4.80%
Na 589.592†	472307.1	130.3 mg/L		0.64	130.3 mg/L		0.64	0.49%
Ni 231.604†	669.4	0.0115 mg/L		0.00029	0.0115 mg/L		0.00029	2.54%
P 214.914†	111812.1	45.29 mg/L		0.970	45.29 mg/L		0.970	2.14%
Pb 220.353†	219.0	0.0082 mg/L		0.00158	0.0082 mg/L		0.00158	19.25%
Sb 206.836†	2.9	0.0000 mg/L		0.00217	0.0000 mg/L		0.00217	>999.9%
Se 196.026†	1.1	0.0029 mg/L		0.00037	0.0029 mg/L		0.00037	12.70%
Sn 189.927†	-30.5	-0.0052 mg/L		0.00164	-0.0052 mg/L		0.00164	31.51%
Sr 407.771†	12013.2	0.0206 mg/L		0.00028	0.0206 mg/L		0.00028	1.38%
Ti 337.279†	72767.3	0.0883 mg/L		0.00258	0.0883 mg/L		0.00258	2.93%
Tl 190.801†	3.1	-0.0045 mg/L		0.00292	-0.0045 mg/L		0.00292	64.92%
V 292.402†	183.3	0.0029 mg/L		0.00050	0.0029 mg/L		0.00050	16.99%

Sequence No.: 9
 Sample ID: CJ21016-MS1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 15
 Date Collected: 10/11/2012 5:09:26 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CJ21016-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	294.1	307.7	0.3621 mg/L	0.3621 mg/L	0.3621 mg/L	17:11:18
1	Fe 234.349†	1011.5	1065.1	1.673 mg/L	1.673 mg/L	1.673 mg/L	17:11:18
1	K 766.490†	18570.0	19323.3	14.45 mg/L	14.45 mg/L	14.45 mg/L	17:11:08
1	Li 670.784†	4595.0	5046.9	0.2912 mg/L	0.2912 mg/L	0.2912 mg/L	17:11:08
1	Na 589.592†	513160.3	542757.5	149.7 mg/L	149.7 mg/L	149.7 mg/L	17:11:08
1	Sr 407.771†	26508.9	27913.9	0.0477 mg/L	0.0477 mg/L	0.0477 mg/L	17:11:08
1	Y 371.029	2958347.7	2958347.7	0.946 mg/L	0.946 mg/L	0.946 mg/L	17:11:34
1	Ag 328.068†	22472.8	21717.1	0.1346 mg/L	0.1346 mg/L	0.1346 mg/L	17:11:36
1	Al 237.313†	90116.8	95410.4	9.173 mg/L	9.173 mg/L	9.173 mg/L	17:11:36
1	As 188.979†	322.2	332.7	0.2620 mg/L	0.2620 mg/L	0.2620 mg/L	17:11:47
1	B 182.528†	284.0	306.9	0.3554 mg/L	0.3554 mg/L	0.3554 mg/L	17:11:47
1	Ba 233.527†	31316.1	33171.0	0.2978 mg/L	0.2978 mg/L	0.2978 mg/L	17:11:36
1	Be 313.107†	52145.9	56028.9	0.0271 mg/L	0.0271 mg/L	0.0271 mg/L	17:11:36
1	Ca 315.887†	698696.6	737061.2	5.231 mg/L	5.231 mg/L	5.231 mg/L	17:11:34
1	Cd 228.802†	4902.0	5089.0	0.1337 mg/L	0.1337 mg/L	0.1337 mg/L	17:11:47
1	Co 228.616†	14477.7	15339.0	0.2624 mg/L	0.2624 mg/L	0.2624 mg/L	17:11:36
1	Cr 267.716†	34436.4	35767.0	0.2879 mg/L	0.2879 mg/L	0.2879 mg/L	17:11:36
1	Cu 324.752†	90095.5	93472.2	0.4115 mg/L	0.4115 mg/L	0.4115 mg/L	17:11:36
1	Fe 238.204†	253571.2	267185.8	1.695 mg/L	1.695 mg/L	1.695 mg/L	17:11:36
1	Mg 279.077†	56315.5	59205.2	3.471 mg/L	3.471 mg/L	3.471 mg/L	17:11:36
1	Mn 257.610†	243947.1	257321.6	0.2966 mg/L	0.2966 mg/L	0.2966 mg/L	17:11:36
1	Mo 202.031†	6488.5	6870.8	0.2655 mg/L	0.2655 mg/L	0.2655 mg/L	17:11:47
1	Ni 231.604†	12666.2	13379.8	0.2807 mg/L	0.2807 mg/L	0.2807 mg/L	17:11:36
1	P 214.914†	115233.0	121549.5	49.22 mg/L	49.22 mg/L	49.22 mg/L	17:11:36
1	Pb 220.353†	4416.2	4654.6	0.2726 mg/L	0.2726 mg/L	0.2726 mg/L	17:11:47
1	Sb 206.836†	477.8	469.4	0.2634 mg/L	0.2634 mg/L	0.2634 mg/L	17:11:47
1	Se 196.026†	767.9	813.6	0.5183 mg/L	0.5183 mg/L	0.5183 mg/L	17:11:47
1	Sn 189.927†	1893.1	2003.9	0.2660 mg/L	0.2660 mg/L	0.2660 mg/L	17:11:47
1	Ti 337.279†	266036.5	282327.0	0.3390 mg/L	0.3390 mg/L	0.3390 mg/L	17:11:36
1	Tl 190.801†	454.4	472.7	0.2524 mg/L	0.2524 mg/L	0.2524 mg/L	17:11:47
1	V 292.402†	53437.4	57412.0	0.2683 mg/L	0.2683 mg/L	0.2683 mg/L	17:11:36
1	Zn 213.857†	45399.2	46904.6	0.3115 mg/L	0.3115 mg/L	0.3115 mg/L	17:11:36
2	B 249.677†	290.7	301.0	0.3542 mg/L	0.3542 mg/L	0.3542 mg/L	17:11:30
2	Fe 234.349†	1023.4	1066.4	1.675 mg/L	1.675 mg/L	1.675 mg/L	17:11:30
2	K 766.490†	18190.9	18723.2	14.00 mg/L	14.00 mg/L	14.00 mg/L	17:11:20
2	Li 670.784†	4606.8	5009.0	0.2890 mg/L	0.2890 mg/L	0.2890 mg/L	17:11:20
2	Na 589.592†	505205.8	528813.5	145.9 mg/L	145.9 mg/L	145.9 mg/L	17:11:20
2	Sr 407.771†	25841.4	26925.2	0.0461 mg/L	0.0461 mg/L	0.0461 mg/L	17:11:20
2	Y 371.029	2989331.2	2989331.2	0.956 mg/L	0.956 mg/L	0.956 mg/L	17:11:49
2	Ag 328.068†	22554.4	21556.3	0.1336 mg/L	0.1336 mg/L	0.1336 mg/L	17:11:51
2	Al 237.313†	90388.0	94706.7	9.106 mg/L	9.106 mg/L	9.106 mg/L	17:11:51
2	As 188.979†	316.1	322.8	0.2543 mg/L	0.2543 mg/L	0.2543 mg/L	17:12:01
2	B 182.528†	289.3	309.3	0.3582 mg/L	0.3582 mg/L	0.3582 mg/L	17:12:01
2	Ba 233.527†	31467.6	32986.4	0.2961 mg/L	0.2961 mg/L	0.2961 mg/L	17:11:51
2	Be 313.107†	52170.5	55483.2	0.0268 mg/L	0.0268 mg/L	0.0268 mg/L	17:11:51
2	Ca 315.887†	707061.4	738156.8	5.239 mg/L	5.239 mg/L	5.239 mg/L	17:11:49
2	Cd 228.802†	4856.3	4987.4	0.1310 mg/L	0.1310 mg/L	0.1310 mg/L	17:12:01
2	Co 228.616†	14460.6	15162.4	0.2593 mg/L	0.2593 mg/L	0.2593 mg/L	17:11:51
2	Cr 267.716†	34356.8	35306.4	0.2842 mg/L	0.2842 mg/L	0.2842 mg/L	17:11:51
2	Cu 324.752†	90071.6	92460.0	0.4071 mg/L	0.4071 mg/L	0.4071 mg/L	17:11:51
2	Fe 238.204†	254348.2	265220.4	1.682 mg/L	1.682 mg/L	1.682 mg/L	17:11:51
2	Mg 279.077†	56333.1	58606.6	3.436 mg/L	3.436 mg/L	3.436 mg/L	17:11:51
2	Mn 257.610†	244441.0	255165.5	0.2941 mg/L	0.2941 mg/L	0.2941 mg/L	17:11:51
2	Mo 202.031†	6413.4	6721.2	0.2597 mg/L	0.2597 mg/L	0.2597 mg/L	17:12:01
2	Ni 231.604†	12665.1	13239.9	0.2777 mg/L	0.2777 mg/L	0.2777 mg/L	17:11:51
2	P 214.914†	115595.7	120666.3	48.87 mg/L	48.87 mg/L	48.87 mg/L	17:11:51
2	Pb 220.353†	4404.5	4594.0	0.2690 mg/L	0.2690 mg/L	0.2690 mg/L	17:12:01
2	Sb 206.836†	479.4	465.8	0.2614 mg/L	0.2614 mg/L	0.2614 mg/L	17:12:01
2	Se 196.026†	766.8	804.1	0.5123 mg/L	0.5123 mg/L	0.5123 mg/L	17:12:01
2	Sn 189.927†	1892.2	1982.2	0.2632 mg/L	0.2632 mg/L	0.2632 mg/L	17:12:01

2	Ti 337.279†	277205.3	291096.4	0.3495 mg/L	0.3495 mg/L	17:11:51
2	Tl 190.801†	455.8	469.1	0.2505 mg/L	0.2505 mg/L	17:12:01
2	V 292.402†	53663.5	57063.0	0.2667 mg/L	0.2667 mg/L	17:11:51
2	Zn 213.857†	45356.7	46362.7	0.3079 mg/L	0.3079 mg/L	17:11:51

Mean Data: CJ21016-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2973839.4	0.951	mg/L	0.0070			0.74%
Ag 328.068†	21636.7	0.1341	mg/L	0.00071	0.1341	0.00071	0.53%
Al 237.313†	95058.6	9.139	mg/L	0.0479	9.139	0.0479	0.52%
As 188.979†	327.8	0.2582	mg/L	0.00547	0.2582	0.00547	2.12%
B 182.528†	308.1	0.3568	mg/L	0.00195	0.3568	0.00195	0.55%
B 249.677†	304.4	0.3582	mg/L	0.00559	0.3582	0.00559	1.56%
Ba 233.527†	33078.7	0.2970	mg/L	0.00118	0.2970	0.00118	0.40%
Be 313.107†	55756.1	0.0270	mg/L	0.00019	0.0270	0.00019	0.69%
Ca 315.887†	737609.0	5.235	mg/L	0.0055	5.235	0.0055	0.11%
Cd 228.802†	5038.2	0.1323	mg/L	0.00188	0.1323	0.00188	1.42%
Co 228.616†	15250.7	0.2608	mg/L	0.00219	0.2608	0.00219	0.84%
Cr 267.716†	35536.7	0.2861	mg/L	0.00263	0.2861	0.00263	0.92%
Cu 324.752†	92966.1	0.4093	mg/L	0.00316	0.4093	0.00316	0.77%
Fe 234.349†	1065.7	1.674	mg/L	0.0016	1.674	0.0016	0.09%
Fe 238.204†	266203.1	1.688	mg/L	0.0089	1.688	0.0089	0.52%
K 766.490†	19023.3	14.22	mg/L	0.316	14.22	0.316	2.22%
Li 670.784†	5027.9	0.2901	mg/L	0.00154	0.2901	0.00154	0.53%
Mg 279.077†	58905.9	3.453	mg/L	0.0250	3.453	0.0250	0.72%
Mn 257.610†	256243.5	0.2953	mg/L	0.00177	0.2953	0.00177	0.60%
Mo 202.031†	6796.0	0.2626	mg/L	0.00409	0.2626	0.00409	1.56%
Na 589.592†	535785.5	147.8	mg/L	2.72	147.8	2.72	1.84%
Ni 231.604†	13309.9	0.2792	mg/L	0.00210	0.2792	0.00210	0.75%
P 214.914†	121107.9	49.05	mg/L	0.253	49.05	0.253	0.52%
Pb 220.353†	4624.3	0.2708	mg/L	0.00254	0.2708	0.00254	0.94%
Sb 206.836†	467.6	0.2624	mg/L	0.00141	0.2624	0.00141	0.54%
Se 196.026†	808.9	0.5153	mg/L	0.00429	0.5153	0.00429	0.83%
Sn 189.927†	1993.1	0.2646	mg/L	0.00201	0.2646	0.00201	0.76%
Sr 407.771†	27419.5	0.0469	mg/L	0.00120	0.0469	0.00120	2.55%
Ti 337.279†	286711.7	0.3443	mg/L	0.00742	0.3443	0.00742	2.16%
Tl 190.801†	470.9	0.2515	mg/L	0.00140	0.2515	0.00140	0.56%
V 292.402†	57237.5	0.2675	mg/L	0.00118	0.2675	0.00118	0.44%
Zn 213.857†	46633.6	0.3097	mg/L	0.00257	0.3097	0.00257	0.83%

Sequence No.: 10

Sample ID: CJ21016-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 16

Date Collected: 10/11/2012 5:13:40 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21016-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	16.0	13.0	0.0165 mg/L	0.0165 mg/L	17:15:30
1	Fe 234.349†	36.4	32.5	0.0516 mg/L	0.0516 mg/L	17:15:30
1	K 766.490†	436.2	132.7	0.1438 mg/L	0.1438 mg/L	17:15:20
1	Li 670.784†	-133.5	54.9	0.0043 mg/L	0.0043 mg/L	17:15:20
1	Na 589.592†	95895.5	97009.4	26.69 mg/L	26.69 mg/L	17:15:20
1	Sr 407.771†	2517.5	2430.3	0.0042 mg/L	0.0042 mg/L	17:15:20
1	Y 371.029	3100717.4	3100717.4	0.992 mg/L		17:15:46
1	Ag 328.068†	1984.3	-37.7	-0.0005 mg/L	-0.0005 mg/L	17:15:49
1	Al 237.313†	16619.0	16908.6	1.611 mg/L	1.611 mg/L	17:15:49
1	As 188.979†	1.9	-5.9	-0.0028 mg/L	-0.0028 mg/L	17:15:59
1	B 182.528†	10.4	17.1	0.0215 mg/L	0.0215 mg/L	17:15:59
1	Ba 233.527†	688.6	761.0	0.0053 mg/L	0.0053 mg/L	17:15:59
1	Be 313.107†	-887.6	9.8	0.0001 mg/L	0.0001 mg/L	17:15:49
1	Ca 315.887†	81864.9	81030.5	0.5628 mg/L	0.5628 mg/L	17:15:49
1	Cd 228.802†	97.1	4.9	0.0001 mg/L	0.0001 mg/L	17:15:59
1	Co 228.616†	-43.6	-9.5	-0.0047 mg/L	-0.0047 mg/L	17:15:59
1	Cr 267.716†	1155.5	529.5	0.0037 mg/L	0.0037 mg/L	17:15:49
1	Cu 324.752†	8390.6	6694.0	0.0276 mg/L	0.0276 mg/L	17:15:49
1	Fe 238.204†	12880.0	12124.3	0.0681 mg/L	0.0681 mg/L	17:15:49
1	Mg 279.077†	3338.6	3040.9	0.1523 mg/L	0.1523 mg/L	17:15:49

1	Mn 257.610†	6325.1	5822.6	0.0046 mg/L	0.0046 mg/L	17:15:49
1	Mo 202.031†	41.9	54.0	0.0024 mg/L	0.0024 mg/L	17:15:59
1	Ni 231.604†	151.8	143.4	0.0003 mg/L	0.0003 mg/L	17:15:59
1	P 214.914†	23164.9	23099.2	9.368 mg/L	9.368 mg/L	17:15:49
1	Pb 220.353†	30.6	17.1	-0.0021 mg/L	-0.0021 mg/L	17:15:59
1	Sb 206.836†	37.5	2.1	-0.0003 mg/L	-0.0003 mg/L	17:15:59
1	Se 196.026†	-1.6	0.3	0.0023 mg/L	0.0023 mg/L	17:15:59
1	Sn 189.927†	-14.7	-12.2	-0.0037 mg/L	-0.0037 mg/L	17:15:59
1	Ti 337.279†	9931.0	11114.1	0.0145 mg/L	0.0145 mg/L	17:15:49
1	Tl 190.801†	10.4	2.8	-0.0044 mg/L	-0.0044 mg/L	17:15:59
1	V 292.402†	-715.0	201.8	0.0030 mg/L	0.0030 mg/L	17:15:49
1	Zn 213.857†	2177.6	1109.0	0.0040 mg/L	0.0040 mg/L	17:15:59
2	B 249.677†	20.2	16.9	0.0210 mg/L	0.0210 mg/L	17:15:43
2	Fe 234.349†	39.5	34.9	0.0554 mg/L	0.0554 mg/L	17:15:43
2	K 766.490†	534.8	222.3	0.2105 mg/L	0.2105 mg/L	17:15:33
2	Li 670.784†	-94.7	95.8	0.0066 mg/L	0.0066 mg/L	17:15:33
2	Na 589.592†	95279.8	94628.8	26.04 mg/L	26.04 mg/L	17:15:33
2	Sr 407.771†	2581.8	2447.4	0.0042 mg/L	0.0042 mg/L	17:15:33
2	Y 371.029	3158554.2	3158554.2	1.01 mg/L	1.01 mg/L	17:16:01
2	Ag 328.068†	1987.0	-71.7	-0.0007 mg/L	-0.0007 mg/L	17:16:03
2	Al 237.313†	16566.4	16549.7	1.577 mg/L	1.577 mg/L	17:16:03
2	As 188.979†	8.0	0.0	0.0019 mg/L	0.0019 mg/L	17:16:14
2	B 182.528†	4.9	11.5	0.0150 mg/L	0.0150 mg/L	17:16:14
2	Ba 233.527†	693.5	753.2	0.0052 mg/L	0.0052 mg/L	17:16:14
2	Be 313.107†	-819.7	93.5	0.0001 mg/L	0.0001 mg/L	17:16:03
2	Ca 315.887†	81390.7	79049.2	0.5487 mg/L	0.5487 mg/L	17:16:03
2	Cd 228.802†	95.7	1.8	0.0000 mg/L	0.0000 mg/L	17:16:14
2	Co 228.616†	-57.3	-22.2	-0.0049 mg/L	-0.0049 mg/L	17:16:14
2	Cr 267.716†	1199.0	551.2	0.0039 mg/L	0.0039 mg/L	17:16:03
2	Cu 324.752†	8270.7	6420.4	0.0264 mg/L	0.0264 mg/L	17:16:03
2	Fe 238.204†	12911.8	11917.8	0.0668 mg/L	0.0668 mg/L	17:16:03
2	Mg 279.077†	3412.4	3052.4	0.1530 mg/L	0.1530 mg/L	17:16:03
2	Mn 257.610†	6372.0	5752.3	0.0045 mg/L	0.0045 mg/L	17:16:03
2	Mo 202.031†	32.7	44.2	0.0020 mg/L	0.0020 mg/L	17:16:14
2	Ni 231.604†	149.5	138.4	0.0002 mg/L	0.0002 mg/L	17:16:14
2	P 214.914†	22931.0	22439.9	9.101 mg/L	9.101 mg/L	17:16:03
2	Pb 220.353†	65.4	51.0	0.0000 mg/L	0.0000 mg/L	17:16:14
2	Sb 206.836†	44.7	8.5	0.0033 mg/L	0.0033 mg/L	17:16:14
2	Se 196.026†	1.8	3.8	0.0044 mg/L	0.0044 mg/L	17:16:14
2	Sn 189.927†	-10.5	-7.7	-0.0031 mg/L	-0.0031 mg/L	17:16:14
2	Ti 337.279†	10061.5	11059.9	0.0144 mg/L	0.0144 mg/L	17:16:03
2	Tl 190.801†	5.7	-2.1	-0.0071 mg/L	-0.0071 mg/L	17:16:14
2	V 292.402†	-924.8	7.2	0.0021 mg/L	0.0021 mg/L	17:16:03
2	Zn 213.857†	2189.9	1080.9	0.0039 mg/L	0.0039 mg/L	17:16:14

Mean Data: CJ21016-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3129635.8	1.00	mg/L	0.013			1.31%
Ag 328.068†	-54.7	-0.0006	mg/L	0.00015	-0.0006 mg/L	0.00015	24.87%
Al 237.313†	16729.1	1.594	mg/L	0.0244	1.594 mg/L	0.0244	1.53%
As 188.979†	-2.9	-0.0005	mg/L	0.00330	-0.0005 mg/L	0.00330	730.57%
B 182.528†	14.3	0.0183	mg/L	0.00457	0.0183 mg/L	0.00457	25.05%
B 249.677†	14.9	0.0188	mg/L	0.00320	0.0188 mg/L	0.00320	17.07%
Ba 233.527†	757.1	0.0053	mg/L	0.00005	0.0053 mg/L	0.00005	0.95%
Be 313.107†	51.7	0.0001	mg/L	0.00003	0.0001 mg/L	0.00003	28.36%
Ca 315.887†	80039.9	0.5558	mg/L	0.00997	0.5558 mg/L	0.00997	1.79%
Cd 228.802†	3.3	0.0000	mg/L	0.00007	0.0000 mg/L	0.00007	168.75%
Co 228.616†	-15.9	-0.0048	mg/L	0.00016	-0.0048 mg/L	0.00016	3.28%
Cr 267.716†	540.4	0.0038	mg/L	0.00012	0.0038 mg/L	0.00012	3.23%
Cu 324.752†	6557.2	0.0270	mg/L	0.00086	0.0270 mg/L	0.00086	3.17%
Fe 234.349†	33.7	0.0535	mg/L	0.00265	0.0535 mg/L	0.00265	4.96%
Fe 238.204†	12021.0	0.0674	mg/L	0.00093	0.0674 mg/L	0.00093	1.38%
K 766.490†	177.5	0.1771	mg/L	0.04722	0.1771 mg/L	0.04722	26.66%
Li 670.784†	75.4	0.0055	mg/L	0.00166	0.0055 mg/L	0.00166	30.44%
Mg 279.077†	3046.6	0.1526	mg/L	0.00048	0.1526 mg/L	0.00048	0.31%
Mn 257.610†	5787.5	0.0046	mg/L	0.00006	0.0046 mg/L	0.00006	1.27%
Mo 202.031†	49.1	0.0022	mg/L	0.00027	0.0022 mg/L	0.00027	12.15%
Na 589.592†	95819.1	26.36	mg/L	0.465	26.36 mg/L	0.465	1.76%
Ni 231.604†	140.9	0.0003	mg/L	0.00008	0.0003 mg/L	0.00008	27.24%
P 214.914†	22769.5	9.234	mg/L	0.1888	9.234 mg/L	0.1888	2.04%
Pb 220.353†	34.0	-0.0011	mg/L	0.00144	-0.0011 mg/L	0.00144	135.91%

Sb 206.836†	5.3	0.0015 mg/L	0.00257	0.0015 mg/L	0.00257	169.45%
Se 196.026†	2.1	0.0034 mg/L	0.00153	0.0034 mg/L	0.00153	45.62%
Sn 189.927†	-10.0	-0.0034 mg/L	0.00042	-0.0034 mg/L	0.00042	12.49%
Sr 407.771†	2438.9	0.0042 mg/L	0.00002	0.0042 mg/L	0.00002	0.50%
Ti 337.279†	11087.0	0.0144 mg/L	0.00005	0.0144 mg/L	0.00005	0.32%
Tl 190.801†	0.4	-0.0057 mg/L	0.00191	-0.0057 mg/L	0.00191	33.19%
V 292.402†	104.5	0.0026 mg/L	0.00063	0.0026 mg/L	0.00063	24.79%
Zn 213.857†	1094.9	0.0040 mg/L	0.00013	0.0040 mg/L	0.00013	3.35%

Sequence No.: 11
Sample ID: CJ21016-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 10/11/2012 5:17:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21016-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	494.4	517.9	0.6086 mg/L	0.6086 mg/L	17:19:47
1	Fe 234.349†	1734.7	1823.9	2.866 mg/L	2.866 mg/L	17:19:47
1	K 766.490†	34119.6	35650.1	26.61 mg/L	26.61 mg/L	17:19:37
1	Li 670.784†	8758.1	9419.4	0.5425 mg/L	0.5425 mg/L	17:19:47
1	Na 589.592†	565091.1	595818.5	164.3 mg/L	164.3 mg/L	17:19:37
1	Sr 407.771†	39337.0	41346.8	0.0707 mg/L	0.0707 mg/L	17:19:37
1	Y 371.029	2967465.7	2967465.7	0.949 mg/L		17:20:05
1	Ag 328.068†	40163.1	40287.3	0.2500 mg/L	0.2500 mg/L	17:20:05
1	Al 237.313†	101993.4	107633.9	10.35 mg/L	10.35 mg/L	17:20:05
1	As 188.979†	577.9	601.1	0.4718 mg/L	0.4718 mg/L	17:20:15
1	B 182.528†	490.2	523.3	0.6048 mg/L	0.6048 mg/L	17:20:15
1	Ba 233.527†	55845.4	58919.7	0.5302 mg/L	0.5302 mg/L	17:20:05
1	Be 313.107†	98499.4	104709.5	0.0506 mg/L	0.0506 mg/L	17:20:05
1	Ca 315.887†	1010519.1	1063408.7	7.554 mg/L	7.554 mg/L	17:20:05
1	Cd 228.802†	9120.3	9518.5	0.2501 mg/L	0.2501 mg/L	17:20:15
1	Co 228.616†	27477.3	28991.7	0.5001 mg/L	0.5001 mg/L	17:20:15
1	Cr 267.716†	61483.0	64158.5	0.5169 mg/L	0.5169 mg/L	17:20:05
1	Cu 324.752†	141568.2	147424.5	0.6502 mg/L	0.6502 mg/L	17:20:05
1	Fe 238.204†	425973.6	448050.0	2.848 mg/L	2.848 mg/L	17:20:05
1	Mg 279.077†	92232.0	96873.2	5.697 mg/L	5.697 mg/L	17:20:05
1	Mn 257.610†	430251.5	452867.8	0.5236 mg/L	0.5236 mg/L	17:20:05
1	Mo 202.031†	12018.7	12677.7	0.4898 mg/L	0.4898 mg/L	17:20:15
1	Ni 231.604†	23145.8	24382.8	0.5137 mg/L	0.5137 mg/L	17:20:05
1	P 214.914†	122053.9	128363.4	51.98 mg/L	51.98 mg/L	17:20:05
1	Pb 220.353†	8176.3	8602.9	0.5080 mg/L	0.5080 mg/L	17:20:15
1	Sb 206.836†	863.3	874.1	0.4920 mg/L	0.4920 mg/L	17:20:15
1	Se 196.026†	1446.5	1526.3	0.9704 mg/L	0.9704 mg/L	17:20:15
1	Sn 189.927†	3571.9	3766.9	0.5012 mg/L	0.5012 mg/L	17:20:15
1	Ti 337.279†	426859.4	450947.6	0.5408 mg/L	0.5408 mg/L	17:20:05
1	Tl 190.801†	850.6	888.7	0.4801 mg/L	0.4801 mg/L	17:20:15
1	V 292.402†	100598.6	106939.6	0.4980 mg/L	0.4980 mg/L	17:20:05
1	Zn 213.857†	79473.0	82666.1	0.5517 mg/L	0.5517 mg/L	17:20:05
2	B 249.677†	492.2	628.5	0.7382 mg/L	0.7382 mg/L	17:19:59
2	Fe 234.349†	1716.6	2198.4	3.453 mg/L	3.453 mg/L	17:19:59
2	K 766.490†	33840.6	43115.3	32.18 mg/L	32.18 mg/L	17:19:49
2	Li 670.784†	8755.0	11423.5	0.6577 mg/L	0.6577 mg/L	17:19:59
2	Na 589.592†	558947.6	717505.4	197.9 mg/L	197.9 mg/L	17:19:49
2	Sr 407.771†	38819.1	49701.9	0.0850 mg/L	0.0850 mg/L	17:19:49
2	Y 371.029	2437199.1	2437199.1	0.779 mg/L		17:20:19
2	Ag 328.068†	42466.5	52451.8	0.3255 mg/L	0.3255 mg/L	17:20:19
2	Al 237.313†	107418.2	137980.9	13.28 mg/L	13.28 mg/L	17:20:19
2	As 188.979†	603.3	766.2	0.6008 mg/L	0.6008 mg/L	17:20:29
2	B 182.528†	495.2	642.1	0.7416 mg/L	0.7416 mg/L	17:20:29
2	Ba 233.527†	58846.0	75574.8	0.6805 mg/L	0.6805 mg/L	17:20:19
2	Be 313.107†	103556.5	133783.6	0.0646 mg/L	0.0646 mg/L	17:20:19
2	Ca 315.887†	1066037.3	1366349.2	9.710 mg/L	9.710 mg/L	17:20:19
2	Cd 228.802†	9254.5	11781.9	0.3095 mg/L	0.3095 mg/L	17:20:29
2	Co 228.616†	27959.5	35910.7	0.6205 mg/L	0.6205 mg/L	17:20:29
2	Cr 267.716†	64766.2	82468.7	0.6645 mg/L	0.6645 mg/L	17:20:19
2	Cu 324.752†	149557.1	190135.6	0.8392 mg/L	0.8392 mg/L	17:20:19
2	Fe 238.204†	449464.8	575864.4	3.663 mg/L	3.663 mg/L	17:20:19
2	Mg 279.077†	97099.0	124266.2	7.315 mg/L	7.315 mg/L	17:20:19
2	Mn 257.610†	453862.6	581816.8	0.6734 mg/L	0.6734 mg/L	17:20:19

2	Mo 202.031†	12196.1	15661.2	0.6050 mg/L	0.6050 mg/L	17:20:29
2	Ni 231.604†	24469.0	31387.7	0.6620 mg/L	0.6620 mg/L	17:20:19
2	P 214.914†	129001.1	165263.5	66.92 mg/L	66.92 mg/L	17:20:19
2	Pb 220.353†	8317.0	10658.2	0.6299 mg/L	0.6299 mg/L	17:20:29
2	Sb 206.836†	872.7	1084.1	0.6106 mg/L	0.6106 mg/L	17:20:29
2	Se 196.026†	1468.3	1886.0	1.199 mg/L	1.199 mg/L	17:20:29
2	Sn 189.927†	3668.6	4710.0	0.6268 mg/L	0.6268 mg/L	17:20:29
2	Ti 337.279†	452241.2	581390.9	0.6969 mg/L	0.6969 mg/L	17:20:19
2	Tl 190.801†	871.0	1109.9	0.6012 mg/L	0.6012 mg/L	17:20:29
2	V 292.402†	106152.9	137132.9	0.6379 mg/L	0.6379 mg/L	17:20:19
2	Zn 213.857†	83696.2	106307.4	0.7104 mg/L	0.7104 mg/L	17:20:19

Mean Data: CJ21016-PDS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	2702332.4	0.864	mg/L	0.1199			13.88%
Ag 328.068†	46369.5	0.2877	mg/L	0.05341	0.2877 mg/L	0.05341	18.56%
Al 237.313†	122807.4	11.81	mg/L	2.067	11.81 mg/L	2.067	17.50%
As 188.979†	683.7	0.5363	mg/L	0.09122	0.5363 mg/L	0.09122	17.01%
B 182.528†	582.7	0.6732	mg/L	0.09674	0.6732 mg/L	0.09674	14.37%
B 249.677†	573.2	0.6734	mg/L	0.09165	0.6734 mg/L	0.09165	13.61%
Ba 233.527†	67247.3	0.6053	mg/L	0.10628	0.6053 mg/L	0.10628	17.56%
Be 313.107†	119246.5	0.0576	mg/L	0.00991	0.0576 mg/L	0.00991	17.22%
Ca 315.887†	1214879.0	8.632	mg/L	1.5244	8.632 mg/L	1.5244	17.66%
Cd 228.802†	10650.2	0.2798	mg/L	0.04201	0.2798 mg/L	0.04201	15.01%
Co 228.616†	32451.2	0.5603	mg/L	0.08512	0.5603 mg/L	0.08512	15.19%
Cr 267.716†	73313.6	0.5907	mg/L	0.10440	0.5907 mg/L	0.10440	17.67%
Cu 324.752†	168780.1	0.7447	mg/L	0.13361	0.7447 mg/L	0.13361	17.94%
Fe 234.349†	2011.2	3.159	mg/L	0.4152	3.159 mg/L	0.4152	13.14%
Fe 238.204†	511957.2	3.255	mg/L	0.5763	3.255 mg/L	0.5763	17.70%
K 766.490†	39382.7	29.40	mg/L	3.934	29.40 mg/L	3.934	13.38%
Li 670.784†	10421.4	0.6001	mg/L	0.08145	0.6001 mg/L	0.08145	13.57%
Mg 279.077†	110569.7	6.506	mg/L	1.1445	6.506 mg/L	1.1445	17.59%
Mn 257.610†	517342.3	0.5985	mg/L	0.10587	0.5985 mg/L	0.10587	17.69%
Mo 202.031†	14169.5	0.5474	mg/L	0.08145	0.5474 mg/L	0.08145	14.88%
Na 589.592†	656661.9	181.1	mg/L	23.75	181.1 mg/L	23.75	13.11%
Ni 231.604†	27885.2	0.5879	mg/L	0.10488	0.5879 mg/L	0.10488	17.84%
P 214.914†	146813.4	59.45	mg/L	10.563	59.45 mg/L	10.563	17.77%
Pb 220.353†	9630.5	0.5689	mg/L	0.08614	0.5689 mg/L	0.08614	15.14%
Sb 206.836†	979.1	0.5513	mg/L	0.08384	0.5513 mg/L	0.08384	15.21%
Se 196.026†	1706.2	1.085	mg/L	0.1614	1.085 mg/L	0.1614	14.88%
Sn 189.927†	4238.4	0.5640	mg/L	0.08885	0.5640 mg/L	0.08885	15.75%
Sr 407.771†	45524.4	0.0779	mg/L	0.01010	0.0779 mg/L	0.01010	12.98%
Ti 337.279†	516169.2	0.6189	mg/L	0.11038	0.6189 mg/L	0.11038	17.84%
Tl 190.801†	999.3	0.5407	mg/L	0.08558	0.5407 mg/L	0.08558	15.83%
V 292.402†	122036.2	0.5680	mg/L	0.09893	0.5680 mg/L	0.09893	17.42%
Zn 213.857†	94486.7	0.6311	mg/L	0.11224	0.6311 mg/L	0.11224	17.79%

Sequence No.: 12

Sample ID: 1210216-01

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 18

Date Collected: 10/11/2012 5:22:08 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210216-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	33.0	31.6	0.0960 mg/L	0.0960 mg/L	17:24:01
1	Fe 234.349†	11877.6	12511.8	19.75 mg/L	19.75 mg/L	17:24:01
1	K 766.490†	29944.4	31246.9	23.33 mg/L	23.33 mg/L	17:23:51
1	Li 670.784†	-113.3	70.2	0.0052 mg/L	0.0052 mg/L	17:24:01
1	Na 589.592†	622867.1	656641.1	181.1 mg/L	181.1 mg/L	17:23:51
1	Sr 407.771†	75542.1	79494.0	0.1360 mg/L	0.1360 mg/L	17:23:51
1	Y 371.029	2967759.9	2967759.9	0.949 mg/L		17:24:18
1	Ag 328.068†	1823.4	-117.6	0.0004 mg/L	0.0004 mg/L	17:24:20
1	Al 237.313†	2430.5	2708.4	0.2436 mg/L	0.2436 mg/L	17:24:20
1	As 188.979†	-27.0	-36.3	-0.0174 mg/L	-0.0174 mg/L	17:24:30
1	B 182.528†	34.1	42.6	0.0509 mg/L	0.0509 mg/L	17:24:30
1	Ba 233.527†	7653.8	8131.7	0.0721 mg/L	0.0721 mg/L	17:24:20
1	Be 313.107†	-1755.8	-945.1	-0.0004 mg/L	-0.0004 mg/L	17:24:20

1	Ca	315.887†	492608.8	517552.8	3.551	mg/L	3.551	mg/L	17:24:18
1	Cd	228.802†	135.8	50.1	0.0014	mg/L	0.0014	mg/L	17:24:30
1	Co	228.616†	-1241.1	-1273.4	0.0085	mg/L	0.0085	mg/L	17:24:30
1	Cr	267.716†	-7122.1	-8140.9	0.0085	mg/L	0.0085	mg/L	17:24:20
1	Cu	324.752†	310143.0	325046.2	1.435	mg/L	1.435	mg/L	17:24:18
1	Fe	238.204†	2918567.8	3074588.0	19.59	mg/L	19.59	mg/L	17:24:18
1	Mg	279.077†	17148.9	17744.4	1.022	mg/L	1.022	mg/L	17:24:20
1	Mn	257.610†	260718.0	274176.1	0.3160	mg/L	0.3160	mg/L	17:24:20
1	Mo	202.031†	1487569.1	1567544.5	60.68	mg/L	60.68	mg/L	17:24:18
1	Ni	231.604†	-2981.7	-3151.7	0.0285	mg/L	0.0285	mg/L	17:24:20
1	P	214.914†	509325.2	536439.5	216.8	mg/L	216.8	mg/L	17:24:18
1	Pb	220.353†	-3785.7	-4002.9	-0.2349	mg/L	-0.2349	mg/L	17:24:30
1	Sb	206.836†	154.5	127.1	0.0612	mg/L	0.0612	mg/L	17:24:30
1	Se	196.026†	-20.8	-19.9	-0.0022	mg/L	-0.0022	mg/L	17:24:30
1	Sn	189.927†	-56.0	-56.4	0.0481	mg/L	0.0481	mg/L	17:24:30
1	Ti	337.279†	-5401.1	-4593.6	-0.0043	mg/L	-0.0043	mg/L	17:24:20
1	Tl	190.801†	-91.5	-104.2	-0.0735	mg/L	-0.0735	mg/L	17:24:30
1	V	292.402†	-102991.1	-107604.4	-0.0570	mg/L	-0.0570	mg/L	17:24:18
1	Zn	213.857†	19578.7	19543.8	0.1265	mg/L	0.1265	mg/L	17:24:20
2	B	249.677†	27.5	26.2	0.0899	mg/L	0.0899	mg/L	17:24:13
2	Fe	234.349†	11893.3	12683.6	20.02	mg/L	20.02	mg/L	17:24:13
2	K	766.490†	30073.0	31774.8	23.73	mg/L	23.73	mg/L	17:24:03
2	Li	670.784†	-144.5	35.4	0.0032	mg/L	0.0032	mg/L	17:24:13
2	Na	589.592†	627756.7	669984.8	184.8	mg/L	184.8	mg/L	17:24:03
2	Sr	407.771†	75921.5	80884.4	0.1383	mg/L	0.1383	mg/L	17:24:03
2	Y	371.029	2931460.5	2931460.5	0.937	mg/L	0.937	mg/L	17:24:33
2	Ag	328.068†	1794.0	-125.1	0.0004	mg/L	0.0004	mg/L	17:24:36
2	Al	237.313†	2452.3	2763.3	0.2488	mg/L	0.2488	mg/L	17:24:36
2	As	188.979†	-30.8	-40.7	-0.0207	mg/L	-0.0207	mg/L	17:24:46
2	B	182.528†	47.1	56.9	0.0673	mg/L	0.0673	mg/L	17:24:46
2	Ba	233.527†	7647.2	8224.6	0.0730	mg/L	0.0730	mg/L	17:24:36
2	Be	313.107†	-1812.6	-1028.7	-0.0004	mg/L	-0.0004	mg/L	17:24:36
2	Ca	315.887†	487281.5	518297.4	3.556	mg/L	3.556	mg/L	17:24:33
2	Cd	228.802†	159.6	77.2	0.0022	mg/L	0.0022	mg/L	17:24:46
2	Co	228.616†	-1238.4	-1286.7	0.0084	mg/L	0.0084	mg/L	17:24:46
2	Cr	267.716†	-7243.5	-8363.3	0.0069	mg/L	0.0069	mg/L	17:24:36
2	Cu	324.752†	307710.4	326497.9	1.442	mg/L	1.442	mg/L	17:24:33
2	Fe	238.204†	2887700.0	3079740.5	19.62	mg/L	19.62	mg/L	17:24:33
2	Mg	279.077†	17185.0	18006.7	1.037	mg/L	1.037	mg/L	17:24:36
2	Mn	257.610†	262523.2	279503.9	0.3221	mg/L	0.3221	mg/L	17:24:36
2	Mo	202.031†	1472842.7	1571244.6	60.83	mg/L	60.83	mg/L	17:24:33
2	Ni	231.604†	-2904.6	-3108.3	0.0296	mg/L	0.0296	mg/L	17:24:36
2	P	214.914†	501943.7	535210.8	216.3	mg/L	216.3	mg/L	17:24:33
2	Pb	220.353†	-3815.9	-4084.6	-0.2398	mg/L	-0.2398	mg/L	17:24:46
2	Sb	206.836†	170.6	146.3	0.0719	mg/L	0.0719	mg/L	17:24:46
2	Se	196.026†	-18.3	-17.6	-0.0006	mg/L	-0.0006	mg/L	17:24:46
2	Sn	189.927†	-46.0	-46.4	0.0502	mg/L	0.0502	mg/L	17:24:46
2	Ti	337.279†	-6554.6	-5894.6	-0.0059	mg/L	-0.0059	mg/L	17:24:36
2	Tl	190.801†	-96.3	-110.5	-0.0772	mg/L	-0.0772	mg/L	17:24:46
2	V	292.402†	-102096.3	-107993.7	-0.0578	mg/L	-0.0578	mg/L	17:24:33
2	Zn	213.857†	19680.1	19907.5	0.1290	mg/L	0.1290	mg/L	17:24:36

Mean Data: 1210216-01

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	2949610.2	0.943	mg/L	0.0082				0.87%
Ag 328.068†	-121.3	0.0004	mg/L	0.00002	0.0004	mg/L	0.00002	4.35%
Al 237.313†	2735.9	0.2462	mg/L	0.00373	0.2462	mg/L	0.00373	1.51%
As 188.979†	-38.5	-0.0191	mg/L	0.00232	-0.0191	mg/L	0.00232	12.18%
B 182.528†	49.7	0.0591	mg/L	0.01162	0.0591	mg/L	0.01162	19.67%
B 249.677†	28.9	0.0930	mg/L	0.00436	0.0930	mg/L	0.00436	4.69%
Ba 233.527†	8178.1	0.0725	mg/L	0.00059	0.0725	mg/L	0.00059	0.82%
Be 313.107†	-986.9	-0.0004	mg/L	0.00003	-0.0004	mg/L	0.00003	7.03%
Ca 315.887†	517925.1	3.554	mg/L	0.0035	3.554	mg/L	0.0035	0.10%
Cd 228.802†	63.6	0.0018	mg/L	0.00052	0.0018	mg/L	0.00052	28.91%
Co 228.616†	-1280.0	0.0084	mg/L	0.00010	0.0084	mg/L	0.00010	1.22%
Cr 267.716†	-8252.1	0.0077	mg/L	0.00114	0.0077	mg/L	0.00114	14.79%
Cu 324.752†	325772.0	1.438	mg/L	0.0045	1.438	mg/L	0.0045	0.32%
Fe 234.349†	12597.7	19.88	mg/L	0.192	19.88	mg/L	0.192	0.96%
Fe 238.204†	3077164.3	19.61	mg/L	0.023	19.61	mg/L	0.023	0.12%
K 766.490†	31510.8	23.53	mg/L	0.278	23.53	mg/L	0.278	1.18%
Li 670.784†	52.8	0.0042	mg/L	0.00141	0.0042	mg/L	0.00141	33.92%

Mg 279.077†	17875.6	1.030 mg/L	0.0110	1.030 mg/L	0.0110	1.07%
Mn 257.610†	276840.0	0.3191 mg/L	0.00437	0.3191 mg/L	0.00437	1.37%
Mo 202.031†	1569394.6	60.75 mg/L	0.101	60.75 mg/L	0.101	0.17%
Na 589.592†	663313.0	183.0 mg/L	2.60	183.0 mg/L	2.60	1.42%
Ni 231.604†	-3130.0	0.0290 mg/L	0.00081	0.0290 mg/L	0.00081	2.79%
P 214.914†	535825.1	216.5 mg/L	0.35	216.5 mg/L	0.35	0.16%
Pb 220.353†	-4043.8	-0.2374 mg/L	0.00345	-0.2374 mg/L	0.00345	1.45%
Sb 206.836†	136.7	0.0665 mg/L	0.00759	0.0665 mg/L	0.00759	11.41%
Se 196.026†	-18.8	-0.0014 mg/L	0.00114	-0.0014 mg/L	0.00114	82.86%
Sn 189.927†	-51.4	0.0491 mg/L	0.00149	0.0491 mg/L	0.00149	3.03%
Sr 407.771†	80189.2	0.1372 mg/L	0.00168	0.1372 mg/L	0.00168	1.23%
Ti 337.279†	-5244.1	-0.0051 mg/L	0.00110	-0.0051 mg/L	0.00110	21.60%
Tl 190.801†	-107.3	-0.0754 mg/L	0.00257	-0.0754 mg/L	0.00257	3.40%
V 292.402†	-107799.1	-0.0574 mg/L	0.00057	-0.0574 mg/L	0.00057	1.00%
Zn 213.857†	19725.7	0.1278 mg/L	0.00173	0.1278 mg/L	0.00173	1.35%

Sequence No.: 13
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/11/2012 5:26:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	399.6	404.4	0.4753 mg/L	0.4753 mg/L	17:28:15
1	Fe 234.349†	1469.6	1494.6	2.349 mg/L	2.349 mg/L	17:28:15
1	K 766.490†	32358.3	32693.9	24.41 mg/L	24.41 mg/L	17:28:04
1	Li 670.784†	7970.8	8318.7	0.4792 mg/L	0.4792 mg/L	17:28:15
1	Na 589.592†	88941.8	91000.7	25.03 mg/L	25.03 mg/L	17:28:04
1	Sr 407.771†	27465.1	27901.8	0.0477 mg/L	0.0477 mg/L	17:28:04
1	Y 371.029	3066377.6	3066377.6	0.981 mg/L	0.981 mg/L	17:28:32
1	Ag 328.068†	40477.0	39242.0	0.2434 mg/L	0.2434 mg/L	17:28:32
1	Al 237.313†	24892.3	25534.0	2.447 mg/L	2.447 mg/L	17:28:43
1	As 188.979†	595.3	599.2	0.4702 mg/L	0.4702 mg/L	17:28:43
1	B 182.528†	401.7	416.4	0.4815 mg/L	0.4815 mg/L	17:28:43
1	Ba 233.527†	53187.3	54310.4	0.4886 mg/L	0.4886 mg/L	17:28:32
1	Be 313.107†	98022.6	100874.9	0.0487 mg/L	0.0487 mg/L	17:28:32
1	Ca 315.887†	670320.2	682100.0	4.841 mg/L	4.841 mg/L	17:28:32
1	Cd 228.802†	9051.9	9138.7	0.2401 mg/L	0.2401 mg/L	17:28:43
1	Co 228.616†	27748.6	28334.3	0.4888 mg/L	0.4888 mg/L	17:28:43
1	Cr 267.716†	59907.4	60461.5	0.4871 mg/L	0.4871 mg/L	17:28:32
1	Cu 324.752†	111484.6	111930.7	0.4933 mg/L	0.4933 mg/L	17:28:32
1	Fe 238.204†	376955.9	383577.9	2.437 mg/L	2.437 mg/L	17:28:32
1	Mg 279.077†	81176.8	82463.1	4.845 mg/L	4.845 mg/L	17:28:32
1	Mn 257.610†	412828.5	420472.6	0.4860 mg/L	0.4860 mg/L	17:28:32
1	Mo 202.031†	12576.9	12838.6	0.4963 mg/L	0.4963 mg/L	17:28:43
1	Ni 231.604†	22680.1	23120.9	0.4870 mg/L	0.4870 mg/L	17:28:32
1	P 214.914†	11837.4	11808.3	4.790 mg/L	4.790 mg/L	17:28:43
1	Pb 220.353†	7956.6	8100.9	0.4804 mg/L	0.4804 mg/L	17:28:43
1	Sb 206.836†	870.8	852.4	0.4799 mg/L	0.4799 mg/L	17:28:43
1	Se 196.026†	1458.7	1489.6	0.9469 mg/L	0.9469 mg/L	17:28:43
1	Sn 189.927†	3598.5	3672.7	0.4873 mg/L	0.4873 mg/L	17:28:43
1	Ti 337.279†	399025.0	408049.4	0.4895 mg/L	0.4895 mg/L	17:28:32
1	Tl 190.801†	875.1	884.7	0.4784 mg/L	0.4784 mg/L	17:28:43
1	V 292.402†	102560.5	105520.7	0.4915 mg/L	0.4915 mg/L	17:28:32
1	Zn 213.857†	71882.4	72223.0	0.4815 mg/L	0.4815 mg/L	17:28:32
2	B 249.677†	385.9	394.1	0.4632 mg/L	0.4632 mg/L	17:28:27
2	Fe 234.349†	1470.4	1509.5	2.372 mg/L	2.372 mg/L	17:28:27
2	K 766.490†	32380.0	33025.6	24.66 mg/L	24.66 mg/L	17:28:17
2	Li 670.784†	8044.7	8471.0	0.4880 mg/L	0.4880 mg/L	17:28:27
2	Na 589.592†	88307.1	91197.9	25.09 mg/L	25.09 mg/L	17:28:17
2	Sr 407.771†	27384.0	28081.0	0.0480 mg/L	0.0480 mg/L	17:28:17
2	Y 371.029	3037892.3	3037892.3	0.971 mg/L	0.971 mg/L	17:28:46
2	Ag 328.068†	40223.2	39367.9	0.2442 mg/L	0.2442 mg/L	17:28:46
2	Al 237.313†	25039.8	25923.8	2.485 mg/L	2.485 mg/L	17:28:56
2	As 188.979†	612.0	622.2	0.4881 mg/L	0.4881 mg/L	17:28:56
2	B 182.528†	401.3	419.8	0.4855 mg/L	0.4855 mg/L	17:28:56
2	Ba 233.527†	52780.7	54400.5	0.4894 mg/L	0.4894 mg/L	17:28:46
2	Be 313.107†	97053.6	100814.8	0.0487 mg/L	0.0487 mg/L	17:28:46
2	Ca 315.887†	664657.3	682680.7	4.845 mg/L	4.845 mg/L	17:28:46

2	Cd	228.802†	9074.4	9248.5	0.2429 mg/L	0.2429 mg/L	17:28:56
2	Co	228.616†	27921.6	28777.7	0.4965 mg/L	0.4965 mg/L	17:28:56
2	Cr	267.716†	59453.0	60566.6	0.4880 mg/L	0.4880 mg/L	17:28:46
2	Cu	324.752†	110578.0	112063.6	0.4938 mg/L	0.4938 mg/L	17:28:46
2	Fe	238.204†	374524.1	384679.3	2.444 mg/L	2.444 mg/L	17:28:46
2	Mg	279.077†	80538.2	82582.0	4.852 mg/L	4.852 mg/L	17:28:46
2	Mn	257.610†	409490.8	420984.6	0.4866 mg/L	0.4866 mg/L	17:28:46
2	Mo	202.031†	12582.8	12964.8	0.5012 mg/L	0.5012 mg/L	17:28:56
2	Ni	231.604†	22527.3	23180.6	0.4883 mg/L	0.4883 mg/L	17:28:46
2	P	214.914†	11885.2	11970.7	4.856 mg/L	4.856 mg/L	17:28:56
2	Pb	220.353†	8022.9	8245.2	0.4890 mg/L	0.4890 mg/L	17:28:56
2	Sb	206.836†	879.6	869.8	0.4897 mg/L	0.4897 mg/L	17:28:56
2	Se	196.026†	1474.5	1519.9	0.9661 mg/L	0.9661 mg/L	17:28:56
2	Sn	189.927†	3616.1	3725.2	0.4943 mg/L	0.4943 mg/L	17:28:56
2	Ti	337.279†	395854.8	408601.8	0.4902 mg/L	0.4902 mg/L	17:28:46
2	Tl	190.801†	895.7	914.4	0.4947 mg/L	0.4947 mg/L	17:28:56
2	V	292.402†	101717.9	105634.1	0.4921 mg/L	0.4921 mg/L	17:28:46
2	Zn	213.857†	71334.5	72346.5	0.4823 mg/L	0.4823 mg/L	17:28:46

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3052135.0	0.976 mg/L	0.0064			0.66%
Ag 328.068†	39304.9	0.2438 mg/L	0.00055	0.2438 mg/L	0.00055	0.23%
QC value within limits for Ag		328.068	Recovery = 97.53%			
Al 237.313†	25728.9	2.466 mg/L	0.0266	2.466 mg/L	0.0266	1.08%
QC value within limits for Al		237.313	Recovery = 98.63%			
As 188.979†	610.7	0.4791 mg/L	0.01267	0.4791 mg/L	0.01267	2.64%
QC value within limits for As		188.979	Recovery = 95.82%			
B 182.528†	418.1	0.4835 mg/L	0.00279	0.4835 mg/L	0.00279	0.58%
QC value within limits for B		182.528	Recovery = 96.70%			
B 249.677†	399.3	0.4692 mg/L	0.00857	0.4692 mg/L	0.00857	1.83%
QC value within limits for B		249.677	Recovery = 93.85%			
Ba 233.527†	54355.4	0.4890 mg/L	0.00057	0.4890 mg/L	0.00057	0.12%
QC value within limits for Ba		233.527	Recovery = 97.79%			
Be 313.107†	100844.8	0.0487 mg/L	0.00002	0.0487 mg/L	0.00002	0.04%
QC value within limits for Be		313.107	Recovery = 97.41%			
Ca 315.887†	682390.3	4.843 mg/L	0.0029	4.843 mg/L	0.0029	0.06%
QC value within limits for Ca		315.887	Recovery = 96.87%			
Cd 228.802†	9193.6	0.2415 mg/L	0.00200	0.2415 mg/L	0.00200	0.83%
QC value within limits for Cd		228.802	Recovery = 96.60%			
Co 228.616†	28556.0	0.4926 mg/L	0.00547	0.4926 mg/L	0.00547	1.11%
QC value within limits for Co		228.616	Recovery = 98.53%			
Cr 267.716†	60514.0	0.4876 mg/L	0.00060	0.4876 mg/L	0.00060	0.12%
QC value within limits for Cr		267.716	Recovery = 97.51%			
Cu 324.752†	111997.2	0.4936 mg/L	0.00042	0.4936 mg/L	0.00042	0.08%
QC value within limits for Cu		324.752	Recovery = 98.71%			
Fe 234.349†	1502.1	2.360 mg/L	0.0166	2.360 mg/L	0.0166	0.70%
QC value within limits for Fe		234.349	Recovery = 94.42%			
Fe 238.204†	384128.6	2.440 mg/L	0.0050	2.440 mg/L	0.0050	0.20%
QC value within limits for Fe		238.204	Recovery = 97.62%			
K 766.490†	32859.7	24.53 mg/L	0.175	24.53 mg/L	0.175	0.71%
QC value within limits for K		766.490	Recovery = 98.14%			
Li 670.784†	8394.8	0.4836 mg/L	0.00619	0.4836 mg/L	0.00619	1.28%
QC value within limits for Li		670.784	Recovery = 96.72%			
Mg 279.077†	82522.5	4.849 mg/L	0.0050	4.849 mg/L	0.0050	0.10%
QC value within limits for Mg		279.077	Recovery = 96.98%			
Mn 257.610†	420728.6	0.4863 mg/L	0.00042	0.4863 mg/L	0.00042	0.09%
QC value within limits for Mn		257.610	Recovery = 97.27%			
Mo 202.031†	12901.7	0.4987 mg/L	0.00345	0.4987 mg/L	0.00345	0.69%
QC value within limits for Mo		202.031	Recovery = 99.75%			
Na 589.592†	91099.3	25.06 mg/L	0.038	25.06 mg/L	0.038	0.15%
QC value within limits for Na		589.592	Recovery = 100.25%			
Ni 231.604†	23150.7	0.4877 mg/L	0.00090	0.4877 mg/L	0.00090	0.18%
QC value within limits for Ni		231.604	Recovery = 97.54%			
P 214.914†	11889.5	4.823 mg/L	0.0465	4.823 mg/L	0.0465	0.96%
QC value within limits for P		214.914	Recovery = 96.46%			
Pb 220.353†	8173.0	0.4847 mg/L	0.00610	0.4847 mg/L	0.00610	1.26%
QC value within limits for Pb		220.353	Recovery = 96.93%			
Sb 206.836†	861.1	0.4848 mg/L	0.00695	0.4848 mg/L	0.00695	1.43%
QC value within limits for Sb		206.836	Recovery = 96.96%			
Se 196.026†	1504.7	0.9565 mg/L	0.01355	0.9565 mg/L	0.01355	1.42%

QC value within limits for Se 196.026 Recovery = 95.65%
 Sn 189.927† 3699.0 0.4908 mg/L 0.00493 0.4908 mg/L 0.00493 1.00%
 QC value within limits for Sn 189.927 Recovery = 98.16%
 Sr 407.771† 27991.4 0.0479 mg/L 0.00022 0.0479 mg/L 0.00022 0.45%
 QC value within limits for Sr 407.771 Recovery = 95.76%
 Ti 337.279† 408325.6 0.4898 mg/L 0.00047 0.4898 mg/L 0.00047 0.10%
 QC value within limits for Ti 337.279 Recovery = 97.96%
 Tl 190.801† 899.6 0.4866 mg/L 0.01157 0.4866 mg/L 0.01157 2.38%
 QC value within limits for Tl 190.801 Recovery = 97.31%
 V 292.402† 105577.4 0.4918 mg/L 0.00039 0.4918 mg/L 0.00039 0.08%
 QC value within limits for V 292.402 Recovery = 98.36%
 Zn 213.857† 72284.7 0.4819 mg/L 0.00058 0.4819 mg/L 0.00058 0.12%
 QC value within limits for Zn 213.857 Recovery = 96.38%
 All analyte(s) passed QC.

Sequence No.: 14
 Sample ID: CCB1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 10/11/2012 5:30:35 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

 Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	1.2	-1.9	-0.0011	mg/L	-0.0011	mg/L	17:32:34
1	Fe 234.349†	10.5	5.9	0.0101	mg/L	0.0101	mg/L	17:32:34
1	K 766.490†	433.1	108.2	0.1255	mg/L	0.1255	mg/L	17:32:24
1	Li 670.784†	-198.8	-1.1	0.0011	mg/L	0.0011	mg/L	17:32:24
1	Na 589.592†	432.9	707.3	0.1169	mg/L	0.1169	mg/L	17:32:24
1	Sr 407.771†	62.3	-49.0	-0.0001	mg/L	-0.0001	mg/L	17:32:24
1	Y 371.029	3260368.3	3260368.3	1.04	mg/L			17:32:58
1	Ag 328.068†	1873.6	-241.9	-0.0018	mg/L	-0.0018	mg/L	17:33:01
1	Al 237.313†	-200.9	-45.5	-0.0211	mg/L	-0.0211	mg/L	17:33:01
1	As 188.979†	7.5	-0.7	0.0013	mg/L	0.0013	mg/L	17:33:11
1	B 182.528†	-4.6	2.3	0.0044	mg/L	0.0044	mg/L	17:33:11
1	Ba 233.527†	-77.7	-8.0	-0.0016	mg/L	-0.0016	mg/L	17:33:11
1	Be 313.107†	-826.6	112.2	0.0001	mg/L	0.0001	mg/L	17:33:01
1	Ca 315.887†	514.9	-1042.1	-0.0210	mg/L	-0.0210	mg/L	17:33:01
1	Cd 228.802†	89.0	-7.6	-0.0003	mg/L	-0.0003	mg/L	17:33:11
1	Co 228.616†	-42.6	-6.4	-0.0046	mg/L	-0.0046	mg/L	17:33:11
1	Cr 267.716†	642.1	-20.0	-0.0007	mg/L	-0.0007	mg/L	17:33:01
1	Cu 324.752†	1776.3	-64.7	-0.0023	mg/L	-0.0023	mg/L	17:33:01
1	Fe 238.204†	563.7	-325.5	-0.0113	mg/L	-0.0113	mg/L	17:33:11
1	Mg 279.077†	210.1	-124.7	-0.0347	mg/L	-0.0347	mg/L	17:33:01
1	Mn 257.610†	436.7	-137.8	-0.0023	mg/L	-0.0023	mg/L	17:33:01
1	Mo 202.031†	86.6	94.8	0.0040	mg/L	0.0040	mg/L	17:33:11
1	Ni 231.604†	0.3	-9.4	-0.0029	mg/L	-0.0029	mg/L	17:33:11
1	P 214.914†	282.6	6.8	0.0183	mg/L	0.0183	mg/L	17:33:11
1	Pb 220.353†	14.9	0.5	-0.0026	mg/L	-0.0026	mg/L	17:33:11
1	Sb 206.836†	43.4	5.9	0.0019	mg/L	0.0019	mg/L	17:33:11
1	Se 196.026†	7.3	9.0	0.0077	mg/L	0.0077	mg/L	17:33:11
1	Sn 189.927†	-8.9	-5.9	-0.0030	mg/L	-0.0030	mg/L	17:33:11
1	Ti 337.279†	-1025.1	114.6	0.0013	mg/L	0.0013	mg/L	17:33:01
1	Tl 190.801†	7.8	-0.2	-0.0060	mg/L	-0.0060	mg/L	17:33:11
1	V 292.402†	-825.2	131.3	0.0027	mg/L	0.0027	mg/L	17:33:01
1	Zn 213.857†	1106.7	-25.7	-0.0036	mg/L	-0.0036	mg/L	17:33:11
2	B 249.677†	4.7	1.5	0.0030	mg/L	0.0030	mg/L	17:32:55
2	Fe 234.349†	-5.8	-9.9	-0.0147	mg/L	-0.0147	mg/L	17:32:55
2	K 766.490†	437.7	120.9	0.1350	mg/L	0.1350	mg/L	17:32:45
2	Li 670.784†	-169.4	23.9	0.0025	mg/L	0.0025	mg/L	17:32:45
2	Na 589.592†	370.5	654.5	0.1023	mg/L	0.1023	mg/L	17:32:45
2	Sr 407.771†	67.4	-42.8	-0.0001	mg/L	-0.0001	mg/L	17:32:45
2	Y 371.029	3197027.9	3197027.9	1.02	mg/L			17:33:13
2	Ag 328.068†	1976.8	-105.4	-0.0009	mg/L	-0.0009	mg/L	17:33:15
2	Al 237.313†	-283.5	-130.1	-0.0293	mg/L	-0.0293	mg/L	17:33:15
2	As 188.979†	17.1	8.9	0.0088	mg/L	0.0088	mg/L	17:33:26
2	B 182.528†	-2.9	3.8	0.0062	mg/L	0.0062	mg/L	17:33:26
2	Ba 233.527†	-86.7	-18.3	-0.0017	mg/L	-0.0017	mg/L	17:33:26
2	Be 313.107†	-832.6	90.6	0.0001	mg/L	0.0001	mg/L	17:33:15
2	Ca 315.887†	541.4	-1006.3	-0.0207	mg/L	-0.0207	mg/L	17:33:15
2	Cd 228.802†	94.9	-0.1	-0.0001	mg/L	-0.0001	mg/L	17:33:26

2	Co	228.616†	-21.5	13.5	-0.0043 mg/L	-0.0043 mg/L	17:33:26
2	Cr	267.716†	556.7	-91.4	-0.0013 mg/L	-0.0013 mg/L	17:33:15
2	Cu	324.752†	1818.6	10.5	-0.0019 mg/L	-0.0019 mg/L	17:33:15
2	Fe	238.204†	484.6	-392.1	-0.0117 mg/L	-0.0117 mg/L	17:33:26
2	Mg	279.077†	216.4	-114.6	-0.0341 mg/L	-0.0341 mg/L	17:33:15
2	Mn	257.610†	496.6	-70.9	-0.0022 mg/L	-0.0022 mg/L	17:33:15
2	Mo	202.031†	46.0	56.8	0.0026 mg/L	0.0026 mg/L	17:33:26
2	Ni	231.604†	14.0	4.0	-0.0026 mg/L	-0.0026 mg/L	17:33:26
2	P	214.914†	266.3	-3.7	0.0140 mg/L	0.0140 mg/L	17:33:26
2	Pb	220.353†	-10.1	-23.7	-0.0040 mg/L	-0.0040 mg/L	17:33:26
2	Sb	206.836†	35.8	-0.7	-0.0018 mg/L	-0.0018 mg/L	17:33:26
2	Se	196.026†	10.2	11.9	0.0096 mg/L	0.0096 mg/L	17:33:26
2	Sn	189.927†	-9.0	-6.1	-0.0031 mg/L	-0.0031 mg/L	17:33:26
2	Ti	337.279†	-970.2	148.9	0.0014 mg/L	0.0014 mg/L	17:33:15
2	Tl	190.801†	2.9	-4.8	-0.0086 mg/L	-0.0086 mg/L	17:33:26
2	V	292.402†	-850.3	91.1	0.0025 mg/L	0.0025 mg/L	17:33:15
2	Zn	213.857†	1144.7	32.4	-0.0032 mg/L	-0.0032 mg/L	17:33:26

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3228698.1	1.03 mg/L	0.014			1.39%
Ag 328.068†	-173.6	-0.0013 mg/L	0.00060	-0.0013 mg/L	0.00060	44.52%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-87.8	-0.0252 mg/L	0.00576	-0.0252 mg/L	0.00576	22.87%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	4.1	0.0050 mg/L	0.00530	0.0050 mg/L	0.00530	105.16%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	3.1	0.0053 mg/L	0.00125	0.0053 mg/L	0.00125	23.57%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-0.2	0.0010 mg/L	0.00286	0.0010 mg/L	0.00286	297.85%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	-13.2	-0.0017 mg/L	0.00007	-0.0017 mg/L	0.00007	3.90%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	101.4	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	5.96%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-1024.2	-0.0209 mg/L	0.00018	-0.0209 mg/L	0.00018	0.87%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	-3.9	-0.0002 mg/L	0.00012	-0.0002 mg/L	0.00012	67.91%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	3.5	-0.0044 mg/L	0.00024	-0.0044 mg/L	0.00024	5.49%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-55.7	-0.0010 mg/L	0.00041	-0.0010 mg/L	0.00041	41.40%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-27.1	-0.0021 mg/L	0.00023	-0.0021 mg/L	0.00023	11.16%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	-2.0	-0.0023 mg/L	0.01759	-0.0023 mg/L	0.01759	765.96%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	-358.8	-0.0115 mg/L	0.00030	-0.0115 mg/L	0.00030	2.62%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	114.5	0.1302 mg/L	0.00673	0.1302 mg/L	0.00673	5.17%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	11.4	0.0018 mg/L	0.00102	0.0018 mg/L	0.00102	57.00%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	-119.7	-0.0344 mg/L	0.00042	-0.0344 mg/L	0.00042	1.23%
QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	-104.3	-0.0023 mg/L	0.00005	-0.0023 mg/L	0.00005	2.40%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	75.8	0.0033 mg/L	0.00104	0.0033 mg/L	0.00104	31.53%
QC value greater than the upper limit for Mo 202.031 Recovery = Not calculated						
Na 589.592†	680.9	0.1096 mg/L	0.01031	0.1096 mg/L	0.01031	9.40%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-2.7	-0.0028 mg/L	0.00020	-0.0028 mg/L	0.00020	7.19%
QC value less than the lower limit for Ni 231.604 Recovery = Not calculated						
P 214.914†	1.6	0.0162 mg/L	0.00305	0.0162 mg/L	0.00305	18.83%
QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	-11.6	-0.0033 mg/L	0.00102	-0.0033 mg/L	0.00102	30.83%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	2.6	0.0000 mg/L	0.00263	0.0000 mg/L	0.00263	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	10.4	0.0087 mg/L	0.00129	0.0087 mg/L	0.00129	14.95%
QC value within limits for Se 196.026 Recovery = Not calculated						

Sn 189.927†	-6.0	-0.0030 mg/L	0.00007	-0.0030 mg/L	0.00007	2.44%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	-45.9	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	10.26%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	131.8	0.0013 mg/L	0.00003	0.0013 mg/L	0.00003	2.17%
QC value greater than the upper limit for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	-2.5	-0.0073 mg/L	0.00179	-0.0073 mg/L	0.00179	24.47%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	111.2	0.0026 mg/L	0.00014	0.0026 mg/L	0.00014	5.31%
QC value greater than the upper limit for V 292.402 Recovery = Not calculated						
Zn 213.857†	3.3	-0.0034 mg/L	0.00028	-0.0034 mg/L	0.00028	8.22%
QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.						

Sequence No.: 15
Sample ID: CJ21017-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 10/11/2012 5:35:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Analysis Time
1	B 249.677†	43.7	40.2	0.0485	mg/L	0.0485	17:36:57
1	Fe 234.349†	38.8	34.3	0.0545	mg/L	0.0545	17:36:57
1	K 766.490†	417.2	107.1	0.1247	mg/L	0.1247	17:36:47
1	Li 670.784†	-233.8	-42.6	-0.0013	mg/L	-0.0013	17:36:47
1	Na 589.592†	19018.0	19177.3	5.214	mg/L	5.214	17:36:47
1	Sr 407.771†	518.1	405.7	0.0007	mg/L	0.0007	17:36:47
1	Y 371.029	3149268.9	3149268.9	1.01	mg/L		17:37:13
1	Ag 328.068†	1946.5	-106.1	-0.0009	mg/L	-0.0009	17:37:16
1	Al 237.313†	189.5	335.4	0.0156	mg/L	0.0156	17:37:16
1	As 188.979†	16.0	8.1	0.0082	mg/L	0.0082	17:37:26
1	B 182.528†	36.3	42.7	0.0509	mg/L	0.0509	17:37:26
1	Ba 233.527†	415.4	479.0	0.0028	mg/L	0.0028	17:37:26
1	Be 313.107†	-784.1	126.5	0.0001	mg/L	0.0001	17:37:16
1	Ca 315.887†	85999.7	83863.6	0.5830	mg/L	0.5830	17:37:16
1	Cd 228.802†	94.9	1.2	-0.0001	mg/L	-0.0001	17:37:26
1	Co 228.616†	-60.2	-25.3	-0.0049	mg/L	-0.0049	17:37:26
1	Cr 267.716†	740.5	99.4	0.0003	mg/L	0.0003	17:37:16
1	Cu 324.752†	2050.2	267.5	-0.0008	mg/L	-0.0008	17:37:16
1	Fe 238.204†	10218.3	9280.8	0.0500	mg/L	0.0500	17:37:16
1	Mg 279.077†	1423.7	1087.5	0.0369	mg/L	0.0369	17:37:16
1	Mn 257.610†	1609.4	1041.5	-0.0010	mg/L	-0.0010	17:37:16
1	Mo 202.031†	54.0	65.4	0.0029	mg/L	0.0029	17:37:26
1	Ni 231.604†	33.0	23.1	-0.0022	mg/L	-0.0022	17:37:26
1	P 214.914†	282.0	15.8	0.0221	mg/L	0.0221	17:37:26
1	Pb 220.353†	-35.1	-48.6	-0.0056	mg/L	-0.0056	17:37:26
1	Sb 206.836†	36.0	0.1	-0.0014	mg/L	-0.0014	17:37:26
1	Se 196.026†	5.7	7.6	0.0069	mg/L	0.0069	17:37:26
1	Sn 189.927†	-1.6	1.1	-0.0019	mg/L	-0.0019	17:37:26
1	Ti 337.279†	-104.2	994.5	0.0024	mg/L	0.0024	17:37:16
1	Tl 190.801†	0.4	-7.3	-0.0100	mg/L	-0.0100	17:37:26
1	V 292.402†	-847.5	81.3	0.0024	mg/L	0.0024	17:37:16
1	Zn 213.857†	2076.4	974.6	0.0032	mg/L	0.0032	17:37:26
2	B 249.677†	47.0	43.5	0.0523	mg/L	0.0523	17:37:10
2	Fe 234.349†	42.5	38.0	0.0602	mg/L	0.0602	17:37:10
2	K 766.490†	427.8	117.8	0.1327	mg/L	0.1327	17:37:00
2	Li 670.784†	-123.5	66.8	0.0050	mg/L	0.0050	17:37:00
2	Na 589.592†	18867.0	19040.3	5.176	mg/L	5.176	17:37:00
2	Sr 407.771†	457.2	345.5	0.0006	mg/L	0.0006	17:37:00
2	Y 371.029	3147104.0	3147104.0	1.01	mg/L		17:37:28
2	Ag 328.068†	1884.9	-166.0	-0.0013	mg/L	-0.0013	17:37:30
2	Al 237.313†	152.4	298.7	0.0120	mg/L	0.0120	17:37:30
2	As 188.979†	10.8	2.9	0.0041	mg/L	0.0041	17:37:41
2	B 182.528†	34.8	41.2	0.0493	mg/L	0.0493	17:37:41
2	Ba 233.527†	414.3	478.3	0.0028	mg/L	0.0028	17:37:41
2	Be 313.107†	-802.7	107.4	0.0001	mg/L	0.0001	17:37:30
2	Ca 315.887†	86925.2	84842.0	0.5900	mg/L	0.5900	17:37:30
2	Cd 228.802†	94.1	0.5	-0.0001	mg/L	-0.0001	17:37:41
2	Co 228.616†	-37.3	-2.6	-0.0045	mg/L	-0.0045	17:37:41

2	Cr 267.716†	745.4	104.7	0.0003 mg/L	0.0003 mg/L	17:37:30
2	Cu 324.752†	2087.7	306.1	-0.0006 mg/L	-0.0006 mg/L	17:37:30
2	Fe 238.204†	10247.8	9317.1	0.0502 mg/L	0.0502 mg/L	17:37:30
2	Mg 279.077†	1475.9	1140.3	0.0400 mg/L	0.0400 mg/L	17:37:30
2	Mn 257.610†	1580.2	1013.6	-0.0010 mg/L	-0.0010 mg/L	17:37:30
2	Mo 202.031†	61.0	72.4	0.0031 mg/L	0.0031 mg/L	17:37:41
2	Ni 231.604†	36.5	26.6	-0.0021 mg/L	-0.0021 mg/L	17:37:41
2	P 214.914†	274.2	8.2	0.0190 mg/L	0.0190 mg/L	17:37:41
2	Pb 220.353†	-0.6	-14.4	-0.0035 mg/L	-0.0035 mg/L	17:37:41
2	Sb 206.836†	36.4	0.5	-0.0012 mg/L	-0.0012 mg/L	17:37:41
2	Se 196.026†	0.5	2.5	0.0036 mg/L	0.0036 mg/L	17:37:41
2	Sn 189.927†	-16.8	-14.0	-0.0039 mg/L	-0.0039 mg/L	17:37:41
2	Ti 337.279†	-231.7	867.6	0.0022 mg/L	0.0022 mg/L	17:37:30
2	Tl 190.801†	1.4	-6.3	-0.0094 mg/L	-0.0094 mg/L	17:37:41
2	V 292.402†	-863.5	64.8	0.0024 mg/L	0.0024 mg/L	17:37:30
2	Zn 213.857†	2071.3	971.0	0.0032 mg/L	0.0032 mg/L	17:37:41

Mean Data: CJ21017-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD	
Y 371.029	3148186.4	1.01	mg/L	0.000			0.05%	
Ag 328.068†	-136.1	-0.0011	mg/L	0.00026	-0.0011	mg/L	0.00026	23.74%
Al 237.313†	317.1	0.0138	mg/L	0.00250	0.0138	mg/L	0.00250	18.10%
As 188.979†	5.5	0.0061	mg/L	0.00285	0.0061	mg/L	0.00285	46.31%
B 182.528†	41.9	0.0501	mg/L	0.00118	0.0501	mg/L	0.00118	2.35%
B 249.677†	41.9	0.0504	mg/L	0.00275	0.0504	mg/L	0.00275	5.45%
Ba 233.527†	478.6	0.0028	mg/L	0.00000	0.0028	mg/L	0.00000	0.18%
Be 313.107†	116.9	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	4.94%
Ca 315.887†	84352.8	0.5865	mg/L	0.00492	0.5865	mg/L	0.00492	0.84%
Cd 228.802†	0.9	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	1.41%
Co 228.616†	-14.0	-0.0047	mg/L	0.00028	-0.0047	mg/L	0.00028	5.92%
Cr 267.716†	102.1	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.66%
Cu 324.752†	286.8	-0.0007	mg/L	0.00012	-0.0007	mg/L	0.00012	16.83%
Fe 234.349†	36.2	0.0574	mg/L	0.00407	0.0574	mg/L	0.00407	7.10%
Fe 238.204†	9299.0	0.0501	mg/L	0.00016	0.0501	mg/L	0.00016	0.33%
K 766.490†	112.5	0.1287	mg/L	0.00567	0.1287	mg/L	0.00567	4.40%
Li 670.784†	12.1	0.0018	mg/L	0.00445	0.0018	mg/L	0.00445	243.57%
Mg 279.077†	1113.9	0.0384	mg/L	0.00221	0.0384	mg/L	0.00221	5.74%
Mn 257.610†	1027.6	-0.0010	mg/L	0.00002	-0.0010	mg/L	0.00002	2.38%
Mo 202.031†	68.9	0.0030	mg/L	0.00019	0.0030	mg/L	0.00019	6.29%
Na 589.592†	19108.8	5.195	mg/L	0.0267	5.195	mg/L	0.0267	0.51%
Ni 231.604†	24.8	-0.0022	mg/L	0.00005	-0.0022	mg/L	0.00005	2.42%
P 214.914†	12.0	0.0205	mg/L	0.00215	0.0205	mg/L	0.00215	10.48%
Pb 220.353†	-31.5	-0.0045	mg/L	0.00145	-0.0045	mg/L	0.00145	32.02%
Sb 206.836†	0.3	-0.0013	mg/L	0.00016	-0.0013	mg/L	0.00016	12.28%
Se 196.026†	5.0	0.0053	mg/L	0.00229	0.0053	mg/L	0.00229	43.53%
Sn 189.927†	-6.4	-0.0029	mg/L	0.00139	-0.0029	mg/L	0.00139	48.02%
Sr 407.771†	375.6	0.0006	mg/L	0.00007	0.0006	mg/L	0.00007	11.23%
Ti 337.279†	931.0	0.0023	mg/L	0.00011	0.0023	mg/L	0.00011	4.68%
Tl 190.801†	-6.8	-0.0097	mg/L	0.00037	-0.0097	mg/L	0.00037	3.85%
V 292.402†	73.0	0.0024	mg/L	0.00005	0.0024	mg/L	0.00005	2.19%
Zn 213.857†	972.8	0.0032	mg/L	0.00002	0.0032	mg/L	0.00002	0.56%

Sequence No.: 16
Sample ID: CJ21017-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 10/11/2012 5:39:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-3.9	-4.7	-0.0043 mg/L	-0.0043 mg/L	17:41:19
1	Fe 234.349†	-5.9	-6.6	-0.0096 mg/L	-0.0096 mg/L	17:41:19
1	K 766.490†	314.2	-181.1	-0.0901 mg/L	-0.0901 mg/L	17:41:09
1	Li 670.784†	-347.0	50.3	0.0040 mg/L	0.0040 mg/L	17:41:09
1	Na 589.592†	-82.1	259.1	-0.0068 mg/L	-0.0068 mg/L	17:41:09
1	Sr 407.771†	78.2	-77.4	-0.0001 mg/L	-0.0001 mg/L	17:41:09
1	Y 371.029	7792435.3	7792435.3	2.49 mg/L		17:41:44
1	Ag 328.068†	1717.1	-1349.9	-0.0086 mg/L	-0.0086 mg/L	17:41:46

1	Al	237.313†	-257.7	43.8	-0.0125	mg/L	-0.0125	mg/L	17:41:56
1	As	188.979†	6.6	-5.2	-0.0022	mg/L	-0.0022	mg/L	17:41:56
1	B	182.528†	-6.1	4.2	0.0066	mg/L	0.0066	mg/L	17:41:56
1	Ba	233.527†	-92.9	29.2	-0.0013	mg/L	-0.0013	mg/L	17:41:56
1	Be	313.107†	-805.3	581.9	0.0004	mg/L	0.0004	mg/L	17:41:46
1	Ca	315.887†	1844.2	-795.8	-0.0192	mg/L	-0.0192	mg/L	17:41:46
1	Cd	228.802†	92.5	-55.9	-0.0015	mg/L	-0.0015	mg/L	17:41:56
1	Co	228.616†	-32.0	21.6	-0.0041	mg/L	-0.0041	mg/L	17:41:56
1	Cr	267.716†	512.4	-430.3	-0.0040	mg/L	-0.0040	mg/L	17:41:46
1	Cu	324.752†	1327.7	-1235.6	-0.0074	mg/L	-0.0074	mg/L	17:41:46
1	Fe	238.204†	7.5	-863.1	-0.0147	mg/L	-0.0147	mg/L	17:41:56
1	Mg	279.077†	204.4	-244.3	-0.0418	mg/L	-0.0418	mg/L	17:41:46
1	Mn	257.610†	307.1	-433.4	-0.0027	mg/L	-0.0027	mg/L	17:41:56
1	Mo	202.031†	57.9	35.0	0.0017	mg/L	0.0017	mg/L	17:41:56
1	Ni	231.604†	7.9	-6.5	-0.0028	mg/L	-0.0028	mg/L	17:41:56
1	P	214.914†	321.2	-135.3	-0.0391	mg/L	-0.0391	mg/L	17:41:56
1	Pb	220.353†	12.7	-8.7	-0.0031	mg/L	-0.0031	mg/L	17:41:56
1	Sb	206.836†	43.3	-18.3	-0.0118	mg/L	-0.0118	mg/L	17:41:56
1	Se	196.026†	3.0	3.1	0.0040	mg/L	0.0040	mg/L	17:41:56
1	Sn	189.927†	-2.5	1.7	-0.0020	mg/L	-0.0020	mg/L	17:41:56
1	Ti	337.279†	45.9	1116.3	0.0025	mg/L	0.0025	mg/L	17:41:46
1	Tl	190.801†	-0.2	-7.8	-0.0102	mg/L	-0.0102	mg/L	17:41:56
1	V	292.402†	-759.6	618.0	0.0049	mg/L	0.0049	mg/L	17:41:46
1	Zn	213.857†	1213.2	-600.4	-0.0074	mg/L	-0.0074	mg/L	17:41:56
2	B	249.677†	-1.1	-3.6	-0.0030	mg/L	-0.0030	mg/L	17:41:40
2	Fe	234.349†	1.3	-3.7	-0.0050	mg/L	-0.0050	mg/L	17:41:40
2	K	766.490†	320.5	-180.3	-0.0895	mg/L	-0.0895	mg/L	17:41:30
2	Li	670.784†	-291.3	74.2	0.0054	mg/L	0.0054	mg/L	17:41:30
2	Na	589.592†	-97.0	253.7	-0.0083	mg/L	-0.0083	mg/L	17:41:30
2	Sr	407.771†	73.8	-79.6	-0.0001	mg/L	-0.0001	mg/L	17:41:30
2	Y	371.029	7894631.4	7894631.4	2.52	mg/L			17:41:58
2	Ag	328.068†	1687.5	-1370.5	-0.0088	mg/L	-0.0088	mg/L	17:42:01
2	Al	237.313†	-233.0	54.9	-0.0115	mg/L	-0.0115	mg/L	17:42:11
2	As	188.979†	9.4	-4.1	-0.0014	mg/L	-0.0014	mg/L	17:42:11
2	B	182.528†	-9.3	3.0	0.0052	mg/L	0.0052	mg/L	17:42:11
2	Ba	233.527†	-96.1	28.5	-0.0013	mg/L	-0.0013	mg/L	17:42:11
2	Be	313.107†	-707.4	624.9	0.0004	mg/L	0.0004	mg/L	17:42:01
2	Ca	315.887†	1726.1	-852.1	-0.0196	mg/L	-0.0196	mg/L	17:42:01
2	Cd	228.802†	84.6	-59.5	-0.0016	mg/L	-0.0016	mg/L	17:42:11
2	Co	228.616†	-62.5	9.7	-0.0043	mg/L	-0.0043	mg/L	17:42:11
2	Cr	267.716†	515.8	-431.6	-0.0040	mg/L	-0.0040	mg/L	17:42:01
2	Cu	324.752†	1291.8	-1256.7	-0.0075	mg/L	-0.0075	mg/L	17:42:01
2	Fe	238.204†	8.2	-862.9	-0.0147	mg/L	-0.0147	mg/L	17:42:11
2	Mg	279.077†	201.3	-246.6	-0.0419	mg/L	-0.0419	mg/L	17:42:01
2	Mn	257.610†	252.4	-456.7	-0.0027	mg/L	-0.0027	mg/L	17:42:11
2	Mo	202.031†	49.7	31.5	0.0016	mg/L	0.0016	mg/L	17:42:11
2	Ni	231.604†	-1.9	-10.4	-0.0029	mg/L	-0.0029	mg/L	17:42:11
2	P	214.914†	324.7	-135.6	-0.0392	mg/L	-0.0392	mg/L	17:42:11
2	Pb	220.353†	33.5	-0.5	-0.0026	mg/L	-0.0026	mg/L	17:42:11
2	Sb	206.836†	35.0	-21.8	-0.0138	mg/L	-0.0138	mg/L	17:42:11
2	Se	196.026†	-1.3	1.4	0.0029	mg/L	0.0029	mg/L	17:42:11
2	Sn	189.927†	5.5	4.8	-0.0016	mg/L	-0.0016	mg/L	17:42:11
2	Ti	337.279†	557.6	1318.8	0.0028	mg/L	0.0028	mg/L	17:42:01
2	Tl	190.801†	-0.0	-7.7	-0.0102	mg/L	-0.0102	mg/L	17:42:11
2	V	292.402†	-788.7	610.4	0.0048	mg/L	0.0048	mg/L	17:42:01
2	Zn	213.857†	1215.2	-605.9	-0.0075	mg/L	-0.0075	mg/L	17:42:11

Mean Data: CJ21017-BS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	7843533.3	2.51 mg/L	0.023			0.92%
Internal Standard Check greater than the upper limit for Y 371.029. Recovery = 250.8%						
Ag 328.068†	-1360.2	-0.0087 mg/L	0.00009	-0.0087 mg/L	0.00009	1.04%
Al 237.313†	49.4	-0.0120 mg/L	0.00076	-0.0120 mg/L	0.00076	6.29%
As 188.979†	-4.7	-0.0018 mg/L	0.00059	-0.0018 mg/L	0.00059	32.27%
B 182.528†	3.6	0.0059 mg/L	0.00101	0.0059 mg/L	0.00101	17.09%
B 249.677†	-4.1	-0.0036 mg/L	0.00094	-0.0036 mg/L	0.00094	25.83%
Ba 233.527†	28.8	-0.0013 mg/L	0.00000	-0.0013 mg/L	0.00000	0.38%
Be 313.107†	603.4	0.0004 mg/L	0.00001	0.0004 mg/L	0.00001	4.00%
Ca 315.887†	-824.0	-0.0194 mg/L	0.00028	-0.0194 mg/L	0.00028	1.46%
Cd 228.802†	-57.7	-0.0016 mg/L	0.00007	-0.0016 mg/L	0.00007	4.46%
Co 228.616†	15.6	-0.0042 mg/L	0.00015	-0.0042 mg/L	0.00015	3.48%

Cr 267.716†	-431.0	-0.0040 mg/L	0.00001	-0.0040 mg/L	0.00001	0.19%
Cu 324.752†	-1246.2	-0.0075 mg/L	0.00007	-0.0075 mg/L	0.00007	0.88%
Fe 234.349†	-5.1	-0.0073 mg/L	0.00324	-0.0073 mg/L	0.00324	44.52%
Fe 238.204†	-863.0	-0.0147 mg/L	0.00000	-0.0147 mg/L	0.00000	0.01%
K 766.490†	-180.7	-0.0898 mg/L	0.00045	-0.0898 mg/L	0.00045	0.50%
Li 670.784†	62.2	0.0047 mg/L	0.00097	0.0047 mg/L	0.00097	20.61%
Mg 279.077†	-245.4	-0.0419 mg/L	0.00009	-0.0419 mg/L	0.00009	0.23%
Mn 257.610†	-445.0	-0.0027 mg/L	0.00002	-0.0027 mg/L	0.00002	0.71%
Mo 202.031†	33.2	0.0016 mg/L	0.00010	0.0016 mg/L	0.00010	5.96%
Na 589.592†	256.4	-0.0075 mg/L	0.00106	-0.0075 mg/L	0.00106	14.13%
Ni 231.604†	-8.5	-0.0029 mg/L	0.00006	-0.0029 mg/L	0.00006	2.04%
P 214.914†	-135.4	-0.0392 mg/L	0.00008	-0.0392 mg/L	0.00008	0.20%
Pb 220.353†	-4.6	-0.0029 mg/L	0.00035	-0.0029 mg/L	0.00035	11.95%
Sb 206.836†	-20.1	-0.0128 mg/L	0.00141	-0.0128 mg/L	0.00141	10.99%
Se 196.026†	2.3	0.0035 mg/L	0.00077	0.0035 mg/L	0.00077	22.02%
Sn 189.927†	3.2	-0.0018 mg/L	0.00030	-0.0018 mg/L	0.00030	16.71%
Sr 407.771†	-78.5	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	2.00%
Ti 337.279†	1217.5	0.0026 mg/L	0.00017	0.0026 mg/L	0.00017	6.50%
Tl 190.801†	-7.8	-0.0102 mg/L	0.00002	-0.0102 mg/L	0.00002	0.23%
V 292.402†	614.2	0.0049 mg/L	0.00003	0.0049 mg/L	0.00003	0.54%
Zn 213.857†	-603.2	-0.0075 mg/L	0.00003	-0.0075 mg/L	0.00003	0.35%
Internal Standard Check failed. Continue with analysis.						

Sequence No.: 17
Sample ID: CJ21017-BSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 10/11/2012 5:43:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	490.0	496.6	0.5835	mg/L	0.5835	mg/L	17:45:42
1	Fe 234.349†	1709.2	1738.8	2.733	mg/L	2.733	mg/L	17:45:42
1	K 766.490†	34547.7	34925.2	26.07	mg/L	26.07	mg/L	17:45:32
1	Li 670.784†	9050.4	9419.3	0.5425	mg/L	0.5425	mg/L	17:45:42
1	Na 589.592†	111403.7	113903.8	31.35	mg/L	31.35	mg/L	17:45:32
1	Sr 407.771†	29808.9	30290.9	0.0518	mg/L	0.0518	mg/L	17:45:32
1	Y 371.029	3066512.2	3066512.2	0.981	mg/L			17:46:00
1	Ag 328.068†	42921.8	41733.5	0.2589	mg/L	0.2589	mg/L	17:46:00
1	Al 237.313†	26148.6	26814.1	2.571	mg/L	2.571	mg/L	17:46:10
1	As 188.979†	644.9	649.8	0.5098	mg/L	0.5098	mg/L	17:46:10
1	B 182.528†	476.7	492.8	0.5696	mg/L	0.5696	mg/L	17:46:10
1	Ba 233.527†	57615.2	58823.6	0.5293	mg/L	0.5293	mg/L	17:46:00
1	Be 313.107†	105697.7	108697.7	0.0525	mg/L	0.0525	mg/L	17:46:00
1	Ca 315.887†	777541.9	791416.9	5.619	mg/L	5.619	mg/L	17:46:00
1	Cd 228.802†	9566.7	9663.3	0.2538	mg/L	0.2538	mg/L	17:46:10
1	Co 228.616†	29801.2	30426.3	0.5252	mg/L	0.5252	mg/L	17:46:10
1	Cr 267.716†	64380.1	65020.2	0.5239	mg/L	0.5239	mg/L	17:46:00
1	Cu 324.752†	119207.1	119801.3	0.5281	mg/L	0.5281	mg/L	17:46:00
1	Fe 238.204†	412911.2	420229.0	2.671	mg/L	2.671	mg/L	17:46:00
1	Mg 279.077†	87016.5	88414.9	5.197	mg/L	5.197	mg/L	17:46:00
1	Mn 257.610†	442490.1	450703.6	0.5211	mg/L	0.5211	mg/L	17:46:00
1	Mo 202.031†	13001.5	13271.0	0.5129	mg/L	0.5129	mg/L	17:46:10
1	Ni 231.604†	24289.5	24761.2	0.5218	mg/L	0.5218	mg/L	17:46:00
1	P 214.914†	12674.7	12661.7	5.136	mg/L	5.136	mg/L	17:46:10
1	Pb 220.353†	8565.0	8721.0	0.5174	mg/L	0.5174	mg/L	17:46:10
1	Sb 206.836†	913.3	895.7	0.5043	mg/L	0.5043	mg/L	17:46:10
1	Se 196.026†	1565.6	1598.6	1.016	mg/L	1.016	mg/L	17:46:10
1	Sn 189.927†	3876.4	3955.9	0.5256	mg/L	0.5256	mg/L	17:46:10
1	Ti 337.279†	427646.6	437220.5	0.5244	mg/L	0.5244	mg/L	17:46:00
1	Tl 190.801†	951.0	962.1	0.5207	mg/L	0.5207	mg/L	17:46:10
1	V 292.402†	108769.3	111848.0	0.5208	mg/L	0.5208	mg/L	17:46:00
1	Zn 213.857†	76866.8	77303.0	0.5156	mg/L	0.5156	mg/L	17:46:00
2	B 249.677†	478.0	477.2	0.5607	mg/L	0.5607	mg/L	17:45:54
2	Fe 234.349†	1708.4	1712.5	2.692	mg/L	2.692	mg/L	17:45:54
2	K 766.490†	34894.5	34757.4	25.95	mg/L	25.95	mg/L	17:45:44
2	Li 670.784†	9086.3	9320.1	0.5368	mg/L	0.5368	mg/L	17:45:54
2	Na 589.592†	112561.1	113402.0	31.22	mg/L	31.22	mg/L	17:45:44
2	Sr 407.771†	29959.1	29996.4	0.0513	mg/L	0.0513	mg/L	17:45:44
2	Y 371.029	3112116.6	3112116.6	0.995	mg/L			17:46:14

2	Ag 328.068†	42876.2	41046.2	0.2547 mg/L	0.2547 mg/L	17:46:14
2	Al 237.313†	26066.4	26340.7	2.525 mg/L	2.525 mg/L	17:46:24
2	As 188.979†	643.9	639.2	0.5015 mg/L	0.5015 mg/L	17:46:24
2	B 182.528†	471.7	480.7	0.5556 mg/L	0.5556 mg/L	17:46:24
2	Ba 233.527†	57729.1	58077.1	0.5225 mg/L	0.5225 mg/L	17:46:14
2	Be 313.107†	105886.8	107308.1	0.0518 mg/L	0.0518 mg/L	17:46:14
2	Ca 315.887†	777963.9	780221.2	5.539 mg/L	5.539 mg/L	17:46:14
2	Cd 228.802†	9501.5	9454.8	0.2483 mg/L	0.2483 mg/L	17:46:24
2	Co 228.616†	29673.8	29853.0	0.5152 mg/L	0.5152 mg/L	17:46:24
2	Cr 267.716†	64180.1	63857.1	0.5145 mg/L	0.5145 mg/L	17:46:14
2	Cu 324.752†	119369.6	118183.1	0.5209 mg/L	0.5209 mg/L	17:46:14
2	Fe 238.204†	412704.0	413850.1	2.630 mg/L	2.630 mg/L	17:46:14
2	Mg 279.077†	87101.5	87199.9	5.125 mg/L	5.125 mg/L	17:46:14
2	Mn 257.610†	442821.5	444424.0	0.5138 mg/L	0.5138 mg/L	17:46:14
2	Mo 202.031†	12919.8	12994.5	0.5022 mg/L	0.5022 mg/L	17:46:24
2	Ni 231.604†	24290.7	24399.5	0.5141 mg/L	0.5141 mg/L	17:46:14
2	P 214.914†	12592.3	12389.5	5.026 mg/L	5.026 mg/L	17:46:24
2	Pb 220.353†	8481.4	8508.9	0.5047 mg/L	0.5047 mg/L	17:46:24
2	Sb 206.836†	910.9	879.6	0.4952 mg/L	0.4952 mg/L	17:46:24
2	Se 196.026†	1550.9	1560.4	0.9920 mg/L	0.9920 mg/L	17:46:24
2	Sn 189.927†	3854.0	3875.5	0.5149 mg/L	0.5149 mg/L	17:46:24
2	Ti 337.279†	425656.3	428829.6	0.5144 mg/L	0.5144 mg/L	17:46:14
2	Tl 190.801†	949.6	946.5	0.5122 mg/L	0.5122 mg/L	17:46:24
2	V 292.402†	108594.7	110047.0	0.5124 mg/L	0.5124 mg/L	17:46:14
2	Zn 213.857†	76963.1	76251.1	0.5085 mg/L	0.5085 mg/L	17:46:14

Mean Data: CJ21017-BSD1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3089314.4	0.988 mg/L		0.0103			1.04%
Ag 328.068†	41389.9	0.2568 mg/L		0.00302	0.2568 mg/L	0.00302	1.18%
Al 237.313†	26577.4	2.548 mg/L		0.0323	2.548 mg/L	0.0323	1.27%
As 188.979†	644.5	0.5056 mg/L		0.00589	0.5056 mg/L	0.00589	1.16%
B 182.528†	486.7	0.5626 mg/L		0.00988	0.5626 mg/L	0.00988	1.76%
B 249.677†	486.9	0.5721 mg/L		0.01612	0.5721 mg/L	0.01612	2.82%
Ba 233.527†	58450.4	0.5259 mg/L		0.00476	0.5259 mg/L	0.00476	0.91%
Be 313.107†	108002.9	0.0522 mg/L		0.00047	0.0522 mg/L	0.00047	0.91%
Ca 315.887†	785819.0	5.579 mg/L		0.0563	5.579 mg/L	0.0563	1.01%
Cd 228.802†	9559.0	0.2511 mg/L		0.00388	0.2511 mg/L	0.00388	1.55%
Co 228.616†	30139.7	0.5202 mg/L		0.00706	0.5202 mg/L	0.00706	1.36%
Cr 267.716†	64438.6	0.5192 mg/L		0.00663	0.5192 mg/L	0.00663	1.28%
Cu 324.752†	118992.2	0.5245 mg/L		0.00506	0.5245 mg/L	0.00506	0.97%
Fe 234.349†	1725.6	2.712 mg/L		0.0293	2.712 mg/L	0.0293	1.08%
Fe 238.204†	417039.5	2.650 mg/L		0.0288	2.650 mg/L	0.0288	1.09%
K 766.490†	34841.3	26.01 mg/L		0.088	26.01 mg/L	0.088	0.34%
Li 670.784†	9369.7	0.5396 mg/L		0.00403	0.5396 mg/L	0.00403	0.75%
Mg 279.077†	87807.4	5.161 mg/L		0.0508	5.161 mg/L	0.0508	0.98%
Mn 257.610†	447563.8	0.5175 mg/L		0.00516	0.5175 mg/L	0.00516	1.00%
Mo 202.031†	13132.8	0.5075 mg/L		0.00756	0.5075 mg/L	0.00756	1.49%
Na 589.592†	113652.9	31.29 mg/L		0.098	31.29 mg/L	0.098	0.31%
Ni 231.604†	24580.3	0.5179 mg/L		0.00542	0.5179 mg/L	0.00542	1.05%
P 214.914†	12525.6	5.081 mg/L		0.0779	5.081 mg/L	0.0779	1.53%
Pb 220.353†	8615.0	0.5110 mg/L		0.00895	0.5110 mg/L	0.00895	1.75%
Sb 206.836†	887.6	0.4997 mg/L		0.00643	0.4997 mg/L	0.00643	1.29%
Se 196.026†	1579.5	1.004 mg/L		0.0171	1.004 mg/L	0.0171	1.70%
Sn 189.927†	3915.7	0.5203 mg/L		0.00756	0.5203 mg/L	0.00756	1.45%
Sr 407.771†	30143.6	0.0516 mg/L		0.00036	0.0516 mg/L	0.00036	0.69%
Ti 337.279†	433025.1	0.5194 mg/L		0.00710	0.5194 mg/L	0.00710	1.37%
Tl 190.801†	954.3	0.5164 mg/L		0.00603	0.5164 mg/L	0.00603	1.17%
V 292.402†	110947.5	0.5166 mg/L		0.00592	0.5166 mg/L	0.00592	1.15%
Zn 213.857†	76777.1	0.5121 mg/L		0.00499	0.5121 mg/L	0.00499	0.97%

Sequence No.: 18

Sample ID: 1210127-01 SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 22

Date Collected: 10/11/2012 5:48:04 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-01 SPLP

Net

Corrected

Calib.

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Sample Analysis

Repl#	Analyte	Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	68.3	65.2	0.0778 mg/L	0.0778 mg/L	17:50:01
1	Fe 234.349†	187.3	183.1	0.2098 mg/L	0.2098 mg/L	17:50:01
1	K 766.490†	3725.7	3420.0	2.594 mg/L	2.594 mg/L	17:49:51
1	Li 670.784†	-75.2	114.3	0.0077 mg/L	0.0077 mg/L	17:49:51
1	Na 589.592†	30437.8	30742.8	8.406 mg/L	8.406 mg/L	17:49:51
1	Sr 407.771†	353600.0	353641.4	0.6048 mg/L	0.6048 mg/L	17:49:48
1	Y 371.029	3125962.6	3125962.6	1.000 mg/L	1.000 mg/L	17:50:23
1	Ag 328.068†	2192.7	154.6	0.0007 mg/L	0.0007 mg/L	17:50:25
1	Al 237.313†	2319.7	2467.9	0.2209 mg/L	0.2209 mg/L	17:50:35
1	As 188.979†	-12.8	-20.6	-0.0142 mg/L	-0.0142 mg/L	17:50:35
1	B 182.528†	41.0	47.7	0.0567 mg/L	0.0567 mg/L	17:50:35
1	Ba 233.527†	11734.0	11805.5	0.1050 mg/L	0.1050 mg/L	17:50:25
1	Be 313.107†	-1080.3	-175.7	0.0000 mg/L	0.0000 mg/L	17:50:25
1	Ca 315.887†	12589293.9	12593105.9	89.57 mg/L	89.57 mg/L	17:50:20
1	Cd 228.802†	95.8	2.8	0.0001 mg/L	0.0001 mg/L	17:50:35
1	Co 228.616†	-50.0	-15.6	-0.0048 mg/L	-0.0048 mg/L	17:50:35
1	Cr 267.716†	996.8	361.3	0.0024 mg/L	0.0024 mg/L	17:50:25
1	Cu 324.752†	7870.5	6105.4	0.0250 mg/L	0.0250 mg/L	17:50:25
1	Fe 238.204†	26137.4	25282.3	0.1520 mg/L	0.1520 mg/L	17:50:25
1	Mg 279.077†	52101.5	51797.4	3.032 mg/L	3.032 mg/L	17:50:25
1	Mn 257.610†	3566.0	3010.8	0.0013 mg/L	0.0013 mg/L	17:50:35
1	Mo 202.031†	280.5	292.4	0.0116 mg/L	0.0116 mg/L	17:50:35
1	Ni 231.604†	146.2	136.6	0.0002 mg/L	0.0002 mg/L	17:50:35
1	P 214.914†	452.6	188.6	0.0920 mg/L	0.0920 mg/L	17:50:35
1	Pb 220.353†	95.7	82.0	0.0022 mg/L	0.0022 mg/L	17:50:35
1	Sb 206.836†	48.8	13.1	0.0058 mg/L	0.0058 mg/L	17:50:35
1	Se 196.026†	-11.2	-9.2	-0.0037 mg/L	-0.0037 mg/L	17:50:35
1	Sn 189.927†	-488.0	-485.6	-0.0652 mg/L	-0.0652 mg/L	17:50:35
1	Ti 337.279†	8281.1	9382.6	0.0124 mg/L	0.0124 mg/L	17:50:25
1	Tl 190.801†	29.2	21.5	0.0058 mg/L	0.0058 mg/L	17:50:35
1	V 292.402†	367.2	1290.2	0.0080 mg/L	0.0080 mg/L	17:50:25
1	Zn 213.857†	3636.6	2550.9	0.0138 mg/L	0.0138 mg/L	17:50:35
2	B 249.677†	62.2	59.1	0.0706 mg/L	0.0706 mg/L	17:50:15
2	Fe 234.349†	187.8	183.8	0.2110 mg/L	0.2110 mg/L	17:50:15
2	K 766.490†	3928.4	3624.3	2.746 mg/L	2.746 mg/L	17:50:05
2	Li 670.784†	38.4	228.0	0.0142 mg/L	0.0142 mg/L	17:50:05
2	Na 589.592†	30731.7	31048.4	8.490 mg/L	8.490 mg/L	17:50:05
2	Sr 407.771†	353431.1	353606.0	0.6048 mg/L	0.6048 mg/L	17:50:03
2	Y 371.029	3124782.0	3124782.0	0.999 mg/L	0.999 mg/L	17:50:41
2	Ag 328.068†	2160.4	123.1	0.0005 mg/L	0.0005 mg/L	17:50:43
2	Al 237.313†	2352.6	2501.7	0.2242 mg/L	0.2242 mg/L	17:50:54
2	As 188.979†	-20.2	-28.1	-0.0200 mg/L	-0.0200 mg/L	17:50:54
2	B 182.528†	37.7	44.4	0.0529 mg/L	0.0529 mg/L	17:50:54
2	Ba 233.527†	11654.1	11730.0	0.1043 mg/L	0.1043 mg/L	17:50:43
2	Be 313.107†	-1095.3	-191.1	0.0000 mg/L	0.0000 mg/L	17:50:43
2	Ca 315.887†	12545717.4	12554252.9	89.29 mg/L	89.29 mg/L	17:50:39
2	Cd 228.802†	88.4	-4.5	-0.0001 mg/L	-0.0001 mg/L	17:50:54
2	Co 228.616†	-18.5	15.9	-0.0042 mg/L	-0.0042 mg/L	17:50:54
2	Cr 267.716†	1039.8	404.7	0.0027 mg/L	0.0027 mg/L	17:50:43
2	Cu 324.752†	7790.3	6028.1	0.0247 mg/L	0.0247 mg/L	17:50:43
2	Fe 238.204†	25882.2	25036.8	0.1504 mg/L	0.1504 mg/L	17:50:43
2	Mg 279.077†	51360.8	51075.8	2.990 mg/L	2.990 mg/L	17:50:43
2	Mn 257.610†	3512.5	2958.6	0.0013 mg/L	0.0013 mg/L	17:50:54
2	Mo 202.031†	303.7	315.7	0.0125 mg/L	0.0125 mg/L	17:50:54
2	Ni 231.604†	156.3	146.7	0.0004 mg/L	0.0004 mg/L	17:50:54
2	P 214.914†	435.1	171.2	0.0850 mg/L	0.0850 mg/L	17:50:54
2	Pb 220.353†	102.6	88.9	0.0026 mg/L	0.0026 mg/L	17:50:54
2	Sb 206.836†	58.0	22.3	0.0110 mg/L	0.0110 mg/L	17:50:54
2	Se 196.026†	-9.8	-7.9	-0.0029 mg/L	-0.0029 mg/L	17:50:54
2	Sn 189.927†	-522.4	-520.2	-0.0697 mg/L	-0.0697 mg/L	17:50:54
2	Ti 337.279†	8036.0	9140.4	0.0121 mg/L	0.0121 mg/L	17:50:43
2	Tl 190.801†	35.6	27.9	0.0094 mg/L	0.0094 mg/L	17:50:54
2	V 292.402†	421.3	1344.5	0.0083 mg/L	0.0083 mg/L	17:50:43
2	Zn 213.857†	3639.2	2554.9	0.0138 mg/L	0.0138 mg/L	17:50:54

Mean Data: 1210127-01 SPLP

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3125372.3	0.999 mg/L	0.0003			0.03%
Ag 328.068†	138.8	0.0006 mg/L	0.00014	0.0006 mg/L	0.00014	22.27%
Al 237.313†	2484.8	0.2226 mg/L	0.00230	0.2226 mg/L	0.00230	1.03%

As	188.979†	-24.4	-0.0171	mg/L	0.00414	-0.0171	mg/L	0.00414	24.21%
B	182.528†	46.0	0.0548	mg/L	0.00268	0.0548	mg/L	0.00268	4.89%
B	249.677†	62.2	0.0742	mg/L	0.00509	0.0742	mg/L	0.00509	6.86%
Ba	233.527†	11767.7	0.1047	mg/L	0.00048	0.1047	mg/L	0.00048	0.46%
Be	313.107†	-183.4	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	40.77%
Ca	315.887†	12573679.4	89.43	mg/L	0.195	89.43	mg/L	0.195	0.22%
Cd	228.802†	-0.8	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	>999.9%
Co	228.616†	0.2	-0.0045	mg/L	0.00039	-0.0045	mg/L	0.00039	8.63%
Cr	267.716†	383.0	0.0026	mg/L	0.00025	0.0026	mg/L	0.00025	9.68%
Cu	324.752†	6066.7	0.0248	mg/L	0.00024	0.0248	mg/L	0.00024	0.97%
Fe	234.349†	183.5	0.2104	mg/L	0.00088	0.2104	mg/L	0.00088	0.42%
Fe	238.204†	25159.5	0.1512	mg/L	0.00111	0.1512	mg/L	0.00111	0.73%
K	766.490†	3522.2	2.670	mg/L	0.1076	2.670	mg/L	0.1076	4.03%
Li	670.784†	171.2	0.0110	mg/L	0.00462	0.0110	mg/L	0.00462	42.15%
Mg	279.077†	51436.6	3.011	mg/L	0.0301	3.011	mg/L	0.0301	1.00%
Mn	257.610†	2984.7	0.0013	mg/L	0.00004	0.0013	mg/L	0.00004	3.27%
Mo	202.031†	304.1	0.0120	mg/L	0.00064	0.0120	mg/L	0.00064	5.30%
Na	589.592†	30895.6	8.448	mg/L	0.0596	8.448	mg/L	0.0596	0.71%
Ni	231.604†	141.6	0.0003	mg/L	0.00015	0.0003	mg/L	0.00015	49.23%
P	214.914†	179.9	0.0885	mg/L	0.00497	0.0885	mg/L	0.00497	5.61%
Pb	220.353†	85.5	0.0024	mg/L	0.00029	0.0024	mg/L	0.00029	12.27%
Sb	206.836†	17.7	0.0084	mg/L	0.00370	0.0084	mg/L	0.00370	43.89%
Se	196.026†	-8.6	-0.0033	mg/L	0.00059	-0.0033	mg/L	0.00059	18.00%
Sn	189.927†	-502.9	-0.0675	mg/L	0.00321	-0.0675	mg/L	0.00321	4.76%
Sr	407.771†	353623.7	0.6048	mg/L	0.00004	0.6048	mg/L	0.00004	0.01%
Ti	337.279†	9261.5	0.0123	mg/L	0.00020	0.0123	mg/L	0.00020	1.67%
Tl	190.801†	24.7	0.0076	mg/L	0.00252	0.0076	mg/L	0.00252	33.18%
V	292.402†	1317.4	0.0081	mg/L	0.00018	0.0081	mg/L	0.00018	2.24%
Zn	213.857†	2552.9	0.0138	mg/L	0.00002	0.0138	mg/L	0.00002	0.13%

Sequence No.: 19
Sample ID: 1210127-02 SPLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 10/11/2012 5:52:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-02 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	83.5	78.3	0.0931	mg/L	0.0931	mg/L	17:54:27
1	Fe 234.349†	1128.9	1096.3	1.728	mg/L	1.728	mg/L	17:54:27
1	K 766.490†	1936.0	1580.2	1.223	mg/L	1.223	mg/L	17:54:17
1	Li 670.784†	-119.2	73.4	0.0053	mg/L	0.0053	mg/L	17:54:17
1	Na 589.592†	29213.8	28772.4	7.862	mg/L	7.862	mg/L	17:54:17
1	Sr 407.771†	9623.9	9273.5	0.0159	mg/L	0.0159	mg/L	17:54:17
1	Y 371.029	3207833.1	3207833.1	1.03	mg/L			17:54:44
1	Ag 328.068†	2243.6	148.2	0.0008	mg/L	0.0008	mg/L	17:54:46
1	Al 237.313†	13577.4	13383.7	1.272	mg/L	1.272	mg/L	17:54:46
1	As 188.979†	8.2	0.1	0.0026	mg/L	0.0026	mg/L	17:54:56
1	B 182.528†	76.1	80.9	0.0949	mg/L	0.0949	mg/L	17:54:56
1	Ba 233.527†	810.5	856.7	0.0062	mg/L	0.0062	mg/L	17:54:56
1	Be 313.107†	-714.8	208.2	0.0002	mg/L	0.0002	mg/L	17:54:46
1	Ca 315.887†	609144.8	592314.4	4.200	mg/L	4.200	mg/L	17:54:44
1	Cd 228.802†	92.7	-2.7	-0.0001	mg/L	-0.0001	mg/L	17:54:56
1	Co 228.616†	-18.3	16.6	-0.0043	mg/L	-0.0043	mg/L	17:54:56
1	Cr 267.716†	792.4	136.6	0.0006	mg/L	0.0006	mg/L	17:54:46
1	Cu 324.752†	5465.1	3559.4	0.0138	mg/L	0.0138	mg/L	17:54:46
1	Fe 238.204†	291367.2	283185.4	1.796	mg/L	1.796	mg/L	17:54:44
1	Mg 279.077†	10817.1	10219.2	0.5763	mg/L	0.5763	mg/L	17:54:46
1	Mn 257.610†	11578.9	10731.6	0.0103	mg/L	0.0103	mg/L	17:54:46
1	Mo 202.031†	148.2	156.2	0.0059	mg/L	0.0059	mg/L	17:54:56
1	Ni 231.604†	57.7	46.6	-0.0017	mg/L	-0.0017	mg/L	17:54:56
1	P 214.914†	428.9	154.0	0.0817	mg/L	0.0817	mg/L	17:54:56
1	Pb 220.353†	322.8	301.0	0.0150	mg/L	0.0150	mg/L	17:54:56
1	Sb 206.836†	39.8	3.1	-0.0005	mg/L	-0.0005	mg/L	17:54:56
1	Se 196.026†	4.6	6.4	0.0069	mg/L	0.0069	mg/L	17:54:56
1	Sn 189.927†	-59.8	-55.7	-0.0045	mg/L	-0.0045	mg/L	17:54:56
1	Ti 337.279†	49039.0	48905.6	0.0597	mg/L	0.0597	mg/L	17:54:46
1	Tl 190.801†	6.3	-1.6	-0.0078	mg/L	-0.0078	mg/L	17:54:56
1	V 292.402†	-473.4	461.4	0.0038	mg/L	0.0038	mg/L	17:54:46
1	Zn 213.857†	2950.1	1788.7	0.0087	mg/L	0.0087	mg/L	17:54:56

2	B 249.677†	81.6	77.4	0.0922 mg/L	0.0922 mg/L	17:54:40
2	Fe 234.349†	1145.0	1126.1	1.775 mg/L	1.775 mg/L	17:54:40
2	K 766.490†	1939.4	1607.2	1.243 mg/L	1.243 mg/L	17:54:30
2	Li 670.784†	-156.5	35.1	0.0031 mg/L	0.0031 mg/L	17:54:30
2	Na 589.592†	29103.8	29021.5	7.931 mg/L	7.931 mg/L	17:54:30
2	Sr 407.771†	9513.5	9282.3	0.0159 mg/L	0.0159 mg/L	17:54:30
2	Y 371.029	3168046.8	3168046.8	1.01 mg/L		17:54:59
2	Ag 328.068†	2261.9	193.8	0.0011 mg/L	0.0011 mg/L	17:55:01
2	Al 237.313†	13861.6	13830.5	1.315 mg/L	1.315 mg/L	17:55:01
2	As 188.979†	7.8	-0.1	0.0025 mg/L	0.0025 mg/L	17:55:11
2	B 182.528†	75.9	81.6	0.0958 mg/L	0.0958 mg/L	17:55:11
2	Ba 233.527†	805.2	861.4	0.0062 mg/L	0.0062 mg/L	17:55:11
2	Be 313.107†	-680.0	233.8	0.0002 mg/L	0.0002 mg/L	17:55:01
2	Ca 315.887†	598957.1	589715.8	4.181 mg/L	4.181 mg/L	17:54:59
2	Cd 228.802†	93.6	-0.6	-0.0001 mg/L	-0.0001 mg/L	17:55:11
2	Co 228.616†	4.7	39.1	-0.0039 mg/L	-0.0039 mg/L	17:55:11
2	Cr 267.716†	775.8	129.9	0.0005 mg/L	0.0005 mg/L	17:55:01
2	Cu 324.752†	5550.1	3710.2	0.0145 mg/L	0.0145 mg/L	17:55:01
2	Fe 238.204†	286760.3	282205.0	1.790 mg/L	1.790 mg/L	17:54:59
2	Mg 279.077†	10916.2	10449.5	0.5899 mg/L	0.5899 mg/L	17:55:01
2	Mn 257.610†	11595.6	10889.8	0.0105 mg/L	0.0105 mg/L	17:55:01
2	Mo 202.031†	157.8	167.5	0.0063 mg/L	0.0063 mg/L	17:55:11
2	Ni 231.604†	71.7	61.1	-0.0014 mg/L	-0.0014 mg/L	17:55:11
2	P 214.914†	412.2	142.7	0.0772 mg/L	0.0772 mg/L	17:55:11
2	Pb 220.353†	309.0	291.3	0.0144 mg/L	0.0144 mg/L	17:55:11
2	Sb 206.836†	48.2	11.9	0.0045 mg/L	0.0045 mg/L	17:55:11
2	Se 196.026†	-4.2	-2.2	0.0014 mg/L	0.0014 mg/L	17:55:11
2	Sn 189.927†	-39.2	-36.1	-0.0018 mg/L	-0.0018 mg/L	17:55:11
2	Ti 337.279†	49671.4	50130.3	0.0612 mg/L	0.0612 mg/L	17:55:01
2	Tl 190.801†	5.1	-2.6	-0.0085 mg/L	-0.0085 mg/L	17:55:11
2	V 292.402†	-555.0	375.0	0.0034 mg/L	0.0034 mg/L	17:55:01
2	Zn 213.857†	2956.8	1831.4	0.0090 mg/L	0.0090 mg/L	17:55:11

Mean Data: 1210127-02 SPLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3187940.0	1.02	mg/L	0.009				0.88%
Ag 328.068†	171.0	0.0009	mg/L	0.00020	0.0009 mg/L		0.00020	21.73%
Al 237.313†	13607.1	1.294	mg/L	0.0304	1.294 mg/L		0.0304	2.35%
As 188.979†	-0.0	0.0026	mg/L	0.00011	0.0026 mg/L		0.00011	4.10%
B 182.528†	81.2	0.0954	mg/L	0.00060	0.0954 mg/L		0.00060	0.63%
B 249.677†	77.9	0.0926	mg/L	0.00069	0.0926 mg/L		0.00069	0.74%
Ba 233.527†	859.0	0.0062	mg/L	0.00003	0.0062 mg/L		0.00003	0.49%
Be 313.107†	221.0	0.0002	mg/L	0.00001	0.0002 mg/L		0.00001	4.81%
Ca 315.887†	591015.1	4.191	mg/L	0.0131	4.191 mg/L		0.0131	0.31%
Cd 228.802†	-1.6	-0.0001	mg/L	0.00004	-0.0001 mg/L		0.00004	40.37%
Co 228.616†	27.8	-0.0041	mg/L	0.00028	-0.0041 mg/L		0.00028	6.67%
Cr 267.716†	133.2	0.0005	mg/L	0.00004	0.0005 mg/L		0.00004	6.94%
Cu 324.752†	3634.8	0.0141	mg/L	0.00047	0.0141 mg/L		0.00047	3.34%
Fe 234.349†	1111.2	1.751	mg/L	0.0332	1.751 mg/L		0.0332	1.90%
Fe 238.204†	282695.2	1.793	mg/L	0.0044	1.793 mg/L		0.0044	0.25%
K 766.490†	1593.7	1.233	mg/L	0.0143	1.233 mg/L		0.0143	1.16%
Li 670.784†	54.2	0.0042	mg/L	0.00156	0.0042 mg/L		0.00156	36.63%
Mg 279.077†	10334.4	0.5831	mg/L	0.00962	0.5831 mg/L		0.00962	1.65%
Mn 257.610†	10810.7	0.0104	mg/L	0.00013	0.0104 mg/L		0.00013	1.25%
Mo 202.031†	161.9	0.0061	mg/L	0.00030	0.0061 mg/L		0.00030	4.94%
Na 589.592†	28896.9	7.896	mg/L	0.0486	7.896 mg/L		0.0486	0.62%
Ni 231.604†	53.9	-0.0016	mg/L	0.00022	-0.0016 mg/L		0.00022	14.00%
P 214.914†	148.3	0.0794	mg/L	0.00317	0.0794 mg/L		0.00317	3.99%
Pb 220.353†	296.1	0.0147	mg/L	0.00042	0.0147 mg/L		0.00042	2.85%
Sb 206.836†	7.5	0.0020	mg/L	0.00350	0.0020 mg/L		0.00350	176.46%
Se 196.026†	2.1	0.0041	mg/L	0.00386	0.0041 mg/L		0.00386	93.62%
Sn 189.927†	-45.9	-0.0031	mg/L	0.00192	-0.0031 mg/L		0.00192	61.46%
Sr 407.771†	9277.9	0.0159	mg/L	0.00001	0.0159 mg/L		0.00001	0.07%
Ti 337.279†	49518.0	0.0604	mg/L	0.00104	0.0604 mg/L		0.00104	1.71%
Tl 190.801†	-2.1	-0.0081	mg/L	0.00044	-0.0081 mg/L		0.00044	5.39%
V 292.402†	418.2	0.0036	mg/L	0.00029	0.0036 mg/L		0.00029	7.83%
Zn 213.857†	1810.1	0.0088	mg/L	0.00020	0.0088 mg/L		0.00020	2.29%

Sequence No.: 20

Sample ID: 1210127-03 SPLP

Autosampler Location: 24

Date Collected: 10/11/2012 5:56:51 PM

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Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-03 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	82.8	77.2	0.0918 mg/L	0.0918 mg/L	17:58:39
1	Fe 234.349†	412.6	396.0	0.6059 mg/L	0.6059 mg/L	17:58:39
1	K 766.490†	1291.9	945.8	0.7498 mg/L	0.7498 mg/L	17:58:29
1	Li 670.784†	-68.7	122.9	0.0082 mg/L	0.0082 mg/L	17:58:29
1	Na 589.592†	35630.9	34850.7	9.539 mg/L	9.539 mg/L	17:58:29
1	Sr 407.771†	60002.7	58088.0	0.0994 mg/L	0.0994 mg/L	17:58:29
1	Y 371.029	3224332.1	3224332.1	1.03 mg/L		17:58:56
1	Ag 328.068†	9340.9	7020.8	0.0433 mg/L	0.0433 mg/L	17:58:58
1	Al 237.313†	14094.0	13817.0	1.314 mg/L	1.314 mg/L	17:58:58
1	As 188.979†	25.6	17.0	0.0154 mg/L	0.0154 mg/L	17:59:08
1	B 182.528†	64.9	69.6	0.0820 mg/L	0.0820 mg/L	17:59:08
1	Ba 233.527†	2739.2	2723.3	0.0230 mg/L	0.0230 mg/L	17:59:08
1	Be 313.107†	-634.9	289.3	0.0002 mg/L	0.0002 mg/L	17:58:58
1	Ca 315.887†	3198186.0	3100395.4	22.04 mg/L	22.04 mg/L	17:58:56
1	Cd 228.802†	144.6	47.2	0.0011 mg/L	0.0011 mg/L	17:59:08
1	Co 228.616†	8.6	42.8	-0.0039 mg/L	-0.0039 mg/L	17:59:08
1	Cr 267.716†	7906.9	7033.0	0.0561 mg/L	0.0561 mg/L	17:58:58
1	Cu 324.752†	30309.8	27629.1	0.1202 mg/L	0.1202 mg/L	17:58:58
1	Fe 238.204†	100607.2	96713.1	0.6074 mg/L	0.6074 mg/L	17:58:58
1	Mg 279.077†	22028.8	21039.5	1.215 mg/L	1.215 mg/L	17:58:58
1	Mn 257.610†	11726.7	10817.2	0.0104 mg/L	0.0104 mg/L	17:58:58
1	Mo 202.031†	199.5	205.2	0.0080 mg/L	0.0080 mg/L	17:59:08
1	Ni 231.604†	962.6	923.9	0.0168 mg/L	0.0168 mg/L	17:59:08
1	P 214.914†	607.6	325.1	0.1464 mg/L	0.1464 mg/L	17:59:08
1	Pb 220.353†	5112.0	4944.4	0.2926 mg/L	0.2926 mg/L	17:59:08
1	Sb 206.836†	65.0	27.4	0.0137 mg/L	0.0137 mg/L	17:59:08
1	Se 196.026†	0.9	2.8	0.0041 mg/L	0.0041 mg/L	17:59:08
1	Sn 189.927†	-198.5	-189.9	-0.0254 mg/L	-0.0254 mg/L	17:59:08
1	Ti 337.279†	54695.8	54147.6	0.0660 mg/L	0.0660 mg/L	17:58:58
1	Tl 190.801†	19.9	11.6	0.0000 mg/L	0.0000 mg/L	17:59:08
1	V 292.402†	835.3	1733.0	0.0102 mg/L	0.0102 mg/L	17:58:58
1	Zn 213.857†	14721.9	13191.6	0.0855 mg/L	0.0855 mg/L	17:59:08
2	B 249.677†	82.4	76.2	0.0907 mg/L	0.0907 mg/L	17:58:52
2	Fe 234.349†	413.6	394.2	0.6030 mg/L	0.6030 mg/L	17:58:52
2	K 766.490†	1272.8	918.8	0.7296 mg/L	0.7296 mg/L	17:58:41
2	Li 670.784†	30.6	219.0	0.0137 mg/L	0.0137 mg/L	17:58:41
2	Na 589.592†	35703.1	34683.9	9.493 mg/L	9.493 mg/L	17:58:41
2	Sr 407.771†	60135.6	57818.2	0.0989 mg/L	0.0989 mg/L	17:58:41
2	Y 371.029	3246526.0	3246526.0	1.04 mg/L		17:59:11
2	Ag 328.068†	9466.0	7079.3	0.0437 mg/L	0.0437 mg/L	17:59:13
2	Al 237.313†	14119.8	13748.4	1.307 mg/L	1.307 mg/L	17:59:13
2	As 188.979†	23.5	14.8	0.0136 mg/L	0.0136 mg/L	17:59:23
2	B 182.528†	58.2	62.7	0.0740 mg/L	0.0740 mg/L	17:59:23
2	Ba 233.527†	2725.7	2692.1	0.0227 mg/L	0.0227 mg/L	17:59:23
2	Be 313.107†	-642.5	286.2	0.0002 mg/L	0.0002 mg/L	17:59:13
2	Ca 315.887†	3232459.7	3112204.9	22.13 mg/L	22.13 mg/L	17:59:11
2	Cd 228.802†	126.2	28.5	0.0006 mg/L	0.0006 mg/L	17:59:23
2	Co 228.616†	22.3	56.0	-0.0037 mg/L	-0.0037 mg/L	17:59:23
2	Cr 267.716†	7980.3	7051.3	0.0563 mg/L	0.0563 mg/L	17:59:13
2	Cu 324.752†	30466.2	27578.8	0.1200 mg/L	0.1200 mg/L	17:59:13
2	Fe 238.204†	101004.5	96428.8	0.6056 mg/L	0.6056 mg/L	17:59:13
2	Mg 279.077†	22154.9	21015.0	1.214 mg/L	1.214 mg/L	17:59:13
2	Mn 257.610†	11793.8	10804.0	0.0104 mg/L	0.0104 mg/L	17:59:13
2	Mo 202.031†	213.6	217.5	0.0085 mg/L	0.0085 mg/L	17:59:23
2	Ni 231.604†	958.5	913.6	0.0166 mg/L	0.0166 mg/L	17:59:23
2	P 214.914†	603.8	317.4	0.1432 mg/L	0.1432 mg/L	17:59:23
2	Pb 220.353†	5104.5	4903.2	0.2902 mg/L	0.2902 mg/L	17:59:23
2	Sb 206.836†	58.5	20.7	0.0100 mg/L	0.0100 mg/L	17:59:23
2	Se 196.026†	6.4	8.1	0.0074 mg/L	0.0074 mg/L	17:59:23
2	Sn 189.927†	-172.9	-163.9	-0.0219 mg/L	-0.0219 mg/L	17:59:23
2	Ti 337.279†	56354.3	55382.4	0.0675 mg/L	0.0675 mg/L	17:59:13
2	Tl 190.801†	18.2	9.8	-0.0009 mg/L	-0.0009 mg/L	17:59:23
2	V 292.402†	988.5	1875.0	0.0109 mg/L	0.0109 mg/L	17:59:13
2	Zn 213.857†	14716.6	13088.8	0.0848 mg/L	0.0848 mg/L	17:59:23

Mean Data: 1210127-03 SPLP

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	3235429.0	1.03	mg/L	0.005				0.49%
Ag 328.068†	7050.0	0.0435	mg/L	0.00026	0.0435	mg/L	0.00026	0.59%
Al 237.313†	13782.7	1.311	mg/L	0.0047	1.311	mg/L	0.0047	0.36%
As 188.979†	15.9	0.0145	mg/L	0.00123	0.0145	mg/L	0.00123	8.46%
B 182.528†	66.2	0.0780	mg/L	0.00564	0.0780	mg/L	0.00564	7.23%
B 249.677†	76.7	0.0913	mg/L	0.00078	0.0913	mg/L	0.00078	0.86%
Ba 233.527†	2707.7	0.0229	mg/L	0.00020	0.0229	mg/L	0.00020	0.87%
Be 313.107†	287.7	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	0.48%
Ca 315.887†	3106300.2	22.08	mg/L	0.059	22.08	mg/L	0.059	0.27%
Cd 228.802†	37.9	0.0009	mg/L	0.00034	0.0009	mg/L	0.00034	38.61%
Co 228.616†	49.4	-0.0038	mg/L	0.00016	-0.0038	mg/L	0.00016	4.26%
Cr 267.716†	7042.1	0.0562	mg/L	0.00010	0.0562	mg/L	0.00010	0.19%
Cu 324.752†	27604.0	0.1201	mg/L	0.00016	0.1201	mg/L	0.00016	0.13%
Fe 234.349†	395.1	0.6044	mg/L	0.00207	0.6044	mg/L	0.00207	0.34%
Fe 238.204†	96571.0	0.6065	mg/L	0.00128	0.6065	mg/L	0.00128	0.21%
K 766.490†	932.3	0.7397	mg/L	0.01425	0.7397	mg/L	0.01425	1.93%
Li 670.784†	171.0	0.0110	mg/L	0.00391	0.0110	mg/L	0.00391	35.65%
Mg 279.077†	21027.2	1.215	mg/L	0.0010	1.215	mg/L	0.0010	0.08%
Mn 257.610†	10810.6	0.0104	mg/L	0.00001	0.0104	mg/L	0.00001	0.10%
Mo 202.031†	211.4	0.0083	mg/L	0.00034	0.0083	mg/L	0.00034	4.08%
Na 589.592†	34767.3	9.516	mg/L	0.0325	9.516	mg/L	0.0325	0.34%
Ni 231.604†	918.8	0.0167	mg/L	0.00015	0.0167	mg/L	0.00015	0.91%
P 214.914†	321.2	0.1448	mg/L	0.00222	0.1448	mg/L	0.00222	1.53%
Pb 220.353†	4923.8	0.2914	mg/L	0.00174	0.2914	mg/L	0.00174	0.60%
Sb 206.836†	24.0	0.0119	mg/L	0.00268	0.0119	mg/L	0.00268	22.57%
Se 196.026†	5.4	0.0057	mg/L	0.00237	0.0057	mg/L	0.00237	41.16%
Sn 189.927†	-176.9	-0.0236	mg/L	0.00241	-0.0236	mg/L	0.00241	10.19%
Sr 407.771†	57953.1	0.0991	mg/L	0.00033	0.0991	mg/L	0.00033	0.33%
Ti 337.279†	54765.0	0.0667	mg/L	0.00104	0.0667	mg/L	0.00104	1.57%
Tl 190.801†	10.7	-0.0004	mg/L	0.00069	-0.0004	mg/L	0.00069	153.64%
V 292.402†	1804.0	0.0106	mg/L	0.00046	0.0106	mg/L	0.00046	4.39%
Zn 213.857†	13140.2	0.0852	mg/L	0.00049	0.0852	mg/L	0.00049	0.58%

Sequence No.: 21

Sample ID: 1210127-04 SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 25

Date Collected: 10/11/2012 6:01:00 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-04 SPLP

Repl#	Analyte	Net		Calib.	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	75.4	71.5	0.0851	mg/L	0.0851	mg/L	18:02:51
1	Fe 234.349†	239.8	233.0	0.3548	mg/L	0.3548	mg/L	18:02:51
1	K 766.490†	852.0	535.8	0.4442	mg/L	0.4442	mg/L	18:02:41
1	Li 670.784†	-90.6	99.9	0.0069	mg/L	0.0069	mg/L	18:02:41
1	Na 589.592†	35877.4	35791.4	9.799	mg/L	9.799	mg/L	18:02:41
1	Sr 407.771†	47702.4	47090.9	0.0805	mg/L	0.0805	mg/L	18:02:41
1	Y 371.029	3160597.2	3160597.2	1.01	mg/L			18:03:08
1	Ag 328.068†	3699.6	1621.6	0.0098	mg/L	0.0098	mg/L	18:03:10
1	Al 237.313†	10969.9	11001.5	1.043	mg/L	1.043	mg/L	18:03:10
1	As 188.979†	31.2	23.0	0.0200	mg/L	0.0200	mg/L	18:03:20
1	B 182.528†	52.9	59.1	0.0698	mg/L	0.0698	mg/L	18:03:20
1	Ba 233.527†	1552.3	1602.5	0.0129	mg/L	0.0129	mg/L	18:03:20
1	Be 313.107†	-645.5	266.4	0.0002	mg/L	0.0002	mg/L	18:03:10
1	Ca 315.887†	2182786.3	2158248.0	15.34	mg/L	15.34	mg/L	18:03:08
1	Cd 228.802†	104.4	10.3	0.0001	mg/L	0.0001	mg/L	18:03:20
1	Co 228.616†	-6.6	27.9	-0.0041	mg/L	-0.0041	mg/L	18:03:20
1	Cr 267.716†	5176.0	4485.5	0.0356	mg/L	0.0356	mg/L	18:03:10
1	Cu 324.752†	10113.4	8238.4	0.0345	mg/L	0.0345	mg/L	18:03:10
1	Fe 238.204†	54585.2	53143.8	0.3296	mg/L	0.3296	mg/L	18:03:10
1	Mg 279.077†	21372.9	20821.4	1.203	mg/L	1.203	mg/L	18:03:10
1	Mn 257.610†	8503.7	7857.5	0.0070	mg/L	0.0070	mg/L	18:03:10
1	Mo 202.031†	156.2	166.4	0.0067	mg/L	0.0067	mg/L	18:03:20
1	Ni 231.604†	215.5	203.5	0.0016	mg/L	0.0016	mg/L	18:03:20
1	P 214.914†	730.1	458.1	0.2012	mg/L	0.2012	mg/L	18:03:20
1	Pb 220.353†	1139.4	1113.6	0.0637	mg/L	0.0637	mg/L	18:03:20

1	Sb 206.836†	49.2	13.0	0.0057 mg/L	0.0057 mg/L	18:03:20
1	Se 196.026†	-1.0	0.9	0.0028 mg/L	0.0028 mg/L	18:03:20
1	Sn 189.927†	-174.2	-169.7	-0.0234 mg/L	-0.0234 mg/L	18:03:20
1	Ti 337.279†	21199.9	22074.4	0.0276 mg/L	0.0276 mg/L	18:03:10
1	Tl 190.801†	14.3	6.5	-0.0026 mg/L	-0.0026 mg/L	18:03:20
1	V 292.402†	1799.8	2703.7	0.0146 mg/L	0.0146 mg/L	18:03:10
1	Zn 213.857†	4358.3	3225.1	0.0183 mg/L	0.0183 mg/L	18:03:20
2	B 249.677†	69.6	65.3	0.0778 mg/L	0.0778 mg/L	18:03:04
2	Fe 234.349†	240.2	231.7	0.3527 mg/L	0.3527 mg/L	18:03:04
2	K 766.490†	905.7	582.4	0.4789 mg/L	0.4789 mg/L	18:02:54
2	Li 670.784†	-24.3	165.7	0.0107 mg/L	0.0107 mg/L	18:02:54
2	Na 589.592†	35767.5	35422.4	9.697 mg/L	9.697 mg/L	18:02:54
2	Sr 407.771†	47450.2	46496.1	0.0795 mg/L	0.0795 mg/L	18:02:54
2	Y 371.029	3184011.6	3184011.6	1.02 mg/L		18:03:22
2	Ag 328.068†	3604.2	1501.0	0.0091 mg/L	0.0091 mg/L	18:03:25
2	Al 237.313†	10991.7	10943.1	1.037 mg/L	1.037 mg/L	18:03:25
2	As 188.979†	32.3	23.9	0.0206 mg/L	0.0206 mg/L	18:03:35
2	B 182.528†	55.9	61.6	0.0727 mg/L	0.0727 mg/L	18:03:35
2	Ba 233.527†	1562.6	1601.3	0.0129 mg/L	0.0129 mg/L	18:03:35
2	Be 313.107†	-636.3	280.1	0.0002 mg/L	0.0002 mg/L	18:03:25
2	Ca 315.887†	2201760.4	2161001.5	15.36 mg/L	15.36 mg/L	18:03:22
2	Cd 228.802†	100.7	5.9	0.0000 mg/L	0.0000 mg/L	18:03:35
2	Co 228.616†	-23.0	11.8	-0.0043 mg/L	-0.0043 mg/L	18:03:35
2	Cr 267.716†	5205.9	4477.2	0.0355 mg/L	0.0355 mg/L	18:03:25
2	Cu 324.752†	10126.1	8177.2	0.0342 mg/L	0.0342 mg/L	18:03:25
2	Fe 238.204†	54699.1	52858.5	0.3278 mg/L	0.3278 mg/L	18:03:25
2	Mg 279.077†	21379.7	20672.6	1.194 mg/L	1.194 mg/L	18:03:25
2	Mn 257.610†	8602.6	7892.7	0.0070 mg/L	0.0070 mg/L	18:03:25
2	Mo 202.031†	152.2	161.2	0.0065 mg/L	0.0065 mg/L	18:03:35
2	Ni 231.604†	222.3	208.7	0.0017 mg/L	0.0017 mg/L	18:03:35
2	P 214.914†	740.4	463.0	0.2032 mg/L	0.2032 mg/L	18:03:35
2	Pb 220.353†	1112.9	1079.3	0.0616 mg/L	0.0616 mg/L	18:03:35
2	Sb 206.836†	42.3	5.8	0.0017 mg/L	0.0017 mg/L	18:03:35
2	Se 196.026†	7.3	9.1	0.0080 mg/L	0.0080 mg/L	18:03:35
2	Sn 189.927†	-159.6	-154.1	-0.0214 mg/L	-0.0214 mg/L	18:03:35
2	Ti 337.279†	21891.4	22599.3	0.0282 mg/L	0.0282 mg/L	18:03:25
2	Tl 190.801†	15.8	7.8	-0.0019 mg/L	-0.0019 mg/L	18:03:35
2	V 292.402†	1951.2	2839.3	0.0152 mg/L	0.0152 mg/L	18:03:25
2	Zn 213.857†	4360.1	3195.1	0.0181 mg/L	0.0181 mg/L	18:03:35

Mean Data: 1210127-04 SPLP

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3172304.4	1.01 mg/L		0.005				0.52%
Ag 328.068†	1561.3	0.0095 mg/L		0.00053	0.0095 mg/L		0.00053	5.60%
Al 237.313†	10972.3	1.040 mg/L		0.0040	1.040 mg/L		0.0040	0.38%
As 188.979†	23.5	0.0203 mg/L		0.00048	0.0203 mg/L		0.00048	2.34%
B 182.528†	60.3	0.0713 mg/L		0.00205	0.0713 mg/L		0.00205	2.88%
B 249.677†	68.4	0.0815 mg/L		0.00515	0.0815 mg/L		0.00515	6.32%
Ba 233.527†	1601.9	0.0129 mg/L		0.00001	0.0129 mg/L		0.00001	0.06%
Be 313.107†	273.2	0.0002 mg/L		0.00000	0.0002 mg/L		0.00000	2.22%
Ca 315.887†	2159624.8	15.35 mg/L		0.014	15.35 mg/L		0.014	0.09%
Cd 228.802†	8.1	0.0001 mg/L		0.00009	0.0001 mg/L		0.00009	110.10%
Co 228.616†	19.9	-0.0042 mg/L		0.00020	-0.0042 mg/L		0.00020	4.75%
Cr 267.716†	4481.4	0.0356 mg/L		0.00005	0.0356 mg/L		0.00005	0.13%
Cu 324.752†	8207.8	0.0343 mg/L		0.00019	0.0343 mg/L		0.00019	0.56%
Fe 234.349†	232.3	0.3538 mg/L		0.00152	0.3538 mg/L		0.00152	0.43%
Fe 238.204†	53001.1	0.3287 mg/L		0.00129	0.3287 mg/L		0.00129	0.39%
K 766.490†	559.1	0.4615 mg/L		0.02455	0.4615 mg/L		0.02455	5.32%
Li 670.784†	132.8	0.0088 mg/L		0.00267	0.0088 mg/L		0.00267	30.52%
Mg 279.077†	20747.0	1.198 mg/L		0.0062	1.198 mg/L		0.0062	0.52%
Mn 257.610†	7875.1	0.0070 mg/L		0.00003	0.0070 mg/L		0.00003	0.42%
Mo 202.031†	163.8	0.0066 mg/L		0.00014	0.0066 mg/L		0.00014	2.13%
Na 589.592†	35606.9	9.748 mg/L		0.0720	9.748 mg/L		0.0720	0.74%
Ni 231.604†	206.1	0.0017 mg/L		0.00008	0.0017 mg/L		0.00008	4.63%
P 214.914†	460.6	0.2022 mg/L		0.00139	0.2022 mg/L		0.00139	0.69%
Pb 220.353†	1096.4	0.0626 mg/L		0.00145	0.0626 mg/L		0.00145	2.32%
Sb 206.836†	9.4	0.0037 mg/L		0.00287	0.0037 mg/L		0.00287	77.19%
Se 196.026†	5.0	0.0054 mg/L		0.00366	0.0054 mg/L		0.00366	68.18%
Sn 189.927†	-161.9	-0.0224 mg/L		0.00145	-0.0224 mg/L		0.00145	6.47%
Sr 407.771†	46793.5	0.0800 mg/L		0.00072	0.0800 mg/L		0.00072	0.90%
Ti 337.279†	22336.8	0.0279 mg/L		0.00044	0.0279 mg/L		0.00044	1.59%

Tl 190.801†	7.1	-0.0022 mg/L	0.00051	-0.0022 mg/L	0.00051	22.95%
V 292.402†	2771.5	0.0149 mg/L	0.00044	0.0149 mg/L	0.00044	2.94%
Zn 213.857†	3210.1	0.0182 mg/L	0.00014	0.0182 mg/L	0.00014	0.79%

Sequence No.: 22
Sample ID: 1210127-05 SPLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 10/11/2012 6:05:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-05 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	77.6	72.3	0.0861 mg/L	0.0861 mg/L	18:07:01
1	Fe 234.349†	1060.2	1026.0	1.609 mg/L	1.609 mg/L	18:07:01
1	K 766.490†	3214.2	2816.1	2.144 mg/L	2.144 mg/L	18:06:51
1	Li 670.784†	-70.4	121.2	0.0081 mg/L	0.0081 mg/L	18:06:51
1	Na 589.592†	10057.8	10065.6	2.699 mg/L	2.699 mg/L	18:06:51
1	Sr 407.771†	102324.0	99323.6	0.1699 mg/L	0.1699 mg/L	18:06:51
1	Y 371.029	3218236.3	3218236.3	1.03 mg/L		18:07:18
1	Ag 328.068†	6292.9	4076.0	0.0252 mg/L	0.0252 mg/L	18:07:20
1	Al 237.313†	9531.6	9409.4	0.8894 mg/L	0.8894 mg/L	18:07:20
1	As 188.979†	42.8	33.7	0.0279 mg/L	0.0279 mg/L	18:07:30
1	B 182.528†	66.2	71.0	0.0836 mg/L	0.0836 mg/L	18:07:30
1	Ba 233.527†	5741.5	5645.8	0.0491 mg/L	0.0491 mg/L	18:07:30
1	Be 313.107†	-663.1	260.7	0.0002 mg/L	0.0002 mg/L	18:07:20
1	Ca 315.887†	1789997.5	1737877.1	12.35 mg/L	12.35 mg/L	18:07:18
1	Cd 228.802†	112.3	16.1	0.0002 mg/L	0.0002 mg/L	18:07:30
1	Co 228.616†	-21.5	13.6	-0.0043 mg/L	-0.0043 mg/L	18:07:30
1	Cr 267.716†	1917.8	1227.6	0.0094 mg/L	0.0094 mg/L	18:07:20
1	Cu 324.752†	24662.8	22197.4	0.0962 mg/L	0.0962 mg/L	18:07:20
1	Fe 238.204†	274445.8	265823.9	1.686 mg/L	1.686 mg/L	18:07:20
1	Mg 279.077†	13663.9	12951.5	0.7377 mg/L	0.7377 mg/L	18:07:20
1	Mn 257.610†	13941.8	12991.2	0.0131 mg/L	0.0131 mg/L	18:07:20
1	Mo 202.031†	119.7	128.1	0.0047 mg/L	0.0047 mg/L	18:07:30
1	Ni 231.604†	315.2	296.6	0.0036 mg/L	0.0036 mg/L	18:07:30
1	P 214.914†	683.7	400.1	0.1805 mg/L	0.1805 mg/L	18:07:30
1	Pb 220.353†	1739.4	1676.5	0.0973 mg/L	0.0973 mg/L	18:07:30
1	Sb 206.836†	46.3	9.2	0.0036 mg/L	0.0036 mg/L	18:07:30
1	Se 196.026†	4.1	5.9	0.0065 mg/L	0.0065 mg/L	18:07:30
1	Sn 189.927†	-111.2	-105.4	-0.0113 mg/L	-0.0113 mg/L	18:07:30
1	Ti 337.279†	26159.6	26518.2	0.0329 mg/L	0.0329 mg/L	18:07:20
1	Tl 190.801†	10.5	2.5	-0.0067 mg/L	-0.0067 mg/L	18:07:30
1	V 292.402†	124134.5	121549.4	0.5591 mg/L	0.5591 mg/L	18:07:20
1	Zn 213.857†	10629.6	9242.0	0.0589 mg/L	0.0589 mg/L	18:07:30
2	B 249.677†	75.1	70.1	0.0835 mg/L	0.0835 mg/L	18:07:14
2	Fe 234.349†	1048.5	1017.7	1.596 mg/L	1.596 mg/L	18:07:14
2	K 766.490†	3102.9	2717.0	2.070 mg/L	2.070 mg/L	18:07:04
2	Li 670.784†	9.6	198.9	0.0126 mg/L	0.0126 mg/L	18:07:04
2	Na 589.592†	9971.3	10010.5	2.684 mg/L	2.684 mg/L	18:07:04
2	Sr 407.771†	100569.4	97909.6	0.1675 mg/L	0.1675 mg/L	18:07:04
2	Y 371.029	3208681.2	3208681.2	1.03 mg/L		18:07:32
2	Ag 328.068†	6292.6	4094.0	0.0254 mg/L	0.0254 mg/L	18:07:35
2	Al 237.313†	9346.4	9256.6	0.8747 mg/L	0.8747 mg/L	18:07:35
2	As 188.979†	41.6	32.7	0.0271 mg/L	0.0271 mg/L	18:07:45
2	B 182.528†	68.0	73.0	0.0858 mg/L	0.0858 mg/L	18:07:45
2	Ba 233.527†	5706.1	5627.9	0.0490 mg/L	0.0490 mg/L	18:07:45
2	Be 313.107†	-717.9	205.4	0.0002 mg/L	0.0002 mg/L	18:07:35
2	Ca 315.887†	1771686.9	1725210.8	12.26 mg/L	12.26 mg/L	18:07:32
2	Cd 228.802†	109.7	13.9	0.0002 mg/L	0.0002 mg/L	18:07:45
2	Co 228.616†	-15.9	19.0	-0.0042 mg/L	-0.0042 mg/L	18:07:45
2	Cr 267.716†	1803.2	1121.5	0.0085 mg/L	0.0085 mg/L	18:07:35
2	Cu 324.752†	24422.0	22034.0	0.0955 mg/L	0.0955 mg/L	18:07:35
2	Fe 238.204†	270478.3	262751.2	1.667 mg/L	1.667 mg/L	18:07:35
2	Mg 279.077†	13373.2	12707.6	0.7233 mg/L	0.7233 mg/L	18:07:35
2	Mn 257.610†	13830.4	12922.9	0.0130 mg/L	0.0130 mg/L	18:07:35
2	Mo 202.031†	114.8	123.6	0.0045 mg/L	0.0045 mg/L	18:07:45
2	Ni 231.604†	306.5	289.1	0.0034 mg/L	0.0034 mg/L	18:07:45
2	P 214.914†	672.1	390.8	0.1767 mg/L	0.1767 mg/L	18:07:45
2	Pb 220.353†	1684.9	1628.3	0.0944 mg/L	0.0944 mg/L	18:07:45
2	Sb 206.836†	44.1	7.3	0.0025 mg/L	0.0025 mg/L	18:07:45

2	Se 196.026†	5.9	7.7	0.0076 mg/L	0.0076 mg/L	18:07:45
2	Sn 189.927†	-108.3	-102.8	-0.0110 mg/L	-0.0110 mg/L	18:07:45
2	Ti 337.279†	26426.4	26854.0	0.0333 mg/L	0.0333 mg/L	18:07:35
2	Tl 190.801†	15.9	7.7	-0.0038 mg/L	-0.0038 mg/L	18:07:45
2	V 292.402†	122515.7	120330.9	0.5535 mg/L	0.5535 mg/L	18:07:35
2	Zn 213.857†	10521.5	9167.3	0.0584 mg/L	0.0584 mg/L	18:07:45

Mean Data: 1210127-05 SPLP

Analyte	Mean Intensity	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3213458.8		1.03 mg/L	0.002			0.21%
Ag 328.068†	4085.0		0.0253 mg/L	0.00008	0.0253 mg/L	0.00008	0.31%
Al 237.313†	9333.0		0.8820 mg/L	0.01041	0.8820 mg/L	0.01041	1.18%
As 188.979†	33.2		0.0275 mg/L	0.00055	0.0275 mg/L	0.00055	2.00%
B 182.528†	72.0		0.0847 mg/L	0.00159	0.0847 mg/L	0.00159	1.88%
B 249.677†	71.2		0.0848 mg/L	0.00185	0.0848 mg/L	0.00185	2.18%
Ba 233.527†	5636.8		0.0490 mg/L	0.00011	0.0490 mg/L	0.00011	0.23%
Be 313.107†	233.1		0.0002 mg/L	0.00002	0.0002 mg/L	0.00002	10.03%
Ca 315.887†	1731544.0		12.31 mg/L	0.064	12.31 mg/L	0.064	0.52%
Cd 228.802†	15.0		0.0002 mg/L	0.00004	0.0002 mg/L	0.00004	19.38%
Co 228.616†	16.3	-0.0043	mg/L	0.00007	-0.0043 mg/L	0.00007	1.53%
Cr 267.716†	1174.6		0.0089 mg/L	0.00060	0.0089 mg/L	0.00060	6.78%
Cu 324.752†	22115.7		0.0958 mg/L	0.00051	0.0958 mg/L	0.00051	0.53%
Fe 234.349†	1021.8		1.603 mg/L	0.0092	1.603 mg/L	0.0092	0.58%
Fe 238.204†	264287.6		1.676 mg/L	0.0139	1.676 mg/L	0.0139	0.83%
K 766.490†	2766.5		2.107 mg/L	0.0522	2.107 mg/L	0.0522	2.48%
Li 670.784†	160.0		0.0103 mg/L	0.00316	0.0103 mg/L	0.00316	30.57%
Mg 279.077†	12829.5		0.7305 mg/L	0.01018	0.7305 mg/L	0.01018	1.39%
Mn 257.610†	12957.0		0.0130 mg/L	0.00006	0.0130 mg/L	0.00006	0.44%
Mo 202.031†	125.9		0.0046 mg/L	0.00012	0.0046 mg/L	0.00012	2.60%
Na 589.592†	10038.0		2.692 mg/L	0.0108	2.692 mg/L	0.0108	0.40%
Ni 231.604†	292.9		0.0035 mg/L	0.00011	0.0035 mg/L	0.00011	3.24%
P 214.914†	395.5		0.1786 mg/L	0.00268	0.1786 mg/L	0.00268	1.50%
Pb 220.353†	1652.4		0.0958 mg/L	0.00203	0.0958 mg/L	0.00203	2.12%
Sb 206.836†	8.3		0.0030 mg/L	0.00077	0.0030 mg/L	0.00077	25.43%
Se 196.026†	6.8		0.0070 mg/L	0.00080	0.0070 mg/L	0.00080	11.34%
Sn 189.927†	-104.1	-0.0112	mg/L	0.00021	-0.0112 mg/L	0.00021	1.88%
Sr 407.771†	98616.6		0.1687 mg/L	0.00171	0.1687 mg/L	0.00171	1.01%
Ti 337.279†	26686.1		0.0331 mg/L	0.00028	0.0331 mg/L	0.00028	0.86%
Tl 190.801†	5.1	-0.0052	mg/L	0.00207	-0.0052 mg/L	0.00207	39.49%
V 292.402†	120940.1		0.5563 mg/L	0.00395	0.5563 mg/L	0.00395	0.71%
Zn 213.857†	9204.7		0.0587 mg/L	0.00036	0.0587 mg/L	0.00036	0.61%

Sequence No.: 23

Autosampler Location: 27

Sample ID: 1210127-06 SPLP

Date Collected: 10/11/2012 6:09:22 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210127-06 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	97.2	91.2	0.1084 mg/L	0.1084 mg/L	18:11:11
1	Fe 234.349†	1227.4	1187.8	1.859 mg/L	1.859 mg/L	18:11:11
1	K 766.490†	3018.1	2624.0	2.000 mg/L	2.000 mg/L	18:11:01
1	Li 670.784†	-91.6	100.6	0.0069 mg/L	0.0069 mg/L	18:11:01
1	Na 589.592†	38091.9	37287.4	10.21 mg/L	10.21 mg/L	18:11:01
1	Sr 407.771†	44011.4	42635.6	0.0729 mg/L	0.0729 mg/L	18:11:01
1	Y 371.029	3219985.1	3219985.1	1.03 mg/L		18:11:27
1	Ag 328.068†	10365.7	8028.2	0.0497 mg/L	0.0497 mg/L	18:11:29
1	Al 237.313†	38091.7	37142.4	3.560 mg/L	3.560 mg/L	18:11:29
1	As 188.979†	12.9	4.7	0.0062 mg/L	0.0062 mg/L	18:11:39
1	B 182.528†	80.5	84.9	0.0996 mg/L	0.0996 mg/L	18:11:39
1	Ba 233.527†	3228.5	3202.1	0.0273 mg/L	0.0273 mg/L	18:11:39
1	Be 313.107†	-597.2	325.0	0.0002 mg/L	0.0002 mg/L	18:11:29
1	Ca 315.887†	2693326.5	2614257.0	18.58 mg/L	18.58 mg/L	18:11:27
1	Cd 228.802†	103.9	7.9	0.0001 mg/L	0.0001 mg/L	18:11:39
1	Co 228.616†	34.1	67.6	-0.0036 mg/L	-0.0036 mg/L	18:11:39
1	Cr 267.716†	1500.9	821.7	0.0061 mg/L	0.0061 mg/L	18:11:29
1	Cu 324.752†	53654.8	50341.8	0.2207 mg/L	0.2207 mg/L	18:11:29

1	Fe 238.204†	299452.9	289966.3	1.839	mg/L	1.839	mg/L	18:11:29
1	Mg 279.077†	20343.5	19431.6	1.121	mg/L	1.121	mg/L	18:11:29
1	Mn 257.610†	32916.8	31412.6	0.0343	mg/L	0.0343	mg/L	18:11:29
1	Mo 202.031†	299.0	302.2	0.0113	mg/L	0.0113	mg/L	18:11:39
1	Ni 231.604†	1093.2	1052.1	0.0196	mg/L	0.0196	mg/L	18:11:39
1	P 214.914†	960.0	668.2	0.2863	mg/L	0.2863	mg/L	18:11:39
1	Pb 220.353†	5770.9	5591.0	0.3306	mg/L	0.3306	mg/L	18:11:39
1	Sb 206.836†	53.1	15.8	0.0067	mg/L	0.0067	mg/L	18:11:39
1	Se 196.026†	0.4	2.3	0.0043	mg/L	0.0043	mg/L	18:11:39
1	Sn 189.927†	-111.6	-105.7	-0.0106	mg/L	-0.0106	mg/L	18:11:39
1	Ti 337.279†	123151.1	120703.8	0.1456	mg/L	0.1456	mg/L	18:11:29
1	Tl 190.801†	13.7	5.6	-0.0042	mg/L	-0.0042	mg/L	18:11:39
1	V 292.402†	6250.1	6993.0	0.0338	mg/L	0.0338	mg/L	18:11:29
1	Zn 213.857†	19572.2	17921.5	0.1173	mg/L	0.1173	mg/L	18:11:29
2	B 249.677†	96.2	94.2	0.1119	mg/L	0.1119	mg/L	18:11:23
2	Fe 234.349†	1212.5	1223.1	1.914	mg/L	1.914	mg/L	18:11:23
2	K 766.490†	3150.3	2881.5	2.192	mg/L	2.192	mg/L	18:11:13
2	Li 670.784†	-122.9	65.1	0.0049	mg/L	0.0049	mg/L	18:11:13
2	Na 589.592†	39349.9	40122.3	10.99	mg/L	10.99	mg/L	18:11:13
2	Sr 407.771†	45592.5	46040.1	0.0787	mg/L	0.0787	mg/L	18:11:13
2	Y 371.029	3089583.8	3089583.8	0.988	mg/L			18:11:42
2	Ag 328.068†	10358.2	8445.6	0.0523	mg/L	0.0523	mg/L	18:11:44
2	Al 237.313†	38577.4	39195.4	3.757	mg/L	3.757	mg/L	18:11:44
2	As 188.979†	9.3	1.6	0.0038	mg/L	0.0038	mg/L	18:11:54
2	B 182.528†	77.1	84.7	0.0994	mg/L	0.0994	mg/L	18:11:54
2	Ba 233.527†	3256.5	3362.7	0.0288	mg/L	0.0288	mg/L	18:11:54
2	Be 313.107†	-664.0	233.0	0.0002	mg/L	0.0002	mg/L	18:11:44
2	Ca 315.887†	2702592.2	2734040.0	19.44	mg/L	19.44	mg/L	18:11:42
2	Cd 228.802†	121.5	30.0	0.0007	mg/L	0.0007	mg/L	18:11:54
2	Co 228.616†	18.1	52.8	-0.0039	mg/L	-0.0039	mg/L	18:11:54
2	Cr 267.716†	1461.9	843.8	0.0063	mg/L	0.0063	mg/L	18:11:44
2	Cu 324.752†	54239.7	53133.2	0.2330	mg/L	0.2330	mg/L	18:11:44
2	Fe 238.204†	303187.8	306021.9	1.942	mg/L	1.942	mg/L	18:11:44
2	Mg 279.077†	20664.6	20590.5	1.189	mg/L	1.189	mg/L	18:11:44
2	Mn 257.610†	33359.0	33209.5	0.0364	mg/L	0.0364	mg/L	18:11:44
2	Mo 202.031†	312.3	327.9	0.0123	mg/L	0.0123	mg/L	18:11:54
2	Ni 231.604†	1125.7	1129.7	0.0212	mg/L	0.0212	mg/L	18:11:54
2	P 214.914†	947.3	694.7	0.2969	mg/L	0.2969	mg/L	18:11:54
2	Pb 220.353†	5801.3	5858.4	0.3465	mg/L	0.3465	mg/L	18:11:54
2	Sb 206.836†	37.3	2.1	-0.0011	mg/L	-0.0011	mg/L	18:11:54
2	Se 196.026†	-4.7	-2.8	0.0011	mg/L	0.0011	mg/L	18:11:54
2	Sn 189.927†	-92.3	-90.8	-0.0085	mg/L	-0.0085	mg/L	18:11:54
2	Ti 337.279†	125642.2	128273.5	0.1547	mg/L	0.1547	mg/L	18:11:44
2	Tl 190.801†	14.6	7.1	-0.0034	mg/L	-0.0034	mg/L	18:11:54
2	V 292.402†	6452.5	7454.1	0.0359	mg/L	0.0359	mg/L	18:11:44
2	Zn 213.857†	19913.5	19069.2	0.1250	mg/L	0.1250	mg/L	18:11:44

Mean Data: 1210127-06 SPLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3154784.4	1.01	mg/L	0.029				2.92%
Ag 328.068†	8236.9	0.0510	mg/L	0.00183	0.0510	mg/L	0.00183	3.60%
Al 237.313†	38168.9	3.659	mg/L	0.1398	3.659	mg/L	0.1398	3.82%
As 188.979†	3.1	0.0050	mg/L	0.00170	0.0050	mg/L	0.00170	34.00%
B 182.528†	84.8	0.0995	mg/L	0.00012	0.0995	mg/L	0.00012	0.12%
B 249.677†	92.7	0.1101	mg/L	0.00247	0.1101	mg/L	0.00247	2.24%
Ba 233.527†	3282.4	0.0281	mg/L	0.00103	0.0281	mg/L	0.00103	3.65%
Be 313.107†	279.0	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	14.90%
Ca 315.887†	2674148.5	19.01	mg/L	0.603	19.01	mg/L	0.603	3.17%
Cd 228.802†	18.9	0.0004	mg/L	0.00042	0.0004	mg/L	0.00042	97.33%
Co 228.616†	60.2	-0.0037	mg/L	0.00019	-0.0037	mg/L	0.00019	5.19%
Cr 267.716†	832.8	0.0062	mg/L	0.00013	0.0062	mg/L	0.00013	2.04%
Cu 324.752†	51737.5	0.2269	mg/L	0.00873	0.2269	mg/L	0.00873	3.85%
Fe 234.349†	1205.4	1.886	mg/L	0.0388	1.886	mg/L	0.0388	2.06%
Fe 238.204†	297994.1	1.891	mg/L	0.0724	1.891	mg/L	0.0724	3.83%
K 766.490†	2752.7	2.096	mg/L	0.1357	2.096	mg/L	0.1357	6.47%
Li 670.784†	82.8	0.0059	mg/L	0.00144	0.0059	mg/L	0.00144	24.45%
Mg 279.077†	20011.0	1.155	mg/L	0.0484	1.155	mg/L	0.0484	4.19%
Mn 257.610†	32311.0	0.0354	mg/L	0.00148	0.0354	mg/L	0.00148	4.17%
Mo 202.031†	315.0	0.0118	mg/L	0.00069	0.0118	mg/L	0.00069	5.82%
Na 589.592†	38704.8	10.60	mg/L	0.553	10.60	mg/L	0.553	5.22%
Ni 231.604†	1090.9	0.0204	mg/L	0.00116	0.0204	mg/L	0.00116	5.70%

P 214.914†	681.4	0.2916 mg/L	0.00751	0.2916 mg/L	0.00751	2.58%
Pb 220.353†	5724.7	0.3385 mg/L	0.01126	0.3385 mg/L	0.01126	3.33%
Sb 206.836†	8.9	0.0028 mg/L	0.00552	0.0028 mg/L	0.00552	197.85%
Se 196.026†	-0.3	0.0027 mg/L	0.00228	0.0027 mg/L	0.00228	84.81%
Sn 189.927†	-98.3	-0.0096 mg/L	0.00150	-0.0096 mg/L	0.00150	15.69%
Sr 407.771†	44337.8	0.0758 mg/L	0.00412	0.0758 mg/L	0.00412	5.43%
Ti 337.279†	124488.7	0.1502 mg/L	0.00641	0.1502 mg/L	0.00641	4.27%
Tl 190.801†	6.3	-0.0038 mg/L	0.00057	-0.0038 mg/L	0.00057	15.09%
V 292.402†	7223.6	0.0348 mg/L	0.00149	0.0348 mg/L	0.00149	4.27%
Zn 213.857†	18495.4	0.1212 mg/L	0.00547	0.1212 mg/L	0.00547	4.51%

Sequence No.: 24 Autosampler Location: 28
Sample ID: 1210127-07 SPLP Date Collected: 10/11/2012 6:13:32 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: 1210127-07 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	110.0	103.0	0.1222 mg/L	0.1222 mg/L	18:15:51
1	Fe 234.349†	1230.9	1183.4	1.850 mg/L	1.850 mg/L	18:15:51
1	K 766.490†	1735.0	1366.7	1.063 mg/L	1.063 mg/L	18:15:41
1	Li 670.784†	-131.0	63.2	0.0048 mg/L	0.0048 mg/L	18:15:41
1	Na 589.592†	40980.4	39829.8	10.91 mg/L	10.91 mg/L	18:15:41
1	Sr 407.771†	47770.2	45979.6	0.0786 mg/L	0.0786 mg/L	18:15:41
1	Y 371.029	3241405.6	3241405.6	1.04 mg/L		18:16:07
1	Ag 328.068†	24217.0	21325.4	0.1322 mg/L	0.1322 mg/L	18:16:10
1	Al 237.313†	27111.1	26303.9	2.517 mg/L	2.517 mg/L	18:16:10
1	As 188.979†	16.8	8.4	0.0091 mg/L	0.0091 mg/L	18:16:20
1	B 182.528†	90.8	94.3	0.1104 mg/L	0.1104 mg/L	18:16:20
1	Ba 233.527†	4568.8	4474.5	0.0388 mg/L	0.0388 mg/L	18:16:20
1	Be 313.107†	-809.9	123.7	0.0001 mg/L	0.0001 mg/L	18:16:10
1	Ca 315.887†	2978705.0	2872302.5	20.42 mg/L	20.42 mg/L	18:16:07
1	Cd 228.802†	135.9	38.1	0.0009 mg/L	0.0009 mg/L	18:16:20
1	Co 228.616†	-14.1	20.9	-0.0043 mg/L	-0.0043 mg/L	18:16:20
1	Cr 267.716†	8862.8	7914.9	0.0632 mg/L	0.0632 mg/L	18:16:10
1	Cu 324.752†	70933.9	66668.2	0.2928 mg/L	0.2928 mg/L	18:16:10
1	Fe 238.204†	300791.7	289336.0	1.835 mg/L	1.835 mg/L	18:16:10
1	Mg 279.077†	21071.4	20003.3	1.155 mg/L	1.155 mg/L	18:16:10
1	Mn 257.610†	73592.2	70444.7	0.0796 mg/L	0.0796 mg/L	18:16:10
1	Mo 202.031†	141.7	148.5	0.0053 mg/L	0.0053 mg/L	18:16:20
1	Ni 231.604†	1778.3	1706.0	0.0334 mg/L	0.0334 mg/L	18:16:20
1	P 214.914†	914.5	618.1	0.2648 mg/L	0.2648 mg/L	18:16:20
1	Pb 220.353†	8892.8	8565.9	0.5087 mg/L	0.5087 mg/L	18:16:20
1	Sb 206.836†	48.1	10.7	0.0038 mg/L	0.0038 mg/L	18:16:20
1	Se 196.026†	-7.5	-5.3	-0.0005 mg/L	-0.0005 mg/L	18:16:20
1	Sn 189.927†	-115.0	-108.3	-0.0110 mg/L	-0.0110 mg/L	18:16:20
1	Ti 337.279†	88827.7	86798.4	0.1051 mg/L	0.1051 mg/L	18:16:10
1	Tl 190.801†	18.7	10.3	-0.0015 mg/L	-0.0015 mg/L	18:16:20
1	V 292.402†	11966.2	12467.8	0.0592 mg/L	0.0592 mg/L	18:16:10
1	Zn 213.857†	32468.1	30237.8	0.2004 mg/L	0.2004 mg/L	18:16:10
2	B 249.677†	105.1	98.7	0.1171 mg/L	0.1171 mg/L	18:16:03
2	Fe 234.349†	1228.2	1184.8	1.852 mg/L	1.852 mg/L	18:16:03
2	K 766.490†	1733.7	1371.2	1.067 mg/L	1.067 mg/L	18:15:53
2	Li 670.784†	-39.1	151.7	0.0098 mg/L	0.0098 mg/L	18:15:53
2	Na 589.592†	41170.8	40150.2	11.00 mg/L	11.00 mg/L	18:15:53
2	Sr 407.771†	48012.4	46372.8	0.0793 mg/L	0.0793 mg/L	18:15:53
2	Y 371.029	3230285.6	3230285.6	1.03 mg/L		18:16:22
2	Ag 328.068†	24327.2	21512.5	0.1333 mg/L	0.1333 mg/L	18:16:24
2	Al 237.313†	27239.6	26518.3	2.537 mg/L	2.537 mg/L	18:16:24
2	As 188.979†	6.3	-1.7	0.0012 mg/L	0.0012 mg/L	18:16:35
2	B 182.528†	95.4	99.1	0.1159 mg/L	0.1159 mg/L	18:16:35
2	Ba 233.527†	4548.3	4469.8	0.0388 mg/L	0.0388 mg/L	18:16:35
2	Be 313.107†	-787.4	142.8	0.0002 mg/L	0.0002 mg/L	18:16:24
2	Ca 315.887†	2959843.5	2863935.3	20.36 mg/L	20.36 mg/L	18:16:22
2	Cd 228.802†	139.2	41.8	0.0011 mg/L	0.0011 mg/L	18:16:35
2	Co 228.616†	14.2	48.2	-0.0039 mg/L	-0.0039 mg/L	18:16:35
2	Cr 267.716†	8866.4	7947.8	0.0635 mg/L	0.0635 mg/L	18:16:24
2	Cu 324.752†	71302.9	67261.0	0.2955 mg/L	0.2955 mg/L	18:16:24
2	Fe 238.204†	302388.7	291881.2	1.852 mg/L	1.852 mg/L	18:16:24

2	Mg 279.077†	21079.1	20080.7	1.159 mg/L	1.159 mg/L	18:16:24
2	Mn 257.610†	74162.6	71241.3	0.0806 mg/L	0.0806 mg/L	18:16:24
2	Mo 202.031†	125.5	133.2	0.0047 mg/L	0.0047 mg/L	18:16:35
2	Ni 231.604†	1759.8	1694.0	0.0331 mg/L	0.0331 mg/L	18:16:35
2	P 214.914†	940.5	646.3	0.2762 mg/L	0.2762 mg/L	18:16:35
2	Pb 220.353†	8843.9	8548.1	0.5076 mg/L	0.5076 mg/L	18:16:35
2	Sb 206.836†	46.5	9.3	0.0030 mg/L	0.0030 mg/L	18:16:35
2	Se 196.026†	-2.8	-0.8	0.0023 mg/L	0.0023 mg/L	18:16:35
2	Sn 189.927†	-101.4	-95.5	-0.0093 mg/L	-0.0093 mg/L	18:16:35
2	Ti 337.279†	87503.8	85811.7	0.1039 mg/L	0.1039 mg/L	18:16:24
2	Tl 190.801†	7.5	-0.4	-0.0075 mg/L	-0.0075 mg/L	18:16:35
2	V 292.402†	12085.7	12623.2	0.0599 mg/L	0.0599 mg/L	18:16:24
2	Zn 213.857†	32630.2	30502.6	0.2022 mg/L	0.2022 mg/L	18:16:24

Mean Data: 1210127-07 SPLP

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3235845.6	1.03 mg/L		0.003				0.24%
Ag 328.068†	21419.0	0.1328 mg/L		0.00082	0.1328 mg/L		0.00082	0.62%
Al 237.313†	26411.1	2.527 mg/L		0.0146	2.527 mg/L		0.0146	0.58%
As 188.979†	3.3	0.0051 mg/L		0.00559	0.0051 mg/L		0.00559	109.48%
B 182.528†	96.7	0.1132 mg/L		0.00388	0.1132 mg/L		0.00388	3.43%
B 249.677†	100.8	0.1196 mg/L		0.00362	0.1196 mg/L		0.00362	3.03%
Ba 233.527†	4472.1	0.0388 mg/L		0.00003	0.0388 mg/L		0.00003	0.08%
Be 313.107†	133.2	0.0001 mg/L		0.00001	0.0001 mg/L		0.00001	4.48%
Ca 315.887†	2868118.9	20.39 mg/L		0.042	20.39 mg/L		0.042	0.21%
Cd 228.802†	39.9	0.0010 mg/L		0.00009	0.0010 mg/L		0.00009	9.56%
Co 228.616†	34.6	-0.0041 mg/L		0.00034	-0.0041 mg/L		0.00034	8.26%
Cr 267.716†	7931.3	0.0634 mg/L		0.00019	0.0634 mg/L		0.00019	0.30%
Cu 324.752†	66964.6	0.2942 mg/L		0.00185	0.2942 mg/L		0.00185	0.63%
Fe 234.349†	1184.1	1.851 mg/L		0.0016	1.851 mg/L		0.0016	0.09%
Fe 238.204†	290608.6	1.844 mg/L		0.0115	1.844 mg/L		0.0115	0.62%
K 766.490†	1368.9	1.065 mg/L		0.0024	1.065 mg/L		0.0024	0.22%
Li 670.784†	107.4	0.0073 mg/L		0.00360	0.0073 mg/L		0.00360	49.27%
Mg 279.077†	20042.0	1.157 mg/L		0.0032	1.157 mg/L		0.0032	0.28%
Mn 257.610†	70843.0	0.0801 mg/L		0.00065	0.0801 mg/L		0.00065	0.82%
Mo 202.031†	140.8	0.0050 mg/L		0.00042	0.0050 mg/L		0.00042	8.35%
Na 589.592†	39990.0	10.96 mg/L		0.063	10.96 mg/L		0.063	0.57%
Ni 231.604†	1700.0	0.0333 mg/L		0.00018	0.0333 mg/L		0.00018	0.54%
P 214.914†	632.2	0.2705 mg/L		0.00805	0.2705 mg/L		0.00805	2.98%
Pb 220.353†	8557.0	0.5082 mg/L		0.00076	0.5082 mg/L		0.00076	0.15%
Sb 206.836†	10.0	0.0034 mg/L		0.00055	0.0034 mg/L		0.00055	16.05%
Se 196.026†	-3.0	0.0009 mg/L		0.00200	0.0009 mg/L		0.00200	218.62%
Sn 189.927†	-101.9	-0.0101 mg/L		0.00119	-0.0101 mg/L		0.00119	11.76%
Sr 407.771†	46176.2	0.0790 mg/L		0.00048	0.0790 mg/L		0.00048	0.60%
Ti 337.279†	86305.1	0.1045 mg/L		0.00083	0.1045 mg/L		0.00083	0.80%
Tl 190.801†	4.9	-0.0045 mg/L		0.00420	-0.0045 mg/L		0.00420	93.30%
V 292.402†	12545.5	0.0596 mg/L		0.00050	0.0596 mg/L		0.00050	0.84%
Zn 213.857†	30370.2	0.2013 mg/L		0.00126	0.2013 mg/L		0.00126	0.63%

Sequence No.: 25

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/11/2012 6:18:12 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	451.1	437.9	0.5145 mg/L	0.5145 mg/L	18:20:03
1	Fe 234.349†	1692.1	1650.0	2.593 mg/L	2.593 mg/L	18:20:03
1	K 766.490†	35253.9	34158.2	25.50 mg/L	25.50 mg/L	18:19:53
1	Li 670.784†	8759.3	8753.0	0.5042 mg/L	0.5042 mg/L	18:20:03
1	Na 589.592†	94941.3	93110.2	25.62 mg/L	25.62 mg/L	18:19:53
1	Sr 407.771†	30934.4	30133.7	0.0515 mg/L	0.0515 mg/L	18:19:53
1	Y 371.029	3198829.2	3198829.2	1.02 mg/L		18:20:21
1	Ag 328.068†	43717.3	40700.6	0.2525 mg/L	0.2525 mg/L	18:20:21
1	Al 237.313†	27333.5	26869.5	2.576 mg/L	2.576 mg/L	18:20:32
1	As 188.979†	688.5	665.2	0.5218 mg/L	0.5218 mg/L	18:20:32
1	B 182.528†	444.9	441.6	0.5106 mg/L	0.5106 mg/L	18:20:32

1	Ba	233.527†	58086.5	56854.0	0.5115	mg/L	0.5115	mg/L	18:20:21
1	Be	313.107†	106210.9	104740.6	0.0506	mg/L	0.0506	mg/L	18:20:21
1	Ca	315.887†	731377.2	713484.8	5.065	mg/L	5.065	mg/L	18:20:21
1	Cd	228.802†	9812.5	9500.1	0.2494	mg/L	0.2494	mg/L	18:20:32
1	Co	228.616†	30617.3	29967.0	0.5172	mg/L	0.5172	mg/L	18:20:32
1	Cr	267.716†	65228.7	63134.0	0.5087	mg/L	0.5087	mg/L	18:20:21
1	Cu	324.752†	119109.2	114677.0	0.5054	mg/L	0.5054	mg/L	18:20:21
1	Fe	238.204†	411142.2	401081.3	2.548	mg/L	2.548	mg/L	18:20:21
1	Mg	279.077†	89158.4	86838.2	5.104	mg/L	5.104	mg/L	18:20:21
1	Mn	257.610†	447204.2	436646.2	0.5048	mg/L	0.5048	mg/L	18:20:21
1	Mo	202.031†	13365.4	13078.3	0.5055	mg/L	0.5055	mg/L	18:20:32
1	Ni	231.604†	24983.1	24414.6	0.5144	mg/L	0.5144	mg/L	18:20:21
1	P	214.914†	13150.5	12592.2	5.108	mg/L	5.108	mg/L	18:20:32
1	Pb	220.353†	8865.2	8653.2	0.5133	mg/L	0.5133	mg/L	18:20:32
1	Sb	206.836†	959.1	901.9	0.5078	mg/L	0.5078	mg/L	18:20:32
1	Se	196.026†	1668.4	1633.1	1.038	mg/L	1.038	mg/L	18:20:32
1	Sn	189.927†	3989.6	3903.0	0.5183	mg/L	0.5183	mg/L	18:20:32
1	Ti	337.279†	428264.8	419784.9	0.5035	mg/L	0.5035	mg/L	18:20:21
1	Tl	190.801†	966.9	937.5	0.5073	mg/L	0.5073	mg/L	18:20:32
1	V	292.402†	110943.9	109385.6	0.5094	mg/L	0.5094	mg/L	18:20:21
1	Zn	213.857†	78261.4	75423.9	0.5030	mg/L	0.5030	mg/L	18:20:21
2	B	249.677†	455.4	441.1	0.5184	mg/L	0.5184	mg/L	18:20:16
2	Fe	234.349†	1701.3	1655.6	2.602	mg/L	2.602	mg/L	18:20:16
2	K	766.490†	34921.7	33761.9	25.21	mg/L	25.21	mg/L	18:20:06
2	Li	670.784†	8846.3	8819.9	0.5080	mg/L	0.5080	mg/L	18:20:16
2	Na	589.592†	94469.8	92455.5	25.44	mg/L	25.44	mg/L	18:20:06
2	Sr	407.771†	30812.6	29951.5	0.0512	mg/L	0.0512	mg/L	18:20:06
2	Y	371.029	3205550.6	3205550.6	1.03	mg/L			18:20:35
2	Ag	328.068†	43794.1	40685.9	0.2524	mg/L	0.2524	mg/L	18:20:35
2	Al	237.313†	27268.2	26749.7	2.564	mg/L	2.564	mg/L	18:20:45
2	As	188.979†	677.1	652.7	0.5120	mg/L	0.5120	mg/L	18:20:45
2	B	182.528†	443.5	439.3	0.5080	mg/L	0.5080	mg/L	18:20:45
2	Ba	233.527†	58044.7	56694.2	0.5101	mg/L	0.5101	mg/L	18:20:35
2	Be	313.107†	106431.8	104738.4	0.0506	mg/L	0.0506	mg/L	18:20:35
2	Ca	315.887†	731888.3	712484.1	5.058	mg/L	5.058	mg/L	18:20:35
2	Cd	228.802†	9771.7	9440.1	0.2479	mg/L	0.2479	mg/L	18:20:45
2	Co	228.616†	30460.5	29751.3	0.5134	mg/L	0.5134	mg/L	18:20:45
2	Cr	267.716†	65411.6	63178.7	0.5090	mg/L	0.5090	mg/L	18:20:35
2	Cu	324.752†	119297.6	114616.6	0.5051	mg/L	0.5051	mg/L	18:20:35
2	Fe	238.204†	411201.8	400296.6	2.543	mg/L	2.543	mg/L	18:20:35
2	Mg	279.077†	89417.4	86908.1	5.108	mg/L	5.108	mg/L	18:20:35
2	Mn	257.610†	447376.3	435897.4	0.5039	mg/L	0.5039	mg/L	18:20:35
2	Mo	202.031†	13308.8	12995.6	0.5023	mg/L	0.5023	mg/L	18:20:45
2	Ni	231.604†	25013.8	24393.4	0.5140	mg/L	0.5140	mg/L	18:20:35
2	P	214.914†	13084.8	12501.1	5.071	mg/L	5.071	mg/L	18:20:45
2	Pb	220.353†	8790.9	8562.5	0.5079	mg/L	0.5079	mg/L	18:20:45
2	Sb	206.836†	956.1	897.1	0.5051	mg/L	0.5051	mg/L	18:20:45
2	Se	196.026†	1654.3	1615.9	1.027	mg/L	1.027	mg/L	18:20:45
2	Sn	189.927†	3993.7	3898.8	0.5178	mg/L	0.5178	mg/L	18:20:45
2	Ti	337.279†	428138.4	418783.8	0.5023	mg/L	0.5023	mg/L	18:20:35
2	Tl	190.801†	959.4	928.2	0.5021	mg/L	0.5021	mg/L	18:20:45
2	V	292.402†	111355.0	109559.3	0.5101	mg/L	0.5101	mg/L	18:20:35
2	Zn	213.857†	78189.3	75193.1	0.5014	mg/L	0.5014	mg/L	18:20:35

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3202189.9	1.02 mg/L	0.002			0.15%
Ag 328.068†	40693.2	0.2525 mg/L	0.00006	0.2525 mg/L	0.00006	0.03%
QC value within limits for Ag 328.068		Recovery = 100.98%				
Al 237.313†	26809.6	2.570 mg/L	0.0082	2.570 mg/L	0.0082	0.32%
QC value within limits for Al 237.313		Recovery = 102.80%				
As 188.979†	659.0	0.5169 mg/L	0.00694	0.5169 mg/L	0.00694	1.34%
QC value within limits for As 188.979		Recovery = 103.38%				
B 182.528†	440.5	0.5093 mg/L	0.00187	0.5093 mg/L	0.00187	0.37%
QC value within limits for B 182.528		Recovery = 101.86%				
B 249.677†	439.5	0.5164 mg/L	0.00274	0.5164 mg/L	0.00274	0.53%
QC value within limits for B 249.677		Recovery = 103.28%				
Ba 233.527†	56774.1	0.5108 mg/L	0.00102	0.5108 mg/L	0.00102	0.20%
QC value within limits for Ba 233.527		Recovery = 102.16%				
Be 313.107†	104739.5	0.0506 mg/L	0.00000	0.0506 mg/L	0.00000	0.00%
QC value within limits for Be 313.107		Recovery = 101.17%				

Ca	315.887†	712984.4	5.061 mg/L	0.0050	5.061 mg/L	0.0050	0.10%
	QC value within limits for Ca	315.887	Recovery =	101.22%			
Cd	228.802†	9470.1	0.2487 mg/L	0.00109	0.2487 mg/L	0.00109	0.44%
	QC value within limits for Cd	228.802	Recovery =	99.46%			
Co	228.616†	29859.2	0.5153 mg/L	0.00266	0.5153 mg/L	0.00266	0.52%
	QC value within limits for Co	228.616	Recovery =	103.06%			
Cr	267.716†	63156.3	0.5088 mg/L	0.00025	0.5088 mg/L	0.00025	0.05%
	QC value within limits for Cr	267.716	Recovery =	101.77%			
Cu	324.752†	114646.8	0.5053 mg/L	0.00019	0.5053 mg/L	0.00019	0.04%
	QC value within limits for Cu	324.752	Recovery =	101.06%			
Fe	234.349†	1652.8	2.598 mg/L	0.0062	2.598 mg/L	0.0062	0.24%
	QC value within limits for Fe	234.349	Recovery =	103.91%			
Fe	238.204†	400688.9	2.546 mg/L	0.0035	2.546 mg/L	0.0035	0.14%
	QC value within limits for Fe	238.204	Recovery =	101.84%			
K	766.490†	33960.1	25.35 mg/L	0.209	25.35 mg/L	0.209	0.82%
	QC value within limits for K	766.490	Recovery =	101.42%			
Li	670.784†	8786.5	0.5061 mg/L	0.00272	0.5061 mg/L	0.00272	0.54%
	QC value within limits for Li	670.784	Recovery =	101.22%			
Mg	279.077†	86873.1	5.106 mg/L	0.0029	5.106 mg/L	0.0029	0.06%
	QC value within limits for Mg	279.077	Recovery =	102.12%			
Mn	257.610†	436271.8	0.5044 mg/L	0.00061	0.5044 mg/L	0.00061	0.12%
	QC value within limits for Mn	257.610	Recovery =	100.88%			
Mo	202.031†	13036.9	0.5039 mg/L	0.00226	0.5039 mg/L	0.00226	0.45%
	QC value within limits for Mo	202.031	Recovery =	100.78%			
Na	589.592†	92782.8	25.53 mg/L	0.128	25.53 mg/L	0.128	0.50%
	QC value within limits for Na	589.592	Recovery =	102.11%			
Ni	231.604†	24404.0	0.5142 mg/L	0.00032	0.5142 mg/L	0.00032	0.06%
	QC value within limits for Ni	231.604	Recovery =	102.84%			
P	214.914†	12546.6	5.089 mg/L	0.0260	5.089 mg/L	0.0260	0.51%
	QC value within limits for P	214.914	Recovery =	101.79%			
Pb	220.353†	8607.8	0.5106 mg/L	0.00383	0.5106 mg/L	0.00383	0.75%
	QC value within limits for Pb	220.353	Recovery =	102.12%			
Sb	206.836†	899.5	0.5065 mg/L	0.00195	0.5065 mg/L	0.00195	0.39%
	QC value within limits for Sb	206.836	Recovery =	101.29%			
Se	196.026†	1624.5	1.032 mg/L	0.0077	1.032 mg/L	0.0077	0.74%
	QC value within limits for Se	196.026	Recovery =	103.25%			
Sn	189.927†	3900.9	0.5180 mg/L	0.00037	0.5180 mg/L	0.00037	0.07%
	QC value within limits for Sn	189.927	Recovery =	103.60%			
Sr	407.771†	30042.6	0.0514 mg/L	0.00022	0.0514 mg/L	0.00022	0.43%
	QC value within limits for Sr	407.771	Recovery =	102.77%			
Ti	337.279†	419284.4	0.5029 mg/L	0.00085	0.5029 mg/L	0.00085	0.17%
	QC value within limits for Ti	337.279	Recovery =	100.59%			
Tl	190.801†	932.9	0.5047 mg/L	0.00364	0.5047 mg/L	0.00364	0.72%
	QC value within limits for Tl	190.801	Recovery =	100.94%			
V	292.402†	109472.4	0.5098 mg/L	0.00055	0.5098 mg/L	0.00055	0.11%
	QC value within limits for V	292.402	Recovery =	101.95%			
Zn	213.857†	75308.5	0.5022 mg/L	0.00110	0.5022 mg/L	0.00110	0.22%
	QC value within limits for Zn	213.857	Recovery =	100.44%			
All analyte(s) passed QC.							

Sequence No.: 26
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/11/2012 6:22:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	4.6	1.1	0.0025 mg/L	0.0025 mg/L	18:24:24
1	Fe 234.349†	4.0	-0.5	0.0000 mg/L	0.0000 mg/L	18:24:24
1	K 766.490†	349.7	15.6	0.0565 mg/L	0.0565 mg/L	18:24:14
1	Li 670.784†	-161.6	40.3	0.0034 mg/L	0.0034 mg/L	18:24:14
1	Na 589.592†	-10.5	282.4	-0.0004 mg/L	-0.0004 mg/L	18:24:14
1	Sr 407.771†	98.9	-17.5	0.0000 mg/L	0.0000 mg/L	18:24:14
1	Y 371.029	3387297.5	3387297.5	1.08 mg/L		18:24:48
1	Ag 328.068†	2022.7	-171.6	-0.0013 mg/L	-0.0013 mg/L	18:24:51
1	Al 237.313†	-248.4	-82.1	-0.0246 mg/L	-0.0246 mg/L	18:24:51
1	As 188.979†	20.0	10.6	0.0101 mg/L	0.0101 mg/L	18:25:01
1	B 182.528†	-7.4	-0.2	0.0016 mg/L	0.0016 mg/L	18:25:01
1	Ba 233.527†	-54.7	16.1	-0.0014 mg/L	-0.0014 mg/L	18:25:01

1	Be 313.107†	-815.2	152.4	0.0001 mg/L	0.0001 mg/L	18:24:51
1	Ca 315.887†	775.6	-819.9	-0.0194 mg/L	-0.0194 mg/L	18:24:51
1	Cd 228.802†	93.1	-7.1	-0.0003 mg/L	-0.0003 mg/L	18:25:01
1	Co 228.616†	-25.0	11.3	-0.0043 mg/L	-0.0043 mg/L	18:25:01
1	Cr 267.716†	899.1	194.1	0.0010 mg/L	0.0010 mg/L	18:24:51
1	Cu 324.752†	1843.3	-66.6	-0.0023 mg/L	-0.0023 mg/L	18:24:51
1	Fe 238.204†	1355.8	385.6	-0.0067 mg/L	-0.0067 mg/L	18:25:01
1	Mg 279.077†	216.1	-126.8	-0.0348 mg/L	-0.0348 mg/L	18:24:51
1	Mn 257.610†	785.7	168.7	-0.0020 mg/L	-0.0020 mg/L	18:24:51
1	Mo 202.031†	6.6	17.8	0.0010 mg/L	0.0010 mg/L	18:25:01
1	Ni 231.604†	103.9	86.2	-0.0009 mg/L	-0.0009 mg/L	18:24:51
1	P 214.914†	233.1	-49.0	-0.0043 mg/L	-0.0043 mg/L	18:25:01
1	Pb 220.353†	-21.5	-33.7	-0.0046 mg/L	-0.0046 mg/L	18:25:01
1	Sb 206.836†	39.9	1.1	-0.0008 mg/L	-0.0008 mg/L	18:25:01
1	Se 196.026†	-2.8	-0.6	0.0016 mg/L	0.0016 mg/L	18:25:01
1	Sn 189.927†	-21.0	-16.7	-0.0044 mg/L	-0.0044 mg/L	18:25:01
1	Ti 337.279†	-792.8	365.9	0.0016 mg/L	0.0016 mg/L	18:24:51
1	Tl 190.801†	2.5	-5.4	-0.0089 mg/L	-0.0089 mg/L	18:25:01
1	V 292.402†	-975.1	22.6	0.0022 mg/L	0.0022 mg/L	18:24:51
1	Zn 213.857†	1148.3	-27.1	-0.0036 mg/L	-0.0036 mg/L	18:25:01
2	B 249.677†	-0.4	-3.5	-0.0029 mg/L	-0.0029 mg/L	18:24:45
2	Fe 234.349†	3.5	-0.9	-0.0006 mg/L	-0.0006 mg/L	18:24:45
2	K 766.490†	389.5	61.7	0.0909 mg/L	0.0909 mg/L	18:24:35
2	Li 670.784†	-167.9	30.6	0.0029 mg/L	0.0029 mg/L	18:24:35
2	Na 589.592†	-73.7	222.3	-0.0170 mg/L	-0.0170 mg/L	18:24:35
2	Sr 407.771†	100.1	-14.0	0.0000 mg/L	0.0000 mg/L	18:24:35
2	Y 371.029	3301521.9	3301521.9	1.06 mg/L		18:25:03
2	Ag 328.068†	2108.4	-41.9	-0.0005 mg/L	-0.0005 mg/L	18:25:05
2	Al 237.313†	-256.6	-95.9	-0.0260 mg/L	-0.0260 mg/L	18:25:05
2	As 188.979†	16.1	7.4	0.0076 mg/L	0.0076 mg/L	18:25:16
2	B 182.528†	-9.6	-2.4	-0.0010 mg/L	-0.0010 mg/L	18:25:16
2	Ba 233.527†	-53.9	15.4	-0.0014 mg/L	-0.0014 mg/L	18:25:16
2	Be 313.107†	-917.2	36.2	0.0001 mg/L	0.0001 mg/L	18:25:05
2	Ca 315.887†	625.0	-943.9	-0.0203 mg/L	-0.0203 mg/L	18:25:05
2	Cd 228.802†	99.3	1.1	-0.0001 mg/L	-0.0001 mg/L	18:25:16
2	Co 228.616†	-42.6	-5.9	-0.0046 mg/L	-0.0046 mg/L	18:25:16
2	Cr 267.716†	779.5	102.5	0.0003 mg/L	0.0003 mg/L	18:25:05
2	Cu 324.752†	1927.0	56.9	-0.0017 mg/L	-0.0017 mg/L	18:25:05
2	Fe 238.204†	1010.3	90.9	-0.0086 mg/L	-0.0086 mg/L	18:25:16
2	Mg 279.077†	219.8	-118.1	-0.0343 mg/L	-0.0343 mg/L	18:25:05
2	Mn 257.610†	629.9	40.0	-0.0021 mg/L	-0.0021 mg/L	18:25:05
2	Mo 202.031†	30.3	40.5	0.0019 mg/L	0.0019 mg/L	18:25:16
2	Ni 231.604†	72.5	59.0	-0.0015 mg/L	-0.0015 mg/L	18:25:05
2	P 214.914†	271.1	-7.4	0.0126 mg/L	0.0126 mg/L	18:25:16
2	Pb 220.353†	-31.3	-43.4	-0.0052 mg/L	-0.0052 mg/L	18:25:16
2	Sb 206.836†	43.7	5.7	0.0017 mg/L	0.0017 mg/L	18:25:16
2	Se 196.026†	-1.5	0.5	0.0024 mg/L	0.0024 mg/L	18:25:16
2	Sn 189.927†	-13.1	-9.7	-0.0035 mg/L	-0.0035 mg/L	18:25:16
2	Ti 337.279†	-1013.0	138.4	0.0013 mg/L	0.0013 mg/L	18:25:05
2	Tl 190.801†	0.2	-7.5	-0.0101 mg/L	-0.0101 mg/L	18:25:16
2	V 292.402†	-1041.5	-63.7	0.0018 mg/L	0.0018 mg/L	18:25:05
2	Zn 213.857†	1166.8	17.9	-0.0033 mg/L	-0.0033 mg/L	18:25:16

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3344409.7	1.07 mg/L	0.019			1.81%
Ag 328.068†	-106.8	-0.0009 mg/L	0.00057	-0.0009 mg/L	0.00057	61.35%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-89.0	-0.0253 mg/L	0.00094	-0.0253 mg/L	0.00094	3.72%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	9.0	0.0088 mg/L	0.00178	0.0088 mg/L	0.00178	20.10%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	-1.3	0.0003 mg/L	0.00183	0.0003 mg/L	0.00183	681.20%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-1.2	-0.0002 mg/L	0.00381	-0.0002 mg/L	0.00381	>999.9%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	15.7	-0.0014 mg/L	0.00000	-0.0014 mg/L	0.00000	0.27%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	94.3	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	32.81%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-881.9	-0.0199 mg/L	0.00063	-0.0199 mg/L	0.00063	3.16%

	QC value within limits for Ca 315.887	Recovery = Not calculated				
Cd	228.802†	-3.0	-0.0002 mg/L	0.00016	-0.0002 mg/L	0.00016 96.64%
	QC value within limits for Cd 228.802	Recovery = Not calculated				
Co	228.616†	2.7	-0.0045 mg/L	0.00021	-0.0045 mg/L	0.00021 4.75%
	QC value less than the lower limit for Co 228.616	Recovery = Not calculated				
Cr	267.716†	148.3	0.0007 mg/L	0.00052	0.0007 mg/L	0.00052 79.42%
	QC value within limits for Cr 267.716	Recovery = Not calculated				
Cu	324.752†	-4.9	-0.0020 mg/L	0.00039	-0.0020 mg/L	0.00039 19.23%
	QC value within limits for Cu 324.752	Recovery = Not calculated				
Fe	234.349†	-0.7	-0.0003 mg/L	0.00038	-0.0003 mg/L	0.00038 126.76%
	QC value within limits for Fe 234.349	Recovery = Not calculated				
Fe	238.204†	238.2	-0.0077 mg/L	0.00133	-0.0077 mg/L	0.00133 17.32%
	QC value within limits for Fe 238.204	Recovery = Not calculated				
K	766.490†	38.7	0.0737 mg/L	0.02428	0.0737 mg/L	0.02428 32.95%
	QC value within limits for K 766.490	Recovery = Not calculated				
Li	670.784†	35.5	0.0032 mg/L	0.00040	0.0032 mg/L	0.00040 12.53%
	QC value within limits for Li 670.784	Recovery = Not calculated				
Mg	279.077†	-122.4	-0.0346 mg/L	0.00036	-0.0346 mg/L	0.00036 1.04%
	QC value less than the lower limit for Mg 279.077	Recovery = Not calculated				
Mn	257.610†	104.4	-0.0020 mg/L	0.00011	-0.0020 mg/L	0.00011 5.19%
	QC value within limits for Mn 257.610	Recovery = Not calculated				
Mo	202.031†	29.2	0.0015 mg/L	0.00062	0.0015 mg/L	0.00062 41.82%
	QC value within limits for Mo 202.031	Recovery = Not calculated				
Na	589.592†	252.3	-0.0087 mg/L	0.01173	-0.0087 mg/L	0.01173 135.53%
	QC value within limits for Na 589.592	Recovery = Not calculated				
Ni	231.604†	72.6	-0.0012 mg/L	0.00041	-0.0012 mg/L	0.00041 34.81%
	QC value within limits for Ni 231.604	Recovery = Not calculated				
P	214.914†	-28.2	0.0041 mg/L	0.01189	0.0041 mg/L	0.01189 286.97%
	QC value within limits for P 214.914	Recovery = Not calculated				
Pb	220.353†	-38.5	-0.0049 mg/L	0.00041	-0.0049 mg/L	0.00041 8.36%
	QC value within limits for Pb 220.353	Recovery = Not calculated				
Sb	206.836†	3.4	0.0005 mg/L	0.00181	0.0005 mg/L	0.00181 383.43%
	QC value within limits for Sb 206.836	Recovery = Not calculated				
Se	196.026†	-0.1	0.0020 mg/L	0.00051	0.0020 mg/L	0.00051 25.49%
	QC value within limits for Se 196.026	Recovery = Not calculated				
Sn	189.927†	-13.2	-0.0040 mg/L	0.00065	-0.0040 mg/L	0.00065 16.39%
	QC value within limits for Sn 189.927	Recovery = Not calculated				
Sr	407.771†	-15.7	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000 19.96%
	QC value within limits for Sr 407.771	Recovery = Not calculated				
Ti	337.279†	252.1	0.0015 mg/L	0.00019	0.0015 mg/L	0.00019 13.00%
	QC value greater than the upper limit for Ti 337.279	Recovery = Not calculated				
Tl	190.801†	-6.5	-0.0095 mg/L	0.00083	-0.0095 mg/L	0.00083 8.80%
	QC value within limits for Tl 190.801	Recovery = Not calculated				
V	292.402†	-20.5	0.0020 mg/L	0.00028	0.0020 mg/L	0.00028 14.09%
	QC value greater than the upper limit for V 292.402	Recovery = Not calculated				
Zn	213.857†	-4.6	-0.0034 mg/L	0.00022	-0.0034 mg/L	0.00022 6.33%
	QC value within limits for Zn 213.857	Recovery = Not calculated				
QC Failed. Continue with analysis.						

Sequence No.: 27	Autosampler Location: 29
Sample ID: 1210127-08 SPLP	Date Collected: 10/11/2012 6:26:53 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210127-08 SPLP							
Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time	
1	B 249.677†	91.7	86.2	0.1025 mg/L	0.1025 mg/L	18:28:46	
1	Fe 234.349†	1535.0	1491.7	2.337 mg/L	2.337 mg/L	18:28:46	
1	K 766.490†	1961.4	1604.2	1.240 mg/L	1.240 mg/L	18:28:36	
1	Li 670.784†	-74.4	117.1	0.0079 mg/L	0.0079 mg/L	18:28:36	
1	Na 589.592†	37638.8	36972.4	10.12 mg/L	10.12 mg/L	18:28:36	
1	Sr 407.771†	71147.5	69226.9	0.1184 mg/L	0.1184 mg/L	18:28:36	
1	Y 371.029	3209012.1	3209012.1	1.03 mg/L		18:29:03	
1	Ag 328.068†	4804.8	2643.4	0.0163 mg/L	0.0163 mg/L	18:29:05	
1	Al 237.313†	36321.2	35543.5	3.406 mg/L	3.406 mg/L	18:29:05	
1	As 188.979†	10.6	2.5	0.0047 mg/L	0.0047 mg/L	18:29:15	
1	B 182.528†	65.2	70.2	0.0826 mg/L	0.0826 mg/L	18:29:15	
1	Ba 233.527†	3254.5	3238.1	0.0277 mg/L	0.0277 mg/L	18:29:15	
1	Be 313.107†	-695.9	226.9	0.0002 mg/L	0.0002 mg/L	18:29:05	

1	Ca	315.887†	2839914.9	2766057.0	19.66	mg/L	19.66	mg/L	18:29:03
1	Cd	228.802†	102.5	6.9	0.0001	mg/L	0.0001	mg/L	18:29:15
1	Co	228.616†	20.1	54.1	-0.0039	mg/L	-0.0039	mg/L	18:29:15
1	Cr	267.716†	1393.8	722.4	0.0053	mg/L	0.0053	mg/L	18:29:05
1	Cu	324.752†	51899.0	48808.8	0.2139	mg/L	0.2139	mg/L	18:29:05
1	Fe	238.204†	356818.6	346865.7	2.202	mg/L	2.202	mg/L	18:29:05
1	Mg	279.077†	19459.8	18637.9	1.074	mg/L	1.074	mg/L	18:29:05
1	Mn	257.610†	12272.8	11403.6	0.0111	mg/L	0.0111	mg/L	18:29:05
1	Mo	202.031†	133.6	142.0	0.0050	mg/L	0.0050	mg/L	18:29:15
1	Ni	231.604†	824.7	794.0	0.0141	mg/L	0.0141	mg/L	18:29:15
1	P	214.914†	828.1	542.7	0.2368	mg/L	0.2368	mg/L	18:29:15
1	Pb	220.353†	730.6	698.2	0.0378	mg/L	0.0378	mg/L	18:29:15
1	Sb	206.836†	57.8	20.6	0.0092	mg/L	0.0092	mg/L	18:29:15
1	Se	196.026†	-5.1	-3.1	0.0011	mg/L	0.0011	mg/L	18:29:15
1	Sn	189.927†	-127.5	-121.6	-0.0113	mg/L	-0.0113	mg/L	18:29:15
1	Ti	337.279†	136219.7	133848.6	0.1614	mg/L	0.1614	mg/L	18:29:05
1	Tl	190.801†	14.5	6.4	-0.0040	mg/L	-0.0040	mg/L	18:29:15
1	V	292.402†	1278.1	2168.4	0.0115	mg/L	0.0115	mg/L	18:29:05
1	Zn	213.857†	28957.8	27133.1	0.1796	mg/L	0.1796	mg/L	18:29:05
2	B	249.677†	85.7	80.4	0.0957	mg/L	0.0957	mg/L	18:28:59
2	Fe	234.349†	1534.3	1492.2	2.338	mg/L	2.338	mg/L	18:28:59
2	K	766.490†	2034.3	1676.8	1.295	mg/L	1.295	mg/L	18:28:49
2	Li	670.784†	-102.0	90.1	0.0063	mg/L	0.0063	mg/L	18:28:49
2	Na	589.592†	38024.4	37376.9	10.24	mg/L	10.24	mg/L	18:28:49
2	Sr	407.771†	71848.4	69964.2	0.1197	mg/L	0.1197	mg/L	18:28:49
2	Y	371.029	3206525.9	3206525.9	1.03	mg/L	1.03	mg/L	18:29:17
2	Ag	328.068†	4867.2	2707.9	0.0167	mg/L	0.0167	mg/L	18:29:20
2	Al	237.313†	36900.7	36136.1	3.463	mg/L	3.463	mg/L	18:29:20
2	As	188.979†	3.9	-4.0	-0.0003	mg/L	-0.0003	mg/L	18:29:30
2	B	182.528†	71.1	76.0	0.0893	mg/L	0.0893	mg/L	18:29:30
2	Ba	233.527†	3248.0	3234.2	0.0276	mg/L	0.0276	mg/L	18:29:30
2	Be	313.107†	-657.3	264.1	0.0002	mg/L	0.0002	mg/L	18:29:20
2	Ca	315.887†	2865857.9	2793504.7	19.86	mg/L	19.86	mg/L	18:29:17
2	Cd	228.802†	92.8	-2.5	-0.0001	mg/L	-0.0001	mg/L	18:29:30
2	Co	228.616†	19.5	53.4	-0.0039	mg/L	-0.0039	mg/L	18:29:30
2	Cr	267.716†	1460.1	788.1	0.0058	mg/L	0.0058	mg/L	18:29:20
2	Cu	324.752†	52876.4	49801.3	0.2183	mg/L	0.2183	mg/L	18:29:20
2	Fe	238.204†	363262.2	353419.6	2.244	mg/L	2.244	mg/L	18:29:20
2	Mg	279.077†	19848.0	19031.3	1.097	mg/L	1.097	mg/L	18:29:20
2	Mn	257.610†	12371.0	11508.6	0.0112	mg/L	0.0112	mg/L	18:29:20
2	Mo	202.031†	124.4	133.1	0.0046	mg/L	0.0046	mg/L	18:29:30
2	Ni	231.604†	831.4	801.2	0.0142	mg/L	0.0142	mg/L	18:29:30
2	P	214.914†	812.3	528.0	0.2308	mg/L	0.2308	mg/L	18:29:30
2	Pb	220.353†	734.5	702.5	0.0381	mg/L	0.0381	mg/L	18:29:30
2	Sb	206.836†	38.6	1.9	-0.0014	mg/L	-0.0014	mg/L	18:29:30
2	Se	196.026†	-2.2	-0.2	0.0029	mg/L	0.0029	mg/L	18:29:30
2	Sn	189.927†	-122.5	-116.8	-0.0107	mg/L	-0.0107	mg/L	18:29:30
2	Ti	337.279†	141083.4	138695.0	0.1672	mg/L	0.1672	mg/L	18:29:20
2	Tl	190.801†	20.7	12.5	-0.0006	mg/L	-0.0006	mg/L	18:29:30
2	V	292.402†	1189.5	2083.0	0.0111	mg/L	0.0111	mg/L	18:29:20
2	Zn	213.857†	29691.2	27870.3	0.1846	mg/L	0.1846	mg/L	18:29:20

Mean Data: 1210127-08 SPLP

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	3207769.0	1.03	mg/L	0.001				0.05%
Ag 328.068†	2675.7	0.0165	mg/L	0.00028	0.0165	mg/L	0.00028	1.71%
Al 237.313†	35839.8	3.434	mg/L	0.0404	3.434	mg/L	0.0404	1.17%
As 188.979†	-0.8	0.0022	mg/L	0.00359	0.0022	mg/L	0.00359	163.68%
B 182.528†	73.1	0.0860	mg/L	0.00472	0.0860	mg/L	0.00472	5.49%
B 249.677†	83.3	0.0991	mg/L	0.00483	0.0991	mg/L	0.00483	4.88%
Ba 233.527†	3236.2	0.0277	mg/L	0.00002	0.0277	mg/L	0.00002	0.09%
Be 313.107†	245.5	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	6.54%
Ca 315.887†	2779780.9	19.76	mg/L	0.138	19.76	mg/L	0.138	0.70%
Cd 228.802†	2.2	0.0000	mg/L	0.00016	0.0000	mg/L	0.00016	>999.9%
Co 228.616†	53.8	-0.0039	mg/L	0.00002	-0.0039	mg/L	0.00002	0.41%
Cr 267.716†	755.2	0.0056	mg/L	0.00037	0.0056	mg/L	0.00037	6.73%
Cu 324.752†	49305.1	0.2161	mg/L	0.00311	0.2161	mg/L	0.00311	1.44%
Fe 234.349†	1491.9	2.338	mg/L	0.0004	2.338	mg/L	0.0004	0.02%
Fe 238.204†	350142.6	2.223	mg/L	0.0295	2.223	mg/L	0.0295	1.33%
K 766.490†	1640.5	1.267	mg/L	0.0383	1.267	mg/L	0.0383	3.02%
Li 670.784†	103.6	0.0071	mg/L	0.00110	0.0071	mg/L	0.00110	15.48%

Mg 279.077†	18834.6	1.085 mg/L	0.0164	1.085 mg/L	0.0164	1.51%
Mn 257.610†	11456.1	0.0111 mg/L	0.00009	0.0111 mg/L	0.00009	0.77%
Mo 202.031†	137.5	0.0048 mg/L	0.00025	0.0048 mg/L	0.00025	5.13%
Na 589.592†	37174.7	10.18 mg/L	0.079	10.18 mg/L	0.079	0.78%
Ni 231.604†	797.6	0.0142 mg/L	0.00011	0.0142 mg/L	0.00011	0.75%
P 214.914†	535.4	0.2338 mg/L	0.00427	0.2338 mg/L	0.00427	1.83%
Pb 220.353†	700.4	0.0380 mg/L	0.00016	0.0380 mg/L	0.00016	0.43%
Sb 206.836†	11.3	0.0039 mg/L	0.00749	0.0039 mg/L	0.00749	192.52%
Se 196.026†	-1.6	0.0020 mg/L	0.00129	0.0020 mg/L	0.00129	64.27%
Sn 189.927†	-119.2	-0.0110 mg/L	0.00045	-0.0110 mg/L	0.00045	4.09%
Sr 407.771†	69595.5	0.1190 mg/L	0.00089	0.1190 mg/L	0.00089	0.75%
Ti 337.279†	136271.8	0.1643 mg/L	0.00410	0.1643 mg/L	0.00410	2.50%
Tl 190.801†	9.4	-0.0023 mg/L	0.00239	-0.0023 mg/L	0.00239	105.03%
V 292.402†	2125.7	0.0113 mg/L	0.00028	0.0113 mg/L	0.00028	2.48%
Zn 213.857†	27501.7	0.1821 mg/L	0.00352	0.1821 mg/L	0.00352	1.93%

Sequence No.: 28

Sample ID: 1210127-09 SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 30

Date Collected: 10/11/2012 6:31:08 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-09 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	134.7	124.7	0.1477 mg/L	0.1477 mg/L	18:32:57
1	Fe 234.349†	1432.1	1355.2	2.137 mg/L	2.137 mg/L	18:32:57
1	K 766.490†	1369.0	992.3	0.7844 mg/L	0.7844 mg/L	18:32:47
1	Li 670.784†	-215.6	-15.1	0.0003 mg/L	0.0003 mg/L	18:32:47
1	Na 589.592†	35266.5	33769.8	9.241 mg/L	9.241 mg/L	18:32:47
1	Sr 407.771†	5082.9	4716.3	0.0081 mg/L	0.0081 mg/L	18:32:47
1	Y 371.029	3294394.7	3294394.7	1.05 mg/L		18:33:14
1	Ag 328.068†	1925.8	-210.9	-0.0014 mg/L	-0.0014 mg/L	18:33:16
1	Al 237.313†	55775.3	53093.4	5.096 mg/L	5.096 mg/L	18:33:16
1	As 188.979†	9.6	1.2	0.0037 mg/L	0.0037 mg/L	18:33:26
1	B 182.528†	130.2	130.3	0.1519 mg/L	0.1519 mg/L	18:33:26
1	Ba 233.527†	2271.6	2222.9	0.0185 mg/L	0.0185 mg/L	18:33:26
1	Be 313.107†	-509.6	421.3	0.0003 mg/L	0.0003 mg/L	18:33:16
1	Ca 315.887†	461851.1	436888.4	3.094 mg/L	3.094 mg/L	18:33:14
1	Cd 228.802†	90.3	-7.3	-0.0003 mg/L	-0.0003 mg/L	18:33:26
1	Co 228.616†	29.1	62.1	-0.0040 mg/L	-0.0040 mg/L	18:33:26
1	Cr 267.716†	1245.8	546.7	0.0039 mg/L	0.0039 mg/L	18:33:26
1	Cu 324.752†	2619.2	717.9	0.0014 mg/L	0.0014 mg/L	18:33:16
1	Fe 238.204†	347773.6	329267.0	2.090 mg/L	2.090 mg/L	18:33:16
1	Mg 279.077†	10296.4	9447.9	0.5308 mg/L	0.5308 mg/L	18:33:16
1	Mn 257.610†	10476.0	9388.0	0.0087 mg/L	0.0087 mg/L	18:33:16
1	Mo 202.031†	27.5	37.9	0.0012 mg/L	0.0012 mg/L	18:33:26
1	Ni 231.604†	124.9	108.9	-0.0004 mg/L	-0.0004 mg/L	18:33:26
1	P 214.914†	727.7	426.5	0.1933 mg/L	0.1933 mg/L	18:33:26
1	Pb 220.353†	75.6	58.0	-0.0006 mg/L	-0.0006 mg/L	18:33:26
1	Sb 206.836†	41.6	3.8	-0.0002 mg/L	-0.0002 mg/L	18:33:26
1	Se 196.026†	5.7	7.3	0.0076 mg/L	0.0076 mg/L	18:33:26
1	Sn 189.927†	-42.5	-37.7	-0.0009 mg/L	-0.0009 mg/L	18:33:26
1	Ti 337.279†	239326.8	228285.2	0.2744 mg/L	0.2744 mg/L	18:33:16
1	Tl 190.801†	9.8	1.6	-0.0066 mg/L	-0.0066 mg/L	18:33:26
1	V 292.402†	1817.2	2647.9	0.0136 mg/L	0.0136 mg/L	18:33:16
1	Zn 213.857†	2475.8	1263.0	0.0051 mg/L	0.0051 mg/L	18:33:26
2	B 249.677†	142.3	127.1	0.1505 mg/L	0.1505 mg/L	18:33:10
2	Fe 234.349†	1439.6	1313.4	2.071 mg/L	2.071 mg/L	18:33:10
2	K 766.490†	1467.6	1036.0	0.8170 mg/L	0.8170 mg/L	18:33:00
2	Li 670.784†	-167.9	35.8	0.0032 mg/L	0.0032 mg/L	18:33:00
2	Na 589.592†	35710.2	32977.2	9.022 mg/L	9.022 mg/L	18:33:00
2	Sr 407.771†	5244.5	4691.4	0.0080 mg/L	0.0080 mg/L	18:33:00
2	Y 371.029	3416728.7	3416728.7	1.09 mg/L		18:33:28
2	Ag 328.068†	1946.6	-257.3	-0.0017 mg/L	-0.0017 mg/L	18:33:31
2	Al 237.313†	56302.0	51679.7	4.960 mg/L	4.960 mg/L	18:33:31
2	As 188.979†	9.5	0.9	0.0033 mg/L	0.0033 mg/L	18:33:41
2	B 182.528†	127.7	123.6	0.1441 mg/L	0.1441 mg/L	18:33:41
2	Ba 233.527†	2250.7	2126.6	0.0176 mg/L	0.0176 mg/L	18:33:41
2	Be 313.107†	-546.9	404.5	0.0003 mg/L	0.0003 mg/L	18:33:31
2	Ca 315.887†	459859.3	419367.7	2.970 mg/L	2.970 mg/L	18:33:28

2	Cd	228.802†	95.1	-6.0	-0.0002	mg/L	-0.0002	mg/L	18:33:41
2	Co	228.616†	18.1	51.0	-0.0041	mg/L	-0.0041	mg/L	18:33:41
2	Cr	267.716†	1247.1	505.5	0.0035	mg/L	0.0035	mg/L	18:33:41
2	Cu	324.752†	2681.8	686.2	0.0013	mg/L	0.0013	mg/L	18:33:31
2	Fe	238.204†	352866.0	322107.8	2.044	mg/L	2.044	mg/L	18:33:31
2	Mg	279.077†	10476.6	9262.8	0.5198	mg/L	0.5198	mg/L	18:33:31
2	Mn	257.610†	10421.9	8982.4	0.0083	mg/L	0.0083	mg/L	18:33:31
2	Mo	202.031†	14.5	25.1	0.0007	mg/L	0.0007	mg/L	18:33:41
2	Ni	231.604†	114.1	94.8	-0.0007	mg/L	-0.0007	mg/L	18:33:41
2	P	214.914†	723.3	397.8	0.1815	mg/L	0.1815	mg/L	18:33:41
2	Pb	220.353†	69.7	50.0	-0.0010	mg/L	-0.0010	mg/L	18:33:41
2	Sb	206.836†	46.2	6.6	0.0014	mg/L	0.0014	mg/L	18:33:41
2	Se	196.026†	8.5	9.7	0.0091	mg/L	0.0091	mg/L	18:33:41
2	Sn	189.927†	-62.9	-54.9	-0.0034	mg/L	-0.0034	mg/L	18:33:41
2	Ti	337.279†	243422.6	223899.6	0.2691	mg/L	0.2691	mg/L	18:33:31
2	Tl	190.801†	3.1	-4.9	-0.0102	mg/L	-0.0102	mg/L	18:33:41
2	V	292.402†	1812.1	2581.5	0.0133	mg/L	0.0133	mg/L	18:33:31
2	Zn	213.857†	2451.9	1156.9	0.0044	mg/L	0.0044	mg/L	18:33:41

Mean Data: 1210127-09 SPLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3355561.7	1.07	mg/L	0.028				2.58%
Ag 328.068†	-234.1	-0.0016	mg/L	0.00021	-0.0016	mg/L	0.00021	13.33%
Al 237.313†	52386.6	5.028	mg/L	0.0963	5.028	mg/L	0.0963	1.91%
As 188.979†	1.0	0.0035	mg/L	0.00024	0.0035	mg/L	0.00024	6.78%
B 182.528†	126.9	0.1480	mg/L	0.00547	0.1480	mg/L	0.00547	3.70%
B 249.677†	125.9	0.1491	mg/L	0.00200	0.1491	mg/L	0.00200	1.34%
Ba 233.527†	2174.8	0.0181	mg/L	0.00062	0.0181	mg/L	0.00062	3.40%
Be 313.107†	412.9	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	2.09%
Ca 315.887†	428128.1	3.032	mg/L	0.0881	3.032	mg/L	0.0881	2.91%
Cd 228.802†	-6.6	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	10.60%
Co 228.616†	56.6	-0.0040	mg/L	0.00013	-0.0040	mg/L	0.00013	3.18%
Cr 267.716†	526.1	0.0037	mg/L	0.00024	0.0037	mg/L	0.00024	6.36%
Cu 324.752†	702.0	0.0013	mg/L	0.00010	0.0013	mg/L	0.00010	7.67%
Fe 234.349†	1334.3	2.104	mg/L	0.0466	2.104	mg/L	0.0466	2.21%
Fe 238.204†	325687.4	2.067	mg/L	0.0323	2.067	mg/L	0.0323	1.56%
K 766.490†	1014.2	0.8007	mg/L	0.02305	0.8007	mg/L	0.02305	2.88%
Li 670.784†	10.4	0.0017	mg/L	0.00207	0.0017	mg/L	0.00207	120.19%
Mg 279.077†	9355.4	0.5253	mg/L	0.00773	0.5253	mg/L	0.00773	1.47%
Mn 257.610†	9185.2	0.0085	mg/L	0.00033	0.0085	mg/L	0.00033	3.91%
Mo 202.031†	31.5	0.0009	mg/L	0.00034	0.0009	mg/L	0.00034	36.76%
Na 589.592†	33373.5	9.132	mg/L	0.1547	9.132	mg/L	0.1547	1.69%
Ni 231.604†	101.8	-0.0005	mg/L	0.00021	-0.0005	mg/L	0.00021	38.59%
P 214.914†	412.2	0.1874	mg/L	0.00834	0.1874	mg/L	0.00834	4.45%
Pb 220.353†	54.0	-0.0008	mg/L	0.00031	-0.0008	mg/L	0.00031	39.10%
Sb 206.836†	5.2	0.0006	mg/L	0.00115	0.0006	mg/L	0.00115	204.02%
Se 196.026†	8.5	0.0083	mg/L	0.00104	0.0083	mg/L	0.00104	12.48%
Sn 189.927†	-46.3	-0.0021	mg/L	0.00174	-0.0021	mg/L	0.00174	80.84%
Sr 407.771†	4703.8	0.0081	mg/L	0.00003	0.0081	mg/L	0.00003	0.37%
Ti 337.279†	226092.4	0.2717	mg/L	0.00371	0.2717	mg/L	0.00371	1.37%
Tl 190.801†	-1.6	-0.0084	mg/L	0.00251	-0.0084	mg/L	0.00251	29.87%
V 292.402†	2614.7	0.0135	mg/L	0.00021	0.0135	mg/L	0.00021	1.54%
Zn 213.857†	1209.9	0.0048	mg/L	0.00051	0.0048	mg/L	0.00051	10.58%

Sequence No.: 29

Sample ID: 1210127-10 SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 31

Date Collected: 10/11/2012 6:35:19 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210127-10 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	167.5	160.2	0.1893	mg/L	0.1893	mg/L	18:37:12
1	Fe 234.349†	957.5	928.9	1.459	mg/L	1.459	mg/L	18:37:12
1	K 766.490†	2006.9	1648.6	1.274	mg/L	1.274	mg/L	18:37:02
1	Li 670.784†	-75.1	116.4	0.0078	mg/L	0.0078	mg/L	18:37:02
1	Na 589.592†	52683.6	51635.4	14.17	mg/L	14.17	mg/L	18:37:02
1	Sr 407.771†	23353.5	22650.6	0.0387	mg/L	0.0387	mg/L	18:37:02

1	Y 371.029	3208923.9	3208923.9	1.03	mg/L			18:37:29
1	Ag 328.068†	8766.5	6504.5	0.0402	mg/L	0.0402	mg/L	18:37:31
1	Al 237.313†	12264.2	12099.5	1.149	mg/L	1.149	mg/L	18:37:31
1	As 188.979†	20.9	12.6	0.0122	mg/L	0.0122	mg/L	18:37:41
1	B 182.528†	147.2	150.1	0.1747	mg/L	0.1747	mg/L	18:37:41
1	Ba 233.527†	8315.2	8170.2	0.0722	mg/L	0.0722	mg/L	18:37:41
1	Be 313.107†	-260.5	651.2	0.0004	mg/L	0.0004	mg/L	18:37:31
1	Ca 315.887†	1120971.9	1090919.1	7.747	mg/L	7.747	mg/L	18:37:29
1	Cd 228.802†	127.5	31.2	0.0007	mg/L	0.0007	mg/L	18:37:41
1	Co 228.616†	124.9	156.2	-0.0018	mg/L	-0.0018	mg/L	18:37:41
1	Cr 267.716†	14100.7	13106.1	0.1051	mg/L	0.1051	mg/L	18:37:31
1	Cu 324.752†	224006.3	216539.2	0.9554	mg/L	0.9554	mg/L	18:37:31
1	Fe 238.204†	236029.5	229158.9	1.452	mg/L	1.452	mg/L	18:37:31
1	Mg 279.077†	29360.2	28287.0	1.644	mg/L	1.644	mg/L	18:37:31
1	Mn 257.610†	21503.8	20400.1	0.0215	mg/L	0.0215	mg/L	18:37:31
1	Mo 202.031†	600.4	596.9	0.0223	mg/L	0.0223	mg/L	18:37:41
1	Ni 231.604†	3167.8	3077.5	0.0624	mg/L	0.0624	mg/L	18:37:41
1	P 214.914†	953.0	664.5	0.2700	mg/L	0.2700	mg/L	18:37:41
1	Pb 220.353†	3836.3	3725.0	0.2189	mg/L	0.2189	mg/L	18:37:41
1	Sb 206.836†	86.6	48.7	0.0255	mg/L	0.0255	mg/L	18:37:41
1	Se 196.026†	9.0	10.8	0.0095	mg/L	0.0095	mg/L	18:37:41
1	Sn 189.927†	159.3	157.9	0.0228	mg/L	0.0228	mg/L	18:37:41
1	Ti 337.279†	30364.7	30690.1	0.0379	mg/L	0.0379	mg/L	18:37:31
1	Tl 190.801†	10.3	2.3	-0.0056	mg/L	-0.0056	mg/L	18:37:41
1	V 292.402†	3784.0	4610.6	0.0237	mg/L	0.0237	mg/L	18:37:31
1	Zn 213.857†	40394.7	38279.8	0.2534	mg/L	0.2534	mg/L	18:37:31
2	B 249.677†	166.8	157.4	0.1861	mg/L	0.1861	mg/L	18:37:25
2	Fe 234.349†	954.3	914.5	1.437	mg/L	1.437	mg/L	18:37:25
2	K 766.490†	2071.8	1687.4	1.302	mg/L	1.302	mg/L	18:37:15
2	Li 670.784†	-111.7	82.0	0.0058	mg/L	0.0058	mg/L	18:37:15
2	Na 589.592†	52951.2	51271.5	14.07	mg/L	14.07	mg/L	18:37:15
2	Sr 407.771†	23611.0	22623.0	0.0387	mg/L	0.0387	mg/L	18:37:15
2	Y 371.029	3248252.9	3248252.9	1.04	mg/L			18:37:43
2	Ag 328.068†	8940.9	6568.9	0.0406	mg/L	0.0406	mg/L	18:37:46
2	Al 237.313†	12228.0	11919.9	1.132	mg/L	1.132	mg/L	18:37:46
2	As 188.979†	16.2	7.7	0.0084	mg/L	0.0084	mg/L	18:37:56
2	B 182.528†	152.0	153.0	0.1780	mg/L	0.1780	mg/L	18:37:56
2	Ba 233.527†	8347.0	8102.7	0.0716	mg/L	0.0716	mg/L	18:37:56
2	Be 313.107†	-255.0	659.6	0.0004	mg/L	0.0004	mg/L	18:37:46
2	Ca 315.887†	1132428.7	1088722.0	7.731	mg/L	7.731	mg/L	18:37:43
2	Cd 228.802†	118.9	21.4	0.0005	mg/L	0.0005	mg/L	18:37:56
2	Co 228.616†	109.4	139.8	-0.0021	mg/L	-0.0021	mg/L	18:37:56
2	Cr 267.716†	14309.7	13140.9	0.1053	mg/L	0.1053	mg/L	18:37:46
2	Cu 324.752†	224786.6	214647.2	0.9470	mg/L	0.9470	mg/L	18:37:46
2	Fe 238.204†	237368.1	227662.5	1.442	mg/L	1.442	mg/L	18:37:46
2	Mg 279.077†	29469.7	28046.0	1.629	mg/L	1.629	mg/L	18:37:46
2	Mn 257.610†	21690.9	20326.5	0.0214	mg/L	0.0214	mg/L	18:37:46
2	Mo 202.031†	583.9	573.9	0.0215	mg/L	0.0215	mg/L	18:37:56
2	Ni 231.604†	3188.7	3060.3	0.0620	mg/L	0.0620	mg/L	18:37:56
2	P 214.914†	969.4	669.1	0.2719	mg/L	0.2719	mg/L	18:37:56
2	Pb 220.353†	3861.9	3704.3	0.2177	mg/L	0.2177	mg/L	18:37:56
2	Sb 206.836†	92.9	53.7	0.0283	mg/L	0.0283	mg/L	18:37:56
2	Se 196.026†	8.6	10.3	0.0092	mg/L	0.0092	mg/L	18:37:56
2	Sn 189.927†	158.6	155.4	0.0224	mg/L	0.0224	mg/L	18:37:56
2	Ti 337.279†	30362.7	30330.0	0.0375	mg/L	0.0375	mg/L	18:37:46
2	Tl 190.801†	8.2	0.2	-0.0067	mg/L	-0.0067	mg/L	18:37:56
2	V 292.402†	3848.1	4627.6	0.0238	mg/L	0.0238	mg/L	18:37:46
2	Zn 213.857†	40650.2	38049.1	0.2519	mg/L	0.2519	mg/L	18:37:46

Mean Data: 1210127-10 SPLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3228588.4	1.03	mg/L	0.009				0.86%
Ag 328.068†	6536.7	0.0404	mg/L	0.00028	0.0404	mg/L	0.00028	0.70%
Al 237.313†	12009.7	1.140	mg/L	0.0122	1.140	mg/L	0.0122	1.07%
As 188.979†	10.1	0.0103	mg/L	0.00269	0.0103	mg/L	0.00269	26.11%
B 182.528†	151.5	0.1764	mg/L	0.00235	0.1764	mg/L	0.00235	1.33%
B 249.677†	158.8	0.1877	mg/L	0.00227	0.1877	mg/L	0.00227	1.21%
Ba 233.527†	8136.4	0.0719	mg/L	0.00043	0.0719	mg/L	0.00043	0.60%
Be 313.107†	655.4	0.0004	mg/L	0.00000	0.0004	mg/L	0.00000	0.72%
Ca 315.887†	1089820.5	7.739	mg/L	0.0110	7.739	mg/L	0.0110	0.14%
Cd 228.802†	26.3	0.0006	mg/L	0.00017	0.0006	mg/L	0.00017	28.33%

Co 228.616†	148.0	-0.0020 mg/L	0.00020	-0.0020 mg/L	0.00020	10.22%
Cr 267.716†	13123.5	0.1052 mg/L	0.00020	0.1052 mg/L	0.00020	0.19%
Cu 324.752†	215593.2	0.9512 mg/L	0.00592	0.9512 mg/L	0.00592	0.62%
Fe 234.349†	921.7	1.448 mg/L	0.0161	1.448 mg/L	0.0161	1.11%
Fe 238.204†	228410.7	1.447 mg/L	0.0067	1.447 mg/L	0.0067	0.47%
K 766.490†	1668.0	1.288 mg/L	0.0205	1.288 mg/L	0.0205	1.59%
Li 670.784†	99.2	0.0068 mg/L	0.00140	0.0068 mg/L	0.00140	20.46%
Mg 279.077†	28166.5	1.637 mg/L	0.0101	1.637 mg/L	0.0101	0.62%
Mn 257.610†	20363.3	0.0215 mg/L	0.00006	0.0215 mg/L	0.00006	0.28%
Mo 202.031†	585.4	0.0219 mg/L	0.00062	0.0219 mg/L	0.00062	2.83%
Na 589.592†	51453.4	14.12 mg/L	0.071	14.12 mg/L	0.071	0.50%
Ni 231.604†	3068.9	0.0622 mg/L	0.00026	0.0622 mg/L	0.00026	0.42%
P 214.914†	666.8	0.2710 mg/L	0.00139	0.2710 mg/L	0.00139	0.51%
Pb 220.353†	3714.6	0.2183 mg/L	0.00087	0.2183 mg/L	0.00087	0.40%
Sb 206.836†	51.2	0.0269 mg/L	0.00200	0.0269 mg/L	0.00200	7.43%
Se 196.026†	10.5	0.0093 mg/L	0.00023	0.0093 mg/L	0.00023	2.51%
Sn 189.927†	156.6	0.0226 mg/L	0.00029	0.0226 mg/L	0.00029	1.26%
Sr 407.771†	22636.8	0.0387 mg/L	0.00003	0.0387 mg/L	0.00003	0.09%
Ti 337.279†	30510.0	0.0377 mg/L	0.00030	0.0377 mg/L	0.00030	0.81%
Tl 190.801†	1.3	-0.0061 mg/L	0.00081	-0.0061 mg/L	0.00081	13.17%
V 292.402†	4619.1	0.0237 mg/L	0.00006	0.0237 mg/L	0.00006	0.23%
Zn 213.857†	38164.4	0.2526 mg/L	0.00109	0.2526 mg/L	0.00109	0.43%

Sequence No.: 30
Sample ID: CJ21017-DUP1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 10/11/2012 6:39:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	172.7	162.0	0.1915	mg/L	0.1915	mg/L	18:41:24
1	Fe 234.349†	986.1	938.8	1.474	mg/L	1.474	mg/L	18:41:24
1	K 766.490†	1992.8	1598.3	1.236	mg/L	1.236	mg/L	18:41:14
1	Li 670.784†	-182.1	15.4	0.0020	mg/L	0.0020	mg/L	18:41:14
1	Na 589.592†	53582.3	51528.4	14.14	mg/L	14.14	mg/L	18:41:14
1	Sr 407.771†	23735.7	22587.7	0.0386	mg/L	0.0386	mg/L	18:41:14
1	Y 371.029	3270477.8	3270477.8	1.05	mg/L			18:41:41
1	Ag 328.068†	8981.8	6549.5	0.0405	mg/L	0.0405	mg/L	18:41:43
1	Al 237.313†	12349.5	11956.0	1.135	mg/L	1.135	mg/L	18:41:43
1	As 188.979†	13.6	5.2	0.0065	mg/L	0.0065	mg/L	18:41:53
1	B 182.528†	151.7	151.7	0.1766	mg/L	0.1766	mg/L	18:41:53
1	Ba 233.527†	8600.5	8290.5	0.0733	mg/L	0.0733	mg/L	18:41:53
1	Be 313.107†	-280.1	637.2	0.0004	mg/L	0.0004	mg/L	18:41:43
1	Ca 315.887†	1186935.0	1133432.9	8.049	mg/L	8.049	mg/L	18:41:41
1	Cd 228.802†	139.2	40.1	0.0010	mg/L	0.0010	mg/L	18:41:53
1	Co 228.616†	118.4	147.7	-0.0020	mg/L	-0.0020	mg/L	18:41:53
1	Cr 267.716†	14486.8	13216.6	0.1060	mg/L	0.1060	mg/L	18:41:43
1	Cu 324.752†	229532.4	217714.7	0.9606	mg/L	0.9606	mg/L	18:41:43
1	Fe 238.204†	241977.6	230517.3	1.460	mg/L	1.460	mg/L	18:41:43
1	Mg 279.077†	30268.1	28616.6	1.663	mg/L	1.663	mg/L	18:41:43
1	Mn 257.610†	22293.1	20760.4	0.0219	mg/L	0.0219	mg/L	18:41:43
1	Mo 202.031†	606.1	591.3	0.0221	mg/L	0.0221	mg/L	18:41:53
1	Ni 231.604†	3303.6	3149.2	0.0639	mg/L	0.0639	mg/L	18:41:53
1	P 214.914†	975.2	668.3	0.2714	mg/L	0.2714	mg/L	18:41:53
1	Pb 220.353†	3959.5	3772.3	0.2218	mg/L	0.2218	mg/L	18:41:53
1	Sb 206.836†	86.7	47.2	0.0246	mg/L	0.0246	mg/L	18:41:53
1	Se 196.026†	4.7	6.4	0.0067	mg/L	0.0067	mg/L	18:41:53
1	Sn 189.927†	162.8	158.3	0.0229	mg/L	0.0229	mg/L	18:41:53
1	Ti 337.279†	31513.9	31232.1	0.0386	mg/L	0.0386	mg/L	18:41:43
1	Tl 190.801†	11.1	2.9	-0.0053	mg/L	-0.0053	mg/L	18:41:53
1	V 292.402†	4014.7	4761.8	0.0244	mg/L	0.0244	mg/L	18:41:43
1	Zn 213.857†	41114.2	38226.9	0.2530	mg/L	0.2530	mg/L	18:41:43
2	B 249.677†	166.3	157.4	0.1861	mg/L	0.1861	mg/L	18:41:37
2	Fe 234.349†	976.5	938.5	1.474	mg/L	1.474	mg/L	18:41:37
2	K 766.490†	2109.1	1729.1	1.334	mg/L	1.334	mg/L	18:41:27
2	Li 670.784†	-183.3	12.6	0.0019	mg/L	0.0019	mg/L	18:41:27
2	Na 589.592†	53912.8	52343.8	14.37	mg/L	14.37	mg/L	18:41:27
2	Sr 407.771†	23926.8	22992.0	0.0393	mg/L	0.0393	mg/L	18:41:27
2	Y 371.029	3239108.3	3239108.3	1.04	mg/L			18:41:55

2	Ag	328.068†	9183.4	6827.3	0.0422	mg/L	0.0422	mg/L	18:41:58
2	Al	237.313†	12585.5	12298.3	1.168	mg/L	1.168	mg/L	18:41:58
2	As	188.979†	15.4	7.0	0.0079	mg/L	0.0079	mg/L	18:42:08
2	B	182.528†	152.7	154.1	0.1793	mg/L	0.1793	mg/L	18:42:08
2	Ba	233.527†	8651.0	8418.9	0.0744	mg/L	0.0744	mg/L	18:42:08
2	Be	313.107†	-342.3	574.6	0.0004	mg/L	0.0004	mg/L	18:41:58
2	Ca	315.887†	1168377.4	1126507.7	8.000	mg/L	8.000	mg/L	18:41:55
2	Cd	228.802†	130.5	33.0	0.0008	mg/L	0.0008	mg/L	18:42:08
2	Co	228.616†	105.7	136.5	-0.0022	mg/L	-0.0022	mg/L	18:42:08
2	Cr	267.716†	14991.0	13837.5	0.1110	mg/L	0.1110	mg/L	18:41:58
2	Cu	324.752†	233122.6	223306.4	0.9853	mg/L	0.9853	mg/L	18:41:58
2	Fe	238.204†	245753.4	236403.6	1.498	mg/L	1.498	mg/L	18:41:58
2	Mg	279.077†	30730.2	29343.1	1.706	mg/L	1.706	mg/L	18:41:58
2	Mn	257.610†	22482.7	21149.9	0.0224	mg/L	0.0224	mg/L	18:41:58
2	Mo	202.031†	642.9	632.5	0.0237	mg/L	0.0237	mg/L	18:42:08
2	Ni	231.604†	3308.8	3184.9	0.0647	mg/L	0.0647	mg/L	18:42:08
2	P	214.914†	969.5	671.8	0.2724	mg/L	0.2724	mg/L	18:42:08
2	Pb	220.353†	3986.6	3835.3	0.2255	mg/L	0.2255	mg/L	18:42:08
2	Sb	206.836†	89.9	51.1	0.0268	mg/L	0.0268	mg/L	18:42:08
2	Se	196.026†	-3.2	-1.1	0.0020	mg/L	0.0020	mg/L	18:42:08
2	Sn	189.927†	176.9	173.5	0.0249	mg/L	0.0249	mg/L	18:42:08
2	Ti	337.279†	33341.8	33288.7	0.0410	mg/L	0.0410	mg/L	18:41:58
2	Tl	190.801†	14.2	6.0	-0.0035	mg/L	-0.0035	mg/L	18:42:08
2	V	292.402†	4184.0	4962.4	0.0253	mg/L	0.0253	mg/L	18:41:58
2	Zn	213.857†	41546.7	39025.2	0.2584	mg/L	0.2584	mg/L	18:41:58

Mean Data: CJ21017-DUP1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3254793.1	1.04 mg/L	0.007			0.68%
Ag 328.068†	6688.4	0.0413 mg/L	0.00122	0.0413 mg/L	0.00122	2.95%
Al 237.313†	12127.2	1.152 mg/L	0.0233	1.152 mg/L	0.0233	2.03%
As 188.979†	6.1	0.0072 mg/L	0.00100	0.0072 mg/L	0.00100	13.89%
B 182.528†	152.9	0.1779 mg/L	0.00195	0.1779 mg/L	0.00195	1.10%
B 249.677†	159.7	0.1888 mg/L	0.00380	0.1888 mg/L	0.00380	2.01%
Ba 233.527†	8354.7	0.0739 mg/L	0.00082	0.0739 mg/L	0.00082	1.11%
Be 313.107†	605.9	0.0004 mg/L	0.00002	0.0004 mg/L	0.00002	5.55%
Ca 315.887†	1129970.3	8.025 mg/L	0.0348	8.025 mg/L	0.0348	0.43%
Cd 228.802†	36.5	0.0009 mg/L	0.00014	0.0009 mg/L	0.00014	15.28%
Co 228.616†	142.1	-0.0021 mg/L	0.00014	-0.0021 mg/L	0.00014	6.76%
Cr 267.716†	13527.1	0.1085 mg/L	0.00354	0.1085 mg/L	0.00354	3.26%
Cu 324.752†	220510.5	0.9730 mg/L	0.01748	0.9730 mg/L	0.01748	1.80%
Fe 234.349†	938.6	1.474 mg/L	0.0002	1.474 mg/L	0.0002	0.01%
Fe 238.204†	233460.4	1.479 mg/L	0.0265	1.479 mg/L	0.0265	1.79%
K 766.490†	1663.7	1.285 mg/L	0.0689	1.285 mg/L	0.0689	5.37%
Li 670.784†	14.0	0.0019 mg/L	0.00011	0.0019 mg/L	0.00011	5.88%
Mg 279.077†	28979.9	1.685 mg/L	0.0303	1.685 mg/L	0.0303	1.80%
Mn 257.610†	20955.1	0.0222 mg/L	0.00032	0.0222 mg/L	0.00032	1.44%
Mo 202.031†	611.9	0.0229 mg/L	0.00111	0.0229 mg/L	0.00111	4.87%
Na 589.592†	51936.1	14.25 mg/L	0.159	14.25 mg/L	0.159	1.12%
Ni 231.604†	3167.1	0.0643 mg/L	0.00054	0.0643 mg/L	0.00054	0.83%
P 214.914†	670.0	0.2719 mg/L	0.00069	0.2719 mg/L	0.00069	0.25%
Pb 220.353†	3803.8	0.2236 mg/L	0.00264	0.2236 mg/L	0.00264	1.18%
Sb 206.836†	49.1	0.0257 mg/L	0.00156	0.0257 mg/L	0.00156	6.09%
Se 196.026†	2.7	0.0044 mg/L	0.00337	0.0044 mg/L	0.00337	77.37%
Sn 189.927†	165.9	0.0239 mg/L	0.00140	0.0239 mg/L	0.00140	5.87%
Sr 407.771†	22789.9	0.0390 mg/L	0.00049	0.0390 mg/L	0.00049	1.25%
Ti 337.279†	32260.4	0.0398 mg/L	0.00174	0.0398 mg/L	0.00174	4.37%
Tl 190.801†	4.4	-0.0044 mg/L	0.00124	-0.0044 mg/L	0.00124	28.21%
V 292.402†	4862.1	0.0249 mg/L	0.00068	0.0249 mg/L	0.00068	2.73%
Zn 213.857†	38626.0	0.2557 mg/L	0.00378	0.2557 mg/L	0.00378	1.48%

Sequence No.: 31
Sample ID: CJ21017-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 10/11/2012 6:43:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-MS1

Net	Corrected	Calib.	Sample	Analysis
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Repl#	Analyte	Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	630.4	613.9	0.7212 mg/L	0.7212 mg/L	18:45:39
1	Fe 234.349†	2670.4	2609.3	4.100 mg/L	4.100 mg/L	18:45:39
1	K 766.490†	37205.4	36106.5	26.95 mg/L	26.95 mg/L	18:45:29
1	Li 670.784†	9295.8	9287.6	0.5349 mg/L	0.5349 mg/L	18:45:39
1	Na 589.592†	147912.3	145057.1	39.95 mg/L	39.95 mg/L	18:45:29
1	Sr 407.771†	52926.5	51691.5	0.0884 mg/L	0.0884 mg/L	18:45:29
1	Y 371.029	3195280.0	3195280.0	1.02 mg/L	1.02 mg/L	18:45:57
1	Ag 328.068†	51298.2	48167.0	0.2989 mg/L	0.2989 mg/L	18:45:57
1	Al 237.313†	38564.7	37891.3	3.638 mg/L	3.638 mg/L	18:45:57
1	As 188.979†	675.5	653.2	0.5130 mg/L	0.5130 mg/L	18:46:08
1	B 182.528†	628.1	621.4	0.7177 mg/L	0.7177 mg/L	18:46:08
1	Ba 233.527†	67164.5	65801.9	0.5923 mg/L	0.5923 mg/L	18:45:57
1	Be 313.107†	109913.2	108479.5	0.0524 mg/L	0.0524 mg/L	18:45:57
1	Ca 315.887†	1860385.3	1819263.9	12.93 mg/L	12.93 mg/L	18:45:57
1	Cd 228.802†	9829.9	9527.7	0.2502 mg/L	0.2502 mg/L	18:46:08
1	Co 228.616†	30767.2	30147.0	0.5202 mg/L	0.5202 mg/L	18:46:08
1	Cr 267.716†	79733.2	77400.6	0.6236 mg/L	0.6236 mg/L	18:45:57
1	Cu 324.752†	341466.6	332432.4	1.468 mg/L	1.468 mg/L	18:45:57
1	Fe 238.204†	658746.1	643863.1	4.096 mg/L	4.096 mg/L	18:45:57
1	Mg 279.077†	117251.0	114429.9	6.734 mg/L	6.734 mg/L	18:45:57
1	Mn 257.610†	474635.2	463979.2	0.5366 mg/L	0.5366 mg/L	18:45:57
1	Mo 202.031†	13935.9	13651.1	0.5265 mg/L	0.5265 mg/L	18:46:08
1	Ni 231.604†	28191.8	27582.3	0.5814 mg/L	0.5814 mg/L	18:45:57
1	P 214.914†	13806.3	13248.3	5.359 mg/L	5.359 mg/L	18:46:08
1	Pb 220.353†	12585.8	12304.2	0.7305 mg/L	0.7305 mg/L	18:46:08
1	Sb 206.836†	1007.9	950.8	0.5348 mg/L	0.5348 mg/L	18:46:08
1	Se 196.026†	1618.8	1586.3	1.009 mg/L	1.009 mg/L	18:46:08
1	Sn 189.927†	4246.9	4159.2	0.5564 mg/L	0.5564 mg/L	18:46:08
1	Ti 337.279†	473845.9	464861.3	0.5575 mg/L	0.5575 mg/L	18:45:57
1	Tl 190.801†	969.8	941.5	0.5084 mg/L	0.5084 mg/L	18:46:08
1	V 292.402†	117703.9	116122.2	0.5408 mg/L	0.5408 mg/L	18:45:57
1	Zn 213.857†	118050.7	114451.5	0.7648 mg/L	0.7648 mg/L	18:45:57
2	B 249.677†	629.9	609.0	0.7154 mg/L	0.7154 mg/L	18:45:52
2	Fe 234.349†	2652.1	2573.1	4.043 mg/L	4.043 mg/L	18:45:52
2	K 766.490†	37817.4	36443.9	27.21 mg/L	27.21 mg/L	18:45:42
2	Li 670.784†	9336.5	9262.9	0.5335 mg/L	0.5335 mg/L	18:45:52
2	Na 589.592†	150538.5	146586.1	40.37 mg/L	40.37 mg/L	18:45:42
2	Sr 407.771†	53585.5	51965.8	0.0889 mg/L	0.0889 mg/L	18:45:42
2	Y 371.029	3218024.1	3218024.1	1.03 mg/L	1.03 mg/L	18:46:11
2	Ag 328.068†	51259.1	47774.8	0.2965 mg/L	0.2965 mg/L	18:46:11
2	Al 237.313†	38815.5	37868.3	3.636 mg/L	3.636 mg/L	18:46:11
2	As 188.979†	692.7	665.3	0.5224 mg/L	0.5224 mg/L	18:46:22
2	B 182.528†	637.9	626.6	0.7237 mg/L	0.7237 mg/L	18:46:22
2	Ba 233.527†	67120.2	65294.2	0.5877 mg/L	0.5877 mg/L	18:46:11
2	Be 313.107†	109716.0	107527.6	0.0519 mg/L	0.0519 mg/L	18:46:11
2	Ca 315.887†	1861131.4	1807120.0	12.84 mg/L	12.84 mg/L	18:46:11
2	Cd 228.802†	10061.6	9684.9	0.2543 mg/L	0.2543 mg/L	18:46:22
2	Co 228.616†	31514.0	30660.0	0.5292 mg/L	0.5292 mg/L	18:46:22
2	Cr 267.716†	79836.5	76949.5	0.6200 mg/L	0.6200 mg/L	18:46:11
2	Cu 324.752†	341659.9	330258.2	1.459 mg/L	1.459 mg/L	18:46:11
2	Fe 238.204†	658884.0	639440.3	4.068 mg/L	4.068 mg/L	18:46:11
2	Mg 279.077†	117444.3	113806.6	6.697 mg/L	6.697 mg/L	18:46:11
2	Mn 257.610†	474586.4	460648.6	0.5327 mg/L	0.5327 mg/L	18:46:11
2	Mo 202.031†	14273.4	13882.7	0.5355 mg/L	0.5355 mg/L	18:46:22
2	Ni 231.604†	28136.6	27333.6	0.5762 mg/L	0.5762 mg/L	18:46:11
2	P 214.914†	14103.1	13441.2	5.437 mg/L	5.437 mg/L	18:46:22
2	Pb 220.353†	12877.4	12500.5	0.7422 mg/L	0.7422 mg/L	18:46:22
2	Sb 206.836†	1033.8	968.9	0.5451 mg/L	0.5451 mg/L	18:46:22
2	Se 196.026†	1660.1	1615.2	1.027 mg/L	1.027 mg/L	18:46:22
2	Sn 189.927†	4351.9	4231.9	0.5657 mg/L	0.5657 mg/L	18:46:22
2	Ti 337.279†	474067.9	461799.3	0.5538 mg/L	0.5538 mg/L	18:46:11
2	Tl 190.801†	995.5	959.7	0.5185 mg/L	0.5185 mg/L	18:46:22
2	V 292.402†	117735.4	115338.7	0.5372 mg/L	0.5372 mg/L	18:46:11
2	Zn 213.857†	118079.1	113662.5	0.7595 mg/L	0.7595 mg/L	18:46:11

Mean Data: CJ21017-MS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3206652.1	1.03 mg/L	0.005			0.50%
Ag 328.068†	47971.2	0.2977 mg/L	0.00173	0.2977 mg/L	0.00173	0.58%
Al 237.313†	37879.8	3.637 mg/L	0.0016	3.637 mg/L	0.0016	0.04%

As	188.979†	659.3	0.5177 mg/L	0.00664	0.5177 mg/L	0.00664	1.28%
B	182.528†	624.0	0.7207 mg/L	0.00424	0.7207 mg/L	0.00424	0.59%
B	249.677†	611.4	0.7183 mg/L	0.00405	0.7183 mg/L	0.00405	0.56%
Ba	233.527†	65548.0	0.5900 mg/L	0.00324	0.5900 mg/L	0.00324	0.55%
Be	313.107†	108003.6	0.0522 mg/L	0.00032	0.0522 mg/L	0.00032	0.62%
Ca	315.887†	1813192.0	12.89 mg/L	0.061	12.89 mg/L	0.061	0.47%
Cd	228.802†	9606.3	0.2523 mg/L	0.00292	0.2523 mg/L	0.00292	1.16%
Co	228.616†	30403.5	0.5247 mg/L	0.00633	0.5247 mg/L	0.00633	1.21%
Cr	267.716†	77175.1	0.6218 mg/L	0.00256	0.6218 mg/L	0.00256	0.41%
Cu	324.752†	331345.3	1.463 mg/L	0.0068	1.463 mg/L	0.0068	0.46%
Fe	234.349†	2591.2	4.071 mg/L	0.0403	4.071 mg/L	0.0403	0.99%
Fe	238.204†	641651.7	4.082 mg/L	0.0199	4.082 mg/L	0.0199	0.49%
K	766.490†	36275.2	27.08 mg/L	0.178	27.08 mg/L	0.178	0.66%
Li	670.784†	9275.2	0.5342 mg/L	0.00100	0.5342 mg/L	0.00100	0.19%
Mg	279.077†	114118.2	6.715 mg/L	0.0260	6.715 mg/L	0.0260	0.39%
Mn	257.610†	462313.9	0.5346 mg/L	0.00273	0.5346 mg/L	0.00273	0.51%
Mo	202.031†	13766.9	0.5310 mg/L	0.00636	0.5310 mg/L	0.00636	1.20%
Na	589.592†	145821.6	40.16 mg/L	0.298	40.16 mg/L	0.298	0.74%
Ni	231.604†	27457.9	0.5788 mg/L	0.00371	0.5788 mg/L	0.00371	0.64%
P	214.914†	13344.8	5.398 mg/L	0.0552	5.398 mg/L	0.0552	1.02%
Pb	220.353†	12402.4	0.7364 mg/L	0.00831	0.7364 mg/L	0.00831	1.13%
Sb	206.836†	959.8	0.5400 mg/L	0.00727	0.5400 mg/L	0.00727	1.35%
Se	196.026†	1600.8	1.018 mg/L	0.0129	1.018 mg/L	0.0129	1.27%
Sn	189.927†	4195.5	0.5611 mg/L	0.00663	0.5611 mg/L	0.00663	1.18%
Sr	407.771†	51828.7	0.0886 mg/L	0.00033	0.0886 mg/L	0.00033	0.37%
Ti	337.279†	463330.3	0.5556 mg/L	0.00259	0.5556 mg/L	0.00259	0.47%
Tl	190.801†	950.6	0.5135 mg/L	0.00714	0.5135 mg/L	0.00714	1.39%
V	292.402†	115730.5	0.5390 mg/L	0.00250	0.5390 mg/L	0.00250	0.46%
Zn	213.857†	114057.0	0.7622 mg/L	0.00374	0.7622 mg/L	0.00374	0.49%

Sequence No.: 32
Sample ID: CJ21017-SD1 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 10/11/2012 6:48:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Analysis Time
1	B 249.677†	54.1	47.5	0.0570	mg/L	0.0570 mg/L	18:49:54
1	Fe 234.349†	304.0	280.3	0.4413	mg/L	0.4413 mg/L	18:49:54
1	K 766.490†	803.5	444.9	0.3764	mg/L	0.3764 mg/L	18:49:44
1	Li 670.784†	-147.2	51.8	0.0041	mg/L	0.0041 mg/L	18:49:44
1	Na 589.592†	15763.5	15048.1	4.074	mg/L	4.074 mg/L	18:49:44
1	Sr 407.771†	7081.9	6520.4	0.0112	mg/L	0.0112 mg/L	18:49:44
1	Y 371.029	3340808.8	3340808.8	1.07	mg/L		18:50:11
1	Ag 328.068†	3811.6	1529.0	0.0093	mg/L	0.0093 mg/L	18:50:13
1	Al 237.313†	3255.4	3194.6	0.2911	mg/L	0.2911 mg/L	18:50:13
1	As 188.979†	10.9	2.3	0.0038	mg/L	0.0038 mg/L	18:50:23
1	B 182.528†	32.7	37.3	0.0447	mg/L	0.0447 mg/L	18:50:23
1	Ba 233.527†	2108.9	2040.6	0.0169	mg/L	0.0169 mg/L	18:50:23
1	Be 313.107†	-644.1	302.2	0.0002	mg/L	0.0002 mg/L	18:50:13
1	Ca 315.887†	301437.7	280636.3	1.983	mg/L	1.983 mg/L	18:50:11
1	Cd 228.802†	104.2	4.6	0.0001	mg/L	0.0001 mg/L	18:50:23
1	Co 228.616†	21.5	54.6	-0.0036	mg/L	-0.0036 mg/L	18:50:23
1	Cr 267.716†	4388.9	3472.5	0.0274	mg/L	0.0274 mg/L	18:50:13
1	Cu 324.752†	60053.0	54446.4	0.2387	mg/L	0.2387 mg/L	18:50:13
1	Fe 238.204†	64836.5	59826.5	0.3722	mg/L	0.3722 mg/L	18:50:13
1	Mg 279.077†	8177.6	7328.7	0.4056	mg/L	0.4056 mg/L	18:50:13
1	Mn 257.610†	10086.5	8885.2	0.0082	mg/L	0.0082 mg/L	18:50:13
1	Mo 202.031†	158.1	159.8	0.0062	mg/L	0.0062 mg/L	18:50:23
1	Ni 231.604†	886.6	820.3	0.0147	mg/L	0.0147 mg/L	18:50:13
1	P 214.914†	435.6	143.6	0.0702	mg/L	0.0702 mg/L	18:50:23
1	Pb 220.353†	1013.3	934.8	0.0530	mg/L	0.0530 mg/L	18:50:23
1	Sb 206.836†	51.4	12.4	0.0054	mg/L	0.0054 mg/L	18:50:23
1	Se 196.026†	1.7	3.5	0.0045	mg/L	0.0045 mg/L	18:50:23
1	Sn 189.927†	40.4	40.4	0.0044	mg/L	0.0044 mg/L	18:50:23
1	Ti 337.279†	7336.9	7965.9	0.0107	mg/L	0.0107 mg/L	18:50:13
1	Tl 190.801†	8.1	-0.1	-0.0062	mg/L	-0.0062 mg/L	18:50:23
1	V 292.402†	295.3	1199.3	0.0077	mg/L	0.0077 mg/L	18:50:13
1	Zn 213.857†	12941.4	11027.0	0.0707	mg/L	0.0707 mg/L	18:50:13

2	B 249.677†	53.0	46.6	0.0559 mg/L	0.0559 mg/L	18:50:07
2	Fe 234.349†	270.2	249.3	0.3924 mg/L	0.3924 mg/L	18:50:07
2	K 766.490†	766.0	411.3	0.3514 mg/L	0.3514 mg/L	18:49:57
2	Li 670.784†	-142.7	55.7	0.0043 mg/L	0.0043 mg/L	18:49:57
2	Na 589.592†	15226.8	14576.3	3.944 mg/L	3.944 mg/L	18:49:57
2	Sr 407.771†	6954.8	6415.5	0.0110 mg/L	0.0110 mg/L	18:49:57
2	Y 371.029	3333639.1	3333639.1	1.07 mg/L		18:50:25
2	Ag 328.068†	3830.7	1554.5	0.0094 mg/L	0.0094 mg/L	18:50:28
2	Al 237.313†	3050.5	3008.9	0.2732 mg/L	0.2732 mg/L	18:50:28
2	As 188.979†	13.0	4.4	0.0054 mg/L	0.0054 mg/L	18:50:38
2	B 182.528†	27.3	32.3	0.0390 mg/L	0.0390 mg/L	18:50:38
2	Ba 233.527†	1933.3	1880.2	0.0154 mg/L	0.0154 mg/L	18:50:38
2	Be 313.107†	-685.5	262.0	0.0002 mg/L	0.0002 mg/L	18:50:28
2	Ca 315.887†	281134.0	262196.2	1.852 mg/L	1.852 mg/L	18:50:25
2	Cd 228.802†	105.6	6.1	0.0001 mg/L	0.0001 mg/L	18:50:38
2	Co 228.616†	20.0	53.2	-0.0036 mg/L	-0.0036 mg/L	18:50:38
2	Cr 267.716†	4103.8	3213.9	0.0254 mg/L	0.0254 mg/L	18:50:28
2	Cu 324.752†	55899.5	50670.9	0.2220 mg/L	0.2220 mg/L	18:50:28
2	Fe 238.204†	60473.6	55864.2	0.3470 mg/L	0.3470 mg/L	18:50:28
2	Mg 279.077†	7730.3	6925.5	0.3818 mg/L	0.3818 mg/L	18:50:28
2	Mn 257.610†	9768.1	8606.8	0.0078 mg/L	0.0078 mg/L	18:50:28
2	Mo 202.031†	137.7	140.9	0.0055 mg/L	0.0055 mg/L	18:50:38
2	Ni 231.604†	872.6	808.9	0.0144 mg/L	0.0144 mg/L	18:50:28
2	P 214.914†	438.8	147.5	0.0720 mg/L	0.0720 mg/L	18:50:38
2	Pb 220.353†	959.4	886.2	0.0501 mg/L	0.0501 mg/L	18:50:38
2	Sb 206.836†	57.3	18.1	0.0086 mg/L	0.0086 mg/L	18:50:38
2	Se 196.026†	9.0	10.4	0.0088 mg/L	0.0088 mg/L	18:50:38
2	Sn 189.927†	47.4	47.2	0.0051 mg/L	0.0051 mg/L	18:50:38
2	Ti 337.279†	6894.8	7565.9	0.0102 mg/L	0.0102 mg/L	18:50:28
2	Tl 190.801†	10.5	2.2	-0.0050 mg/L	-0.0050 mg/L	18:50:38
2	V 292.402†	374.6	1274.3	0.0080 mg/L	0.0080 mg/L	18:50:28
2	Zn 213.857†	12270.9	10424.1	0.0666 mg/L	0.0666 mg/L	18:50:28

Mean Data: CJ21017-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	3337223.9	1.07	mg/L	0.002			0.15%
Ag 328.068†	1541.8	0.0093	mg/L	0.00011	0.0093 mg/L	0.00011	1.17%
Al 237.313†	3101.8	0.2821	mg/L	0.01265	0.2821 mg/L	0.01265	4.48%
As 188.979†	3.3	0.0046	mg/L	0.00111	0.0046 mg/L	0.00111	24.16%
B 182.528†	34.8	0.0418	mg/L	0.00402	0.0418 mg/L	0.00402	9.62%
B 249.677†	47.0	0.0564	mg/L	0.00077	0.0564 mg/L	0.00077	1.36%
Ba 233.527†	1960.4	0.0161	mg/L	0.00102	0.0161 mg/L	0.00102	6.35%
Be 313.107†	282.1	0.0002	mg/L	0.00001	0.0002 mg/L	0.00001	6.47%
Ca 315.887†	271416.3	1.917	mg/L	0.0928	1.917 mg/L	0.0928	4.84%
Cd 228.802†	5.3	0.0001	mg/L	0.00002	0.0001 mg/L	0.00002	31.65%
Co 228.616†	53.9	-0.0036	mg/L	0.00002	-0.0036 mg/L	0.00002	0.47%
Cr 267.716†	3343.2	0.0264	mg/L	0.00147	0.0264 mg/L	0.00147	5.58%
Cu 324.752†	52558.7	0.2304	mg/L	0.01180	0.2304 mg/L	0.01180	5.12%
Fe 234.349†	264.8	0.4169	mg/L	0.03455	0.4169 mg/L	0.03455	8.29%
Fe 238.204†	57845.3	0.3596	mg/L	0.01786	0.3596 mg/L	0.01786	4.97%
K 766.490†	428.1	0.3639	mg/L	0.01769	0.3639 mg/L	0.01769	4.86%
Li 670.784†	53.8	0.0042	mg/L	0.00016	0.0042 mg/L	0.00016	3.80%
Mg 279.077†	7127.1	0.3937	mg/L	0.01684	0.3937 mg/L	0.01684	4.28%
Mn 257.610†	8746.0	0.0080	mg/L	0.00023	0.0080 mg/L	0.00023	2.86%
Mo 202.031†	150.4	0.0059	mg/L	0.00050	0.0059 mg/L	0.00050	8.44%
Na 589.592†	14812.2	4.009	mg/L	0.0921	4.009 mg/L	0.0921	2.30%
Ni 231.604†	814.6	0.0145	mg/L	0.00017	0.0145 mg/L	0.00017	1.18%
P 214.914†	145.5	0.0711	mg/L	0.00126	0.0711 mg/L	0.00126	1.77%
Pb 220.353†	910.5	0.0515	mg/L	0.00204	0.0515 mg/L	0.00204	3.96%
Sb 206.836†	15.2	0.0070	mg/L	0.00230	0.0070 mg/L	0.00230	32.95%
Se 196.026†	7.0	0.0066	mg/L	0.00307	0.0066 mg/L	0.00307	46.32%
Sn 189.927†	43.8	0.0048	mg/L	0.00052	0.0048 mg/L	0.00052	11.02%
Sr 407.771†	6468.0	0.0111	mg/L	0.00013	0.0111 mg/L	0.00013	1.15%
Ti 337.279†	7765.9	0.0105	mg/L	0.00034	0.0105 mg/L	0.00034	3.23%
Tl 190.801†	1.0	-0.0056	mg/L	0.00090	-0.0056 mg/L	0.00090	16.04%
V 292.402†	1236.8	0.0078	mg/L	0.00024	0.0078 mg/L	0.00024	3.03%
Zn 213.857†	10725.5	0.0686	mg/L	0.00286	0.0686 mg/L	0.00286	4.17%

Sequence No.: 33

Sample ID: CJ21017-PDS1

Autosampler Location: 35

Date Collected: 10/11/2012 6:52:17 PM

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Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	653.6	631.6	0.7421	mg/L	0.7421	mg/L	18:54:11
1	Fe 234.349†	2804.6	2719.6	4.274	mg/L	4.274	mg/L	18:54:11
1	K 766.490†	37777.6	36383.2	27.16	mg/L	27.16	mg/L	18:54:01
1	Li 670.784†	9575.7	9489.7	0.5465	mg/L	0.5465	mg/L	18:54:11
1	Na 589.592†	150071.0	146044.1	40.22	mg/L	40.22	mg/L	18:54:01
1	Sr 407.771†	55011.9	53319.9	0.0912	mg/L	0.0912	mg/L	18:54:01
1	Y 371.029	3219958.9	3219958.9	1.03	mg/L			18:54:29
1	Ag 328.068†	51614.0	48089.6	0.2985	mg/L	0.2985	mg/L	18:54:29
1	Al 237.313†	40313.1	39300.2	3.774	mg/L	3.774	mg/L	18:54:29
1	As 188.979†	673.7	646.4	0.5078	mg/L	0.5078	mg/L	18:54:40
1	B 182.528†	622.0	610.8	0.7055	mg/L	0.7055	mg/L	18:54:40
1	Ba 233.527†	67736.7	65853.8	0.5928	mg/L	0.5928	mg/L	18:54:29
1	Be 313.107†	111527.1	109222.5	0.0528	mg/L	0.0528	mg/L	18:54:29
1	Ca 315.887†	1871628.2	1816227.9	12.91	mg/L	12.91	mg/L	18:54:29
1	Cd 228.802†	9834.2	9458.2	0.2484	mg/L	0.2484	mg/L	18:54:40
1	Co 228.616†	30817.7	29965.2	0.5171	mg/L	0.5171	mg/L	18:54:40
1	Cr 267.716†	80942.3	77976.9	0.6283	mg/L	0.6283	mg/L	18:54:29
1	Cu 324.752†	345680.7	333963.7	1.475	mg/L	1.475	mg/L	18:54:29
1	Fe 238.204†	655040.4	635322.5	4.042	mg/L	4.042	mg/L	18:54:29
1	Mg 279.077†	118960.0	115210.1	6.780	mg/L	6.780	mg/L	18:54:29
1	Mn 257.610†	477890.1	463580.0	0.5361	mg/L	0.5361	mg/L	18:54:29
1	Mo 202.031†	13870.1	13482.7	0.5199	mg/L	0.5199	mg/L	18:54:40
1	Ni 231.604†	28537.1	27706.2	0.5841	mg/L	0.5841	mg/L	18:54:29
1	P 214.914†	13947.6	13281.9	5.373	mg/L	5.373	mg/L	18:54:40
1	Pb 220.353†	12673.7	12295.2	0.7299	mg/L	0.7299	mg/L	18:54:40
1	Sb 206.836†	1031.7	966.3	0.5435	mg/L	0.5435	mg/L	18:54:40
1	Se 196.026†	1662.8	1616.9	1.028	mg/L	1.028	mg/L	18:54:40
1	Sn 189.927†	4255.5	4135.7	0.5538	mg/L	0.5538	mg/L	18:54:40
1	Ti 337.279†	477674.9	465025.6	0.5577	mg/L	0.5577	mg/L	18:54:29
1	Tl 190.801†	979.3	943.4	0.5094	mg/L	0.5094	mg/L	18:54:40
1	V 292.402†	117558.6	115098.2	0.5360	mg/L	0.5360	mg/L	18:54:29
1	Zn 213.857†	120703.2	116142.1	0.7762	mg/L	0.7762	mg/L	18:54:29
2	B 249.677†	658.7	639.5	0.7514	mg/L	0.7514	mg/L	18:54:24
2	Fe 234.349†	2845.9	2772.4	4.357	mg/L	4.357	mg/L	18:54:24
2	K 766.490†	38040.3	36807.9	27.48	mg/L	27.48	mg/L	18:54:14
2	Li 670.784†	9666.6	9621.1	0.5541	mg/L	0.5541	mg/L	18:54:24
2	Na 589.592†	150356.1	146991.2	40.49	mg/L	40.49	mg/L	18:54:14
2	Sr 407.771†	55185.8	53734.7	0.0919	mg/L	0.0919	mg/L	18:54:14
2	Y 371.029	3205251.0	3205251.0	1.02	mg/L			18:54:43
2	Ag 328.068†	51419.3	48129.6	0.2987	mg/L	0.2987	mg/L	18:54:43
2	Al 237.313†	39936.7	39112.5	3.756	mg/L	3.756	mg/L	18:54:43
2	As 188.979†	680.8	656.4	0.5156	mg/L	0.5156	mg/L	18:54:54
2	B 182.528†	620.2	611.8	0.7067	mg/L	0.7067	mg/L	18:54:54
2	Ba 233.527†	67575.8	65998.7	0.5941	mg/L	0.5941	mg/L	18:54:43
2	Be 313.107†	110713.2	108925.4	0.0526	mg/L	0.0526	mg/L	18:54:43
2	Ca 315.887†	1861637.8	1814821.7	12.90	mg/L	12.90	mg/L	18:54:43
2	Cd 228.802†	9825.6	9493.6	0.2493	mg/L	0.2493	mg/L	18:54:54
2	Co 228.616†	30691.9	29979.8	0.5173	mg/L	0.5173	mg/L	18:54:54
2	Cr 267.716†	81091.1	78482.8	0.6323	mg/L	0.6323	mg/L	18:54:43
2	Cu 324.752†	343863.0	333730.8	1.474	mg/L	1.474	mg/L	18:54:43
2	Fe 238.204†	652444.2	635708.8	4.044	mg/L	4.044	mg/L	18:54:43
2	Mg 279.077†	118270.9	115067.9	6.771	mg/L	6.771	mg/L	18:54:43
2	Mn 257.610†	475661.4	463535.4	0.5360	mg/L	0.5360	mg/L	18:54:43
2	Mo 202.031†	13845.1	13520.1	0.5214	mg/L	0.5214	mg/L	18:54:54
2	Ni 231.604†	28359.2	27659.7	0.5831	mg/L	0.5831	mg/L	18:54:43
2	P 214.914†	13869.1	13267.6	5.367	mg/L	5.367	mg/L	18:54:54
2	Pb 220.353†	12624.7	12303.8	0.7304	mg/L	0.7304	mg/L	18:54:54
2	Sb 206.836†	1022.2	961.7	0.5408	mg/L	0.5408	mg/L	18:54:54
2	Se 196.026†	1640.9	1603.0	1.020	mg/L	1.020	mg/L	18:54:54
2	Sn 189.927†	4246.1	4145.5	0.5553	mg/L	0.5553	mg/L	18:54:54
2	Ti 337.279†	476927.9	466425.6	0.5593	mg/L	0.5593	mg/L	18:54:43
2	Tl 190.801†	968.0	936.8	0.5057	mg/L	0.5057	mg/L	18:54:54
2	V 292.402†	117144.7	115218.3	0.5366	mg/L	0.5366	mg/L	18:54:43
2	Zn 213.857†	120082.5	116074.5	0.7758	mg/L	0.7758	mg/L	18:54:43

Mean Data: CJ21017-PDS1

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	3212605.0	1.03	mg/L	0.003				0.32%
Ag 328.068†	48109.6	0.2986	mg/L	0.00018	0.2986	mg/L	0.00018	0.06%
Al 237.313†	39206.3	3.765	mg/L	0.0128	3.765	mg/L	0.0128	0.34%
As 188.979†	651.4	0.5117	mg/L	0.00554	0.5117	mg/L	0.00554	1.08%
B 182.528†	611.3	0.7061	mg/L	0.00085	0.7061	mg/L	0.00085	0.12%
B 249.677†	635.6	0.7467	mg/L	0.00656	0.7467	mg/L	0.00656	0.88%
Ba 233.527†	65926.2	0.5934	mg/L	0.00092	0.5934	mg/L	0.00092	0.16%
Be 313.107†	109074.0	0.0527	mg/L	0.00010	0.0527	mg/L	0.00010	0.19%
Ca 315.887†	1815524.8	12.90	mg/L	0.007	12.90	mg/L	0.007	0.05%
Cd 228.802†	9475.9	0.2488	mg/L	0.00064	0.2488	mg/L	0.00064	0.26%
Co 228.616†	29972.5	0.5172	mg/L	0.00018	0.5172	mg/L	0.00018	0.03%
Cr 267.716†	78229.8	0.6303	mg/L	0.00288	0.6303	mg/L	0.00288	0.46%
Cu 324.752†	333847.3	1.474	mg/L	0.0007	1.474	mg/L	0.0007	0.05%
Fe 234.349†	2746.0	4.315	mg/L	0.0590	4.315	mg/L	0.0590	1.37%
Fe 238.204†	635515.7	4.043	mg/L	0.0017	4.043	mg/L	0.0017	0.04%
K 766.490†	36595.5	27.32	mg/L	0.224	27.32	mg/L	0.224	0.82%
Li 670.784†	9555.4	0.5503	mg/L	0.00534	0.5503	mg/L	0.00534	0.97%
Mg 279.077†	115139.0	6.776	mg/L	0.0059	6.776	mg/L	0.0059	0.09%
Mn 257.610†	463557.7	0.5361	mg/L	0.00004	0.5361	mg/L	0.00004	0.01%
Mo 202.031†	13501.4	0.5207	mg/L	0.00101	0.5207	mg/L	0.00101	0.19%
Na 589.592†	146517.6	40.36	mg/L	0.185	40.36	mg/L	0.185	0.46%
Ni 231.604†	27682.9	0.5836	mg/L	0.00069	0.5836	mg/L	0.00069	0.12%
P 214.914†	13274.8	5.370	mg/L	0.0040	5.370	mg/L	0.0040	0.07%
Pb 220.353†	12299.5	0.7302	mg/L	0.00037	0.7302	mg/L	0.00037	0.05%
Sb 206.836†	964.0	0.5422	mg/L	0.00188	0.5422	mg/L	0.00188	0.35%
Se 196.026†	1609.9	1.024	mg/L	0.0062	1.024	mg/L	0.0062	0.61%
Sn 189.927†	4140.6	0.5546	mg/L	0.00109	0.5546	mg/L	0.00109	0.20%
Sr 407.771†	53527.3	0.0916	mg/L	0.00050	0.0916	mg/L	0.00050	0.55%
Ti 337.279†	465725.6	0.5585	mg/L	0.00118	0.5585	mg/L	0.00118	0.21%
Tl 190.801†	940.1	0.5076	mg/L	0.00263	0.5076	mg/L	0.00263	0.52%
V 292.402†	115158.3	0.5363	mg/L	0.00040	0.5363	mg/L	0.00040	0.07%
Zn 213.857†	116108.3	0.7760	mg/L	0.00032	0.7760	mg/L	0.00032	0.04%

Sequence No.: 34

Sample ID: CJ21017-BLK2

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 36

Date Collected: 10/11/2012 6:56:33 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21017-BLK2

Repl#	Analyte	Net		Corrected	Calib.	Sample		Analysis
		Intensity	Intensity			Conc.	Units	
1	B 249.677†	65.9	59.2	0.0707	mg/L	0.0707	mg/L	18:58:25
1	Fe 234.349†	4.0	-0.4	-0.0005	mg/L	-0.0005	mg/L	18:58:25
1	K 766.490†	495.0	160.4	0.1644	mg/L	0.1644	mg/L	18:58:15
1	Li 670.784†	-203.5	-2.6	0.0010	mg/L	0.0010	mg/L	18:58:15
1	Na 589.592†	24061.8	23020.9	6.275	mg/L	6.275	mg/L	18:58:15
1	Sr 407.771†	499.7	363.2	0.0006	mg/L	0.0006	mg/L	18:58:15
1	Y 371.029	3310702.4	3310702.4	1.06	mg/L			18:58:41
1	Ag 328.068†	1872.1	-270.6	-0.0019	mg/L	-0.0019	mg/L	18:58:44
1	Al 237.313†	21.4	167.4	-0.0006	mg/L	-0.0006	mg/L	18:58:44
1	As 188.979†	7.0	-1.2	0.0009	mg/L	0.0009	mg/L	18:58:54
1	B 182.528†	50.9	54.7	0.0648	mg/L	0.0648	mg/L	18:58:54
1	Ba 233.527†	217.8	272.3	0.0009	mg/L	0.0009	mg/L	18:58:54
1	Be 313.107†	-776.5	171.6	0.0002	mg/L	0.0002	mg/L	18:58:44
1	Ca 315.887†	106421.6	98989.9	0.6906	mg/L	0.6906	mg/L	18:58:41
1	Cd 228.802†	95.0	-3.3	-0.0001	mg/L	-0.0001	mg/L	18:58:54
1	Co 228.616†	-41.0	-4.2	-0.0046	mg/L	-0.0046	mg/L	18:58:54
1	Cr 267.716†	682.2	8.5	-0.0005	mg/L	-0.0005	mg/L	18:58:44
1	Cu 324.752†	2147.7	260.3	-0.0008	mg/L	-0.0008	mg/L	18:58:44
1	Fe 238.204†	2415.4	1415.5	-0.0002	mg/L	-0.0002	mg/L	18:58:44
1	Mg 279.077†	1660.8	1242.5	0.0460	mg/L	0.0460	mg/L	18:58:44
1	Mn 257.610†	2121.9	1447.7	-0.0005	mg/L	-0.0005	mg/L	18:58:44
1	Mo 202.031†	14.8	25.8	0.0014	mg/L	0.0014	mg/L	18:58:54
1	Ni 231.604†	24.0	13.0	-0.0024	mg/L	-0.0024	mg/L	18:58:44
1	P 214.914†	268.0	-11.0	0.0111	mg/L	0.0111	mg/L	18:58:54
1	Pb 220.353†	-19.1	-31.9	-0.0045	mg/L	-0.0045	mg/L	18:58:54

1	Sb 206.836†	41.7	3.7	0.0006 mg/L	0.0006 mg/L	18:58:54
1	Se 196.026†	-0.7	1.3	0.0029 mg/L	0.0029 mg/L	18:58:54
1	Sn 189.927†	-5.9	-2.9	-0.0026 mg/L	-0.0026 mg/L	18:58:54
1	Ti 337.279†	-444.3	678.2	0.0020 mg/L	0.0020 mg/L	18:58:44
1	Tl 190.801†	5.4	-2.6	-0.0073 mg/L	-0.0073 mg/L	18:58:54
1	V 292.402†	-774.2	191.5	0.0029 mg/L	0.0029 mg/L	18:58:44
1	Zn 213.857†	1574.3	399.8	-0.0007 mg/L	-0.0007 mg/L	18:58:54
2	B 249.677†	63.3	56.4	0.0675 mg/L	0.0675 mg/L	18:58:38
2	Fe 234.349†	2.4	-2.0	-0.0029 mg/L	-0.0029 mg/L	18:58:38
2	K 766.490†	378.5	48.7	0.0812 mg/L	0.0812 mg/L	18:58:28
2	Li 670.784†	-145.1	53.1	0.0042 mg/L	0.0042 mg/L	18:58:28
2	Na 589.592†	24407.0	23243.3	6.336 mg/L	6.336 mg/L	18:58:28
2	Sr 407.771†	533.4	392.7	0.0007 mg/L	0.0007 mg/L	18:58:28
2	Y 371.029	3325658.4	3325658.4	1.06 mg/L		18:58:56
2	Ag 328.068†	2033.4	-126.9	-0.0011 mg/L	-0.0011 mg/L	18:58:58
2	Al 237.313†	-36.4	113.0	-0.0059 mg/L	-0.0059 mg/L	18:58:58
2	As 188.979†	7.2	-1.1	0.0010 mg/L	0.0010 mg/L	18:59:09
2	B 182.528†	51.2	54.9	0.0650 mg/L	0.0650 mg/L	18:59:09
2	Ba 233.527†	191.6	246.7	0.0007 mg/L	0.0007 mg/L	18:59:09
2	Be 313.107†	-811.4	142.1	0.0001 mg/L	0.0001 mg/L	18:58:58
2	Ca 315.887†	106450.4	98564.9	0.6876 mg/L	0.6876 mg/L	18:58:56
2	Cd 228.802†	95.4	-3.3	-0.0001 mg/L	-0.0001 mg/L	18:59:09
2	Co 228.616†	-56.2	-18.4	-0.0048 mg/L	-0.0048 mg/L	18:59:09
2	Cr 267.716†	629.3	-44.1	-0.0009 mg/L	-0.0009 mg/L	18:58:58
2	Cu 324.752†	2132.5	236.9	-0.0009 mg/L	-0.0009 mg/L	18:58:58
2	Fe 238.204†	2443.8	1431.9	-0.0001 mg/L	-0.0001 mg/L	18:58:58
2	Mg 279.077†	1741.2	1311.1	0.0501 mg/L	0.0501 mg/L	18:58:58
2	Mn 257.610†	2103.7	1421.5	-0.0005 mg/L	-0.0005 mg/L	18:58:58
2	Mo 202.031†	30.1	40.1	0.0019 mg/L	0.0019 mg/L	18:59:09
2	Ni 231.604†	24.5	13.3	-0.0024 mg/L	-0.0024 mg/L	18:58:58
2	P 214.914†	286.5	5.2	0.0177 mg/L	0.0177 mg/L	18:59:09
2	Pb 220.353†	-30.6	-42.5	-0.0052 mg/L	-0.0052 mg/L	18:59:09
2	Sb 206.836†	47.2	8.7	0.0035 mg/L	0.0035 mg/L	18:59:09
2	Se 196.026†	6.4	8.0	0.0071 mg/L	0.0071 mg/L	18:59:09
2	Sn 189.927†	-10.7	-7.4	-0.0032 mg/L	-0.0032 mg/L	18:59:09
2	Ti 337.279†	-513.3	615.2	0.0019 mg/L	0.0019 mg/L	18:58:58
2	Tl 190.801†	3.4	-4.5	-0.0084 mg/L	-0.0084 mg/L	18:59:09
2	V 292.402†	-998.5	-16.1	0.0020 mg/L	0.0020 mg/L	18:58:58
2	Zn 213.857†	1564.5	383.9	-0.0008 mg/L	-0.0008 mg/L	18:59:09

Mean Data: CJ21017-BLK2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3318180.4	1.06	mg/L	0.003				0.32%
Ag 328.068†	-198.8	-0.0015	mg/L	0.00063	-0.0015	mg/L	0.00063	42.05%
Al 237.313†	140.2	-0.0032	mg/L	0.00371	-0.0032	mg/L	0.00371	114.72%
As 188.979†	-1.2	0.0009	mg/L	0.00006	0.0009	mg/L	0.00006	6.89%
B 182.528†	54.8	0.0649	mg/L	0.00009	0.0649	mg/L	0.00009	0.14%
B 249.677†	57.8	0.0691	mg/L	0.00228	0.0691	mg/L	0.00228	3.31%
Ba 233.527†	259.5	0.0008	mg/L	0.00016	0.0008	mg/L	0.00016	20.83%
Be 313.107†	156.8	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	6.68%
Ca 315.887†	98777.4	0.6891	mg/L	0.00214	0.6891	mg/L	0.00214	0.31%
Cd 228.802†	-3.3	-0.0001	mg/L	0.00000	-0.0001	mg/L	0.00000	0.30%
Co 228.616†	-11.3	-0.0047	mg/L	0.00017	-0.0047	mg/L	0.00017	3.70%
Cr 267.716†	-17.8	-0.0007	mg/L	0.00030	-0.0007	mg/L	0.00030	43.91%
Cu 324.752†	248.6	-0.0009	mg/L	0.00007	-0.0009	mg/L	0.00007	8.27%
Fe 234.349†	-1.2	-0.0017	mg/L	0.00170	-0.0017	mg/L	0.00170	100.54%
Fe 238.204†	1423.7	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	62.63%
K 766.490†	104.5	0.1228	mg/L	0.05885	0.1228	mg/L	0.05885	47.94%
Li 670.784†	25.2	0.0026	mg/L	0.00227	0.0026	mg/L	0.00227	87.85%
Mg 279.077†	1276.8	0.0481	mg/L	0.00287	0.0481	mg/L	0.00287	5.96%
Mn 257.610†	1434.6	-0.0005	mg/L	0.00002	-0.0005	mg/L	0.00002	4.37%
Mo 202.031†	32.9	0.0016	mg/L	0.00039	0.0016	mg/L	0.00039	24.10%
Na 589.592†	23132.1	6.305	mg/L	0.0434	6.305	mg/L	0.0434	0.69%
Ni 231.604†	13.1	-0.0024	mg/L	0.00001	-0.0024	mg/L	0.00001	0.23%
P 214.914†	-2.9	0.0144	mg/L	0.00465	0.0144	mg/L	0.00465	32.35%
Pb 220.353†	-37.2	-0.0049	mg/L	0.00045	-0.0049	mg/L	0.00045	9.25%
Sb 206.836†	6.2	0.0020	mg/L	0.00200	0.0020	mg/L	0.00200	97.81%
Se 196.026†	4.6	0.0050	mg/L	0.00300	0.0050	mg/L	0.00300	60.23%
Sn 189.927†	-5.2	-0.0029	mg/L	0.00043	-0.0029	mg/L	0.00043	14.67%
Sr 407.771†	378.0	0.0007	mg/L	0.00004	0.0007	mg/L	0.00004	5.47%
Ti 337.279†	646.7	0.0020	mg/L	0.00005	0.0020	mg/L	0.00005	2.73%

Tl 190.801†	-3.6	-0.0079 mg/L	0.00074	-0.0079 mg/L	0.00074	9.37%
V 292.402†	87.7	0.0025 mg/L	0.00067	0.0025 mg/L	0.00067	27.26%
Zn 213.857†	391.8	-0.0007 mg/L	0.00008	-0.0007 mg/L	0.00008	10.28%

Sequence No.: 35
Sample ID: 1210127-11 SPLP
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 10/11/2012 7:00:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210127-11 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	125.8	116.2	0.1377 mg/L	0.1377 mg/L	19:02:40
1	Fe 234.349†	1029.2	972.0	1.517 mg/L	1.517 mg/L	19:02:40
1	K 766.490†	2849.5	2395.5	1.830 mg/L	1.830 mg/L	19:02:29
1	Li 670.784†	9.9	199.0	0.0126 mg/L	0.0126 mg/L	19:02:29
1	Na 589.592†	39082.5	37362.1	10.23 mg/L	10.23 mg/L	19:02:29
1	Sr 407.771†	61697.1	58411.2	0.0999 mg/L	0.0999 mg/L	19:02:29
1	Y 371.029	3297072.7	3297072.7	1.05 mg/L		19:02:56
1	Ag 328.068†	5925.3	3581.2	0.0221 mg/L	0.0221 mg/L	19:02:58
1	Al 237.313†	19001.5	18170.2	1.733 mg/L	1.733 mg/L	19:02:58
1	As 188.979†	14.6	6.0	0.0070 mg/L	0.0070 mg/L	19:03:08
1	B 182.528†	100.0	101.5	0.1188 mg/L	0.1188 mg/L	19:03:08
1	Ba 233.527†	12307.5	11740.2	0.1044 mg/L	0.1044 mg/L	19:02:58
1	Be 313.107†	-799.9	146.4	0.0001 mg/L	0.0001 mg/L	19:02:58
1	Ca 315.887†	2898804.0	2747994.7	19.54 mg/L	19.54 mg/L	19:02:56
1	Cd 228.802†	108.9	10.3	0.0002 mg/L	0.0002 mg/L	19:03:08
1	Co 228.616†	-12.6	22.6	-0.0042 mg/L	-0.0042 mg/L	19:03:08
1	Cr 267.716†	1476.7	764.7	0.0056 mg/L	0.0056 mg/L	19:02:58
1	Cu 324.752†	55058.1	50454.5	0.2211 mg/L	0.2211 mg/L	19:02:58
1	Fe 238.204†	234488.0	221546.9	1.403 mg/L	1.403 mg/L	19:02:58
1	Mg 279.077†	22030.2	20569.5	1.188 mg/L	1.188 mg/L	19:02:58
1	Mn 257.610†	23845.4	22060.8	0.0235 mg/L	0.0235 mg/L	19:02:58
1	Mo 202.031†	173.6	176.4	0.0065 mg/L	0.0065 mg/L	19:03:08
1	Ni 231.604†	586.7	546.8	0.0089 mg/L	0.0089 mg/L	19:03:08
1	P 214.914†	662.6	364.2	0.1626 mg/L	0.1626 mg/L	19:03:08
1	Pb 220.353†	3222.4	3042.7	0.1786 mg/L	0.1786 mg/L	19:03:08
1	Sb 206.836†	54.4	15.9	0.0069 mg/L	0.0069 mg/L	19:03:08
1	Se 196.026†	-7.2	-4.9	-0.0004 mg/L	-0.0004 mg/L	19:03:08
1	Sn 189.927†	-134.6	-125.0	-0.0142 mg/L	-0.0142 mg/L	19:03:08
1	Ti 337.279†	49531.7	48078.9	0.0587 mg/L	0.0587 mg/L	19:02:58
1	Tl 190.801†	14.9	6.5	-0.0034 mg/L	-0.0034 mg/L	19:03:08
1	V 292.402†	14232.7	14422.7	0.0679 mg/L	0.0679 mg/L	19:02:58
1	Zn 213.857†	23999.4	21676.2	0.1427 mg/L	0.1427 mg/L	19:02:58
2	B 249.677†	126.5	118.0	0.1398 mg/L	0.1398 mg/L	19:02:52
2	Fe 234.349†	1013.0	966.2	1.508 mg/L	1.508 mg/L	19:02:52
2	K 766.490†	2854.6	2427.5	1.854 mg/L	1.854 mg/L	19:02:42
2	Li 670.784†	-98.7	95.0	0.0066 mg/L	0.0066 mg/L	19:02:42
2	Na 589.592†	39165.5	37812.7	10.36 mg/L	10.36 mg/L	19:02:42
2	Sr 407.771†	61462.7	58772.6	0.1005 mg/L	0.1005 mg/L	19:02:42
2	Y 371.029	3264387.7	3264387.7	1.04 mg/L		19:03:11
2	Ag 328.068†	5747.7	3467.3	0.0214 mg/L	0.0214 mg/L	19:03:13
2	Al 237.313†	18856.4	18211.7	1.737 mg/L	1.737 mg/L	19:03:13
2	As 188.979†	7.6	-0.5	0.0019 mg/L	0.0019 mg/L	19:03:23
2	B 182.528†	110.6	112.6	0.1316 mg/L	0.1316 mg/L	19:03:23
2	Ba 233.527†	12213.0	11766.6	0.1046 mg/L	0.1046 mg/L	19:03:13
2	Be 313.107†	-771.4	166.0	0.0002 mg/L	0.0002 mg/L	19:03:13
2	Ca 315.887†	2862660.9	2740899.5	19.48 mg/L	19.48 mg/L	19:03:11
2	Cd 228.802†	115.9	18.1	0.0004 mg/L	0.0004 mg/L	19:03:23
2	Co 228.616†	5.1	39.3	-0.0039 mg/L	-0.0039 mg/L	19:03:23
2	Cr 267.716†	1407.0	711.9	0.0052 mg/L	0.0052 mg/L	19:03:13
2	Cu 324.752†	55117.6	51034.3	0.2237 mg/L	0.2237 mg/L	19:03:13
2	Fe 238.204†	234324.3	223617.1	1.417 mg/L	1.417 mg/L	19:03:13
2	Mg 279.077†	21896.2	20650.3	1.193 mg/L	1.193 mg/L	19:03:13
2	Mn 257.610†	23974.1	22410.6	0.0239 mg/L	0.0239 mg/L	19:03:13
2	Mo 202.031†	202.7	205.9	0.0077 mg/L	0.0077 mg/L	19:03:23
2	Ni 231.604†	588.8	554.4	0.0090 mg/L	0.0090 mg/L	19:03:23
2	P 214.914†	678.7	386.0	0.1713 mg/L	0.1713 mg/L	19:03:23
2	Pb 220.353†	3231.5	3082.0	0.1809 mg/L	0.1809 mg/L	19:03:23
2	Sb 206.836†	70.0	31.4	0.0157 mg/L	0.0157 mg/L	19:03:23

2	Se 196.026†	-2.9	-0.8	0.0022 mg/L	0.0022 mg/L	19:03:23
2	Sn 189.927†	-152.8	-143.7	-0.0166 mg/L	-0.0166 mg/L	19:03:23
2	Ti 337.279†	49956.8	48956.6	0.0598 mg/L	0.0598 mg/L	19:03:13
2	Tl 190.801†	13.1	4.8	-0.0043 mg/L	-0.0043 mg/L	19:03:23
2	V 292.402†	14447.2	14763.3	0.0695 mg/L	0.0695 mg/L	19:03:13
2	Zn 213.857†	24052.1	21954.7	0.1446 mg/L	0.1446 mg/L	19:03:13

Mean Data: 1210127-11 SPLP

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3280730.2	1.05 mg/L	0.007			0.70%
Ag 328.068†	3524.2	0.0217 mg/L	0.00050	0.0217 mg/L	0.00050	2.30%
Al 237.313†	18190.9	1.735 mg/L	0.0028	1.735 mg/L	0.0028	0.16%
As 188.979†	2.7	0.0045 mg/L	0.00360	0.0045 mg/L	0.00360	80.10%
B 182.528†	107.1	0.1252 mg/L	0.00904	0.1252 mg/L	0.00904	7.22%
B 249.677†	117.1	0.1388 mg/L	0.00148	0.1388 mg/L	0.00148	1.07%
Ba 233.527†	11753.4	0.1045 mg/L	0.00017	0.1045 mg/L	0.00017	0.16%
Be 313.107†	156.2	0.0002 mg/L	0.00001	0.0002 mg/L	0.00001	4.41%
Ca 315.887†	2744447.1	19.51 mg/L	0.036	19.51 mg/L	0.036	0.18%
Cd 228.802†	14.2	0.0003 mg/L	0.00016	0.0003 mg/L	0.00016	52.89%
Co 228.616†	30.9	-0.0041 mg/L	0.00021	-0.0041 mg/L	0.00021	5.05%
Cr 267.716†	738.3	0.0054 mg/L	0.00030	0.0054 mg/L	0.00030	5.54%
Cu 324.752†	50744.4	0.2224 mg/L	0.00181	0.2224 mg/L	0.00181	0.82%
Fe 234.349†	969.1	1.513 mg/L	0.0064	1.513 mg/L	0.0064	0.42%
Fe 238.204†	222582.0	1.410 mg/L	0.0093	1.410 mg/L	0.0093	0.66%
K 766.490†	2411.5	1.842 mg/L	0.0168	1.842 mg/L	0.0168	0.91%
Li 670.784†	147.0	0.0096 mg/L	0.00423	0.0096 mg/L	0.00423	44.13%
Mg 279.077†	20609.9	1.190 mg/L	0.0034	1.190 mg/L	0.0034	0.28%
Mn 257.610†	22235.7	0.0237 mg/L	0.00029	0.0237 mg/L	0.00029	1.21%
Mo 202.031†	191.2	0.0071 mg/L	0.00081	0.0071 mg/L	0.00081	11.35%
Na 589.592†	37587.4	10.29 mg/L	0.088	10.29 mg/L	0.088	0.85%
Ni 231.604†	550.6	0.0090 mg/L	0.00011	0.0090 mg/L	0.00011	1.27%
P 214.914†	375.1	0.1669 mg/L	0.00617	0.1669 mg/L	0.00617	3.70%
Pb 220.353†	3062.3	0.1798 mg/L	0.00166	0.1798 mg/L	0.00166	0.92%
Sb 206.836†	23.6	0.0113 mg/L	0.00619	0.0113 mg/L	0.00619	54.81%
Se 196.026†	-2.9	0.0009 mg/L	0.00181	0.0009 mg/L	0.00181	208.68%
Sn 189.927†	-134.3	-0.0154 mg/L	0.00176	-0.0154 mg/L	0.00176	11.39%
Sr 407.771†	58591.9	0.1002 mg/L	0.00044	0.1002 mg/L	0.00044	0.44%
Ti 337.279†	48517.8	0.0592 mg/L	0.00074	0.0592 mg/L	0.00074	1.25%
Tl 190.801†	5.6	-0.0039 mg/L	0.00064	-0.0039 mg/L	0.00064	16.47%
V 292.402†	14593.0	0.0687 mg/L	0.00111	0.0687 mg/L	0.00111	1.61%
Zn 213.857†	21815.5	0.1437 mg/L	0.00133	0.1437 mg/L	0.00133	0.92%

Sequence No.: 36

Autosampler Location: 38

Sample ID: 1210127-12 SPLP

Date Collected: 10/11/2012 7:05:02 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210127-12 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	165.3	155.6	0.1839 mg/L	0.1839 mg/L	19:06:54
1	Fe 234.349†	956.7	914.1	1.421 mg/L	1.421 mg/L	19:06:54
1	K 766.490†	2573.8	2163.4	1.657 mg/L	1.657 mg/L	19:06:44
1	Li 670.784†	-102.2	91.5	0.0064 mg/L	0.0064 mg/L	19:06:44
1	Na 589.592†	42481.8	41071.0	11.26 mg/L	11.26 mg/L	19:06:44
1	Sr 407.771†	53328.8	51082.3	0.0874 mg/L	0.0874 mg/L	19:06:44
1	Y 371.029	3257883.3	3257883.3	1.04 mg/L		19:07:10
1	Ag 328.068†	25695.9	22626.9	0.1402 mg/L	0.1402 mg/L	19:07:13
1	Al 237.313†	22508.6	21753.6	2.078 mg/L	2.078 mg/L	19:07:13
1	As 188.979†	5.6	-2.5	0.0005 mg/L	0.0005 mg/L	19:07:23
1	B 182.528†	152.3	152.9	0.1779 mg/L	0.1779 mg/L	19:07:23
1	Ba 233.527†	4170.3	4069.7	0.0352 mg/L	0.0352 mg/L	19:07:23
1	Be 313.107†	-552.8	374.4	0.0003 mg/L	0.0003 mg/L	19:07:13
1	Ca 315.887†	3675853.4	3526970.2	25.08 mg/L	25.08 mg/L	19:07:10
1	Cd 228.802†	166.2	66.5	0.0017 mg/L	0.0017 mg/L	19:07:23
1	Co 228.616†	12.2	46.2	-0.0038 mg/L	-0.0038 mg/L	19:07:23
1	Cr 267.716†	3312.2	2543.5	0.0200 mg/L	0.0200 mg/L	19:07:13
1	Cu 324.752†	118383.3	111869.4	0.4927 mg/L	0.4927 mg/L	19:07:13

1	Fe 238.204†	223975.5	214131.3	1.356 mg/L	1.356 mg/L	19:07:13
1	Mg 279.077†	24734.2	23416.4	1.356 mg/L	1.356 mg/L	19:07:13
1	Mn 257.610†	28998.0	27279.0	0.0295 mg/L	0.0295 mg/L	19:07:13
1	Mo 202.031†	243.0	245.0	0.0090 mg/L	0.0090 mg/L	19:07:23
1	Ni 231.604†	955.4	907.4	0.0165 mg/L	0.0165 mg/L	19:07:23
1	P 214.914†	1020.8	715.7	0.2994 mg/L	0.2994 mg/L	19:07:23
1	Pb 220.353†	12560.9	12043.6	0.7166 mg/L	0.7166 mg/L	19:07:13
1	Sb 206.836†	54.8	16.9	0.0075 mg/L	0.0075 mg/L	19:07:23
1	Se 196.026†	2.9	4.8	0.0057 mg/L	0.0057 mg/L	19:07:23
1	Sn 189.927†	74.7	74.4	0.0118 mg/L	0.0118 mg/L	19:07:23
1	Ti 337.279†	67856.5	66234.4	0.0804 mg/L	0.0804 mg/L	19:07:13
1	Tl 190.801†	16.0	7.6	-0.0027 mg/L	-0.0027 mg/L	19:07:23
1	V 292.402†	2463.1	3287.2	0.0170 mg/L	0.0170 mg/L	19:07:13
1	Zn 213.857†	50160.9	47062.9	0.3139 mg/L	0.3139 mg/L	19:07:13
2	B 249.677†	165.6	156.8	0.1854 mg/L	0.1854 mg/L	19:07:06
2	Fe 234.349†	957.6	920.6	1.431 mg/L	1.431 mg/L	19:07:06
2	K 766.490†	2567.7	2172.6	1.664 mg/L	1.664 mg/L	19:06:56
2	Li 670.784†	-200.7	-4.2	0.0009 mg/L	0.0009 mg/L	19:06:56
2	Na 589.592†	42469.7	41309.2	11.32 mg/L	11.32 mg/L	19:06:56
2	Sr 407.771†	53231.6	51302.1	0.0877 mg/L	0.0877 mg/L	19:06:56
2	Y 371.029	3238043.9	3238043.9	1.04 mg/L		19:07:26
2	Ag 328.068†	25578.1	22664.2	0.1404 mg/L	0.1404 mg/L	19:07:28
2	Al 237.313†	22635.3	22008.3	2.103 mg/L	2.103 mg/L	19:07:28
2	As 188.979†	8.5	0.3	0.0027 mg/L	0.0027 mg/L	19:07:38
2	B 182.528†	141.4	143.2	0.1668 mg/L	0.1668 mg/L	19:07:38
2	Ba 233.527†	4146.3	4071.0	0.0352 mg/L	0.0352 mg/L	19:07:38
2	Be 313.107†	-524.8	398.3	0.0003 mg/L	0.0003 mg/L	19:07:28
2	Ca 315.887†	3638279.4	3512300.6	24.97 mg/L	24.97 mg/L	19:07:26
2	Cd 228.802†	166.7	68.0	0.0017 mg/L	0.0017 mg/L	19:07:38
2	Co 228.616†	13.7	47.7	-0.0038 mg/L	-0.0038 mg/L	19:07:38
2	Cr 267.716†	3184.6	2439.7	0.0191 mg/L	0.0191 mg/L	19:07:28
2	Cu 324.752†	118273.6	112459.7	0.4953 mg/L	0.4953 mg/L	19:07:28
2	Fe 238.204†	222624.8	214144.1	1.356 mg/L	1.356 mg/L	19:07:28
2	Mg 279.077†	24413.3	23252.0	1.346 mg/L	1.346 mg/L	19:07:28
2	Mn 257.610†	28941.5	27394.9	0.0296 mg/L	0.0296 mg/L	19:07:28
2	Mo 202.031†	231.8	235.6	0.0087 mg/L	0.0087 mg/L	19:07:38
2	Ni 231.604†	980.8	937.6	0.0171 mg/L	0.0171 mg/L	19:07:38
2	P 214.914†	1016.8	717.8	0.3002 mg/L	0.3002 mg/L	19:07:38
2	Pb 220.353†	12459.6	12019.7	0.7151 mg/L	0.7151 mg/L	19:07:28
2	Sb 206.836†	57.0	19.4	0.0089 mg/L	0.0089 mg/L	19:07:38
2	Se 196.026†	-11.1	-8.8	-0.0029 mg/L	-0.0029 mg/L	19:07:38
2	Sn 189.927†	92.0	91.5	0.0141 mg/L	0.0141 mg/L	19:07:38
2	Ti 337.279†	68871.3	67613.6	0.0821 mg/L	0.0821 mg/L	19:07:28
2	Tl 190.801†	11.3	3.2	-0.0051 mg/L	-0.0051 mg/L	19:07:38
2	V 292.402†	2376.6	3218.2	0.0167 mg/L	0.0167 mg/L	19:07:28
2	Zn 213.857†	50195.0	47390.9	0.3161 mg/L	0.3161 mg/L	19:07:28

Mean Data: 1210127-12 SPLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3247963.6	1.04	mg/L	0.004				0.43%
Ag 328.068†	22645.5	0.1403	mg/L	0.00016	0.1403	mg/L	0.00016	0.12%
Al 237.313†	21880.9	2.090	mg/L	0.0173	2.090	mg/L	0.0173	0.83%
As 188.979†	-1.1	0.0016	mg/L	0.00155	0.0016	mg/L	0.00155	98.80%
B 182.528†	148.1	0.1724	mg/L	0.00791	0.1724	mg/L	0.00791	4.59%
B 249.677†	156.2	0.1846	mg/L	0.00102	0.1846	mg/L	0.00102	0.55%
Ba 233.527†	4070.3	0.0352	mg/L	0.00001	0.0352	mg/L	0.00001	0.02%
Be 313.107†	386.3	0.0003	mg/L	0.00001	0.0003	mg/L	0.00001	3.06%
Ca 315.887†	3519635.4	25.02	mg/L	0.074	25.02	mg/L	0.074	0.29%
Cd 228.802†	67.3	0.0017	mg/L	0.00002	0.0017	mg/L	0.00002	1.23%
Co 228.616†	46.9	-0.0038	mg/L	0.00002	-0.0038	mg/L	0.00002	0.43%
Cr 267.716†	2491.6	0.0195	mg/L	0.00059	0.0195	mg/L	0.00059	3.03%
Cu 324.752†	112164.6	0.4940	mg/L	0.00185	0.4940	mg/L	0.00185	0.37%
Fe 234.349†	917.4	1.426	mg/L	0.0074	1.426	mg/L	0.0074	0.52%
Fe 238.204†	214137.7	1.356	mg/L	0.0001	1.356	mg/L	0.0001	0.00%
K 766.490†	2168.0	1.661	mg/L	0.0048	1.661	mg/L	0.0048	0.29%
Li 670.784†	43.6	0.0036	mg/L	0.00389	0.0036	mg/L	0.00389	106.94%
Mg 279.077†	23334.2	1.351	mg/L	0.0069	1.351	mg/L	0.0069	0.51%
Mn 257.610†	27336.9	0.0296	mg/L	0.00010	0.0296	mg/L	0.00010	0.32%
Mo 202.031†	240.3	0.0089	mg/L	0.00026	0.0089	mg/L	0.00026	2.94%
Na 589.592†	41190.1	11.29	mg/L	0.046	11.29	mg/L	0.046	0.41%
Ni 231.604†	922.5	0.0168	mg/L	0.00045	0.0168	mg/L	0.00045	2.68%

P 214.914†	716.7	0.2998 mg/L	0.00057	0.2998 mg/L	0.00057	0.19%
Pb 220.353†	12031.6	0.7159 mg/L	0.00102	0.7159 mg/L	0.00102	0.14%
Sb 206.836†	18.1	0.0082 mg/L	0.00098	0.0082 mg/L	0.00098	11.99%
Se 196.026†	-2.0	0.0014 mg/L	0.00607	0.0014 mg/L	0.00607	440.07%
Sn 189.927†	83.0	0.0129 mg/L	0.00161	0.0129 mg/L	0.00161	12.51%
Sr 407.771†	51192.2	0.0876 mg/L	0.00027	0.0876 mg/L	0.00027	0.30%
Ti 337.279†	66924.0	0.0813 mg/L	0.00117	0.0813 mg/L	0.00117	1.44%
Tl 190.801†	5.4	-0.0039 mg/L	0.00172	-0.0039 mg/L	0.00172	44.29%
V 292.402†	3252.7	0.0168 mg/L	0.00023	0.0168 mg/L	0.00023	1.38%
Zn 213.857†	47226.9	0.3150 mg/L	0.00156	0.3150 mg/L	0.00156	0.50%

Sequence No.: 37
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/11/2012 7:09:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	442.4	422.2	0.4961 mg/L	0.4961 mg/L	19:11:11
1	Fe 234.349†	1671.4	1602.4	2.519 mg/L	2.519 mg/L	19:11:11
1	K 766.490†	34638.4	32990.3	24.63 mg/L	24.63 mg/L	19:11:01
1	Li 670.784†	8762.8	8613.1	0.4961 mg/L	0.4961 mg/L	19:11:11
1	Na 589.592†	94703.7	91329.8	25.13 mg/L	25.13 mg/L	19:11:01
1	Sr 407.771†	30403.9	29118.2	0.0498 mg/L	0.0498 mg/L	19:11:01
1	Y 371.029	3253221.7	3253221.7	1.04 mg/L		19:11:29
1	Ag 328.068†	43594.3	39867.8	0.2473 mg/L	0.2473 mg/L	19:11:29
1	Al 237.313†	27063.1	26162.8	2.508 mg/L	2.508 mg/L	19:11:39
1	As 188.979†	668.9	635.1	0.4982 mg/L	0.4982 mg/L	19:11:39
1	B 182.528†	432.2	422.2	0.4882 mg/L	0.4882 mg/L	19:11:39
1	Ba 233.527†	57902.4	55727.5	0.5013 mg/L	0.5013 mg/L	19:11:29
1	Be 313.107†	106665.2	103441.3	0.0500 mg/L	0.0500 mg/L	19:11:29
1	Ca 315.887†	732172.8	702294.7	4.985 mg/L	4.985 mg/L	19:11:29
1	Cd 228.802†	9698.3	9229.9	0.2424 mg/L	0.2424 mg/L	19:11:39
1	Co 228.616†	30163.6	29030.4	0.5009 mg/L	0.5009 mg/L	19:11:39
1	Cr 267.716†	65076.2	61921.2	0.4989 mg/L	0.4989 mg/L	19:11:29
1	Cu 324.752†	119881.2	113472.2	0.5001 mg/L	0.5001 mg/L	19:11:29
1	Fe 238.204†	410318.9	393569.4	2.501 mg/L	2.501 mg/L	19:11:29
1	Mg 279.077†	89158.2	85380.6	5.018 mg/L	5.018 mg/L	19:11:29
1	Mn 257.610†	447071.0	429208.3	0.4962 mg/L	0.4962 mg/L	19:11:29
1	Mo 202.031†	13137.1	12640.3	0.4886 mg/L	0.4886 mg/L	19:11:39
1	Ni 231.604†	24846.3	23874.8	0.5030 mg/L	0.5030 mg/L	19:11:29
1	P 214.914†	12812.4	12052.2	4.889 mg/L	4.889 mg/L	19:11:39
1	Pb 220.353†	8665.9	8316.7	0.4932 mg/L	0.4932 mg/L	19:11:39
1	Sb 206.836†	956.6	883.9	0.4977 mg/L	0.4977 mg/L	19:11:39
1	Se 196.026†	1613.8	1553.2	0.9873 mg/L	0.9873 mg/L	19:11:39
1	Sn 189.927†	3918.1	3769.1	0.5005 mg/L	0.5005 mg/L	19:11:39
1	Ti 337.279†	428374.1	412889.8	0.4953 mg/L	0.4953 mg/L	19:11:29
1	Tl 190.801†	947.3	902.9	0.4883 mg/L	0.4883 mg/L	19:11:39
1	V 292.402†	111313.4	107927.3	0.5025 mg/L	0.5025 mg/L	19:11:29
1	Zn 213.857†	78000.6	73893.9	0.4927 mg/L	0.4927 mg/L	19:11:29
2	B 249.677†	455.6	435.7	0.5120 mg/L	0.5120 mg/L	19:11:24
2	Fe 234.349†	1681.0	1614.9	2.538 mg/L	2.538 mg/L	19:11:24
2	K 766.490†	34628.4	33046.9	24.67 mg/L	24.67 mg/L	19:11:14
2	Li 670.784†	8773.1	8639.8	0.4977 mg/L	0.4977 mg/L	19:11:24
2	Na 589.592†	94436.8	91253.9	25.10 mg/L	25.10 mg/L	19:11:14
2	Sr 407.771†	30342.2	29116.9	0.0498 mg/L	0.0498 mg/L	19:11:14
2	Y 371.029	3246762.3	3246762.3	1.04 mg/L		19:11:43
2	Ag 328.068†	43596.7	39953.4	0.2479 mg/L	0.2479 mg/L	19:11:43
2	Al 237.313†	26984.4	26138.6	2.505 mg/L	2.505 mg/L	19:11:53
2	As 188.979†	660.9	628.7	0.4932 mg/L	0.4932 mg/L	19:11:53
2	B 182.528†	429.1	420.0	0.4857 mg/L	0.4857 mg/L	19:11:53
2	Ba 233.527†	57755.9	55697.1	0.5011 mg/L	0.5011 mg/L	19:11:43
2	Be 313.107†	106877.2	103849.5	0.0502 mg/L	0.0502 mg/L	19:11:43
2	Ca 315.887†	730738.1	702313.0	4.985 mg/L	4.985 mg/L	19:11:43
2	Cd 228.802†	9695.1	9245.3	0.2428 mg/L	0.2428 mg/L	19:11:53
2	Co 228.616†	30125.7	29051.6	0.5012 mg/L	0.5012 mg/L	19:11:53
2	Cr 267.716†	64997.3	61969.6	0.4993 mg/L	0.4993 mg/L	19:11:43
2	Cu 324.752†	119949.5	113767.3	0.5014 mg/L	0.5014 mg/L	19:11:43
2	Fe 238.204†	409503.2	393568.5	2.501 mg/L	2.501 mg/L	19:11:43

2	Mg	279.077†	89018.3	85416.4	5.020 mg/L	5.020 mg/L	19:11:43
2	Mn	257.610†	447166.6	430155.4	0.4973 mg/L	0.4973 mg/L	19:11:43
2	Mo	202.031†	13175.9	12702.8	0.4910 mg/L	0.4910 mg/L	19:11:53
2	Ni	231.604†	24805.5	23883.0	0.5032 mg/L	0.5032 mg/L	19:11:43
2	P	214.914†	12826.7	12090.5	4.905 mg/L	4.905 mg/L	19:11:53
2	Pb	220.353†	8700.5	8366.6	0.4962 mg/L	0.4962 mg/L	19:11:53
2	Sb	206.836†	951.2	880.5	0.4957 mg/L	0.4957 mg/L	19:11:53
2	Se	196.026†	1608.3	1551.0	0.9859 mg/L	0.9859 mg/L	19:11:53
2	Sn	189.927†	3893.2	3752.6	0.4983 mg/L	0.4983 mg/L	19:11:53
2	Ti	337.279†	428471.8	413803.1	0.4964 mg/L	0.4964 mg/L	19:11:43
2	Tl	190.801†	958.5	915.5	0.4952 mg/L	0.4952 mg/L	19:11:53
2	V	292.402†	111098.1	107932.8	0.5026 mg/L	0.5026 mg/L	19:11:43
2	Zn	213.857†	77761.8	73813.1	0.4921 mg/L	0.4921 mg/L	19:11:43

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3249992.0	1.04 mg/L	0.001			0.14%
Ag 328.068†	39910.6	0.2476 mg/L	0.00038	0.2476 mg/L	0.00038	0.15%
	QC value within limits for Ag 328.068	Recovery = 99.04%				
Al 237.313†	26150.7	2.507 mg/L	0.0016	2.507 mg/L	0.0016	0.07%
	QC value within limits for Al 237.313	Recovery = 100.26%				
As 188.979†	631.9	0.4957 mg/L	0.00353	0.4957 mg/L	0.00353	0.71%
	QC value within limits for As 188.979	Recovery = 99.15%				
B 182.528†	421.1	0.4870 mg/L	0.00176	0.4870 mg/L	0.00176	0.36%
	QC value within limits for B 182.528	Recovery = 97.39%				
B 249.677†	428.9	0.5040 mg/L	0.01126	0.5040 mg/L	0.01126	2.23%
	QC value within limits for B 249.677	Recovery = 100.81%				
Ba 233.527†	55712.3	0.5012 mg/L	0.00019	0.5012 mg/L	0.00019	0.04%
	QC value within limits for Ba 233.527	Recovery = 100.24%				
Be 313.107†	103645.4	0.0501 mg/L	0.00014	0.0501 mg/L	0.00014	0.28%
	QC value within limits for Be 313.107	Recovery = 100.11%				
Ca 315.887†	702303.9	4.985 mg/L	0.0001	4.985 mg/L	0.0001	0.00%
	QC value within limits for Ca 315.887	Recovery = 99.70%				
Cd 228.802†	9237.6	0.2426 mg/L	0.00031	0.2426 mg/L	0.00031	0.13%
	QC value within limits for Cd 228.802	Recovery = 97.03%				
Co 228.616†	29041.0	0.5011 mg/L	0.00026	0.5011 mg/L	0.00026	0.05%
	QC value within limits for Co 228.616	Recovery = 100.21%				
Cr 267.716†	61945.4	0.4991 mg/L	0.00028	0.4991 mg/L	0.00028	0.06%
	QC value within limits for Cr 267.716	Recovery = 99.81%				
Cu 324.752†	113619.7	0.5007 mg/L	0.00092	0.5007 mg/L	0.00092	0.18%
	QC value within limits for Cu 324.752	Recovery = 100.15%				
Fe 234.349†	1608.7	2.528 mg/L	0.0139	2.528 mg/L	0.0139	0.55%
	QC value within limits for Fe 234.349	Recovery = 101.14%				
Fe 238.204†	393569.0	2.501 mg/L	0.0000	2.501 mg/L	0.0000	0.00%
	QC value within limits for Fe 238.204	Recovery = 100.02%				
K 766.490†	33018.6	24.65 mg/L	0.030	24.65 mg/L	0.030	0.12%
	QC value within limits for K 766.490	Recovery = 98.61%				
Li 670.784†	8626.5	0.4969 mg/L	0.00108	0.4969 mg/L	0.00108	0.22%
	QC value within limits for Li 670.784	Recovery = 99.38%				
Mg 279.077†	85398.5	5.019 mg/L	0.0015	5.019 mg/L	0.0015	0.03%
	QC value within limits for Mg 279.077	Recovery = 100.38%				
Mn 257.610†	429681.9	0.4967 mg/L	0.00078	0.4967 mg/L	0.00078	0.16%
	QC value within limits for Mn 257.610	Recovery = 99.35%				
Mo 202.031†	12671.6	0.4898 mg/L	0.00171	0.4898 mg/L	0.00171	0.35%
	QC value within limits for Mo 202.031	Recovery = 97.95%				
Na 589.592†	91291.9	25.11 mg/L	0.015	25.11 mg/L	0.015	0.06%
	QC value within limits for Na 589.592	Recovery = 100.46%				
Ni 231.604†	23878.9	0.5031 mg/L	0.00013	0.5031 mg/L	0.00013	0.02%
	QC value within limits for Ni 231.604	Recovery = 100.61%				
P 214.914†	12071.3	4.897 mg/L	0.0110	4.897 mg/L	0.0110	0.22%
	QC value within limits for P 214.914	Recovery = 97.94%				
Pb 220.353†	8341.6	0.4947 mg/L	0.00211	0.4947 mg/L	0.00211	0.43%
	QC value within limits for Pb 220.353	Recovery = 98.95%				
Sb 206.836†	882.2	0.4967 mg/L	0.00138	0.4967 mg/L	0.00138	0.28%
	QC value within limits for Sb 206.836	Recovery = 99.34%				
Se 196.026†	1552.1	0.9866 mg/L	0.00099	0.9866 mg/L	0.00099	0.10%
	QC value within limits for Se 196.026	Recovery = 98.66%				
Sn 189.927†	3760.8	0.4994 mg/L	0.00149	0.4994 mg/L	0.00149	0.30%
	QC value within limits for Sn 189.927	Recovery = 99.88%				
Sr 407.771†	29117.5	0.0498 mg/L	0.00000	0.0498 mg/L	0.00000	0.00%
	QC value within limits for Sr 407.771	Recovery = 99.61%				

Ti 337.279† 413346.4 0.4958 mg/L 0.00077 0.4958 mg/L 0.00077 0.16%
 QC value within limits for Ti 337.279 Recovery = 99.17%
 Tl 190.801† 909.2 0.4917 mg/L 0.00490 0.4917 mg/L 0.00490 1.00%
 QC value within limits for Tl 190.801 Recovery = 98.35%
 V 292.402† 107930.1 0.5025 mg/L 0.00003 0.5025 mg/L 0.00003 0.01%
 QC value within limits for V 292.402 Recovery = 100.51%
 Zn 213.857† 73853.5 0.4924 mg/L 0.00039 0.4924 mg/L 0.00039 0.08%
 QC value within limits for Zn 213.857 Recovery = 98.48%
 All analyte(s) passed QC.

=====

Sequence No.: 38 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/11/2012 7:13:32 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:
 User canceled analysis.

=====

Analysis Begun

Start Time: 10/11/2012 7:14:31 PM Plasma On Time: 10/11/2012 7:37:31 AM
 Logged In Analyst: ICP3 Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\101112NB.sif
 Batch ID:
 Results Data Set: 101112NBD
 Results Library: C:\pe\ICP3\Results\Results.mdb

=====

Sequence No.: 1 Autosampler Location: 3
 Sample ID: CCV1 Date Collected: 10/11/2012 7:14:31 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:
 User canceled analysis.

=====

Analysis Begun

Start Time: 10/11/2012 7:14:56 PM Plasma On Time: 10/11/2012 7:37:31 AM
 Logged In Analyst: ICP3 Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\101112NB.sif
 Batch ID:
 Results Data Set: 101112NBD
 Results Library: C:\pe\ICP3\Results\Results.mdb

=====

Sequence No.: 38 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/11/2012 7:14:56 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	5.8	2.1	0.0037 mg/L	0.0037 mg/L	19:16:53
1	Fe 234.349†	6.2	1.3	0.0029 mg/L	0.0029 mg/L	19:16:53
1	K 766.490†	324.4	-16.8	0.0323 mg/L	0.0323 mg/L	19:16:42
1	Li 670.784†	-155.6	50.3	0.0040 mg/L	0.0040 mg/L	19:16:42
1	Na 589.592†	-186.6	125.0	-0.0438 mg/L	-0.0438 mg/L	19:16:42
1	Sr 407.771†	94.0	-24.7	0.0000 mg/L	0.0000 mg/L	19:16:42
1	Y 371.029	3492836.6	3492836.6	1.12 mg/L		19:17:16
1	Ag 328.068†	2001.9	-246.7	-0.0018 mg/L	-0.0018 mg/L	19:17:19
1	Al 237.313†	-136.7	24.8	-0.0143 mg/L	-0.0143 mg/L	19:17:19
1	As 188.979†	13.9	4.6	0.0054 mg/L	0.0054 mg/L	19:17:29
1	B 182.528†	-4.6	2.5	0.0047 mg/L	0.0047 mg/L	19:17:29
1	Ba 233.527†	-70.8	3.2	-0.0015 mg/L	-0.0015 mg/L	19:17:29

1	Be	313.107†	-779.7	206.9	0.0002	mg/L	0.0002	mg/L	19:17:19
1	Ca	315.887†	701.3	-908.0	-0.0200	mg/L	-0.0200	mg/L	19:17:19
1	Cd	228.802†	85.2	-16.7	-0.0005	mg/L	-0.0005	mg/L	19:17:29
1	Co	228.616†	-36.6	1.7	-0.0045	mg/L	-0.0045	mg/L	19:17:29
1	Cr	267.716†	684.0	-23.5	-0.0007	mg/L	-0.0007	mg/L	19:17:19
1	Cu	324.752†	1978.1	2.6	-0.0020	mg/L	-0.0020	mg/L	19:17:19
1	Fe	238.204†	660.2	-275.0	-0.0109	mg/L	-0.0109	mg/L	19:17:29
1	Mg	279.077†	214.5	-134.3	-0.0353	mg/L	-0.0353	mg/L	19:17:19
1	Mn	257.610†	525.5	-86.2	-0.0023	mg/L	-0.0023	mg/L	19:17:19
1	Mo	202.031†	-7.3	5.2	0.0006	mg/L	0.0006	mg/L	19:17:29
1	Ni	231.604†	23.4	11.3	-0.0025	mg/L	-0.0025	mg/L	19:17:19
1	P	214.914†	259.3	-32.0	0.0026	mg/L	0.0026	mg/L	19:17:29
1	Pb	220.353†	14.1	-1.2	-0.0027	mg/L	-0.0027	mg/L	19:17:29
1	Sb	206.836†	44.4	4.0	0.0008	mg/L	0.0008	mg/L	19:17:29
1	Se	196.026†	5.0	6.5	0.0061	mg/L	0.0061	mg/L	19:17:29
1	Sn	189.927†	-3.1	-0.1	-0.0022	mg/L	-0.0022	mg/L	19:17:29
1	Ti	337.279†	-791.1	389.6	0.0016	mg/L	0.0016	mg/L	19:17:19
1	Tl	190.801†	4.6	-3.6	-0.0079	mg/L	-0.0079	mg/L	19:17:29
1	V	292.402†	-1003.3	24.5	0.0022	mg/L	0.0022	mg/L	19:17:19
1	Zn	213.857†	1186.3	-25.2	-0.0036	mg/L	-0.0036	mg/L	19:17:29
2	B	249.677†	4.5	0.9	0.0023	mg/L	0.0023	mg/L	19:17:13
2	Fe	234.349†	-0.8	-4.9	-0.0069	mg/L	-0.0069	mg/L	19:17:13
2	K	766.490†	315.0	-19.8	0.0301	mg/L	0.0301	mg/L	19:17:03
2	Li	670.784†	-189.5	16.7	0.0021	mg/L	0.0021	mg/L	19:17:03
2	Na	589.592†	-185.0	123.3	-0.0443	mg/L	-0.0443	mg/L	19:17:03
2	Sr	407.771†	108.7	-9.7	0.0000	mg/L	0.0000	mg/L	19:17:03
2	Y	371.029	3427419.7	3427419.7	1.10	mg/L			19:17:31
2	Ag	328.068†	1979.3	-233.0	-0.0017	mg/L	-0.0017	mg/L	19:17:33
2	Al	237.313†	-132.5	26.3	-0.0142	mg/L	-0.0142	mg/L	19:17:33
2	As	188.979†	12.1	3.2	0.0044	mg/L	0.0044	mg/L	19:17:44
2	B	182.528†	-7.9	-0.5	0.0011	mg/L	0.0011	mg/L	19:17:44
2	Ba	233.527†	-50.6	20.3	-0.0014	mg/L	-0.0014	mg/L	19:17:44
2	Be	313.107†	-878.4	103.6	0.0001	mg/L	0.0001	mg/L	19:17:33
2	Ca	315.887†	439.8	-1134.6	-0.0217	mg/L	-0.0217	mg/L	19:17:33
2	Cd	228.802†	95.0	-6.3	-0.0002	mg/L	-0.0002	mg/L	19:17:44
2	Co	228.616†	-37.3	0.4	-0.0045	mg/L	-0.0045	mg/L	19:17:44
2	Cr	267.716†	647.8	-44.8	-0.0009	mg/L	-0.0009	mg/L	19:17:33
2	Cu	324.752†	1925.3	-11.8	-0.0020	mg/L	-0.0020	mg/L	19:17:33
2	Fe	238.204†	570.0	-346.1	-0.0114	mg/L	-0.0114	mg/L	19:17:44
2	Mg	279.077†	244.9	-102.8	-0.0334	mg/L	-0.0334	mg/L	19:17:33
2	Mn	257.610†	504.9	-96.0	-0.0023	mg/L	-0.0023	mg/L	19:17:33
2	Mo	202.031†	-8.3	4.2	0.0005	mg/L	0.0005	mg/L	19:17:44
2	Ni	231.604†	2.2	-7.7	-0.0029	mg/L	-0.0029	mg/L	19:17:33
2	P	214.914†	264.5	-22.9	0.0063	mg/L	0.0063	mg/L	19:17:44
2	Pb	220.353†	-8.3	-21.4	-0.0039	mg/L	-0.0039	mg/L	19:17:44
2	Sb	206.836†	40.8	1.5	-0.0006	mg/L	-0.0006	mg/L	19:17:44
2	Se	196.026†	1.2	3.0	0.0039	mg/L	0.0039	mg/L	19:17:44
2	Sn	189.927†	-1.6	1.2	-0.0021	mg/L	-0.0021	mg/L	19:17:44
2	Ti	337.279†	-955.7	225.9	0.0015	mg/L	0.0015	mg/L	19:17:33
2	Tl	190.801†	6.1	-2.1	-0.0071	mg/L	-0.0071	mg/L	19:17:44
2	V	292.402†	-1058.4	-42.9	0.0019	mg/L	0.0019	mg/L	19:17:33
2	Zn	213.857†	1158.0	-30.7	-0.0036	mg/L	-0.0036	mg/L	19:17:44

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3460128.2	1.11 mg/L	0.015			1.34%
Ag 328.068†	-239.8	-0.0018 mg/L	0.00006	-0.0018 mg/L	0.00006	3.38%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	25.6	-0.0143 mg/L	0.00010	-0.0143 mg/L	0.00010	0.72%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	3.9	0.0049 mg/L	0.00075	0.0049 mg/L	0.00075	15.42%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	1.0	0.0029 mg/L	0.00250	0.0029 mg/L	0.00250	85.82%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	1.5	0.0030 mg/L	0.00096	0.0030 mg/L	0.00096	31.94%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	11.8	-0.0015 mg/L	0.00011	-0.0015 mg/L	0.00011	7.56%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	155.2	0.0002 mg/L	0.00004	0.0002 mg/L	0.00004	23.48%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-1021.3	-0.0209 mg/L	0.00114	-0.0209 mg/L	0.00114	5.47%

	QC value within limits for Ca 315.887	Recovery = Not calculated				
Cd	228.802†	-11.5	-0.0004 mg/L	0.00020	-0.0004 mg/L	0.00020 52.92%
	QC value within limits for Cd 228.802	Recovery = Not calculated				
Co	228.616†	1.1	-0.0045 mg/L	0.00002	-0.0045 mg/L	0.00002 0.34%
	QC value less than the lower limit for Co 228.616	Recovery = Not calculated				
Cr	267.716†	-34.2	-0.0008 mg/L	0.00012	-0.0008 mg/L	0.00012 14.89%
	QC value within limits for Cr 267.716	Recovery = Not calculated				
Cu	324.752†	-4.6	-0.0020 mg/L	0.00005	-0.0020 mg/L	0.00005 2.25%
	QC value within limits for Cu 324.752	Recovery = Not calculated				
Fe	234.349†	-1.8	-0.0020 mg/L	0.00695	-0.0020 mg/L	0.00695 341.83%
	QC value within limits for Fe 234.349	Recovery = Not calculated				
Fe	238.204†	-310.5	-0.0112 mg/L	0.00032	-0.0112 mg/L	0.00032 2.87%
	QC value within limits for Fe 238.204	Recovery = Not calculated				
K	766.490†	-18.3	0.0312 mg/L	0.00159	0.0312 mg/L	0.00159 5.09%
	QC value within limits for K 766.490	Recovery = Not calculated				
Li	670.784†	33.5	0.0031 mg/L	0.00137	0.0031 mg/L	0.00137 44.77%
	QC value within limits for Li 670.784	Recovery = Not calculated				
Mg	279.077†	-118.6	-0.0344 mg/L	0.00131	-0.0344 mg/L	0.00131 3.82%
	QC value less than the lower limit for Mg 279.077	Recovery = Not calculated				
Mn	257.610†	-91.1	-0.0023 mg/L	0.00001	-0.0023 mg/L	0.00001 0.36%
	QC value within limits for Mn 257.610	Recovery = Not calculated				
Mo	202.031†	4.7	0.0005 mg/L	0.00003	0.0005 mg/L	0.00003 4.69%
	QC value within limits for Mo 202.031	Recovery = Not calculated				
Na	589.592†	124.2	-0.0440 mg/L	0.00032	-0.0440 mg/L	0.00032 0.74%
	QC value within limits for Na 589.592	Recovery = Not calculated				
Ni	231.604†	1.8	-0.0027 mg/L	0.00028	-0.0027 mg/L	0.00028 10.65%
	QC value less than the lower limit for Ni 231.604	Recovery = Not calculated				
P	214.914†	-27.5	0.0045 mg/L	0.00261	0.0045 mg/L	0.00261 58.56%
	QC value within limits for P 214.914	Recovery = Not calculated				
Pb	220.353†	-11.3	-0.0033 mg/L	0.00085	-0.0033 mg/L	0.00085 25.89%
	QC value within limits for Pb 220.353	Recovery = Not calculated				
Sb	206.836†	2.8	0.0001 mg/L	0.00102	0.0001 mg/L	0.00102 903.07%
	QC value within limits for Sb 206.836	Recovery = Not calculated				
Se	196.026†	4.7	0.0050 mg/L	0.00155	0.0050 mg/L	0.00155 30.86%
	QC value within limits for Se 196.026	Recovery = Not calculated				
Sn	189.927†	0.5	-0.0022 mg/L	0.00010	-0.0022 mg/L	0.00010 4.61%
	QC value within limits for Sn 189.927	Recovery = Not calculated				
Sr	407.771†	-17.2	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002 77.17%
	QC value within limits for Sr 407.771	Recovery = Not calculated				
Ti	337.279†	307.7	0.0015 mg/L	0.00014	0.0015 mg/L	0.00014 8.95%
	QC value greater than the upper limit for Ti 337.279	Recovery = Not calculated				
Tl	190.801†	-2.8	-0.0075 mg/L	0.00058	-0.0075 mg/L	0.00058 7.70%
	QC value within limits for Tl 190.801	Recovery = Not calculated				
V	292.402†	-9.2	0.0020 mg/L	0.00022	0.0020 mg/L	0.00022 10.84%
	QC value greater than the upper limit for V 292.402	Recovery = Not calculated				
Zn	213.857†	-28.0	-0.0036 mg/L	0.00002	-0.0036 mg/L	0.00002 0.70%
	QC value within limits for Zn 213.857	Recovery = Not calculated				
QC Failed. Continue with analysis.						

Sequence No.: 39	Autosampler Location: 39
Sample ID: 1210173-01 SPLP	Date Collected: 10/11/2012 7:19:21 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210173-01 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	70.6	65.8	0.0785 mg/L	0.0785 mg/L	19:21:15
1	Fe 234.349†	115.2	108.3	0.0884 mg/L	0.0884 mg/L	19:21:15
1	K 766.490†	1265.1	927.9	0.7364 mg/L	0.7364 mg/L	19:21:05
1	Li 670.784†	-134.6	58.1	0.0045 mg/L	0.0045 mg/L	19:21:05
1	Na 589.592†	30236.8	29813.2	8.149 mg/L	8.149 mg/L	19:21:05
1	Sr 407.771†	128659.6	125505.4	0.2147 mg/L	0.2147 mg/L	19:21:05
1	Y 371.029	3203108.2	3203108.2	1.02 mg/L		19:21:35
1	Ag 328.068†	1732.8	-347.2	-0.0024 mg/L	-0.0024 mg/L	19:21:38
1	Al 237.313†	28940.9	28403.1	2.718 mg/L	2.718 mg/L	19:21:38
1	As 188.979†	-13.9	-21.5	-0.0149 mg/L	-0.0149 mg/L	19:21:48
1	B 182.528†	28.2	34.2	0.0412 mg/L	0.0412 mg/L	19:21:48
1	Ba 233.527†	996.4	1039.3	0.0078 mg/L	0.0078 mg/L	19:21:48
1	Be 313.107†	-1071.3	-140.9	0.0000 mg/L	0.0000 mg/L	19:21:38

1	Ca	315.887†	13418120.7	13098977.2	93.17	mg/L	93.17	mg/L	19:21:33
1	Cd	228.802†	99.2	3.9	0.0001	mg/L	0.0001	mg/L	19:21:48
1	Co	228.616†	-2.2	32.3	-0.0039	mg/L	-0.0039	mg/L	19:21:48
1	Cr	267.716†	1688.2	1012.3	0.0076	mg/L	0.0076	mg/L	19:21:38
1	Cu	324.752†	9010.6	7028.9	0.0291	mg/L	0.0291	mg/L	19:21:38
1	Fe	238.204†	7354.0	6313.8	0.0311	mg/L	0.0311	mg/L	19:21:48
1	Mg	279.077†	1907.9	1536.4	0.0634	mg/L	0.0634	mg/L	19:21:38
1	Mn	257.610†	1634.2	1038.9	-0.0009	mg/L	-0.0009	mg/L	19:21:48
1	Mo	202.031†	392.8	395.2	0.0156	mg/L	0.0156	mg/L	19:21:48
1	Ni	231.604†	85.6	73.9	-0.0011	mg/L	-0.0011	mg/L	19:21:48
1	P	214.914†	442.8	168.1	0.0834	mg/L	0.0834	mg/L	19:21:48
1	Pb	220.353†	-57.0	-69.4	-0.0076	mg/L	-0.0076	mg/L	19:21:48
1	Sb	206.836†	47.5	10.6	0.0045	mg/L	0.0045	mg/L	19:21:48
1	Se	196.026†	-7.3	-5.2	-0.0012	mg/L	-0.0012	mg/L	19:21:48
1	Sn	189.927†	-532.5	-517.2	-0.0697	mg/L	-0.0697	mg/L	19:21:48
1	Ti	337.279†	-152.3	949.2	0.0023	mg/L	0.0023	mg/L	19:21:38
1	Tl	190.801†	32.8	24.3	0.0074	mg/L	0.0074	mg/L	19:21:48
1	V	292.402†	7694.7	8435.5	0.0409	mg/L	0.0409	mg/L	19:21:38
1	Zn	213.857†	3376.9	2209.6	0.0115	mg/L	0.0115	mg/L	19:21:48
2	B	249.677†	69.2	64.7	0.0771	mg/L	0.0771	mg/L	19:21:28
2	Fe	234.349†	108.7	102.3	0.0792	mg/L	0.0792	mg/L	19:21:28
2	K	766.490†	1153.4	822.9	0.6582	mg/L	0.6582	mg/L	19:21:18
2	Li	670.784†	-70.7	120.3	0.0080	mg/L	0.0080	mg/L	19:21:18
2	Na	589.592†	29800.2	29491.0	8.060	mg/L	8.060	mg/L	19:21:18
2	Sr	407.771†	127020.5	124348.9	0.2127	mg/L	0.2127	mg/L	19:21:18
2	Y	371.029	3191689.1	3191689.1	1.02	mg/L	1.02	mg/L	19:21:54
2	Ag	328.068†	1775.2	-299.6	-0.0021	mg/L	-0.0021	mg/L	19:21:56
2	Al	237.313†	28727.1	28294.7	2.708	mg/L	2.708	mg/L	19:21:56
2	As	188.979†	-18.7	-26.2	-0.0186	mg/L	-0.0186	mg/L	19:22:06
2	B	182.528†	26.6	32.7	0.0395	mg/L	0.0395	mg/L	19:22:06
2	Ba	233.527†	1001.1	1047.4	0.0079	mg/L	0.0079	mg/L	19:22:06
2	Be	313.107†	-1109.7	-182.3	0.0000	mg/L	0.0000	mg/L	19:21:56
2	Ca	315.887†	13345945.5	13075128.7	93.00	mg/L	93.00	mg/L	19:21:52
2	Cd	228.802†	86.5	-8.3	-0.0002	mg/L	-0.0002	mg/L	19:22:06
2	Co	228.616†	-18.2	16.6	-0.0042	mg/L	-0.0042	mg/L	19:22:06
2	Cr	267.716†	1681.5	1011.6	0.0076	mg/L	0.0076	mg/L	19:21:56
2	Cu	324.752†	8791.4	6845.6	0.0283	mg/L	0.0283	mg/L	19:21:56
2	Fe	238.204†	7379.6	6364.6	0.0314	mg/L	0.0314	mg/L	19:22:06
2	Mg	279.077†	1894.4	1529.9	0.0630	mg/L	0.0630	mg/L	19:21:56
2	Mn	257.610†	1743.5	1151.6	-0.0008	mg/L	-0.0008	mg/L	19:22:06
2	Mo	202.031†	383.7	387.7	0.0153	mg/L	0.0153	mg/L	19:22:06
2	Ni	231.604†	79.8	68.5	-0.0012	mg/L	-0.0012	mg/L	19:22:06
2	P	214.914†	430.6	157.7	0.0792	mg/L	0.0792	mg/L	19:22:06
2	Pb	220.353†	-62.7	-75.2	-0.0079	mg/L	-0.0079	mg/L	19:22:06
2	Sb	206.836†	47.6	10.9	0.0047	mg/L	0.0047	mg/L	19:22:06
2	Se	196.026†	-11.7	-9.5	-0.0039	mg/L	-0.0039	mg/L	19:22:06
2	Sn	189.927†	-506.0	-493.1	-0.0665	mg/L	-0.0665	mg/L	19:22:06
2	Ti	337.279†	-307.4	796.7	0.0021	mg/L	0.0021	mg/L	19:21:56
2	Tl	190.801†	29.3	21.0	0.0055	mg/L	0.0055	mg/L	19:22:06
2	V	292.402†	7442.5	8215.2	0.0398	mg/L	0.0398	mg/L	19:21:56
2	Zn	213.857†	3384.4	2228.9	0.0116	mg/L	0.0116	mg/L	19:22:06

Mean Data: 1210173-01 SPLP

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3197398.7	1.02	mg/L	0.003				0.25%
Ag 328.068†	-323.4	-0.0023	mg/L	0.00021	-0.0023	mg/L	0.00021	9.25%
Al 237.313†	28348.9	2.713	mg/L	0.0074	2.713	mg/L	0.0074	0.27%
As 188.979†	-23.8	-0.0168	mg/L	0.00262	-0.0168	mg/L	0.00262	15.61%
B 182.528†	33.5	0.0403	mg/L	0.00121	0.0403	mg/L	0.00121	3.00%
B 249.677†	65.2	0.0778	mg/L	0.00096	0.0778	mg/L	0.00096	1.23%
Ba 233.527†	1043.4	0.0078	mg/L	0.00005	0.0078	mg/L	0.00005	0.67%
Be 313.107†	-161.6	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	795.79%
Ca 315.887†	13087052.9	93.08	mg/L	0.120	93.08	mg/L	0.120	0.13%
Cd 228.802†	-2.2	0.0000	mg/L	0.00022	0.0000	mg/L	0.00022	630.96%
Co 228.616†	24.5	-0.0041	mg/L	0.00019	-0.0041	mg/L	0.00019	4.77%
Cr 267.716†	1011.9	0.0076	mg/L	0.00000	0.0076	mg/L	0.00000	0.05%
Cu 324.752†	6937.2	0.0287	mg/L	0.00057	0.0287	mg/L	0.00057	2.00%
Fe 234.349†	105.3	0.0838	mg/L	0.00655	0.0838	mg/L	0.00655	7.82%
Fe 238.204†	6339.2	0.0313	mg/L	0.00023	0.0313	mg/L	0.00023	0.73%
K 766.490†	875.4	0.6973	mg/L	0.05536	0.6973	mg/L	0.05536	7.94%
Li 670.784†	89.2	0.0063	mg/L	0.00253	0.0063	mg/L	0.00253	40.38%

Mg 279.077†	1533.2	0.0632 mg/L	0.00027	0.0632 mg/L	0.00027	0.43%
Mn 257.610†	1095.3	-0.0009 mg/L	0.00009	-0.0009 mg/L	0.00009	10.51%
Mo 202.031†	391.5	0.0154 mg/L	0.00020	0.0154 mg/L	0.00020	1.32%
Na 589.592†	29652.1	8.105 mg/L	0.0629	8.105 mg/L	0.0629	0.78%
Ni 231.604†	71.2	-0.0012 mg/L	0.00008	-0.0012 mg/L	0.00008	6.84%
P 214.914†	162.9	0.0813 mg/L	0.00298	0.0813 mg/L	0.00298	3.67%
Pb 220.353†	-72.3	-0.0077 mg/L	0.00025	-0.0077 mg/L	0.00025	3.17%
Sb 206.836†	10.8	0.0046 mg/L	0.00012	0.0046 mg/L	0.00012	2.61%
Se 196.026†	-7.4	-0.0026 mg/L	0.00196	-0.0026 mg/L	0.00196	76.67%
Sn 189.927†	-505.2	-0.0681 mg/L	0.00222	-0.0681 mg/L	0.00222	3.26%
Sr 407.771†	124927.1	0.2137 mg/L	0.00140	0.2137 mg/L	0.00140	0.65%
Ti 337.279†	873.0	0.0022 mg/L	0.00013	0.0022 mg/L	0.00013	5.80%
Tl 190.801†	22.7	0.0065 mg/L	0.00130	0.0065 mg/L	0.00130	20.19%
V 292.402†	8325.3	0.0403 mg/L	0.00071	0.0403 mg/L	0.00071	1.77%
Zn 213.857†	2219.3	0.0116 mg/L	0.00009	0.0116 mg/L	0.00009	0.81%

Sequence No.: 40

Sample ID: 1210173-02 SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 40

Date Collected: 10/11/2012 7:23:47 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210173-02 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	86.2	79.6	0.0947 mg/L	0.0947 mg/L	19:25:35
1	Fe 234.349†	276.4	261.2	0.3844 mg/L	0.3844 mg/L	19:25:35
1	K 766.490†	1580.3	1210.2	0.9468 mg/L	0.9468 mg/L	19:25:25
1	Li 670.784†	-173.2	23.3	0.0025 mg/L	0.0025 mg/L	19:25:25
1	Na 589.592†	12926.8	12704.9	3.428 mg/L	3.428 mg/L	19:25:25
1	Sr 407.771†	48315.5	46285.8	0.0792 mg/L	0.0792 mg/L	19:25:25
1	Y 371.029	3256776.4	3256776.4	1.04 mg/L		19:25:51
1	Ag 328.068†	1905.1	-209.7	-0.0015 mg/L	-0.0015 mg/L	19:25:54
1	Al 237.313†	16796.7	16276.1	1.551 mg/L	1.551 mg/L	19:25:54
1	As 188.979†	0.1	-7.8	-0.0041 mg/L	-0.0041 mg/L	19:26:04
1	B 182.528†	62.1	66.3	0.0782 mg/L	0.0782 mg/L	19:26:04
1	Ba 233.527†	739.4	776.5	0.0054 mg/L	0.0054 mg/L	19:26:04
1	Be 313.107†	-933.7	8.5	0.0001 mg/L	0.0001 mg/L	19:25:54
1	Ca 315.887†	4709704.7	4520916.0	32.15 mg/L	32.15 mg/L	19:25:51
1	Cd 228.802†	97.2	0.4	0.0000 mg/L	0.0000 mg/L	19:26:04
1	Co 228.616†	-51.5	-15.0	-0.0048 mg/L	-0.0048 mg/L	19:26:04
1	Cr 267.716†	971.2	296.6	0.0019 mg/L	0.0019 mg/L	19:25:54
1	Cu 324.752†	5059.5	3089.9	0.0117 mg/L	0.0117 mg/L	19:25:54
1	Fe 238.204†	57880.2	54712.7	0.3396 mg/L	0.3396 mg/L	19:25:54
1	Mg 279.077†	5140.8	4610.1	0.2450 mg/L	0.2450 mg/L	19:25:54
1	Mn 257.610†	10761.4	9776.9	0.0092 mg/L	0.0092 mg/L	19:25:54
1	Mo 202.031†	241.6	243.8	0.0097 mg/L	0.0097 mg/L	19:26:04
1	Ni 231.604†	57.8	45.8	-0.0017 mg/L	-0.0017 mg/L	19:26:04
1	P 214.914†	722.0	429.1	0.1900 mg/L	0.1900 mg/L	19:26:04
1	Pb 220.353†	-10.8	-24.1	-0.0045 mg/L	-0.0045 mg/L	19:26:04
1	Sb 206.836†	47.1	9.5	0.0038 mg/L	0.0038 mg/L	19:26:04
1	Se 196.026†	-10.5	-8.1	-0.0029 mg/L	-0.0029 mg/L	19:26:04
1	Sn 189.927†	-320.7	-305.3	-0.0411 mg/L	-0.0411 mg/L	19:26:04
1	Ti 337.279†	12882.9	13468.6	0.0173 mg/L	0.0173 mg/L	19:25:54
1	Tl 190.801†	17.8	9.4	-0.0010 mg/L	-0.0010 mg/L	19:26:04
1	V 292.402†	4987.2	5711.8	0.0282 mg/L	0.0282 mg/L	19:25:54
1	Zn 213.857†	2183.9	1009.8	0.0034 mg/L	0.0034 mg/L	19:26:04
2	B 249.677†	85.8	79.0	0.0940 mg/L	0.0940 mg/L	19:25:47
2	Fe 234.349†	275.4	259.4	0.3815 mg/L	0.3815 mg/L	19:25:47
2	K 766.490†	1580.5	1205.7	0.9435 mg/L	0.9435 mg/L	19:25:37
2	Li 670.784†	-195.3	2.7	0.0013 mg/L	0.0013 mg/L	19:25:37
2	Na 589.592†	12830.8	12574.2	3.392 mg/L	3.392 mg/L	19:25:37
2	Sr 407.771†	47471.6	45332.9	0.0775 mg/L	0.0775 mg/L	19:25:37
2	Y 371.029	3266993.7	3266993.7	1.04 mg/L		19:26:07
2	Ag 328.068†	1875.4	-243.8	-0.0017 mg/L	-0.0017 mg/L	19:26:09
2	Al 237.313†	16958.3	16380.3	1.561 mg/L	1.561 mg/L	19:26:09
2	As 188.979†	2.4	-5.6	-0.0024 mg/L	-0.0024 mg/L	19:26:19
2	B 182.528†	63.2	67.2	0.0791 mg/L	0.0791 mg/L	19:26:19
2	Ba 233.527†	757.2	791.4	0.0056 mg/L	0.0056 mg/L	19:26:19
2	Be 313.107†	-944.0	1.5	0.0001 mg/L	0.0001 mg/L	19:26:09
2	Ca 315.887†	4720046.2	4516671.7	32.12 mg/L	32.12 mg/L	19:26:07

2	Cd	228.802†	85.7	-10.9	-0.0003	mg/L	-0.0003	mg/L	19:26:19
2	Co	228.616†	-26.3	9.3	-0.0044	mg/L	-0.0044	mg/L	19:26:19
2	Cr	267.716†	938.2	262.1	0.0016	mg/L	0.0016	mg/L	19:26:09
2	Cu	324.752†	5007.6	3025.0	0.0114	mg/L	0.0114	mg/L	19:26:09
2	Fe	238.204†	57942.2	54598.3	0.3389	mg/L	0.3389	mg/L	19:26:09
2	Mg	279.077†	5222.8	4673.2	0.2487	mg/L	0.2487	mg/L	19:26:09
2	Mn	257.610†	10741.7	9725.7	0.0091	mg/L	0.0091	mg/L	19:26:09
2	Mo	202.031†	282.3	282.0	0.0111	mg/L	0.0111	mg/L	19:26:19
2	Ni	231.604†	51.7	39.8	-0.0018	mg/L	-0.0018	mg/L	19:26:19
2	P	214.914†	756.9	460.3	0.2027	mg/L	0.2027	mg/L	19:26:19
2	Pb	220.353†	-27.2	-39.8	-0.0055	mg/L	-0.0055	mg/L	19:26:19
2	Sb	206.836†	47.2	9.5	0.0037	mg/L	0.0037	mg/L	19:26:19
2	Se	196.026†	-1.2	0.8	0.0027	mg/L	0.0027	mg/L	19:26:19
2	Sn	189.927†	-319.2	-302.9	-0.0408	mg/L	-0.0408	mg/L	19:26:19
2	Ti	337.279†	12545.2	13106.6	0.0169	mg/L	0.0169	mg/L	19:26:09
2	Tl	190.801†	20.7	12.1	0.0005	mg/L	0.0005	mg/L	19:26:19
2	V	292.402†	4951.1	5662.3	0.0280	mg/L	0.0280	mg/L	19:26:09
2	Zn	213.857†	2163.5	983.7	0.0032	mg/L	0.0032	mg/L	19:26:19

Mean Data: 1210173-02 SPLP

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3261885.0	1.04	mg/L	0.002				0.22%
Ag 328.068†	-226.8	-0.0016	mg/L	0.00015	-0.0016	mg/L	0.00015	9.18%
Al 237.313†	16328.2	1.556	mg/L	0.0071	1.556	mg/L	0.0071	0.46%
As 188.979†	-6.7	-0.0033	mg/L	0.00122	-0.0033	mg/L	0.00122	37.58%
B 182.528†	66.7	0.0787	mg/L	0.00067	0.0787	mg/L	0.00067	0.85%
B 249.677†	79.3	0.0943	mg/L	0.00051	0.0943	mg/L	0.00051	0.54%
Ba 233.527†	784.0	0.0055	mg/L	0.00009	0.0055	mg/L	0.00009	1.72%
Be 313.107†	5.0	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	3.10%
Ca 315.887†	4518793.9	32.13	mg/L	0.021	32.13	mg/L	0.021	0.07%
Cd 228.802†	-5.3	-0.0002	mg/L	0.00022	-0.0002	mg/L	0.00022	124.66%
Co 228.616†	-2.8	-0.0046	mg/L	0.00030	-0.0046	mg/L	0.00030	6.57%
Cr 267.716†	279.4	0.0017	mg/L	0.00020	0.0017	mg/L	0.00020	11.34%
Cu 324.752†	3057.5	0.0115	mg/L	0.00020	0.0115	mg/L	0.00020	1.76%
Fe 234.349†	260.3	0.3829	mg/L	0.00205	0.3829	mg/L	0.00205	0.53%
Fe 238.204†	54655.5	0.3393	mg/L	0.00052	0.3393	mg/L	0.00052	0.15%
K 766.490†	1208.0	0.9451	mg/L	0.00238	0.9451	mg/L	0.00238	0.25%
Li 670.784†	13.0	0.0019	mg/L	0.00084	0.0019	mg/L	0.00084	44.70%
Mg 279.077†	4641.6	0.2469	mg/L	0.00263	0.2469	mg/L	0.00263	1.07%
Mn 257.610†	9751.3	0.0092	mg/L	0.00004	0.0092	mg/L	0.00004	0.46%
Mo 202.031†	262.9	0.0104	mg/L	0.00105	0.0104	mg/L	0.00105	10.07%
Na 589.592†	12639.6	3.410	mg/L	0.0255	3.410	mg/L	0.0255	0.75%
Ni 231.604†	42.8	-0.0018	mg/L	0.00009	-0.0018	mg/L	0.00009	4.99%
P 214.914†	444.7	0.1963	mg/L	0.00894	0.1963	mg/L	0.00894	4.55%
Pb 220.353†	-32.0	-0.0050	mg/L	0.00067	-0.0050	mg/L	0.00067	13.36%
Sb 206.836†	9.5	0.0038	mg/L	0.00003	0.0038	mg/L	0.00003	0.89%
Se 196.026†	-3.7	-0.0001	mg/L	0.00399	-0.0001	mg/L	0.00399	>999.9%
Sn 189.927†	-304.1	-0.0410	mg/L	0.00022	-0.0410	mg/L	0.00022	0.53%
Sr 407.771†	45809.3	0.0784	mg/L	0.00115	0.0784	mg/L	0.00115	1.47%
Ti 337.279†	13287.6	0.0171	mg/L	0.00031	0.0171	mg/L	0.00031	1.79%
Tl 190.801†	10.8	-0.0003	mg/L	0.00105	-0.0003	mg/L	0.00105	399.56%
V 292.402†	5687.1	0.0281	mg/L	0.00015	0.0281	mg/L	0.00015	0.55%
Zn 213.857†	996.7	0.0033	mg/L	0.00012	0.0033	mg/L	0.00012	3.73%

Sequence No.: 41

Sample ID: 1210173-03 SPLP

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 41

Date Collected: 10/11/2012 7:27:55 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210173-03 SPLP

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	94.9	88.2	0.1048	mg/L	0.1048	mg/L	19:29:44
1	Fe 234.349†	172.7	162.0	0.2108	mg/L	0.2108	mg/L	19:29:44
1	K 766.490†	1914.3	1535.2	1.189	mg/L	1.189	mg/L	19:29:34
1	Li 670.784†	-94.9	98.2	0.0068	mg/L	0.0068	mg/L	19:29:34
1	Na 589.592†	41599.8	40330.5	11.05	mg/L	11.05	mg/L	19:29:34
1	Sr 407.771†	95213.3	91530.8	0.1566	mg/L	0.1566	mg/L	19:29:34

1	Y 371.029	3249245.3	3249245.3	1.04	mg/L			19:30:03
1	Ag 328.068†	1736.3	-367.9	-0.0025	mg/L	-0.0025	mg/L	19:30:06
1	Al 237.313†	18913.2	18350.6	1.750	mg/L	1.750	mg/L	19:30:06
1	As 188.979†	-11.5	-18.9	-0.0129	mg/L	-0.0129	mg/L	19:30:16
1	B 182.528†	54.8	59.4	0.0702	mg/L	0.0702	mg/L	19:30:16
1	Ba 233.527†	977.3	1007.1	0.0075	mg/L	0.0075	mg/L	19:30:16
1	Be 313.107†	-1029.7	-86.0	0.0000	mg/L	0.0000	mg/L	19:30:06
1	Ca 315.887†	7478628.0	7196394.7	51.18	mg/L	51.18	mg/L	19:30:01
1	Cd 228.802†	89.3	-7.1	-0.0002	mg/L	-0.0002	mg/L	19:30:16
1	Co 228.616†	-16.0	19.1	-0.0042	mg/L	-0.0042	mg/L	19:30:16
1	Cr 267.716†	1388.4	700.4	0.0051	mg/L	0.0051	mg/L	19:30:06
1	Cu 324.752†	7699.0	5641.5	0.0230	mg/L	0.0230	mg/L	19:30:06
1	Fe 238.204†	26410.9	24553.4	0.1474	mg/L	0.1474	mg/L	19:30:06
1	Mg 279.077†	3799.3	3330.4	0.1694	mg/L	0.1694	mg/L	19:30:06
1	Mn 257.610†	4712.3	3978.8	0.0025	mg/L	0.0025	mg/L	19:30:16
1	Mo 202.031†	276.0	277.5	0.0110	mg/L	0.0110	mg/L	19:30:16
1	Ni 231.604†	33.4	22.5	-0.0022	mg/L	-0.0022	mg/L	19:30:16
1	P 214.914†	572.1	286.4	0.1317	mg/L	0.1317	mg/L	19:30:16
1	Pb 220.353†	-37.1	-49.5	-0.0061	mg/L	-0.0061	mg/L	19:30:16
1	Sb 206.836†	54.5	16.8	0.0079	mg/L	0.0079	mg/L	19:30:16
1	Se 196.026†	-0.6	1.4	0.0030	mg/L	0.0030	mg/L	19:30:16
1	Sn 189.927†	-397.2	-379.6	-0.0514	mg/L	-0.0514	mg/L	19:30:16
1	Ti 337.279†	5431.1	6325.1	0.0087	mg/L	0.0087	mg/L	19:30:06
1	Tl 190.801†	20.3	11.8	0.0004	mg/L	0.0004	mg/L	19:30:16
1	V 292.402†	6256.0	6944.1	0.0339	mg/L	0.0339	mg/L	19:30:06
1	Zn 213.857†	2686.5	1498.4	0.0067	mg/L	0.0067	mg/L	19:30:16
2	B 249.677†	87.7	81.1	0.0964	mg/L	0.0964	mg/L	19:29:57
2	Fe 234.349†	165.0	154.1	0.1985	mg/L	0.1985	mg/L	19:29:57
2	K 766.490†	1899.6	1516.3	1.175	mg/L	1.175	mg/L	19:29:47
2	Li 670.784†	-111.5	82.6	0.0059	mg/L	0.0059	mg/L	19:29:47
2	Na 589.592†	41786.8	40405.2	11.07	mg/L	11.07	mg/L	19:29:47
2	Sr 407.771†	95268.2	91343.6	0.1562	mg/L	0.1562	mg/L	19:29:47
2	Y 371.029	3257773.4	3257773.4	1.04	mg/L			19:30:21
2	Ag 328.068†	1822.7	-289.3	-0.0020	mg/L	-0.0020	mg/L	19:30:23
2	Al 237.313†	18870.5	18261.9	1.742	mg/L	1.742	mg/L	19:30:23
2	As 188.979†	-12.0	-19.4	-0.0132	mg/L	-0.0132	mg/L	19:30:33
2	B 182.528†	60.6	64.8	0.0765	mg/L	0.0765	mg/L	19:30:33
2	Ba 233.527†	957.3	985.5	0.0073	mg/L	0.0073	mg/L	19:30:33
2	Be 313.107†	-1004.2	-59.0	0.0000	mg/L	0.0000	mg/L	19:30:23
2	Ca 315.887†	7472873.0	7172027.6	51.01	mg/L	51.01	mg/L	19:30:19
2	Cd 228.802†	99.8	2.8	0.0001	mg/L	0.0001	mg/L	19:30:33
2	Co 228.616†	-48.5	-12.1	-0.0047	mg/L	-0.0047	mg/L	19:30:33
2	Cr 267.716†	1436.3	742.8	0.0055	mg/L	0.0055	mg/L	19:30:23
2	Cu 324.752†	7659.5	5584.3	0.0227	mg/L	0.0227	mg/L	19:30:23
2	Fe 238.204†	26701.7	24766.0	0.1487	mg/L	0.1487	mg/L	19:30:23
2	Mg 279.077†	3769.9	3292.6	0.1672	mg/L	0.1672	mg/L	19:30:23
2	Mn 257.610†	4781.9	4033.7	0.0025	mg/L	0.0025	mg/L	19:30:33
2	Mo 202.031†	271.9	272.8	0.0108	mg/L	0.0108	mg/L	19:30:33
2	Ni 231.604†	39.6	28.3	-0.0021	mg/L	-0.0021	mg/L	19:30:33
2	P 214.914†	577.0	289.7	0.1330	mg/L	0.1330	mg/L	19:30:33
2	Pb 220.353†	-46.1	-58.0	-0.0066	mg/L	-0.0066	mg/L	19:30:33
2	Sb 206.836†	45.8	8.2	0.0031	mg/L	0.0031	mg/L	19:30:33
2	Se 196.026†	-1.7	0.3	0.0023	mg/L	0.0023	mg/L	19:30:33
2	Sn 189.927†	-409.8	-390.7	-0.0529	mg/L	-0.0529	mg/L	19:30:33
2	Ti 337.279†	5201.5	6091.0	0.0085	mg/L	0.0085	mg/L	19:30:23
2	Tl 190.801†	17.3	8.9	-0.0012	mg/L	-0.0012	mg/L	19:30:33
2	V 292.402†	6380.4	7047.7	0.0344	mg/L	0.0344	mg/L	19:30:23
2	Zn 213.857†	2687.4	1492.5	0.0067	mg/L	0.0067	mg/L	19:30:33

Mean Data: 1210173-03 SPLP

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3253509.4	1.04	mg/L	0.002				0.19%
Ag 328.068†	-328.6	-0.0023	mg/L	0.00034	-0.0023	mg/L	0.00034	15.10%
Al 237.313†	18306.2	1.746	mg/L	0.0060	1.746	mg/L	0.0060	0.35%
As 188.979†	-19.1	-0.0131	mg/L	0.00027	-0.0131	mg/L	0.00027	2.10%
B 182.528†	62.1	0.0734	mg/L	0.00441	0.0734	mg/L	0.00441	6.02%
B 249.677†	84.6	0.1006	mg/L	0.00589	0.1006	mg/L	0.00589	5.85%
Ba 233.527†	996.3	0.0074	mg/L	0.00014	0.0074	mg/L	0.00014	1.87%
Be 313.107†	-72.5	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	22.58%
Ca 315.887†	7184211.1	51.09	mg/L	0.123	51.09	mg/L	0.123	0.24%
Cd 228.802†	-2.1	0.0000	mg/L	0.00019	0.0000	mg/L	0.00019	381.69%

Co	228.616†	3.5	-0.0045 mg/L	0.00038	-0.0045 mg/L	0.00038	8.64%
Cr	267.716†	721.6	0.0053 mg/L	0.00024	0.0053 mg/L	0.00024	4.57%
Cu	324.752†	5612.9	0.0228 mg/L	0.00018	0.0228 mg/L	0.00018	0.78%
Fe	234.349†	158.1	0.2046 mg/L	0.00869	0.2046 mg/L	0.00869	4.25%
Fe	238.204†	24659.7	0.1481 mg/L	0.00096	0.1481 mg/L	0.00096	0.65%
K	766.490†	1525.7	1.182 mg/L	0.0100	1.182 mg/L	0.0100	0.84%
Li	670.784†	90.4	0.0063 mg/L	0.00064	0.0063 mg/L	0.00064	10.09%
Mg	279.077†	3311.5	0.1683 mg/L	0.00158	0.1683 mg/L	0.00158	0.94%
Mn	257.610†	4006.2	0.0025 mg/L	0.00005	0.0025 mg/L	0.00005	1.81%
Mo	202.031†	275.1	0.0109 mg/L	0.00012	0.0109 mg/L	0.00012	1.14%
Na	589.592†	40367.9	11.06 mg/L	0.015	11.06 mg/L	0.015	0.13%
Ni	231.604†	25.4	-0.0022 mg/L	0.00009	-0.0022 mg/L	0.00009	4.05%
P	214.914†	288.1	0.1323 mg/L	0.00092	0.1323 mg/L	0.00092	0.69%
Pb	220.353†	-53.8	-0.0064 mg/L	0.00036	-0.0064 mg/L	0.00036	5.66%
Sb	206.836†	12.5	0.0055 mg/L	0.00341	0.0055 mg/L	0.00341	61.60%
Se	196.026†	0.9	0.0027 mg/L	0.00051	0.0027 mg/L	0.00051	18.81%
Sn	189.927†	-385.2	-0.0521 mg/L	0.00105	-0.0521 mg/L	0.00105	2.02%
Sr	407.771†	91437.2	0.1564 mg/L	0.00023	0.1564 mg/L	0.00023	0.14%
Ti	337.279†	6208.1	0.0086 mg/L	0.00020	0.0086 mg/L	0.00020	2.30%
Tl	190.801†	10.4	-0.0004 mg/L	0.00112	-0.0004 mg/L	0.00112	283.18%
V	292.402†	6995.9	0.0342 mg/L	0.00034	0.0342 mg/L	0.00034	0.99%
Zn	213.857†	1495.4	0.0067 mg/L	0.00003	0.0067 mg/L	0.00003	0.42%

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Sequence No.: 42                               Autosampler Location: 42
Sample ID: CJ21017-DUP2                       Date Collected: 10/11/2012 7:32:10 PM
Analyst:                                       Data Type: Original
Initial Sample Wt:                             Initial Sample Vol:
Dilution:                                     Sample Prep Vol:
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Replicate Data: CJ21017-DUP2
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Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	84.3	77.6	0.0923	mg/L	0.0923	mg/L	19:33:59
1	Fe 234.349†	174.4	162.7	0.2111	mg/L	0.2111	mg/L	19:33:59
1	K 766.490†	1839.7	1453.8	1.128	mg/L	1.128	mg/L	19:33:49
1	Li 670.784†	-100.4	93.4	0.0065	mg/L	0.0065	mg/L	19:33:49
1	Na 589.592†	41282.5	39808.1	10.91	mg/L	10.91	mg/L	19:33:49
1	Sr 407.771†	94043.5	89910.6	0.1538	mg/L	0.1538	mg/L	19:33:49
1	Y 371.029	3267087.9	3267087.9	1.04	mg/L			19:34:18
1	Ag 328.068†	1810.3	-306.1	-0.0021	mg/L	-0.0021	mg/L	19:34:20
1	Al 237.313†	19279.2	18601.4	1.774	mg/L	1.774	mg/L	19:34:20
1	As 188.979†	-10.9	-18.3	-0.0124	mg/L	-0.0124	mg/L	19:34:30
1	B 182.528†	52.5	56.9	0.0674	mg/L	0.0674	mg/L	19:34:30
1	Ba 233.527†	1022.7	1045.4	0.0079	mg/L	0.0079	mg/L	19:34:30
1	Be 313.107†	-1009.5	-61.2	0.0000	mg/L	0.0000	mg/L	19:34:20
1	Ca 315.887†	7647030.5	7318281.2	52.05	mg/L	52.05	mg/L	19:34:16
1	Cd 228.802†	99.2	1.9	0.0001	mg/L	0.0001	mg/L	19:34:30
1	Co 228.616†	-12.9	22.1	-0.0041	mg/L	-0.0041	mg/L	19:34:30
1	Cr 267.716†	1386.7	691.5	0.0050	mg/L	0.0050	mg/L	19:34:20
1	Cu 324.752†	7863.9	5759.0	0.0235	mg/L	0.0235	mg/L	19:34:20
1	Fe 238.204†	31137.8	28939.2	0.1753	mg/L	0.1753	mg/L	19:34:20
1	Mg 279.077†	3625.6	3144.2	0.1584	mg/L	0.1584	mg/L	19:34:20
1	Mn 257.610†	5350.3	4564.8	0.0031	mg/L	0.0031	mg/L	19:34:30
1	Mo 202.031†	293.3	292.5	0.0116	mg/L	0.0116	mg/L	19:34:30
1	Ni 231.604†	40.5	29.1	-0.0021	mg/L	-0.0021	mg/L	19:34:30
1	P 214.914†	596.0	306.3	0.1397	mg/L	0.1397	mg/L	19:34:30
1	Pb 220.353†	-38.6	-50.8	-0.0062	mg/L	-0.0062	mg/L	19:34:30
1	Sb 206.836†	44.4	6.8	0.0023	mg/L	0.0023	mg/L	19:34:30
1	Se 196.026†	-16.1	-13.5	-0.0064	mg/L	-0.0064	mg/L	19:34:30
1	Sn 189.927†	-401.0	-381.1	-0.0516	mg/L	-0.0516	mg/L	19:34:30
1	Ti 337.279†	4381.9	5292.3	0.0075	mg/L	0.0075	mg/L	19:34:20
1	Tl 190.801†	20.7	12.1	0.0006	mg/L	0.0006	mg/L	19:34:30
1	V 292.402†	6429.9	7077.6	0.0346	mg/L	0.0346	mg/L	19:34:20
1	Zn 213.857†	2774.3	1568.3	0.0072	mg/L	0.0072	mg/L	19:34:30
2	B 249.677†	90.0	82.1	0.0976	mg/L	0.0976	mg/L	19:34:11
2	Fe 234.349†	182.7	168.6	0.2215	mg/L	0.2215	mg/L	19:34:11
2	K 766.490†	1852.1	1445.5	1.122	mg/L	1.122	mg/L	19:34:01
2	Li 670.784†	-128.4	68.0	0.0050	mg/L	0.0050	mg/L	19:34:01
2	Na 589.592†	41499.8	39563.5	10.84	mg/L	10.84	mg/L	19:34:01
2	Sr 407.771†	94786.8	89588.2	0.1532	mg/L	0.1532	mg/L	19:34:01
2	Y 371.029	3304747.7	3304747.7	1.06	mg/L			19:34:35

Repl#	Analyte	Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	587.0	561.6	0.6598 mg/L	0.6598 mg/L	19:38:14
1	Fe 234.349†	1947.2	1869.1	2.894 mg/L	2.894 mg/L	19:38:14
1	K 766.490†	39216.5	37422.9	27.94 mg/L	27.94 mg/L	19:38:04
1	Li 670.784†	9674.6	9497.4	0.5470 mg/L	0.5470 mg/L	19:38:14
1	Na 589.592†	141398.5	136331.3	37.54 mg/L	37.54 mg/L	19:38:04
1	Sr 407.771†	124872.3	120030.6	0.2053 mg/L	0.2053 mg/L	19:38:04
1	Y 371.029	3250491.3	3250491.3	1.04 mg/L		19:38:35
1	Ag 328.068†	45949.5	42168.9	0.2616 mg/L	0.2616 mg/L	19:38:35
1	Al 237.313†	46135.0	44533.6	4.277 mg/L	4.277 mg/L	19:38:35
1	As 188.979†	691.3	657.3	0.5156 mg/L	0.5156 mg/L	19:38:45
1	B 182.528†	537.8	524.1	0.6057 mg/L	0.6057 mg/L	19:38:45
1	Ba 233.527†	62017.2	59733.1	0.5375 mg/L	0.5375 mg/L	19:38:35
1	Be 313.107†	114213.2	110789.3	0.0535 mg/L	0.0535 mg/L	19:38:35
1	Ca 315.887†	8082534.2	7774652.4	55.30 mg/L	55.30 mg/L	19:38:31
1	Cd 228.802†	10027.0	9553.9	0.2509 mg/L	0.2509 mg/L	19:38:45
1	Co 228.616†	30997.3	29856.9	0.5152 mg/L	0.5152 mg/L	19:38:45
1	Cr 267.716†	69529.5	66258.2	0.5339 mg/L	0.5339 mg/L	19:38:35
1	Cu 324.752†	132801.1	125999.2	0.5555 mg/L	0.5555 mg/L	19:38:35
1	Fe 238.204†	448626.2	430756.1	2.738 mg/L	2.738 mg/L	19:38:35
1	Mg 279.077†	95348.1	91407.9	5.374 mg/L	5.374 mg/L	19:38:35
1	Mn 257.610†	472735.1	454260.7	0.5253 mg/L	0.5253 mg/L	19:38:35
1	Mo 202.031†	14025.5	13505.6	0.5219 mg/L	0.5219 mg/L	19:38:45
1	Ni 231.604†	25536.7	24559.1	0.5175 mg/L	0.5175 mg/L	19:38:35
1	P 214.914†	13962.3	13168.9	5.341 mg/L	5.341 mg/L	19:38:45
1	Pb 220.353†	8954.4	8601.2	0.5097 mg/L	0.5097 mg/L	19:38:45
1	Sb 206.836†	1006.2	932.3	0.5249 mg/L	0.5249 mg/L	19:38:45
1	Se 196.026†	1674.5	1612.9	1.025 mg/L	1.025 mg/L	19:38:45
1	Sn 189.927†	3923.4	3777.3	0.5028 mg/L	0.5028 mg/L	19:38:45
1	Ti 337.279†	464017.5	447528.1	0.5367 mg/L	0.5367 mg/L	19:38:35
1	Tl 190.801†	1009.1	963.2	0.5211 mg/L	0.5211 mg/L	19:38:45
1	V 292.402†	124649.8	120848.2	0.5621 mg/L	0.5621 mg/L	19:38:35
1	Zn 213.857†	82945.3	78714.2	0.5251 mg/L	0.5251 mg/L	19:38:35
2	B 249.677†	593.5	577.4	0.6784 mg/L	0.6784 mg/L	19:38:27
2	Fe 234.349†	1951.5	1904.7	2.950 mg/L	2.950 mg/L	19:38:27
2	K 766.490†	38429.6	37284.1	27.83 mg/L	27.83 mg/L	19:38:17
2	Li 670.784†	9727.3	9704.6	0.5589 mg/L	0.5589 mg/L	19:38:27
2	Na 589.592†	139298.4	136551.7	37.60 mg/L	37.60 mg/L	19:38:17
2	Sr 407.771†	122804.4	120016.7	0.2053 mg/L	0.2053 mg/L	19:38:17
2	Y 371.029	3197032.8	3197032.8	1.02 mg/L		19:38:52
2	Ag 328.068†	45339.7	42311.6	0.2625 mg/L	0.2625 mg/L	19:38:52
2	Al 237.313†	45717.5	44867.4	4.309 mg/L	4.309 mg/L	19:38:52
2	As 188.979†	677.5	654.9	0.5138 mg/L	0.5138 mg/L	19:39:02
2	B 182.528†	534.4	529.4	0.6118 mg/L	0.6118 mg/L	19:39:02
2	Ba 233.527†	61142.0	59874.7	0.5388 mg/L	0.5388 mg/L	19:38:52
2	Be 313.107†	112830.3	111274.0	0.0537 mg/L	0.0537 mg/L	19:38:52
2	Ca 315.887†	8037318.1	7860450.5	55.91 mg/L	55.91 mg/L	19:38:48
2	Cd 228.802†	9993.5	9682.5	0.2543 mg/L	0.2543 mg/L	19:39:02
2	Co 228.616†	30911.8	30271.9	0.5225 mg/L	0.5225 mg/L	19:39:02
2	Cr 267.716†	68612.3	66479.6	0.5356 mg/L	0.5356 mg/L	19:38:52
2	Cu 324.752†	131071.1	126443.4	0.5575 mg/L	0.5575 mg/L	19:38:52
2	Fe 238.204†	441721.7	431219.5	2.741 mg/L	2.741 mg/L	19:38:52
2	Mg 279.077†	93997.3	91620.4	5.386 mg/L	5.386 mg/L	19:38:52
2	Mn 257.610†	466069.3	455345.5	0.5265 mg/L	0.5265 mg/L	19:38:52
2	Mo 202.031†	13996.6	13703.0	0.5295 mg/L	0.5295 mg/L	19:39:02
2	Ni 231.604†	25110.3	24552.8	0.5174 mg/L	0.5174 mg/L	19:38:52
2	P 214.914†	13947.0	13378.6	5.426 mg/L	5.426 mg/L	19:39:02
2	Pb 220.353†	8879.2	8671.7	0.5139 mg/L	0.5139 mg/L	19:39:02
2	Sb 206.836†	1004.7	947.0	0.5332 mg/L	0.5332 mg/L	19:39:02
2	Se 196.026†	1674.4	1639.8	1.042 mg/L	1.042 mg/L	19:39:02
2	Sn 189.927†	3877.6	3795.7	0.5054 mg/L	0.5054 mg/L	19:39:02
2	Ti 337.279†	458020.6	449126.9	0.5386 mg/L	0.5386 mg/L	19:38:52
2	Tl 190.801†	999.9	970.3	0.5250 mg/L	0.5250 mg/L	19:39:02
2	V 292.402†	122921.4	121162.8	0.5636 mg/L	0.5636 mg/L	19:38:52
2	Zn 213.857†	81589.0	78721.8	0.5252 mg/L	0.5252 mg/L	19:38:52

Mean Data: CJ21017-MS2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3223762.1	1.03 mg/L	0.012			1.17%
Ag 328.068†	42240.2	0.2621 mg/L	0.00063	0.2621 mg/L	0.00063	0.24%
Al 237.313†	44700.5	4.293 mg/L	0.0228	4.293 mg/L	0.0228	0.53%

As	188.979†	656.1	0.5147 mg/L	0.00130	0.5147 mg/L	0.00130	0.25%
B	182.528†	526.8	0.6087 mg/L	0.00434	0.6087 mg/L	0.00434	0.71%
B	249.677†	569.5	0.6691 mg/L	0.01312	0.6691 mg/L	0.01312	1.96%
Ba	233.527†	59803.9	0.5381 mg/L	0.00090	0.5381 mg/L	0.00090	0.17%
Be	313.107†	111031.7	0.0536 mg/L	0.00017	0.0536 mg/L	0.00017	0.31%
Ca	315.887†	7817551.4	55.60 mg/L	0.432	55.60 mg/L	0.432	0.78%
Cd	228.802†	9618.2	0.2526 mg/L	0.00242	0.2526 mg/L	0.00242	0.96%
Co	228.616†	30064.4	0.5188 mg/L	0.00512	0.5188 mg/L	0.00512	0.99%
Cr	267.716†	66368.9	0.5348 mg/L	0.00127	0.5348 mg/L	0.00127	0.24%
Cu	324.752†	126221.3	0.5565 mg/L	0.00139	0.5565 mg/L	0.00139	0.25%
Fe	234.349†	1886.9	2.922 mg/L	0.0393	2.922 mg/L	0.0393	1.35%
Fe	238.204†	430987.8	2.739 mg/L	0.0021	2.739 mg/L	0.0021	0.08%
K	766.490†	37353.5	27.88 mg/L	0.073	27.88 mg/L	0.073	0.26%
Li	670.784†	9601.0	0.5529 mg/L	0.00842	0.5529 mg/L	0.00842	1.52%
Mg	279.077†	91514.1	5.380 mg/L	0.0089	5.380 mg/L	0.0089	0.17%
Mn	257.610†	454803.1	0.5259 mg/L	0.00089	0.5259 mg/L	0.00089	0.17%
Mo	202.031†	13604.3	0.5257 mg/L	0.00539	0.5257 mg/L	0.00539	1.03%
Na	589.592†	136441.5	37.57 mg/L	0.043	37.57 mg/L	0.043	0.11%
Ni	231.604†	24555.9	0.5174 mg/L	0.00009	0.5174 mg/L	0.00009	0.02%
P	214.914†	13273.7	5.384 mg/L	0.0601	5.384 mg/L	0.0601	1.12%
Pb	220.353†	8636.4	0.5118 mg/L	0.00297	0.5118 mg/L	0.00297	0.58%
Sb	206.836†	939.7	0.5291 mg/L	0.00586	0.5291 mg/L	0.00586	1.11%
Se	196.026†	1626.4	1.034 mg/L	0.0120	1.034 mg/L	0.0120	1.16%
Sn	189.927†	3786.5	0.5041 mg/L	0.00183	0.5041 mg/L	0.00183	0.36%
Sr	407.771†	120023.6	0.2053 mg/L	0.00002	0.2053 mg/L	0.00002	0.01%
Ti	337.279†	448327.5	0.5377 mg/L	0.00135	0.5377 mg/L	0.00135	0.25%
Tl	190.801†	966.8	0.5231 mg/L	0.00276	0.5231 mg/L	0.00276	0.53%
V	292.402†	121005.5	0.5628 mg/L	0.00106	0.5628 mg/L	0.00106	0.19%
Zn	213.857†	78718.0	0.5251 mg/L	0.00003	0.5251 mg/L	0.00003	0.01%

Sequence No.: 44
Sample ID: CJ21017-SD2 @5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 10/11/2012 7:40:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	19.5	14.7	0.0185	mg/L	0.0185	mg/L	19:42:28
1	Fe 234.349†	36.1	28.8	0.0372	mg/L	0.0372	mg/L	19:42:28
1	K 766.490†	793.0	417.7	0.3562	mg/L	0.3562	mg/L	19:42:18
1	Li 670.784†	-235.1	-25.4	-0.0003	mg/L	-0.0003	mg/L	19:42:18
1	Na 589.592†	8861.4	8393.3	2.238	mg/L	2.238	mg/L	19:42:18
1	Sr 407.771†	20082.7	18251.0	0.0312	mg/L	0.0312	mg/L	19:42:18
1	Y 371.029	3420771.9	3420771.9	1.09	mg/L			19:42:44
1	Ag 328.068†	1955.3	-251.5	-0.0018	mg/L	-0.0018	mg/L	19:42:46
1	Al 237.313†	3693.7	3524.0	0.3226	mg/L	0.3226	mg/L	19:42:57
1	As 188.979†	6.9	-1.5	0.0006	mg/L	0.0006	mg/L	19:42:57
1	B 182.528†	6.2	12.3	0.0160	mg/L	0.0160	mg/L	19:42:57
1	Ba 233.527†	156.3	209.5	0.0003	mg/L	0.0003	mg/L	19:42:57
1	Be 313.107†	-910.4	72.8	0.0001	mg/L	0.0001	mg/L	19:42:46
1	Ca 315.887†	1547780.7	1413454.7	10.04	mg/L	10.04	mg/L	19:42:44
1	Cd 228.802†	87.2	-13.3	-0.0004	mg/L	-0.0004	mg/L	19:42:57
1	Co 228.616†	-39.7	-1.9	-0.0045	mg/L	-0.0045	mg/L	19:42:57
1	Cr 267.716†	805.2	100.2	0.0003	mg/L	0.0003	mg/L	19:42:46
1	Cu 324.752†	3086.6	1053.3	0.0027	mg/L	0.0027	mg/L	19:42:46
1	Fe 238.204†	5927.1	4552.4	0.0198	mg/L	0.0198	mg/L	19:42:57
1	Mg 279.077†	1014.1	600.8	0.0081	mg/L	0.0081	mg/L	19:42:46
1	Mn 257.610†	3466.3	2612.3	0.0009	mg/L	0.0009	mg/L	19:42:57
1	Mo 202.031†	63.2	69.6	0.0030	mg/L	0.0030	mg/L	19:42:57
1	Ni 231.604†	23.5	11.8	-0.0025	mg/L	-0.0025	mg/L	19:42:57
1	P 214.914†	342.9	49.3	0.0356	mg/L	0.0356	mg/L	19:42:57
1	Pb 220.353†	-25.9	-37.4	-0.0050	mg/L	-0.0050	mg/L	19:42:57
1	Sb 206.836†	51.6	11.5	0.0050	mg/L	0.0050	mg/L	19:42:57
1	Se 196.026†	0.9	2.8	0.0038	mg/L	0.0038	mg/L	19:42:57
1	Sn 189.927†	-125.1	-111.7	-0.0168	mg/L	-0.0168	mg/L	19:42:57
1	Ti 337.279†	308.9	1380.3	0.0028	mg/L	0.0028	mg/L	19:42:46
1	Tl 190.801†	16.0	6.9	-0.0021	mg/L	-0.0021	mg/L	19:42:57
1	V 292.402†	416.1	1303.3	0.0080	mg/L	0.0080	mg/L	19:42:46
1	Zn 213.857†	3325.7	1953.1	0.0098	mg/L	0.0098	mg/L	19:42:57

2	B 249.677†	22.8	17.6	0.0219 mg/L	0.0219 mg/L	19:42:40
2	Fe 234.349†	38.2	30.6	0.0403 mg/L	0.0403 mg/L	19:42:40
2	K 766.490†	683.8	316.9	0.2810 mg/L	0.2810 mg/L	19:42:30
2	Li 670.784†	-203.4	3.9	0.0014 mg/L	0.0014 mg/L	19:42:30
2	Na 589.592†	8671.8	8207.1	2.187 mg/L	2.187 mg/L	19:42:30
2	Sr 407.771†	19773.2	17938.8	0.0307 mg/L	0.0307 mg/L	19:42:30
2	Y 371.029	3426302.7	3426302.7	1.10 mg/L		19:42:59
2	Ag 328.068†	1950.4	-258.8	-0.0019 mg/L	-0.0019 mg/L	19:43:01
2	Al 237.313†	3715.3	3538.3	0.3240 mg/L	0.3240 mg/L	19:43:11
2	As 188.979†	6.4	-2.0	0.0003 mg/L	0.0003 mg/L	19:43:11
2	B 182.528†	8.4	14.4	0.0183 mg/L	0.0183 mg/L	19:43:11
2	Ba 233.527†	147.5	201.1	0.0003 mg/L	0.0003 mg/L	19:43:11
2	Be 313.107†	-946.1	41.6	0.0001 mg/L	0.0001 mg/L	19:43:01
2	Ca 315.887†	1525614.9	1390939.1	9.881 mg/L	9.881 mg/L	19:42:59
2	Cd 228.802†	93.6	-7.6	-0.0003 mg/L	-0.0003 mg/L	19:43:11
2	Co 228.616†	-35.0	2.5	-0.0045 mg/L	-0.0045 mg/L	19:43:11
2	Cr 267.716†	812.4	105.6	0.0003 mg/L	0.0003 mg/L	19:43:01
2	Cu 324.752†	3103.9	1064.6	0.0027 mg/L	0.0027 mg/L	19:43:01
2	Fe 238.204†	5772.8	4402.8	0.0189 mg/L	0.0189 mg/L	19:43:11
2	Mg 279.077†	940.6	532.2	0.0041 mg/L	0.0041 mg/L	19:43:01
2	Mn 257.610†	3415.8	2561.1	0.0008 mg/L	0.0008 mg/L	19:43:11
2	Mo 202.031†	84.6	89.0	0.0038 mg/L	0.0038 mg/L	19:43:11
2	Ni 231.604†	37.9	24.9	-0.0022 mg/L	-0.0022 mg/L	19:43:11
2	P 214.914†	321.7	29.4	0.0275 mg/L	0.0275 mg/L	19:43:11
2	Pb 220.353†	-35.1	-45.8	-0.0055 mg/L	-0.0055 mg/L	19:43:11
2	Sb 206.836†	40.5	1.2	-0.0008 mg/L	-0.0008 mg/L	19:43:11
2	Se 196.026†	11.8	12.7	0.0101 mg/L	0.0101 mg/L	19:43:11
2	Sn 189.927†	-126.4	-112.7	-0.0169 mg/L	-0.0169 mg/L	19:43:11
2	Ti 337.279†	149.9	1234.7	0.0027 mg/L	0.0027 mg/L	19:43:01
2	Tl 190.801†	11.4	2.7	-0.0044 mg/L	-0.0044 mg/L	19:43:11
2	V 292.402†	456.1	1339.2	0.0082 mg/L	0.0082 mg/L	19:43:01
2	Zn 213.857†	3461.0	2071.7	0.0106 mg/L	0.0106 mg/L	19:43:11

Mean Data: CJ21017-SD2 @5

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3423537.3	1.09	mg/L	0.001				0.11%
Ag 328.068†	-255.2	-0.0018	mg/L	0.00003	-0.0018	mg/L	0.00003	1.73%
Al 237.313†	3531.2	0.3233	mg/L	0.00097	0.3233	mg/L	0.00097	0.30%
As 188.979†	-1.8	0.0005	mg/L	0.00028	0.0005	mg/L	0.00028	62.59%
B 182.528†	13.4	0.0172	mg/L	0.00166	0.0172	mg/L	0.00166	9.66%
B 249.677†	16.2	0.0202	mg/L	0.00245	0.0202	mg/L	0.00245	12.15%
Ba 233.527†	205.3	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	18.32%
Be 313.107†	57.2	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	10.34%
Ca 315.887†	1402196.9	9.961	mg/L	0.1133	9.961	mg/L	0.1133	1.14%
Cd 228.802†	-10.4	-0.0003	mg/L	0.00011	-0.0003	mg/L	0.00011	32.96%
Co 228.616†	0.3	-0.0045	mg/L	0.00006	-0.0045	mg/L	0.00006	1.22%
Cr 267.716†	102.9	0.0003	mg/L	0.00003	0.0003	mg/L	0.00003	10.63%
Cu 324.752†	1059.0	0.0027	mg/L	0.00004	0.0027	mg/L	0.00004	1.30%
Fe 234.349†	29.7	0.0388	mg/L	0.00219	0.0388	mg/L	0.00219	5.65%
Fe 238.204†	4477.6	0.0194	mg/L	0.00067	0.0194	mg/L	0.00067	3.48%
K 766.490†	367.3	0.3186	mg/L	0.05315	0.3186	mg/L	0.05315	16.68%
Li 670.784†	-10.8	0.0005	mg/L	0.00119	0.0005	mg/L	0.00119	232.93%
Mg 279.077†	566.5	0.0061	mg/L	0.00287	0.0061	mg/L	0.00287	46.88%
Mn 257.610†	2586.7	0.0008	mg/L	0.00004	0.0008	mg/L	0.00004	4.97%
Mo 202.031†	79.3	0.0034	mg/L	0.00053	0.0034	mg/L	0.00053	15.59%
Na 589.592†	8300.2	2.212	mg/L	0.0363	2.212	mg/L	0.0363	1.64%
Ni 231.604†	18.4	-0.0023	mg/L	0.00020	-0.0023	mg/L	0.00020	8.54%
P 214.914†	39.4	0.0315	mg/L	0.00568	0.0315	mg/L	0.00568	18.02%
Pb 220.353†	-41.6	-0.0052	mg/L	0.00035	-0.0052	mg/L	0.00035	6.78%
Sb 206.836†	6.3	0.0021	mg/L	0.00409	0.0021	mg/L	0.00409	193.47%
Se 196.026†	7.8	0.0070	mg/L	0.00445	0.0070	mg/L	0.00445	63.79%
Sn 189.927†	-112.2	-0.0168	mg/L	0.00009	-0.0168	mg/L	0.00009	0.56%
Sr 407.771†	18094.9	0.0310	mg/L	0.00038	0.0310	mg/L	0.00038	1.22%
Ti 337.279†	1307.5	0.0027	mg/L	0.00012	0.0027	mg/L	0.00012	4.49%
Tl 190.801†	4.8	-0.0033	mg/L	0.00164	-0.0033	mg/L	0.00164	49.75%
V 292.402†	1321.2	0.0081	mg/L	0.00012	0.0081	mg/L	0.00012	1.48%
Zn 213.857†	2012.4	0.0102	mg/L	0.00057	0.0102	mg/L	0.00057	5.54%

Analyst:
Initial Sample Wt:
Dilution:

Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	517.9	515.2	0.6054	mg/L	0.6054	mg/L	19:46:42
1	Fe 234.349†	1699.5	1696.6	2.622	mg/L	2.622	mg/L	19:46:42
1	K 766.490†	35525.2	35246.7	26.31	mg/L	26.31	mg/L	19:46:32
1	Li 670.784†	8812.2	9008.9	0.5189	mg/L	0.5189	mg/L	19:46:42
1	Na 589.592†	129040.3	129436.6	35.64	mg/L	35.64	mg/L	19:46:32
1	Sr 407.771†	115351.4	115335.8	0.1973	mg/L	0.1973	mg/L	19:46:32
1	Y 371.029	3124766.3	3124766.3	0.999	mg/L			19:47:03
1	Ag 328.068†	41725.4	39720.1	0.2464	mg/L	0.2464	mg/L	19:47:03
1	Al 237.313†	42308.3	42489.7	4.080	mg/L	4.080	mg/L	19:47:03
1	As 188.979†	621.3	614.0	0.4817	mg/L	0.4817	mg/L	19:47:13
1	B 182.528†	508.4	515.4	0.5957	mg/L	0.5957	mg/L	19:47:13
1	Ba 233.527†	56021.0	56132.8	0.5050	mg/L	0.5050	mg/L	19:47:03
1	Be 313.107†	102630.2	103618.2	0.0500	mg/L	0.0500	mg/L	19:47:03
1	Ca 315.887†	7812608.1	7817383.2	55.60	mg/L	55.60	mg/L	19:46:59
1	Cd 228.802†	9213.2	9127.7	0.2397	mg/L	0.2397	mg/L	19:47:13
1	Co 228.616†	28240.0	28297.2	0.4881	mg/L	0.4881	mg/L	19:47:13
1	Cr 267.716†	63051.2	62466.1	0.5033	mg/L	0.5033	mg/L	19:47:03
1	Cu 324.752†	120955.3	119284.6	0.5258	mg/L	0.5258	mg/L	19:47:03
1	Fe 238.204†	408122.2	407585.7	2.590	mg/L	2.590	mg/L	19:47:03
1	Mg 279.077†	84943.3	84685.6	4.977	mg/L	4.977	mg/L	19:47:03
1	Mn 257.610†	424458.1	424244.4	0.4904	mg/L	0.4904	mg/L	19:47:03
1	Mo 202.031†	13020.0	13042.3	0.5041	mg/L	0.5041	mg/L	19:47:13
1	Ni 231.604†	22555.6	22564.1	0.4753	mg/L	0.4753	mg/L	19:47:03
1	P 214.914†	12761.2	12507.2	5.073	mg/L	5.073	mg/L	19:47:13
1	Pb 220.353†	8201.0	8193.9	0.4855	mg/L	0.4855	mg/L	19:47:13
1	Sb 206.836†	922.1	887.2	0.4995	mg/L	0.4995	mg/L	19:47:13
1	Se 196.026†	1486.9	1490.0	0.9473	mg/L	0.9473	mg/L	19:47:13
1	Sn 189.927†	3541.0	3546.5	0.4716	mg/L	0.4716	mg/L	19:47:13
1	Ti 337.279†	423219.4	424659.2	0.5094	mg/L	0.5094	mg/L	19:47:03
1	Tl 190.801†	915.0	908.1	0.4910	mg/L	0.4910	mg/L	19:47:13
1	V 292.402†	113512.8	114527.3	0.5329	mg/L	0.5329	mg/L	19:47:03
1	Zn 213.857†	73632.1	72604.3	0.4841	mg/L	0.4841	mg/L	19:47:03
2	B 249.677†	516.3	508.1	0.5971	mg/L	0.5971	mg/L	19:46:55
2	Fe 234.349†	1688.2	1667.5	2.578	mg/L	2.578	mg/L	19:46:55
2	K 766.490†	35614.8	34961.1	26.10	mg/L	26.10	mg/L	19:46:45
2	Li 670.784†	8736.4	8841.0	0.5092	mg/L	0.5092	mg/L	19:46:55
2	Na 589.592†	129300.4	128334.8	35.34	mg/L	35.34	mg/L	19:46:45
2	Sr 407.771†	115459.3	114227.4	0.1954	mg/L	0.1954	mg/L	19:46:45
2	Y 371.029	3158008.0	3158008.0	1.01	mg/L			19:47:20
2	Ag 328.068†	42088.3	39639.9	0.2459	mg/L	0.2459	mg/L	19:47:20
2	Al 237.313†	42539.7	42273.2	4.059	mg/L	4.059	mg/L	19:47:20
2	As 188.979†	622.9	609.0	0.4778	mg/L	0.4778	mg/L	19:47:30
2	B 182.528†	500.3	502.1	0.5803	mg/L	0.5803	mg/L	19:47:30
2	Ba 233.527†	56434.5	55952.1	0.5034	mg/L	0.5034	mg/L	19:47:20
2	Be 313.107†	103128.2	103030.1	0.0498	mg/L	0.0498	mg/L	19:47:20
2	Ca 315.887†	7608955.9	7533408.9	53.58	mg/L	53.58	mg/L	19:47:16
2	Cd 228.802†	9155.7	8973.7	0.2357	mg/L	0.2357	mg/L	19:47:30
2	Co 228.616†	28009.8	27771.8	0.4789	mg/L	0.4789	mg/L	19:47:30
2	Cr 267.716†	63375.5	62123.1	0.5005	mg/L	0.5005	mg/L	19:47:20
2	Cu 324.752†	121757.1	118804.4	0.5237	mg/L	0.5237	mg/L	19:47:20
2	Fe 238.204†	410303.1	405446.0	2.576	mg/L	2.576	mg/L	19:47:20
2	Mg 279.077†	85662.9	84503.4	4.966	mg/L	4.966	mg/L	19:47:20
2	Mn 257.610†	426807.2	422099.0	0.4879	mg/L	0.4879	mg/L	19:47:20
2	Mo 202.031†	12929.1	12815.1	0.4953	mg/L	0.4953	mg/L	19:47:30
2	Ni 231.604†	22697.7	22467.2	0.4732	mg/L	0.4732	mg/L	19:47:20
2	P 214.914†	12609.2	12222.4	4.958	mg/L	4.958	mg/L	19:47:30
2	Pb 220.353†	8110.0	8017.3	0.4749	mg/L	0.4749	mg/L	19:47:30
2	Sb 206.836†	928.8	884.1	0.4978	mg/L	0.4978	mg/L	19:47:30
2	Se 196.026†	1470.6	1458.3	0.9272	mg/L	0.9272	mg/L	19:47:30
2	Sn 189.927†	3519.1	3487.5	0.4638	mg/L	0.4638	mg/L	19:47:30
2	Ti 337.279†	425502.5	422461.7	0.5067	mg/L	0.5067	mg/L	19:47:20
2	Tl 190.801†	914.7	898.1	0.4856	mg/L	0.4856	mg/L	19:47:30
2	V 292.402†	114295.2	114106.3	0.5309	mg/L	0.5309	mg/L	19:47:20
2	Zn 213.857†	74136.3	72327.9	0.4822	mg/L	0.4822	mg/L	19:47:20

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Units	Conc.		
Y 371.029	3141387.1	1.00	mg/L	0.008				0.75%
Ag 328.068†	39680.0	0.2462	mg/L	0.00035	0.2462	mg/L	0.00035	0.14%
Al 237.313†	42381.5	4.069	mg/L	0.0148	4.069	mg/L	0.0148	0.36%
As 188.979†	611.5	0.4798	mg/L	0.00275	0.4798	mg/L	0.00275	0.57%
B 182.528†	508.8	0.5880	mg/L	0.01086	0.5880	mg/L	0.01086	1.85%
B 249.677†	511.7	0.6013	mg/L	0.00589	0.6013	mg/L	0.00589	0.98%
Ba 233.527†	56042.5	0.5042	mg/L	0.00115	0.5042	mg/L	0.00115	0.23%
Be 313.107†	103324.1	0.0499	mg/L	0.00020	0.0499	mg/L	0.00020	0.40%
Ca 315.887†	7675396.0	54.59	mg/L	1.428	54.59	mg/L	1.428	2.62%
Cd 228.802†	9050.7	0.2377	mg/L	0.00287	0.2377	mg/L	0.00287	1.21%
Co 228.616†	28034.5	0.4835	mg/L	0.00648	0.4835	mg/L	0.00648	1.34%
Cr 267.716†	62294.6	0.5019	mg/L	0.00196	0.5019	mg/L	0.00196	0.39%
Cu 324.752†	119044.5	0.5247	mg/L	0.00150	0.5247	mg/L	0.00150	0.29%
Fe 234.349†	1682.1	2.600	mg/L	0.0312	2.600	mg/L	0.0312	1.20%
Fe 238.204†	406515.9	2.583	mg/L	0.0096	2.583	mg/L	0.0096	0.37%
K 766.490†	35103.9	26.21	mg/L	0.150	26.21	mg/L	0.150	0.57%
Li 670.784†	8924.9	0.5141	mg/L	0.00682	0.5141	mg/L	0.00682	1.33%
Mg 279.077†	84594.5	4.971	mg/L	0.0076	4.971	mg/L	0.0076	0.15%
Mn 257.610†	423171.7	0.4892	mg/L	0.00176	0.4892	mg/L	0.00176	0.36%
Mo 202.031†	12928.7	0.4997	mg/L	0.00621	0.4997	mg/L	0.00621	1.24%
Na 589.592†	128885.7	35.49	mg/L	0.215	35.49	mg/L	0.215	0.61%
Ni 231.604†	22515.7	0.4743	mg/L	0.00146	0.4743	mg/L	0.00146	0.31%
P 214.914†	12364.8	5.016	mg/L	0.0816	5.016	mg/L	0.0816	1.63%
Pb 220.353†	8105.6	0.4802	mg/L	0.00746	0.4802	mg/L	0.00746	1.55%
Sb 206.836†	885.6	0.4986	mg/L	0.00121	0.4986	mg/L	0.00121	0.24%
Se 196.026†	1474.1	0.9372	mg/L	0.01423	0.9372	mg/L	0.01423	1.52%
Sn 189.927†	3517.0	0.4677	mg/L	0.00558	0.4677	mg/L	0.00558	1.19%
Sr 407.771†	114781.6	0.1963	mg/L	0.00134	0.1963	mg/L	0.00134	0.68%
Ti 337.279†	423560.4	0.5081	mg/L	0.00186	0.5081	mg/L	0.00186	0.37%
Tl 190.801†	903.1	0.4883	mg/L	0.00384	0.4883	mg/L	0.00384	0.79%
V 292.402†	114316.8	0.5319	mg/L	0.00141	0.5319	mg/L	0.00141	0.27%
Zn 213.857†	72466.1	0.4831	mg/L	0.00131	0.4831	mg/L	0.00131	0.27%

Sequence No.: 46
 Sample ID: 1210190-01
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 46
 Date Collected: 10/11/2012 7:49:07 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 1210190-01

Repl#	Analyte	Net		Corrected	Calib.	Sample		Analysis
		Intensity	Intensity			Conc.	Units	
1	B 249.677†	188.6	184.6	0.2180	mg/L	0.2180	mg/L	19:51:01
1	Fe 234.349†	70.6	66.1	0.0528	mg/L	0.0528	mg/L	19:51:01
1	K 766.490†	26317.7	25898.4	19.35	mg/L	19.35	mg/L	19:50:51
1	Li 670.784†	-122.2	67.9	0.0050	mg/L	0.0050	mg/L	19:50:51
1	Na 589.592†	445471.2	443866.3	122.4	mg/L	122.4	mg/L	19:50:48
1	Sr 407.771†	65847.5	65458.3	0.1120	mg/L	0.1120	mg/L	19:50:48
1	Y 371.029	3140664.3	3140664.3	1.00	mg/L			19:51:22
1	Ag 328.068†	1732.3	-314.0	-0.0022	mg/L	-0.0022	mg/L	19:51:24
1	Al 237.313†	-84.9	62.7	-0.0107	mg/L	-0.0107	mg/L	19:51:34
1	As 188.979†	-19.1	-26.8	-0.0191	mg/L	-0.0191	mg/L	19:51:34
1	B 182.528†	150.6	156.6	0.1822	mg/L	0.1822	mg/L	19:51:34
1	Ba 233.527†	1831.5	1890.2	0.0155	mg/L	0.0155	mg/L	19:51:34
1	Be 313.107†	-1027.2	-117.7	0.0000	mg/L	0.0000	mg/L	19:51:24
1	Ca 315.887†	8265327.5	8228595.5	58.52	mg/L	58.52	mg/L	19:51:19
1	Cd 228.802†	88.4	-5.0	-0.0001	mg/L	-0.0001	mg/L	19:51:34
1	Co 228.616†	-39.4	-4.8	-0.0046	mg/L	-0.0046	mg/L	19:51:34
1	Cr 267.716†	760.3	121.1	0.0004	mg/L	0.0004	mg/L	19:51:24
1	Cu 324.752†	6262.2	4467.1	0.0178	mg/L	0.0178	mg/L	19:51:24
1	Fe 238.204†	4633.0	3747.2	0.0147	mg/L	0.0147	mg/L	19:51:34
1	Mg 279.077†	130723.5	129840.5	7.642	mg/L	7.642	mg/L	19:51:24
1	Mn 257.610†	4151.9	3577.5	0.0020	mg/L	0.0020	mg/L	19:51:34
1	Mo 202.031†	202.6	213.5	0.0086	mg/L	0.0086	mg/L	19:51:34
1	Ni 231.604†	143.5	133.2	0.0001	mg/L	0.0001	mg/L	19:51:34
1	P 214.914†	4867.3	4582.3	1.871	mg/L	1.871	mg/L	19:51:34
1	Pb 220.353†	-86.8	-100.2	-0.0087	mg/L	-0.0087	mg/L	19:51:34

1	Sb 206.836†	41.0	5.1	0.0014 mg/L	0.0014 mg/L	19:51:34
1	Se 196.026†	-8.9	-6.9	-0.0023 mg/L	-0.0023 mg/L	19:51:34
1	Sn 189.927†	-415.4	-411.0	-0.0559 mg/L	-0.0559 mg/L	19:51:34
1	Ti 337.279†	-844.6	257.0	0.0015 mg/L	0.0015 mg/L	19:51:24
1	Tl 190.801†	19.6	11.8	0.0006 mg/L	0.0006 mg/L	19:51:34
1	V 292.402†	-807.6	118.7	0.0026 mg/L	0.0026 mg/L	19:51:24
1	Zn 213.857†	10569.3	9437.0	0.0604 mg/L	0.0604 mg/L	19:51:34
2	B 249.677†	185.2	181.5	0.2144 mg/L	0.2144 mg/L	19:51:15
2	Fe 234.349†	75.7	71.3	0.0619 mg/L	0.0619 mg/L	19:51:15
2	K 766.490†	26402.1	26017.2	19.43 mg/L	19.43 mg/L	19:51:05
2	Li 670.784†	-117.0	72.9	0.0053 mg/L	0.0053 mg/L	19:51:05
2	Na 589.592†	447712.9	446688.3	123.2 mg/L	123.2 mg/L	19:51:03
2	Sr 407.771†	65818.1	65515.7	0.1121 mg/L	0.1121 mg/L	19:51:03
2	Y 371.029	3136515.2	3136515.2	1.00 mg/L		19:51:39
2	Ag 328.068†	1867.8	-176.7	-0.0014 mg/L	-0.0014 mg/L	19:51:41
2	Al 237.313†	-138.3	9.3	-0.0158 mg/L	-0.0158 mg/L	19:51:52
2	As 188.979†	-17.9	-25.7	-0.0182 mg/L	-0.0182 mg/L	19:51:52
2	B 182.528†	152.7	158.9	0.1848 mg/L	0.1848 mg/L	19:51:52
2	Ba 233.527†	1847.3	1908.4	0.0157 mg/L	0.0157 mg/L	19:51:52
2	Be 313.107†	-1016.5	-108.4	0.0000 mg/L	0.0000 mg/L	19:51:41
2	Ca 315.887†	8111932.5	8086538.8	57.51 mg/L	57.51 mg/L	19:51:37
2	Cd 228.802†	85.5	-7.7	-0.0002 mg/L	-0.0002 mg/L	19:51:52
2	Co 228.616†	-45.6	-11.1	-0.0047 mg/L	-0.0047 mg/L	19:51:52
2	Cr 267.716†	782.5	144.2	0.0006 mg/L	0.0006 mg/L	19:51:41
2	Cu 324.752†	6289.6	4502.7	0.0179 mg/L	0.0179 mg/L	19:51:41
2	Fe 238.204†	4607.6	3727.9	0.0146 mg/L	0.0146 mg/L	19:51:52
2	Mg 279.077†	131683.5	130970.0	7.709 mg/L	7.709 mg/L	19:51:41
2	Mn 257.610†	4141.1	3572.2	0.0020 mg/L	0.0020 mg/L	19:51:52
2	Mo 202.031†	190.4	201.6	0.0081 mg/L	0.0081 mg/L	19:51:52
2	Ni 231.604†	145.8	135.7	0.0002 mg/L	0.0002 mg/L	19:51:52
2	P 214.914†	4910.0	4631.4	1.891 mg/L	1.891 mg/L	19:51:52
2	Pb 220.353†	-36.6	-50.3	-0.0057 mg/L	-0.0057 mg/L	19:51:52
2	Sb 206.836†	46.2	10.3	0.0043 mg/L	0.0043 mg/L	19:51:52
2	Se 196.026†	-12.6	-10.7	-0.0047 mg/L	-0.0047 mg/L	19:51:52
2	Sn 189.927†	-454.2	-450.2	-0.0611 mg/L	-0.0611 mg/L	19:51:52
2	Ti 337.279†	-598.4	501.3	0.0018 mg/L	0.0018 mg/L	19:51:41
2	Tl 190.801†	22.4	14.6	0.0021 mg/L	0.0021 mg/L	19:51:52
2	V 292.402†	-763.1	162.0	0.0028 mg/L	0.0028 mg/L	19:51:41
2	Zn 213.857†	10584.8	9466.3	0.0606 mg/L	0.0606 mg/L	19:51:52

Mean Data: 1210190-01

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3138589.8	1.00	mg/L	0.001				0.09%
Ag 328.068†	-245.4	-0.0018	mg/L	0.00060	-0.0018	mg/L	0.00060	33.90%
Al 237.313†	36.0	-0.0133	mg/L	0.00364	-0.0133	mg/L	0.00364	27.42%
As 188.979†	-26.3	-0.0186	mg/L	0.00065	-0.0186	mg/L	0.00065	3.47%
B 182.528†	157.7	0.1835	mg/L	0.00186	0.1835	mg/L	0.00186	1.01%
B 249.677†	183.1	0.2162	mg/L	0.00256	0.2162	mg/L	0.00256	1.18%
Ba 233.527†	1899.3	0.0156	mg/L	0.00012	0.0156	mg/L	0.00012	0.75%
Be 313.107†	-113.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	15.19%
Ca 315.887†	8157567.2	58.02	mg/L	0.715	58.02	mg/L	0.715	1.23%
Cd 228.802†	-6.3	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	41.04%
Co 228.616†	-7.9	-0.0046	mg/L	0.00008	-0.0046	mg/L	0.00008	1.68%
Cr 267.716†	132.7	0.0005	mg/L	0.00013	0.0005	mg/L	0.00013	24.31%
Cu 324.752†	4484.9	0.0178	mg/L	0.00011	0.0178	mg/L	0.00011	0.62%
Fe 234.349†	68.7	0.0574	mg/L	0.00641	0.0574	mg/L	0.00641	11.17%
Fe 238.204†	3737.5	0.0146	mg/L	0.00009	0.0146	mg/L	0.00009	0.59%
K 766.490†	25957.8	19.39	mg/L	0.063	19.39	mg/L	0.063	0.32%
Li 670.784†	70.4	0.0052	mg/L	0.00020	0.0052	mg/L	0.00020	3.93%
Mg 279.077†	130405.2	7.676	mg/L	0.0472	7.676	mg/L	0.0472	0.61%
Mn 257.610†	3574.9	0.0020	mg/L	0.00000	0.0020	mg/L	0.00000	0.22%
Mo 202.031†	207.6	0.0083	mg/L	0.00033	0.0083	mg/L	0.00033	3.94%
Na 589.592†	445277.3	122.8	mg/L	0.55	122.8	mg/L	0.55	0.45%
Ni 231.604†	134.4	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	24.69%
P 214.914†	4606.9	1.881	mg/L	0.0141	1.881	mg/L	0.0141	0.75%
Pb 220.353†	-75.2	-0.0072	mg/L	0.00211	-0.0072	mg/L	0.00211	29.31%
Sb 206.836†	7.7	0.0029	mg/L	0.00210	0.0029	mg/L	0.00210	73.56%
Se 196.026†	-8.8	-0.0035	mg/L	0.00169	-0.0035	mg/L	0.00169	48.64%
Sn 189.927†	-430.6	-0.0585	mg/L	0.00363	-0.0585	mg/L	0.00363	6.21%
Sr 407.771†	65487.0	0.1120	mg/L	0.00007	0.1120	mg/L	0.00007	0.06%
Ti 337.279†	379.1	0.0016	mg/L	0.00021	0.0016	mg/L	0.00021	12.66%

Tl 190.801†	13.2	0.0013 mg/L	0.00107	0.0013 mg/L	0.00107	79.72%
V 292.402†	140.4	0.0027 mg/L	0.00014	0.0027 mg/L	0.00014	5.02%
Zn 213.857†	9451.7	0.0605 mg/L	0.00014	0.0605 mg/L	0.00014	0.23%

Sequence No.: 47
Sample ID: 1210223-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 10/11/2012 7:53:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210223-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	35.3	33.0	0.0403	mg/L	0.0403	mg/L	19:55:22
1	Fe 234.349†	162.6	162.4	0.2500	mg/L	0.2500	mg/L	19:55:22
1	K 766.490†	25595.1	25914.0	19.36	mg/L	19.36	mg/L	19:55:12
1	Li 670.784†	-115.0	71.8	0.0053	mg/L	0.0053	mg/L	19:55:12
1	Na 589.592†	1950768.2	1998784.9	551.5	mg/L	551.5	mg/L	19:55:10
1	Sr 407.771†	21609.5	22029.4	0.0377	mg/L	0.0377	mg/L	19:55:12
1	Y 371.029	3052609.9	3052609.9	0.976	mg/L			19:55:40
1	Ag 328.068†	1947.5	-43.8	-0.0005	mg/L	-0.0005	mg/L	19:55:43
1	Al 237.313†	582.0	743.4	0.0549	mg/L	0.0549	mg/L	19:55:53
1	As 188.979†	1.8	-6.0	-0.0028	mg/L	-0.0028	mg/L	19:55:53
1	B 182.528†	30.7	38.1	0.0456	mg/L	0.0456	mg/L	19:55:53
1	Ba 233.527†	900.5	989.0	0.0074	mg/L	0.0074	mg/L	19:55:53
1	Be 313.107†	-958.2	-76.5	0.0000	mg/L	0.0000	mg/L	19:55:43
1	Ca 315.887†	1038591.0	1062463.7	7.544	mg/L	7.544	mg/L	19:55:40
1	Cd 228.802†	107.7	17.3	0.0004	mg/L	0.0004	mg/L	19:55:53
1	Co 228.616†	-26.1	7.7	-0.0042	mg/L	-0.0042	mg/L	19:55:53
1	Cr 267.716†	2194.7	1612.5	0.0128	mg/L	0.0128	mg/L	19:55:43
1	Cu 324.752†	17770.5	16436.8	0.0707	mg/L	0.0707	mg/L	19:55:43
1	Fe 238.204†	38800.0	38883.1	0.2387	mg/L	0.2387	mg/L	19:55:43
1	Mg 279.077†	25743.0	26046.5	1.511	mg/L	1.511	mg/L	19:55:43
1	Mn 257.610†	23541.1	23560.4	0.0252	mg/L	0.0252	mg/L	19:55:43
1	Mo 202.031†	7751.1	7952.5	0.3081	mg/L	0.3081	mg/L	19:55:53
1	Ni 231.604†	1006.2	1021.1	0.0194	mg/L	0.0194	mg/L	19:55:53
1	P 214.914†	7676.8	7600.4	3.090	mg/L	3.090	mg/L	19:55:53
1	Pb 220.353†	36.6	23.8	-0.0014	mg/L	-0.0014	mg/L	19:55:53
1	Sb 206.836†	41.7	7.0	0.0024	mg/L	0.0024	mg/L	19:55:53
1	Se 196.026†	2.8	4.8	0.0052	mg/L	0.0052	mg/L	19:55:53
1	Sn 189.927†	-75.0	-74.2	-0.0112	mg/L	-0.0112	mg/L	19:55:53
1	Ti 337.279†	861.8	1980.8	0.0036	mg/L	0.0036	mg/L	19:55:43
1	Tl 190.801†	13.4	6.1	-0.0027	mg/L	-0.0027	mg/L	19:55:53
1	V 292.402†	-1435.3	-547.6	0.0018	mg/L	0.0018	mg/L	19:55:43
1	Zn 213.857†	26374.9	25932.9	0.1718	mg/L	0.1718	mg/L	19:55:43
2	B 249.677†	35.1	32.8	0.0400	mg/L	0.0400	mg/L	19:55:36
2	Fe 234.349†	162.1	161.8	0.2493	mg/L	0.2493	mg/L	19:55:36
2	K 766.490†	26331.9	26676.5	19.93	mg/L	19.93	mg/L	19:55:26
2	Li 670.784†	-99.6	87.6	0.0062	mg/L	0.0062	mg/L	19:55:26
2	Na 589.592†	1966010.4	2014965.3	556.0	mg/L	556.0	mg/L	19:55:24
2	Sr 407.771†	22005.3	22441.2	0.0384	mg/L	0.0384	mg/L	19:55:26
2	Y 371.029	3051753.3	3051753.3	0.976	mg/L			19:55:55
2	Ag 328.068†	2017.9	28.9	-0.0001	mg/L	-0.0001	mg/L	19:55:57
2	Al 237.313†	624.7	787.4	0.0592	mg/L	0.0592	mg/L	19:56:08
2	As 188.979†	2.4	-5.4	-0.0023	mg/L	-0.0023	mg/L	19:56:08
2	B 182.528†	25.8	33.1	0.0399	mg/L	0.0399	mg/L	19:56:08
2	Ba 233.527†	892.6	981.2	0.0073	mg/L	0.0073	mg/L	19:56:08
2	Be 313.107†	-885.9	-2.7	0.0001	mg/L	0.0001	mg/L	19:55:57
2	Ca 315.887†	1036684.9	1060809.1	7.532	mg/L	7.532	mg/L	19:55:55
2	Cd 228.802†	96.7	6.0	0.0001	mg/L	0.0001	mg/L	19:56:08
2	Co 228.616†	-26.9	6.9	-0.0042	mg/L	-0.0042	mg/L	19:56:08
2	Cr 267.716†	2161.9	1579.4	0.0126	mg/L	0.0126	mg/L	19:55:57
2	Cu 324.752†	17984.9	16661.6	0.0717	mg/L	0.0717	mg/L	19:55:57
2	Fe 238.204†	39499.7	39611.3	0.2433	mg/L	0.2433	mg/L	19:55:57
2	Mg 279.077†	26153.3	26474.3	1.537	mg/L	1.537	mg/L	19:55:57
2	Mn 257.610†	23812.3	23845.1	0.0255	mg/L	0.0255	mg/L	19:55:57
2	Mo 202.031†	7788.2	7992.7	0.3097	mg/L	0.3097	mg/L	19:56:08
2	Ni 231.604†	987.7	1002.5	0.0190	mg/L	0.0190	mg/L	19:56:08
2	P 214.914†	7722.6	7649.6	3.110	mg/L	3.110	mg/L	19:56:08
2	Pb 220.353†	23.7	10.5	-0.0022	mg/L	-0.0022	mg/L	19:56:08
2	Sb 206.836†	54.3	19.9	0.0097	mg/L	0.0097	mg/L	19:56:08

2	Se 196.026†	8.7	10.9	0.0090 mg/L	0.0090 mg/L	19:56:08
2	Sn 189.927†	-96.9	-96.7	-0.0142 mg/L	-0.0142 mg/L	19:56:08
2	Ti 337.279†	816.7	1934.8	0.0035 mg/L	0.0035 mg/L	19:55:57
2	Tl 190.801†	3.7	-4.0	-0.0082 mg/L	-0.0082 mg/L	19:56:08
2	V 292.402†	-1459.6	-572.9	0.0017 mg/L	0.0017 mg/L	19:55:57
2	Zn 213.857†	26676.3	26249.3	0.1739 mg/L	0.1739 mg/L	19:55:57

Mean Data: 1210223-01

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3052181.6	0.976 mg/L	0.0002			0.02%
Ag 328.068†	-7.5	-0.0003 mg/L	0.00032	-0.0003 mg/L	0.00032	109.18%
Al 237.313†	765.4	0.0571 mg/L	0.00299	0.0571 mg/L	0.00299	5.25%
As 188.979†	-5.7	-0.0025 mg/L	0.00033	-0.0025 mg/L	0.00033	13.18%
B 182.528†	35.6	0.0428 mg/L	0.00404	0.0428 mg/L	0.00404	9.43%
B 249.677†	32.9	0.0402 mg/L	0.00016	0.0402 mg/L	0.00016	0.41%
Ba 233.527†	985.1	0.0073 mg/L	0.00005	0.0073 mg/L	0.00005	0.68%
Be 313.107†	-39.6	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	43.73%
Ca 315.887†	1061636.4	7.538 mg/L	0.0083	7.538 mg/L	0.0083	0.11%
Cd 228.802†	11.7	0.0003 mg/L	0.00021	0.0003 mg/L	0.00021	77.61%
Co 228.616†	7.3	-0.0042 mg/L	0.00001	-0.0042 mg/L	0.00001	0.22%
Cr 267.716†	1595.9	0.0127 mg/L	0.00019	0.0127 mg/L	0.00019	1.47%
Cu 324.752†	16549.2	0.0712 mg/L	0.00070	0.0712 mg/L	0.00070	0.99%
Fe 234.349†	162.1	0.2496 mg/L	0.00055	0.2496 mg/L	0.00055	0.22%
Fe 238.204†	39247.2	0.2410 mg/L	0.00328	0.2410 mg/L	0.00328	1.36%
K 766.490†	26295.2	19.64 mg/L	0.402	19.64 mg/L	0.402	2.05%
Li 670.784†	79.7	0.0057 mg/L	0.00064	0.0057 mg/L	0.00064	11.21%
Mg 279.077†	26260.4	1.524 mg/L	0.0179	1.524 mg/L	0.0179	1.17%
Mn 257.610†	23702.7	0.0254 mg/L	0.00023	0.0254 mg/L	0.00023	0.92%
Mo 202.031†	7972.6	0.3089 mg/L	0.00110	0.3089 mg/L	0.00110	0.36%
Na 589.592†	2006875.1	553.7 mg/L	3.16	553.7 mg/L	3.16	0.57%
Ni 231.604†	1011.8	0.0192 mg/L	0.00028	0.0192 mg/L	0.00028	1.44%
P 214.914†	7625.0	3.100 mg/L	0.0140	3.100 mg/L	0.0140	0.45%
Pb 220.353†	17.1	-0.0018 mg/L	0.00056	-0.0018 mg/L	0.00056	30.74%
Sb 206.836†	13.5	0.0060 mg/L	0.00519	0.0060 mg/L	0.00519	85.96%
Se 196.026†	7.9	0.0071 mg/L	0.00271	0.0071 mg/L	0.00271	37.99%
Sn 189.927†	-85.4	-0.0127 mg/L	0.00209	-0.0127 mg/L	0.00209	16.43%
Sr 407.771†	22235.3	0.0380 mg/L	0.00050	0.0380 mg/L	0.00050	1.31%
Ti 337.279†	1957.8	0.0035 mg/L	0.00004	0.0035 mg/L	0.00004	1.11%
Tl 190.801†	1.1	-0.0055 mg/L	0.00392	-0.0055 mg/L	0.00392	71.75%
V 292.402†	-560.2	0.0017 mg/L	0.00008	0.0017 mg/L	0.00008	4.31%
Zn 213.857†	26091.1	0.1728 mg/L	0.00151	0.1728 mg/L	0.00151	0.88%

Sequence No.: 48
Sample ID: CJ21017-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 10/11/2012 7:57:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21017-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	515.8	482.8	0.5672 mg/L	0.5672 mg/L	19:59:39
1	Fe 234.349†	1802.6	1693.9	2.662 mg/L	2.662 mg/L	19:59:39
1	K 766.490†	37507.9	35025.9	26.15 mg/L	26.15 mg/L	19:59:29
1	Li 670.784†	9327.6	8976.4	0.5170 mg/L	0.5170 mg/L	19:59:39
1	Na 589.592†	122064.6	115279.4	31.73 mg/L	31.73 mg/L	19:59:29
1	Sr 407.771†	32442.0	30452.2	0.0521 mg/L	0.0521 mg/L	19:59:29
1	Y 371.029	3319770.5	3319770.5	1.06 mg/L		19:59:57
1	Ag 328.068†	45786.1	41092.4	0.2549 mg/L	0.2549 mg/L	19:59:57
1	Al 237.313†	27702.0	26243.1	2.516 mg/L	2.516 mg/L	20:00:07
1	As 188.979†	690.7	642.8	0.5043 mg/L	0.5043 mg/L	20:00:07
1	B 182.528†	502.8	480.3	0.5552 mg/L	0.5552 mg/L	20:00:07
1	Ba 233.527†	61814.9	58297.4	0.5245 mg/L	0.5245 mg/L	19:59:57
1	Be 313.107†	112325.3	106717.8	0.0515 mg/L	0.0515 mg/L	19:59:57
1	Ca 315.887†	839817.1	789588.6	5.606 mg/L	5.606 mg/L	19:59:57
1	Cd 228.802†	10159.3	9477.2	0.2489 mg/L	0.2489 mg/L	20:00:07
1	Co 228.616†	31908.7	30093.1	0.5194 mg/L	0.5194 mg/L	20:00:07
1	Cr 267.716†	69069.8	64429.2	0.5191 mg/L	0.5191 mg/L	19:59:57
1	Cu 324.752†	127470.9	118311.7	0.5215 mg/L	0.5215 mg/L	19:59:57

1	Fe 238.204†	439670.9	413312.6	2.626 mg/L	2.626 mg/L	19:59:57
1	Mg 279.077†	94382.5	88583.9	5.207 mg/L	5.207 mg/L	19:59:57
1	Mn 257.610†	473714.7	445692.1	0.5153 mg/L	0.5153 mg/L	19:59:57
1	Mo 202.031†	13765.8	12979.4	0.5016 mg/L	0.5016 mg/L	20:00:07
1	Ni 231.604†	26337.5	24800.8	0.5226 mg/L	0.5226 mg/L	19:59:57
1	P 214.914†	13691.2	12633.2	5.124 mg/L	5.124 mg/L	20:00:07
1	Pb 220.353†	9192.2	8645.5	0.5129 mg/L	0.5129 mg/L	20:00:07
1	Sb 206.836†	985.1	892.3	0.5023 mg/L	0.5023 mg/L	20:00:07
1	Se 196.026†	1701.5	1604.8	1.020 mg/L	1.020 mg/L	20:00:07
1	Sn 189.927†	4187.0	3946.9	0.5243 mg/L	0.5243 mg/L	20:00:07
1	Ti 337.279†	452596.2	427452.7	0.5127 mg/L	0.5127 mg/L	19:59:57
1	Tl 190.801†	1011.9	945.6	0.5116 mg/L	0.5116 mg/L	20:00:07
1	V 292.402†	116347.2	110524.3	0.5146 mg/L	0.5146 mg/L	19:59:57
1	Zn 213.857†	83421.1	77497.1	0.5169 mg/L	0.5169 mg/L	19:59:57
2	B 249.677†	521.0	480.8	0.5649 mg/L	0.5649 mg/L	19:59:52
2	Fe 234.349†	1848.8	1712.8	2.692 mg/L	2.692 mg/L	19:59:52
2	K 766.490†	39254.1	36148.9	26.99 mg/L	26.99 mg/L	19:59:42
2	Li 670.784†	9479.1	8993.0	0.5180 mg/L	0.5180 mg/L	19:59:52
2	Na 589.592†	127486.3	118691.6	32.68 mg/L	32.68 mg/L	19:59:42
2	Sr 407.771†	33850.8	31329.2	0.0536 mg/L	0.0536 mg/L	19:59:42
2	Y 371.029	3367301.5	3367301.5	1.08 mg/L		20:00:11
2	Ag 328.068†	46102.0	40777.0	0.2530 mg/L	0.2530 mg/L	20:00:11
2	Al 237.313†	28192.5	26330.2	2.524 mg/L	2.524 mg/L	20:00:21
2	As 188.979†	707.3	649.0	0.5092 mg/L	0.5092 mg/L	20:00:21
2	B 182.528†	517.7	487.4	0.5634 mg/L	0.5634 mg/L	20:00:21
2	Ba 233.527†	62206.2	57838.8	0.5204 mg/L	0.5204 mg/L	20:00:11
2	Be 313.107†	112899.7	105757.6	0.0511 mg/L	0.0511 mg/L	20:00:11
2	Ca 315.887†	845606.6	783798.4	5.565 mg/L	5.565 mg/L	20:00:11
2	Cd 228.802†	10354.3	9523.3	0.2501 mg/L	0.2501 mg/L	20:00:21
2	Co 228.616†	32469.6	30189.7	0.5211 mg/L	0.5211 mg/L	20:00:21
2	Cr 267.716†	69483.1	63894.7	0.5148 mg/L	0.5148 mg/L	20:00:11
2	Cu 324.752†	127997.4	117105.7	0.5162 mg/L	0.5162 mg/L	20:00:11
2	Fe 238.204†	442258.2	409869.2	2.605 mg/L	2.605 mg/L	20:00:11
2	Mg 279.077†	94849.5	87762.6	5.158 mg/L	5.158 mg/L	20:00:11
2	Mn 257.610†	476527.3	442005.2	0.5110 mg/L	0.5110 mg/L	20:00:11
2	Mo 202.031†	14023.1	13035.3	0.5038 mg/L	0.5038 mg/L	20:00:21
2	Ni 231.604†	26491.4	24593.5	0.5182 mg/L	0.5182 mg/L	20:00:11
2	P 214.914†	13846.4	12595.3	5.109 mg/L	5.109 mg/L	20:00:21
2	Pb 220.353†	9362.9	8681.8	0.5150 mg/L	0.5150 mg/L	20:00:21
2	Sb 206.836†	1001.4	894.3	0.5035 mg/L	0.5035 mg/L	20:00:21
2	Se 196.026†	1735.9	1614.1	1.026 mg/L	1.026 mg/L	20:00:21
2	Sn 189.927†	4250.0	3949.7	0.5247 mg/L	0.5247 mg/L	20:00:21
2	Ti 337.279†	455572.4	424198.5	0.5088 mg/L	0.5088 mg/L	20:00:11
2	Tl 190.801†	1018.1	937.8	0.5073 mg/L	0.5073 mg/L	20:00:21
2	V 292.402†	116939.6	109527.3	0.5100 mg/L	0.5100 mg/L	20:00:11
2	Zn 213.857†	83878.1	76812.2	0.5123 mg/L	0.5123 mg/L	20:00:11

Mean Data: CJ21017-BS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3343536.0	1.07	mg/L	0.011				1.01%
Ag 328.068†	40934.7	0.2540	mg/L	0.00138	0.2540	mg/L	0.00138	0.54%
Al 237.313†	26286.6	2.520	mg/L	0.0059	2.520	mg/L	0.0059	0.23%
As 188.979†	645.9	0.5067	mg/L	0.00344	0.5067	mg/L	0.00344	0.68%
B 182.528†	483.9	0.5593	mg/L	0.00580	0.5593	mg/L	0.00580	1.04%
B 249.677†	481.8	0.5660	mg/L	0.00166	0.5660	mg/L	0.00166	0.29%
Ba 233.527†	58068.1	0.5225	mg/L	0.00293	0.5225	mg/L	0.00293	0.56%
Be 313.107†	106237.7	0.0513	mg/L	0.00033	0.0513	mg/L	0.00033	0.64%
Ca 315.887†	786693.5	5.585	mg/L	0.0292	5.585	mg/L	0.0292	0.52%
Cd 228.802†	9500.3	0.2495	mg/L	0.00085	0.2495	mg/L	0.00085	0.34%
Co 228.616†	30141.4	0.5202	mg/L	0.00120	0.5202	mg/L	0.00120	0.23%
Cr 267.716†	64161.9	0.5169	mg/L	0.00304	0.5169	mg/L	0.00304	0.59%
Cu 324.752†	117708.7	0.5188	mg/L	0.00377	0.5188	mg/L	0.00377	0.73%
Fe 234.349†	1703.3	2.677	mg/L	0.0211	2.677	mg/L	0.0211	0.79%
Fe 238.204†	411590.9	2.615	mg/L	0.0155	2.615	mg/L	0.0155	0.59%
K 766.490†	35587.4	26.57	mg/L	0.592	26.57	mg/L	0.592	2.23%
Li 670.784†	8984.7	0.5175	mg/L	0.00068	0.5175	mg/L	0.00068	0.13%
Mg 279.077†	88173.2	5.183	mg/L	0.0343	5.183	mg/L	0.0343	0.66%
Mn 257.610†	443848.6	0.5132	mg/L	0.00303	0.5132	mg/L	0.00303	0.59%
Mo 202.031†	13007.4	0.5027	mg/L	0.00153	0.5027	mg/L	0.00153	0.30%
Na 589.592†	116985.5	32.21	mg/L	0.666	32.21	mg/L	0.666	2.07%
Ni 231.604†	24697.1	0.5204	mg/L	0.00310	0.5204	mg/L	0.00310	0.60%

P 214.914†	12614.2	5.117 mg/L	0.0107	5.117 mg/L	0.0107	0.21%
Pb 220.353†	8663.6	0.5139 mg/L	0.00154	0.5139 mg/L	0.00154	0.30%
Sb 206.836†	893.3	0.5029 mg/L	0.00081	0.5029 mg/L	0.00081	0.16%
Se 196.026†	1609.4	1.023 mg/L	0.0042	1.023 mg/L	0.0042	0.41%
Sn 189.927†	3948.3	0.5245 mg/L	0.00032	0.5245 mg/L	0.00032	0.06%
Sr 407.771†	30890.7	0.0528 mg/L	0.00106	0.0528 mg/L	0.00106	2.01%
Ti 337.279†	425825.6	0.5108 mg/L	0.00275	0.5108 mg/L	0.00275	0.54%
Tl 190.801†	941.7	0.5095 mg/L	0.00303	0.5095 mg/L	0.00303	0.60%
V 292.402†	110025.8	0.5123 mg/L	0.00324	0.5123 mg/L	0.00324	0.63%
Zn 213.857†	77154.6	0.5146 mg/L	0.00325	0.5146 mg/L	0.00325	0.63%

Sequence No.: 49
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/11/2012 8:02:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	475.9	439.4	0.5163 mg/L	0.5163 mg/L	20:03:54
1	Fe 234.349†	1756.7	1629.2	2.561 mg/L	2.561 mg/L	20:03:54
1	K 766.490†	36457.2	33591.0	25.08 mg/L	25.08 mg/L	20:03:44
1	Li 670.784†	9024.5	8580.7	0.4943 mg/L	0.4943 mg/L	20:03:54
1	Na 589.592†	99303.8	92625.5	25.48 mg/L	25.48 mg/L	20:03:44
1	Sr 407.771†	31885.1	29538.2	0.0505 mg/L	0.0505 mg/L	20:03:44
1	Y 371.029	3363374.5	3363374.5	1.08 mg/L		20:04:12
1	Ag 328.068†	45534.4	40299.2	0.2500 mg/L	0.2500 mg/L	20:04:12
1	Al 237.313†	28304.9	26465.3	2.537 mg/L	2.537 mg/L	20:04:23
1	As 188.979†	716.0	657.9	0.5160 mg/L	0.5160 mg/L	20:04:23
1	B 182.528†	458.6	433.1	0.5008 mg/L	0.5008 mg/L	20:04:23
1	Ba 233.527†	60755.1	56557.0	0.5088 mg/L	0.5088 mg/L	20:04:12
1	Be 313.107†	111405.2	104490.4	0.0505 mg/L	0.0505 mg/L	20:04:12
1	Ca 315.887†	766656.1	711306.6	5.049 mg/L	5.049 mg/L	20:04:12
1	Cd 228.802†	10175.4	9368.2	0.2460 mg/L	0.2460 mg/L	20:04:23
1	Co 228.616†	31784.2	29587.7	0.5106 mg/L	0.5106 mg/L	20:04:23
1	Cr 267.716†	68299.8	62869.7	0.5065 mg/L	0.5065 mg/L	20:04:12
1	Cu 324.752†	124533.4	114023.6	0.5025 mg/L	0.5025 mg/L	20:04:12
1	Fe 238.204†	430823.6	399716.8	2.540 mg/L	2.540 mg/L	20:04:12
1	Mg 279.077†	93926.4	87007.1	5.114 mg/L	5.114 mg/L	20:04:12
1	Mn 257.610†	468522.9	435079.4	0.5030 mg/L	0.5030 mg/L	20:04:12
1	Mo 202.031†	13806.1	12848.8	0.4966 mg/L	0.4966 mg/L	20:04:23
1	Ni 231.604†	26248.3	24396.2	0.5140 mg/L	0.5140 mg/L	20:04:12
1	P 214.914†	13677.4	12453.2	5.051 mg/L	5.051 mg/L	20:04:23
1	Pb 220.353†	9201.0	8541.4	0.5067 mg/L	0.5067 mg/L	20:04:23
1	Sb 206.836†	995.4	889.8	0.5010 mg/L	0.5010 mg/L	20:04:23
1	Se 196.026†	1720.7	1601.9	1.018 mg/L	1.018 mg/L	20:04:23
1	Sn 189.927†	4153.5	3864.7	0.5131 mg/L	0.5131 mg/L	20:04:23
1	Ti 337.279†	446075.4	415862.1	0.4988 mg/L	0.4988 mg/L	20:04:12
1	Tl 190.801†	989.3	912.2	0.4933 mg/L	0.4933 mg/L	20:04:23
1	V 292.402†	116279.8	109040.7	0.5077 mg/L	0.5077 mg/L	20:04:12
1	Zn 213.857†	81850.9	75018.3	0.5002 mg/L	0.5002 mg/L	20:04:12
2	B 249.677†	471.8	436.2	0.5125 mg/L	0.5125 mg/L	20:04:07
2	Fe 234.349†	1772.8	1646.3	2.588 mg/L	2.588 mg/L	20:04:07
2	K 766.490†	36092.4	33296.8	24.86 mg/L	24.86 mg/L	20:03:57
2	Li 670.784†	9073.9	8637.9	0.4976 mg/L	0.4976 mg/L	20:04:07
2	Na 589.592†	98191.2	91713.5	25.23 mg/L	25.23 mg/L	20:03:57
2	Sr 407.771†	31447.7	29170.8	0.0499 mg/L	0.0499 mg/L	20:03:57
2	Y 371.029	3358866.0	3358866.0	1.07 mg/L		20:04:26
2	Ag 328.068†	45429.2	40258.1	0.2498 mg/L	0.2498 mg/L	20:04:26
2	Al 237.313†	28160.5	26366.2	2.527 mg/L	2.527 mg/L	20:04:36
2	As 188.979†	706.6	650.1	0.5099 mg/L	0.5099 mg/L	20:04:36
2	B 182.528†	459.8	434.8	0.5027 mg/L	0.5027 mg/L	20:04:36
2	Ba 233.527†	60604.5	56492.7	0.5082 mg/L	0.5082 mg/L	20:04:26
2	Be 313.107†	111060.1	104308.2	0.0504 mg/L	0.0504 mg/L	20:04:26
2	Ca 315.887†	762605.9	708492.5	5.029 mg/L	5.029 mg/L	20:04:26
2	Cd 228.802†	10131.2	9339.7	0.2452 mg/L	0.2452 mg/L	20:04:36
2	Co 228.616†	31649.9	29502.3	0.5091 mg/L	0.5091 mg/L	20:04:36
2	Cr 267.716†	67930.1	62610.7	0.5044 mg/L	0.5044 mg/L	20:04:26
2	Cu 324.752†	124120.1	113794.2	0.5015 mg/L	0.5015 mg/L	20:04:26
2	Fe 238.204†	428999.5	398556.1	2.532 mg/L	2.532 mg/L	20:04:26

2	Mg	279.077†	93418.4	86651.4	5.093 mg/L	5.093 mg/L	20:04:26
2	Mn	257.610†	466943.6	434193.7	0.5020 mg/L	0.5020 mg/L	20:04:26
2	Mo	202.031†	13801.0	12861.3	0.4971 mg/L	0.4971 mg/L	20:04:36
2	Ni	231.604†	26164.8	24351.2	0.5131 mg/L	0.5131 mg/L	20:04:26
2	P	214.914†	13643.6	12438.7	5.046 mg/L	5.046 mg/L	20:04:36
2	Pb	220.353†	9153.0	8508.2	0.5047 mg/L	0.5047 mg/L	20:04:36
2	Sb	206.836†	1004.3	899.4	0.5064 mg/L	0.5064 mg/L	20:04:36
2	Se	196.026†	1717.3	1600.8	1.017 mg/L	1.017 mg/L	20:04:36
2	Sn	189.927†	4128.6	3846.6	0.5108 mg/L	0.5108 mg/L	20:04:36
2	Ti	337.279†	444953.3	415374.1	0.4983 mg/L	0.4983 mg/L	20:04:26
2	Tl	190.801†	992.6	916.5	0.4957 mg/L	0.4957 mg/L	20:04:36
2	V	292.402†	116132.0	109048.2	0.5077 mg/L	0.5077 mg/L	20:04:26
2	Zn	213.857†	81574.3	74862.9	0.4992 mg/L	0.4992 mg/L	20:04:26

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3361120.2	1.07 mg/L	0.001			0.09%
Ag 328.068†	40278.7	0.2499 mg/L	0.00018	0.2499 mg/L	0.00018	0.07%
	QC value within limits for Ag 328.068	Recovery = 99.95%				
Al 237.313†	26415.8	2.532 mg/L	0.0068	2.532 mg/L	0.0068	0.27%
	QC value within limits for Al 237.313	Recovery = 101.29%				
As 188.979†	654.0	0.5130 mg/L	0.00430	0.5130 mg/L	0.00430	0.84%
	QC value within limits for As 188.979	Recovery = 102.60%				
B 182.528†	433.9	0.5018 mg/L	0.00138	0.5018 mg/L	0.00138	0.28%
	QC value within limits for B 182.528	Recovery = 100.35%				
B 249.677†	437.8	0.5144 mg/L	0.00267	0.5144 mg/L	0.00267	0.52%
	QC value within limits for B 249.677	Recovery = 102.88%				
Ba 233.527†	56524.9	0.5085 mg/L	0.00041	0.5085 mg/L	0.00041	0.08%
	QC value within limits for Ba 233.527	Recovery = 101.71%				
Be 313.107†	104399.3	0.0504 mg/L	0.00006	0.0504 mg/L	0.00006	0.12%
	QC value within limits for Be 313.107	Recovery = 100.84%				
Ca 315.887†	709899.5	5.039 mg/L	0.0142	5.039 mg/L	0.0142	0.28%
	QC value within limits for Ca 315.887	Recovery = 100.78%				
Cd 228.802†	9353.9	0.2456 mg/L	0.00052	0.2456 mg/L	0.00052	0.21%
	QC value within limits for Cd 228.802	Recovery = 98.24%				
Co 228.616†	29545.0	0.5098 mg/L	0.00105	0.5098 mg/L	0.00105	0.21%
	QC value within limits for Co 228.616	Recovery = 101.97%				
Cr 267.716†	62740.2	0.5055 mg/L	0.00147	0.5055 mg/L	0.00147	0.29%
	QC value within limits for Cr 267.716	Recovery = 101.10%				
Cu 324.752†	113908.9	0.5020 mg/L	0.00072	0.5020 mg/L	0.00072	0.14%
	QC value within limits for Cu 324.752	Recovery = 100.40%				
Fe 234.349†	1637.7	2.574 mg/L	0.0192	2.574 mg/L	0.0192	0.74%
	QC value within limits for Fe 234.349	Recovery = 102.96%				
Fe 238.204†	399136.5	2.536 mg/L	0.0052	2.536 mg/L	0.0052	0.21%
	QC value within limits for Fe 238.204	Recovery = 101.44%				
K 766.490†	33443.9	24.97 mg/L	0.155	24.97 mg/L	0.155	0.62%
	QC value within limits for K 766.490	Recovery = 99.88%				
Li 670.784†	8609.3	0.4959 mg/L	0.00233	0.4959 mg/L	0.00233	0.47%
	QC value within limits for Li 670.784	Recovery = 99.18%				
Mg 279.077†	86829.3	5.103 mg/L	0.0149	5.103 mg/L	0.0149	0.29%
	QC value within limits for Mg 279.077	Recovery = 102.07%				
Mn 257.610†	434636.6	0.5025 mg/L	0.00073	0.5025 mg/L	0.00073	0.14%
	QC value within limits for Mn 257.610	Recovery = 100.50%				
Mo 202.031†	12855.0	0.4969 mg/L	0.00034	0.4969 mg/L	0.00034	0.07%
	QC value within limits for Mo 202.031	Recovery = 99.37%				
Na 589.592†	92169.5	25.36 mg/L	0.178	25.36 mg/L	0.178	0.70%
	QC value within limits for Na 589.592	Recovery = 101.43%				
Ni 231.604†	24373.7	0.5135 mg/L	0.00067	0.5135 mg/L	0.00067	0.13%
	QC value within limits for Ni 231.604	Recovery = 102.71%				
P 214.914†	12445.9	5.049 mg/L	0.0041	5.049 mg/L	0.0041	0.08%
	QC value within limits for P 214.914	Recovery = 100.97%				
Pb 220.353†	8524.8	0.5057 mg/L	0.00140	0.5057 mg/L	0.00140	0.28%
	QC value within limits for Pb 220.353	Recovery = 101.13%				
Sb 206.836†	894.6	0.5037 mg/L	0.00380	0.5037 mg/L	0.00380	0.75%
	QC value within limits for Sb 206.836	Recovery = 100.74%				
Se 196.026†	1601.3	1.018 mg/L	0.0005	1.018 mg/L	0.0005	0.05%
	QC value within limits for Se 196.026	Recovery = 101.78%				
Sn 189.927†	3855.6	0.5120 mg/L	0.00162	0.5120 mg/L	0.00162	0.32%
	QC value within limits for Sn 189.927	Recovery = 102.40%				
Sr 407.771†	29354.5	0.0502 mg/L	0.00044	0.0502 mg/L	0.00044	0.88%
	QC value within limits for Sr 407.771	Recovery = 100.42%				

Ti 337.279† 415618.1 0.4985 mg/L 0.00041 0.4985 mg/L 0.00041 0.08%
 QC value within limits for Ti 337.279 Recovery = 99.71%
 Tl 190.801† 914.3 0.4945 mg/L 0.00169 0.4945 mg/L 0.00169 0.34%
 QC value within limits for Tl 190.801 Recovery = 98.90%
 V 292.402† 109044.5 0.5077 mg/L 0.00001 0.5077 mg/L 0.00001 0.00%
 QC value within limits for V 292.402 Recovery = 101.55%
 Zn 213.857† 74940.6 0.4997 mg/L 0.00074 0.4997 mg/L 0.00074 0.15%
 QC value within limits for Zn 213.857 Recovery = 99.94%
 All analyte(s) passed QC.

Sequence No.: 50 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/11/2012 8:06:15 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	4.4	0.8	0.0021 mg/L	0.0021 mg/L	20:08:14
1	Fe 234.349†	4.6	-0.1	0.0007 mg/L	0.0007 mg/L	20:08:14
1	K 766.490†	594.9	228.1	0.2149 mg/L	0.2149 mg/L	20:08:04
1	Li 670.784†	-155.0	50.1	0.0040 mg/L	0.0040 mg/L	20:08:04
1	Na 589.592†	943.3	1140.9	0.2366 mg/L	0.2366 mg/L	20:08:04
1	Sr 407.771†	80.6	-36.2	-0.0001 mg/L	-0.0001 mg/L	20:08:04
1	Y 371.029	3475336.6	3475336.6	1.11 mg/L		20:08:38
1	Ag 328.068†	2064.8	-181.0	-0.0014 mg/L	-0.0014 mg/L	20:08:41
1	Al 237.313†	-262.4	-88.9	-0.0253 mg/L	-0.0253 mg/L	20:08:41
1	As 188.979†	12.6	3.5	0.0045 mg/L	0.0045 mg/L	20:08:51
1	B 182.528†	-9.1	-1.5	0.0001 mg/L	0.0001 mg/L	20:08:51
1	Ba 233.527†	-66.7	6.5	-0.0015 mg/L	-0.0015 mg/L	20:08:51
1	Be 313.107†	-869.6	122.5	0.0001 mg/L	0.0001 mg/L	20:08:41
1	Ca 315.887†	647.5	-953.3	-0.0204 mg/L	-0.0204 mg/L	20:08:41
1	Cd 228.802†	112.5	8.2	0.0001 mg/L	0.0001 mg/L	20:08:51
1	Co 228.616†	-12.8	23.0	-0.0041 mg/L	-0.0041 mg/L	20:08:51
1	Cr 267.716†	709.4	2.4	-0.0005 mg/L	-0.0005 mg/L	20:08:41
1	Cu 324.752†	2042.4	69.4	-0.0017 mg/L	-0.0017 mg/L	20:08:41
1	Fe 238.204†	607.1	-319.9	-0.0112 mg/L	-0.0112 mg/L	20:08:51
1	Mg 279.077†	269.8	-83.5	-0.0323 mg/L	-0.0323 mg/L	20:08:41
1	Mn 257.610†	540.9	-70.0	-0.0022 mg/L	-0.0022 mg/L	20:08:41
1	Mo 202.031†	2.4	13.9	0.0009 mg/L	0.0009 mg/L	20:08:51
1	Ni 231.604†	24.7	12.5	-0.0024 mg/L	-0.0024 mg/L	20:08:41
1	P 214.914†	267.5	-23.5	0.0060 mg/L	0.0060 mg/L	20:08:51
1	Pb 220.353†	16.4	1.0	-0.0026 mg/L	-0.0026 mg/L	20:08:51
1	Sb 206.836†	38.4	-1.2	-0.0021 mg/L	-0.0021 mg/L	20:08:51
1	Se 196.026†	-2.4	-0.2	0.0019 mg/L	0.0019 mg/L	20:08:51
1	Sn 189.927†	1.7	4.2	-0.0017 mg/L	-0.0017 mg/L	20:08:51
1	Ti 337.279†	-1036.7	165.0	0.0014 mg/L	0.0014 mg/L	20:08:41
1	Tl 190.801†	10.9	2.1	-0.0047 mg/L	-0.0047 mg/L	20:08:51
1	V 292.402†	-1072.2	-41.9	0.0019 mg/L	0.0019 mg/L	20:08:41
1	Zn 213.857†	1170.2	-34.3	-0.0036 mg/L	-0.0036 mg/L	20:08:51
2	B 249.677†	6.4	2.6	0.0043 mg/L	0.0043 mg/L	20:08:35
2	Fe 234.349†	3.3	-1.2	-0.0011 mg/L	-0.0011 mg/L	20:08:35
2	K 766.490†	597.3	230.4	0.2165 mg/L	0.2165 mg/L	20:08:25
2	Li 670.784†	-151.7	53.0	0.0042 mg/L	0.0042 mg/L	20:08:25
2	Na 589.592†	906.2	1107.7	0.2274 mg/L	0.2274 mg/L	20:08:25
2	Sr 407.771†	74.1	-42.1	-0.0001 mg/L	-0.0001 mg/L	20:08:25
2	Y 371.029	3474433.9	3474433.9	1.11 mg/L		20:08:53
2	Ag 328.068†	2086.3	-161.2	-0.0013 mg/L	-0.0013 mg/L	20:08:55
2	Al 237.313†	-165.8	-2.0	-0.0169 mg/L	-0.0169 mg/L	20:08:55
2	As 188.979†	16.3	6.8	0.0071 mg/L	0.0071 mg/L	20:09:06
2	B 182.528†	-1.5	5.3	0.0079 mg/L	0.0079 mg/L	20:09:06
2	Ba 233.527†	-69.8	3.7	-0.0015 mg/L	-0.0015 mg/L	20:09:06
2	Be 313.107†	-901.6	93.5	0.0001 mg/L	0.0001 mg/L	20:08:55
2	Ca 315.887†	363.0	-1209.2	-0.0222 mg/L	-0.0222 mg/L	20:08:55
2	Cd 228.802†	93.5	-8.8	-0.0003 mg/L	-0.0003 mg/L	20:09:06
2	Co 228.616†	-22.7	14.1	-0.0043 mg/L	-0.0043 mg/L	20:09:06
2	Cr 267.716†	644.7	-55.6	-0.0010 mg/L	-0.0010 mg/L	20:08:55
2	Cu 324.752†	2031.5	60.1	-0.0017 mg/L	-0.0017 mg/L	20:08:55
2	Fe 238.204†	593.9	-331.6	-0.0113 mg/L	-0.0113 mg/L	20:09:06
2	Mg 279.077†	266.1	-86.8	-0.0325 mg/L	-0.0325 mg/L	20:08:55

2	Mn 257.610†	610.8	-6.9	-0.0022 mg/L	-0.0022 mg/L	20:08:55
2	Mo 202.031†	0.4	12.1	0.0008 mg/L	0.0008 mg/L	20:09:06
2	Ni 231.604†	-12.3	-20.7	-0.0031 mg/L	-0.0031 mg/L	20:08:55
2	P 214.914†	260.3	-29.9	0.0035 mg/L	0.0035 mg/L	20:09:06
2	Pb 220.353†	-9.2	-22.1	-0.0039 mg/L	-0.0039 mg/L	20:09:06
2	Sb 206.836†	46.4	6.0	0.0020 mg/L	0.0020 mg/L	20:09:06
2	Se 196.026†	13.2	13.9	0.0108 mg/L	0.0108 mg/L	20:09:06
2	Sn 189.927†	-2.6	0.3	-0.0022 mg/L	-0.0022 mg/L	20:09:06
2	Ti 337.279†	-997.7	199.9	0.0014 mg/L	0.0014 mg/L	20:08:55
2	Tl 190.801†	6.2	-2.1	-0.0071 mg/L	-0.0071 mg/L	20:09:06
2	V 292.402†	-1070.2	-40.4	0.0019 mg/L	0.0019 mg/L	20:08:55
2	Zn 213.857†	1162.9	-40.6	-0.0037 mg/L	-0.0037 mg/L	20:09:06

Mean Data: CCBl

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3474885.2	1.11 mg/L		0.000				0.02%
Ag 328.068†	-171.1	-0.0013 mg/L		0.00009	-0.0013 mg/L		0.00009	6.55%
QC value within limits for Ag 328.068			Recovery =	Not calculated				
Al 237.313†	-45.4	-0.0211 mg/L		0.00591	-0.0211 mg/L		0.00591	28.01%
QC value within limits for Al 237.313			Recovery =	Not calculated				
As 188.979†	5.1	0.0058 mg/L		0.00183	0.0058 mg/L		0.00183	31.35%
QC value within limits for As 188.979			Recovery =	Not calculated				
B 182.528†	1.9	0.0040 mg/L		0.00552	0.0040 mg/L		0.00552	138.76%
QC value within limits for B 182.528			Recovery =	Not calculated				
B 249.677†	1.7	0.0032 mg/L		0.00149	0.0032 mg/L		0.00149	46.61%
QC value within limits for B 249.677			Recovery =	Not calculated				
Ba 233.527†	5.1	-0.0015 mg/L		0.00002	-0.0015 mg/L		0.00002	1.18%
QC value within limits for Ba 233.527			Recovery =	Not calculated				
Be 313.107†	108.0	0.0001 mg/L		0.00001	0.0001 mg/L		0.00001	7.78%
QC value within limits for Be 313.107			Recovery =	Not calculated				
Ca 315.887†	-1081.2	-0.0213 mg/L		0.00129	-0.0213 mg/L		0.00129	6.05%
QC value within limits for Ca 315.887			Recovery =	Not calculated				
Cd 228.802†	-0.3	-0.0001 mg/L		0.00033	-0.0001 mg/L		0.00033	401.60%
QC value within limits for Cd 228.802			Recovery =	Not calculated				
Co 228.616†	18.5	-0.0042 mg/L		0.00011	-0.0042 mg/L		0.00011	2.63%
QC value less than the lower limit for Co 228.616			Recovery =	Not calculated				
Cr 267.716†	-26.6	-0.0008 mg/L		0.00033	-0.0008 mg/L		0.00033	43.89%
QC value within limits for Cr 267.716			Recovery =	Not calculated				
Cu 324.752†	64.8	-0.0017 mg/L		0.00003	-0.0017 mg/L		0.00003	1.72%
QC value within limits for Cu 324.752			Recovery =	Not calculated				
Fe 234.349†	-0.6	-0.0002 mg/L		0.00126	-0.0002 mg/L		0.00126	674.20%
QC value within limits for Fe 234.349			Recovery =	Not calculated				
Fe 238.204†	-325.7	-0.0113 mg/L		0.00005	-0.0113 mg/L		0.00005	0.47%
QC value within limits for Fe 238.204			Recovery =	Not calculated				
K 766.490†	229.2	0.2157 mg/L		0.00117	0.2157 mg/L		0.00117	0.54%
QC value greater than the upper limit for K 766.490			Recovery =	Not calculated				
Li 670.784†	51.5	0.0041 mg/L		0.00012	0.0041 mg/L		0.00012	2.93%
QC value within limits for Li 670.784			Recovery =	Not calculated				
Mg 279.077†	-85.2	-0.0324 mg/L		0.00014	-0.0324 mg/L		0.00014	0.42%
QC value less than the lower limit for Mg 279.077			Recovery =	Not calculated				
Mn 257.610†	-38.4	-0.0022 mg/L		0.00005	-0.0022 mg/L		0.00005	2.35%
QC value within limits for Mn 257.610			Recovery =	Not calculated				
Mo 202.031†	13.0	0.0009 mg/L		0.00005	0.0009 mg/L		0.00005	5.77%
QC value within limits for Mo 202.031			Recovery =	Not calculated				
Na 589.592†	1124.3	0.2320 mg/L		0.00648	0.2320 mg/L		0.00648	2.79%
QC value greater than the upper limit for Na 589.592			Recovery =	Not calculated				
Ni 231.604†	-4.1	-0.0028 mg/L		0.00050	-0.0028 mg/L		0.00050	17.80%
QC value less than the lower limit for Ni 231.604			Recovery =	Not calculated				
P 214.914†	-26.7	0.0048 mg/L		0.00182	0.0048 mg/L		0.00182	38.32%
QC value within limits for P 214.914			Recovery =	Not calculated				
Pb 220.353†	-10.5	-0.0033 mg/L		0.00098	-0.0033 mg/L		0.00098	30.05%
QC value within limits for Pb 220.353			Recovery =	Not calculated				
Sb 206.836†	2.4	-0.0001 mg/L		0.00288	-0.0001 mg/L		0.00288	>999.9%
QC value within limits for Sb 206.836			Recovery =	Not calculated				
Se 196.026†	6.8	0.0064 mg/L		0.00629	0.0064 mg/L		0.00629	98.82%
QC value within limits for Se 196.026			Recovery =	Not calculated				
Sn 189.927†	2.3	-0.0019 mg/L		0.00037	-0.0019 mg/L		0.00037	18.95%
QC value within limits for Sn 189.927			Recovery =	Not calculated				
Sr 407.771†	-39.2	-0.0001 mg/L		0.00001	-0.0001 mg/L		0.00001	11.61%
QC value within limits for Sr 407.771			Recovery =	Not calculated				
Ti 337.279†	182.5	0.0014 mg/L		0.00003	0.0014 mg/L		0.00003	2.11%

QC value greater than the upper limit for Ti 337.279 Recovery = Not calculated
 Tl 190.801† -0.0 -0.0059 mg/L 0.00165 -0.0059 mg/L 0.00165 27.87%
 QC value within limits for Tl 190.801 Recovery = Not calculated
 V 292.402† -41.2 0.0019 mg/L 0.00000 0.0019 mg/L 0.00000 0.16%
 QC value greater than the upper limit for V 292.402 Recovery = Not calculated
 Zn 213.857† -37.4 -0.0036 mg/L 0.00003 -0.0036 mg/L 0.00003 0.76%
 QC value within limits for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

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Sequence No.: 51 Autosampler Location: 48
 Sample ID: CJ21101-BLK1 Date Collected: 10/11/2012 8:10:43 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:
 User canceled analysis.

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Analysis Begun

Start Time: 10/11/2012 8:13:16 PM Plasma On Time: 10/11/2012 7:37:31 AM
 Logged In Analyst: ICP3 Technique: ICP Continuous
 Spectrometer Model: Optima 4300 DV, S/N 077N1032302 Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\101112NB.sif
 Batch ID:
 Results Data Set: 101112NBD
 Results Library: C:\pe\ICP3\Results\Results.mdb

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Sequence No.: 51 Autosampler Location: 48
 Sample ID: CJ21101-BLK1 Date Collected: 10/11/2012 8:13:16 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CJ21101-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-0.6	-3.6	-0.0031 mg/L	-0.0031 mg/L	20:15:15
1	Fe 234.349†	5.3	0.5	0.0016 mg/L	0.0016 mg/L	20:15:15
1	K 766.490†	409.0	59.0	0.0888 mg/L	0.0888 mg/L	20:15:05
1	Li 670.784†	-134.9	68.8	0.0051 mg/L	0.0051 mg/L	20:15:05
1	Na 589.592†	134.0	412.1	0.0354 mg/L	0.0354 mg/L	20:15:05
1	Sr 407.771†	126.8	4.7	0.0000 mg/L	0.0000 mg/L	20:15:05
1	Y 371.029	3492270.9	3492270.9	1.12 mg/L		20:15:39
1	Ag 328.068†	2036.3	-215.5	-0.0016 mg/L	-0.0016 mg/L	20:15:42
1	Al 237.313†	-186.0	-19.3	-0.0186 mg/L	-0.0186 mg/L	20:15:42
1	As 188.979†	13.1	3.9	0.0049 mg/L	0.0049 mg/L	20:15:52
1	B 182.528†	-9.6	-1.9	-0.0004 mg/L	-0.0004 mg/L	20:15:52
1	Ba 233.527†	-69.7	4.1	-0.0015 mg/L	-0.0015 mg/L	20:15:52
1	Be 313.107†	-929.5	72.7	0.0001 mg/L	0.0001 mg/L	20:15:42
1	Ca 315.887†	1536.2	-160.3	-0.0147 mg/L	-0.0147 mg/L	20:15:42
1	Cd 228.802†	100.8	-2.7	-0.0001 mg/L	-0.0001 mg/L	20:15:52
1	Co 228.616†	-47.1	-7.7	-0.0046 mg/L	-0.0046 mg/L	20:15:52
1	Cr 267.716†	701.4	-7.8	-0.0006 mg/L	-0.0006 mg/L	20:15:42
1	Cu 324.752†	2118.4	128.5	-0.0014 mg/L	-0.0014 mg/L	20:15:42
1	Fe 238.204†	1824.8	767.9	-0.0043 mg/L	-0.0043 mg/L	20:15:42
1	Mg 279.077†	246.2	-105.8	-0.0336 mg/L	-0.0336 mg/L	20:15:42
1	Mn 257.610†	1340.4	643.7	-0.0014 mg/L	-0.0014 mg/L	20:15:42
1	Mo 202.031†	1.3	12.9	0.0009 mg/L	0.0009 mg/L	20:15:52
1	Ni 231.604†	51.6	36.5	-0.0019 mg/L	-0.0019 mg/L	20:15:42
1	P 214.914†	275.6	-17.4	0.0085 mg/L	0.0085 mg/L	20:15:52
1	Pb 220.353†	-60.5	-67.9	-0.0067 mg/L	-0.0067 mg/L	20:15:52
1	Sb 206.836†	34.2	-5.1	-0.0043 mg/L	-0.0043 mg/L	20:15:52
1	Se 196.026†	8.8	9.8	0.0082 mg/L	0.0082 mg/L	20:15:52
1	Sn 189.927†	18.3	19.1	0.0003 mg/L	0.0003 mg/L	20:15:52
1	Ti 337.279†	-956.8	241.1	0.0015 mg/L	0.0015 mg/L	20:15:42
1	Tl 190.801†	7.9	-0.6	-0.0063 mg/L	-0.0063 mg/L	20:15:52
1	V 292.402†	-1034.9	-3.9	0.0020 mg/L	0.0020 mg/L	20:15:42
1	Zn 213.857†	1318.0	92.9	-0.0028 mg/L	-0.0028 mg/L	20:15:52
2	B 249.677†	-1.9	-4.9	-0.0045 mg/L	-0.0045 mg/L	20:15:36

2	Fe 234.349†	6.6	1.7	0.0035	mg/L	0.0035	mg/L	20:15:36
2	K 766.490†	377.6	29.9	0.0672	mg/L	0.0672	mg/L	20:15:26
2	Li 670.784†	-147.3	58.1	0.0045	mg/L	0.0045	mg/L	20:15:26
2	Na 589.592†	136.4	413.9	0.0359	mg/L	0.0359	mg/L	20:15:26
2	Sr 407.771†	92.0	-26.6	0.0000	mg/L	0.0000	mg/L	20:15:26
2	Y 371.029	3502095.4	3502095.4	1.12	mg/L			20:15:54
2	Ag 328.068†	1978.8	-272.0	-0.0020	mg/L	-0.0020	mg/L	20:15:56
2	Al 237.313†	-69.3	85.3	-0.0085	mg/L	-0.0085	mg/L	20:15:56
2	As 188.979†	15.6	6.0	0.0066	mg/L	0.0066	mg/L	20:16:07
2	B 182.528†	-10.2	-2.4	-0.0010	mg/L	-0.0010	mg/L	20:16:07
2	Ba 233.527†	-73.6	0.8	-0.0016	mg/L	-0.0016	mg/L	20:16:07
2	Be 313.107†	-752.6	233.0	0.0002	mg/L	0.0002	mg/L	20:15:56
2	Ca 315.887†	2073.8	316.0	-0.0113	mg/L	-0.0113	mg/L	20:15:56
2	Cd 228.802†	97.0	-6.4	-0.0002	mg/L	-0.0002	mg/L	20:16:07
2	Co 228.616†	-17.0	19.3	-0.0042	mg/L	-0.0042	mg/L	20:16:07
2	Cr 267.716†	795.9	74.8	0.0001	mg/L	0.0001	mg/L	20:15:56
2	Cu 324.752†	2163.8	163.8	-0.0013	mg/L	-0.0013	mg/L	20:15:56
2	Fe 238.204†	2782.2	1618.3	0.0011	mg/L	0.0011	mg/L	20:15:56
2	Mg 279.077†	264.4	-90.2	-0.0327	mg/L	-0.0327	mg/L	20:15:56
2	Mn 257.610†	1471.3	757.1	-0.0013	mg/L	-0.0013	mg/L	20:15:56
2	Mo 202.031†	0.2	11.9	0.0008	mg/L	0.0008	mg/L	20:16:07
2	Ni 231.604†	30.9	17.9	-0.0023	mg/L	-0.0023	mg/L	20:15:56
2	P 214.914†	270.8	-22.4	0.0065	mg/L	0.0065	mg/L	20:16:07
2	Pb 220.353†	12.9	-2.3	-0.0028	mg/L	-0.0028	mg/L	20:16:07
2	Sb 206.836†	41.5	1.4	-0.0007	mg/L	-0.0007	mg/L	20:16:07
2	Se 196.026†	1.7	3.4	0.0042	mg/L	0.0042	mg/L	20:16:07
2	Sn 189.927†	10.6	12.2	-0.0006	mg/L	-0.0006	mg/L	20:16:07
2	Ti 337.279†	-640.8	525.7	0.0018	mg/L	0.0018	mg/L	20:15:56
2	Tl 190.801†	5.1	-3.1	-0.0076	mg/L	-0.0076	mg/L	20:16:07
2	V 292.402†	-903.1	116.4	0.0026	mg/L	0.0026	mg/L	20:15:56
2	Zn 213.857†	1344.7	113.5	-0.0026	mg/L	-0.0026	mg/L	20:16:07

Mean Data: CJ21101-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3497183.1	1.12	mg/L	0.002				0.20%
Ag 328.068†	-243.8	-0.0018	mg/L	0.00025	-0.0018	mg/L	0.00025	13.92%
Al 237.313†	33.0	-0.0136	mg/L	0.00713	-0.0136	mg/L	0.00713	52.61%
As 188.979†	5.0	0.0057	mg/L	0.00117	0.0057	mg/L	0.00117	20.43%
B 182.528†	-2.2	-0.0007	mg/L	0.00045	-0.0007	mg/L	0.00045	62.13%
B 249.677†	-4.2	-0.0038	mg/L	0.00103	-0.0038	mg/L	0.00103	27.12%
Ba 233.527†	2.4	-0.0015	mg/L	0.00002	-0.0015	mg/L	0.00002	1.41%
Be 313.107†	152.9	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	36.70%
Ca 315.887†	77.8	-0.0130	mg/L	0.00240	-0.0130	mg/L	0.00240	18.40%
Cd 228.802†	-4.5	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	38.42%
Co 228.616†	5.8	-0.0044	mg/L	0.00033	-0.0044	mg/L	0.00033	7.55%
Cr 267.716†	33.5	-0.0003	mg/L	0.00047	-0.0003	mg/L	0.00047	174.94%
Cu 324.752†	146.2	-0.0013	mg/L	0.00011	-0.0013	mg/L	0.00011	8.24%
Fe 234.349†	1.1	0.0026	mg/L	0.00134	0.0026	mg/L	0.00134	51.77%
Fe 238.204†	1193.1	-0.0016	mg/L	0.00383	-0.0016	mg/L	0.00383	241.62%
K 766.490†	44.5	0.0780	mg/L	0.01532	0.0780	mg/L	0.01532	19.63%
Li 670.784†	63.4	0.0048	mg/L	0.00044	0.0048	mg/L	0.00044	9.12%
Mg 279.077†	-98.0	-0.0331	mg/L	0.00065	-0.0331	mg/L	0.00065	1.97%
Mn 257.610†	700.4	-0.0013	mg/L	0.00009	-0.0013	mg/L	0.00009	6.92%
Mo 202.031†	12.4	0.0008	mg/L	0.00003	0.0008	mg/L	0.00003	3.38%
Na 589.592†	413.0	0.0357	mg/L	0.00036	0.0357	mg/L	0.00036	1.00%
Ni 231.604†	27.2	-0.0021	mg/L	0.00028	-0.0021	mg/L	0.00028	13.11%
P 214.914†	-19.9	0.0075	mg/L	0.00142	0.0075	mg/L	0.00142	18.87%
Pb 220.353†	-35.1	-0.0047	mg/L	0.00278	-0.0047	mg/L	0.00278	58.75%
Sb 206.836†	-1.9	-0.0025	mg/L	0.00258	-0.0025	mg/L	0.00258	102.54%
Se 196.026†	6.6	0.0062	mg/L	0.00284	0.0062	mg/L	0.00284	45.65%
Sn 189.927†	15.6	-0.0002	mg/L	0.00064	-0.0002	mg/L	0.00064	388.06%
Sr 407.771†	-10.9	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	293.98%
Ti 337.279†	383.4	0.0016	mg/L	0.00024	0.0016	mg/L	0.00024	14.70%
Tl 190.801†	-1.9	-0.0069	mg/L	0.00098	-0.0069	mg/L	0.00098	14.05%
V 292.402†	56.2	0.0023	mg/L	0.00039	0.0023	mg/L	0.00039	16.93%
Zn 213.857†	103.2	-0.0027	mg/L	0.00010	-0.0027	mg/L	0.00010	3.71%

Sequence No.: 52
Sample ID: CJ21101-BS1
Analyst:

Autosampler Location: 49
Date Collected: 10/11/2012 8:17:45 PM
Data Type: Original

Initial Sample Wt:
Dilution:

Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21101-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	506.8	467.2	0.5489	mg/L	0.5489	mg/L	20:19:36
1	Fe 234.349†	1901.7	1760.6	2.767	mg/L	2.767	mg/L	20:19:36
1	K 766.490†	37947.7	34908.8	26.06	mg/L	26.06	mg/L	20:19:26
1	Li 670.784†	9876.2	9354.8	0.5388	mg/L	0.5388	mg/L	20:19:36
1	Na 589.592†	102643.8	95546.9	26.29	mg/L	26.29	mg/L	20:19:26
1	Sr 407.771†	33134.2	30640.2	0.0524	mg/L	0.0524	mg/L	20:19:26
1	Y 371.029	3369876.2	3369876.2	1.08	mg/L			20:19:54
1	Ag 328.068†	48001.5	42507.0	0.2637	mg/L	0.2637	mg/L	20:19:54
1	Al 237.313†	28667.4	26750.9	2.565	mg/L	2.565	mg/L	20:20:04
1	As 188.979†	737.1	676.2	0.5304	mg/L	0.5304	mg/L	20:20:04
1	B 182.528†	492.0	463.2	0.5355	mg/L	0.5355	mg/L	20:20:04
1	Ba 233.527†	64179.1	59625.6	0.5365	mg/L	0.5365	mg/L	20:19:54
1	Be 313.107†	118354.3	110739.4	0.0535	mg/L	0.0535	mg/L	20:19:54
1	Ca 315.887†	782877.2	724984.6	5.147	mg/L	5.147	mg/L	20:19:54
1	Cd 228.802†	10628.0	9769.9	0.2565	mg/L	0.2565	mg/L	20:20:04
1	Co 228.616†	33232.8	30875.0	0.5330	mg/L	0.5330	mg/L	20:20:04
1	Cr 267.716†	71735.2	65935.3	0.5312	mg/L	0.5312	mg/L	20:19:54
1	Cu 324.752†	131979.7	120710.5	0.5321	mg/L	0.5321	mg/L	20:19:54
1	Fe 238.204†	450326.8	417043.2	2.650	mg/L	2.650	mg/L	20:19:54
1	Mg 279.077†	97587.2	90236.0	5.305	mg/L	5.305	mg/L	20:19:54
1	Mn 257.610†	493765.4	457664.3	0.5292	mg/L	0.5292	mg/L	20:19:54
1	Mo 202.031†	14217.7	13206.0	0.5104	mg/L	0.5104	mg/L	20:20:04
1	Ni 231.604†	27608.9	25611.7	0.5397	mg/L	0.5397	mg/L	20:19:54
1	P 214.914†	14257.5	12966.9	5.259	mg/L	5.259	mg/L	20:20:04
1	Pb 220.353†	9485.8	8789.2	0.5214	mg/L	0.5214	mg/L	20:20:04
1	Sb 206.836†	1047.3	936.2	0.5271	mg/L	0.5271	mg/L	20:20:04
1	Se 196.026†	1813.6	1685.0	1.071	mg/L	1.071	mg/L	20:20:04
1	Sn 189.927†	4358.5	4047.4	0.5378	mg/L	0.5378	mg/L	20:20:04
1	Ti 337.279†	473380.7	440401.6	0.5282	mg/L	0.5282	mg/L	20:19:54
1	Tl 190.801†	1049.4	966.2	0.5229	mg/L	0.5229	mg/L	20:20:04
1	V 292.402†	120821.6	113046.9	0.5263	mg/L	0.5263	mg/L	20:19:54
1	Zn 213.857†	86786.6	79451.8	0.5300	mg/L	0.5300	mg/L	20:19:54
2	B 249.677†	509.2	474.6	0.5576	mg/L	0.5576	mg/L	20:19:49
2	Fe 234.349†	1886.9	1766.1	2.776	mg/L	2.776	mg/L	20:19:49
2	K 766.490†	38102.4	35441.4	26.46	mg/L	26.46	mg/L	20:19:39
2	Li 670.784†	9854.6	9435.4	0.5434	mg/L	0.5434	mg/L	20:19:49
2	Na 589.592†	103612.7	97504.1	26.83	mg/L	26.83	mg/L	20:19:39
2	Sr 407.771†	33443.8	31269.0	0.0535	mg/L	0.0535	mg/L	20:19:39
2	Y 371.029	3333199.5	3333199.5	1.07	mg/L			20:20:08
2	Ag 328.068†	47280.5	42320.8	0.2626	mg/L	0.2626	mg/L	20:20:08
2	Al 237.313†	28371.2	26765.8	2.566	mg/L	2.566	mg/L	20:20:18
2	As 188.979†	734.5	681.2	0.5343	mg/L	0.5343	mg/L	20:20:18
2	B 182.528†	478.0	455.2	0.5263	mg/L	0.5263	mg/L	20:20:18
2	Ba 233.527†	62904.9	59085.4	0.5316	mg/L	0.5316	mg/L	20:20:08
2	Be 313.107†	115031.8	108830.8	0.0526	mg/L	0.0526	mg/L	20:20:08
2	Ca 315.887†	764060.8	715324.9	5.078	mg/L	5.078	mg/L	20:20:08
2	Cd 228.802†	10509.0	9766.8	0.2564	mg/L	0.2564	mg/L	20:20:18
2	Co 228.616†	32900.5	30902.5	0.5335	mg/L	0.5335	mg/L	20:20:18
2	Cr 267.716†	70356.1	65373.9	0.5267	mg/L	0.5267	mg/L	20:20:08
2	Cu 324.752†	129531.1	119760.9	0.5279	mg/L	0.5279	mg/L	20:20:08
2	Fe 238.204†	441075.6	412961.9	2.624	mg/L	2.624	mg/L	20:20:08
2	Mg 279.077†	95254.8	89044.1	5.234	mg/L	5.234	mg/L	20:20:08
2	Mn 257.610†	483294.0	452881.8	0.5237	mg/L	0.5237	mg/L	20:20:08
2	Mo 202.031†	14148.0	13285.7	0.5134	mg/L	0.5134	mg/L	20:20:18
2	Ni 231.604†	27044.0	25363.6	0.5345	mg/L	0.5345	mg/L	20:20:08
2	P 214.914†	14076.2	12942.4	5.250	mg/L	5.250	mg/L	20:20:18
2	Pb 220.353†	9419.0	8823.4	0.5235	mg/L	0.5235	mg/L	20:20:18
2	Sb 206.836†	1057.9	956.9	0.5388	mg/L	0.5388	mg/L	20:20:18
2	Se 196.026†	1798.4	1689.2	1.074	mg/L	1.074	mg/L	20:20:18
2	Sn 189.927†	4280.8	4019.0	0.5341	mg/L	0.5341	mg/L	20:20:18
2	Ti 337.279†	463962.1	436398.6	0.5234	mg/L	0.5234	mg/L	20:20:08
2	Tl 190.801†	1039.5	967.5	0.5236	mg/L	0.5236	mg/L	20:20:18
2	V 292.402†	118300.5	111915.4	0.5211	mg/L	0.5211	mg/L	20:20:08
2	Zn 213.857†	84741.8	78419.5	0.5231	mg/L	0.5231	mg/L	20:20:08

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3351537.9	1.07	mg/L	0.008				0.77%
Ag 328.068†	42413.9	0.2631	mg/L	0.00082	0.2631	mg/L	0.00082	0.31%
Al 237.313†	26758.3	2.565	mg/L	0.0010	2.565	mg/L	0.0010	0.04%
As 188.979†	678.7	0.5324	mg/L	0.00279	0.5324	mg/L	0.00279	0.52%
B 182.528†	459.2	0.5309	mg/L	0.00655	0.5309	mg/L	0.00655	1.23%
B 249.677†	470.9	0.5533	mg/L	0.00615	0.5533	mg/L	0.00615	1.11%
Ba 233.527†	59355.5	0.5341	mg/L	0.00345	0.5341	mg/L	0.00345	0.65%
Be 313.107†	109785.1	0.0530	mg/L	0.00065	0.0530	mg/L	0.00065	1.23%
Ca 315.887†	720154.7	5.112	mg/L	0.0486	5.112	mg/L	0.0486	0.95%
Cd 228.802†	9768.3	0.2565	mg/L	0.00007	0.2565	mg/L	0.00007	0.03%
Co 228.616†	30888.7	0.5332	mg/L	0.00035	0.5332	mg/L	0.00035	0.07%
Cr 267.716†	65654.6	0.5290	mg/L	0.00319	0.5290	mg/L	0.00319	0.60%
Cu 324.752†	120235.7	0.5300	mg/L	0.00297	0.5300	mg/L	0.00297	0.56%
Fe 234.349†	1763.3	2.772	mg/L	0.0063	2.772	mg/L	0.0063	0.23%
Fe 238.204†	415002.5	2.637	mg/L	0.0184	2.637	mg/L	0.0184	0.70%
K 766.490†	35175.1	26.26	mg/L	0.281	26.26	mg/L	0.281	1.07%
Li 670.784†	9395.1	0.5411	mg/L	0.00328	0.5411	mg/L	0.00328	0.61%
Mg 279.077†	89640.1	5.269	mg/L	0.0498	5.269	mg/L	0.0498	0.94%
Mn 257.610†	455273.0	0.5264	mg/L	0.00393	0.5264	mg/L	0.00393	0.75%
Mo 202.031†	13245.9	0.5119	mg/L	0.00218	0.5119	mg/L	0.00218	0.43%
Na 589.592†	96525.5	26.56	mg/L	0.382	26.56	mg/L	0.382	1.44%
Ni 231.604†	25487.7	0.5371	mg/L	0.00371	0.5371	mg/L	0.00371	0.69%
P 214.914†	12954.7	5.254	mg/L	0.0070	5.254	mg/L	0.0070	0.13%
Pb 220.353†	8806.3	0.5224	mg/L	0.00145	0.5224	mg/L	0.00145	0.28%
Sb 206.836†	946.5	0.5330	mg/L	0.00827	0.5330	mg/L	0.00827	1.55%
Se 196.026†	1687.1	1.072	mg/L	0.0019	1.072	mg/L	0.0019	0.18%
Sn 189.927†	4033.2	0.5359	mg/L	0.00262	0.5359	mg/L	0.00262	0.49%
Sr 407.771†	30954.6	0.0529	mg/L	0.00076	0.0529	mg/L	0.00076	1.44%
Ti 337.279†	438400.1	0.5258	mg/L	0.00339	0.5258	mg/L	0.00339	0.64%
Tl 190.801†	966.9	0.5233	mg/L	0.00053	0.5233	mg/L	0.00053	0.10%
V 292.402†	112481.1	0.5237	mg/L	0.00367	0.5237	mg/L	0.00367	0.70%
Zn 213.857†	78935.7	0.5266	mg/L	0.00491	0.5266	mg/L	0.00491	0.93%

Sequence No.: 53

Sample ID: CJ21101-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 50

Date Collected: 10/11/2012 8:21:57 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21101-BSD1

Repl#	Analyte	Net		Calib. Conc. Units	Sample		Analysis Time	
		Intensity	Corrected Intensity		Conc.	Units		
1	B 249.677†	505.6	469.3	0.5513	mg/L	0.5513	mg/L	20:23:48
1	Fe 234.349†	1884.0	1756.0	2.760	mg/L	2.760	mg/L	20:23:48
1	K 766.490†	37831.4	35037.3	26.16	mg/L	26.16	mg/L	20:23:38
1	Li 670.784†	9781.9	9328.5	0.5373	mg/L	0.5373	mg/L	20:23:48
1	Na 589.592†	102447.9	96005.6	26.42	mg/L	26.42	mg/L	20:23:38
1	Sr 407.771†	33066.3	30783.8	0.0527	mg/L	0.0527	mg/L	20:23:38
1	Y 371.029	3347328.1	3347328.1	1.07	mg/L			20:24:06
1	Ag 328.068†	46934.8	41810.5	0.2594	mg/L	0.2594	mg/L	20:24:06
1	Al 237.313†	28386.7	26668.0	2.557	mg/L	2.557	mg/L	20:24:16
1	As 188.979†	714.6	659.7	0.5176	mg/L	0.5176	mg/L	20:24:16
1	B 182.528†	485.6	460.4	0.5322	mg/L	0.5322	mg/L	20:24:16
1	Ba 233.527†	62249.1	58223.7	0.5239	mg/L	0.5239	mg/L	20:24:06
1	Be 313.107†	114374.1	107760.8	0.0520	mg/L	0.0520	mg/L	20:24:06
1	Ca 315.887†	761915.9	710295.2	5.042	mg/L	5.042	mg/L	20:24:06
1	Cd 228.802†	10551.0	9764.4	0.2565	mg/L	0.2565	mg/L	20:24:16
1	Co 228.616†	32817.6	30694.7	0.5299	mg/L	0.5299	mg/L	20:24:16
1	Cr 267.716†	70197.2	64946.8	0.5233	mg/L	0.5233	mg/L	20:24:06
1	Cu 324.752†	128697.5	118469.1	0.5222	mg/L	0.5222	mg/L	20:24:06
1	Fe 238.204†	438088.6	408424.6	2.595	mg/L	2.595	mg/L	20:24:06
1	Mg 279.077†	94533.4	87992.9	5.172	mg/L	5.172	mg/L	20:24:06
1	Mn 257.610†	482624.5	450342.4	0.5207	mg/L	0.5207	mg/L	20:24:06
1	Mo 202.031†	14175.3	13255.2	0.5123	mg/L	0.5123	mg/L	20:24:16
1	Ni 231.604†	26869.4	25093.4	0.5288	mg/L	0.5288	mg/L	20:24:06
1	P 214.914†	14008.4	12823.3	5.201	mg/L	5.201	mg/L	20:24:16
1	Pb 220.353†	9449.8	8814.8	0.5230	mg/L	0.5230	mg/L	20:24:16
1	Sb 206.836†	1026.2	923.0	0.5197	mg/L	0.5197	mg/L	20:24:16

1	Se 196.026†	1780.3	1665.2	1.058 mg/L	1.058 mg/L	20:24:16
1	Sn 189.927†	4319.2	4038.0	0.5365 mg/L	0.5365 mg/L	20:24:16
1	Ti 337.279†	465840.2	436316.0	0.5233 mg/L	0.5233 mg/L	20:24:06
1	Tl 190.801†	1038.5	962.5	0.5209 mg/L	0.5209 mg/L	20:24:16
1	V 292.402†	118557.7	111687.1	0.5200 mg/L	0.5200 mg/L	20:24:06
1	Zn 213.857†	84639.3	77988.2	0.5202 mg/L	0.5202 mg/L	20:24:06
2	B 249.677†	500.7	469.5	0.5516 mg/L	0.5516 mg/L	20:24:00
2	Fe 234.349†	1882.9	1773.0	2.787 mg/L	2.787 mg/L	20:24:00
2	K 766.490†	38222.7	35771.5	26.70 mg/L	26.70 mg/L	20:23:50
2	Li 670.784†	9737.9	9381.3	0.5403 mg/L	0.5403 mg/L	20:24:00
2	Na 589.592†	103523.9	98009.2	26.97 mg/L	26.97 mg/L	20:23:50
2	Sr 407.771†	33371.6	31390.9	0.0537 mg/L	0.0537 mg/L	20:23:50
2	Y 371.029	3313130.1	3313130.1	1.06 mg/L		20:24:20
2	Ag 328.068†	46806.8	42142.3	0.2615 mg/L	0.2615 mg/L	20:24:20
2	Al 237.313†	28197.9	26763.5	2.566 mg/L	2.566 mg/L	20:24:30
2	As 188.979†	708.0	660.4	0.5181 mg/L	0.5181 mg/L	20:24:30
2	B 182.528†	481.7	461.4	0.5334 mg/L	0.5334 mg/L	20:24:30
2	Ba 233.527†	62231.7	58807.6	0.5291 mg/L	0.5291 mg/L	20:24:20
2	Be 313.107†	114206.9	108705.9	0.0525 mg/L	0.0525 mg/L	20:24:20
2	Ca 315.887†	758789.7	714691.9	5.073 mg/L	5.073 mg/L	20:24:20
2	Cd 228.802†	10522.9	9839.6	0.2584 mg/L	0.2584 mg/L	20:24:30
2	Co 228.616†	32695.5	30896.0	0.5334 mg/L	0.5334 mg/L	20:24:30
2	Cr 267.716†	70001.0	65438.5	0.5272 mg/L	0.5272 mg/L	20:24:20
2	Cu 324.752†	128338.2	119371.1	0.5262 mg/L	0.5262 mg/L	20:24:20
2	Fe 238.204†	436535.3	411183.1	2.613 mg/L	2.613 mg/L	20:24:20
2	Mg 279.077†	94179.8	88570.8	5.206 mg/L	5.206 mg/L	20:24:20
2	Mn 257.610†	480739.8	453217.6	0.5241 mg/L	0.5241 mg/L	20:24:20
2	Mo 202.031†	14146.0	13364.3	0.5165 mg/L	0.5165 mg/L	20:24:30
2	Ni 231.604†	26768.2	25257.0	0.5323 mg/L	0.5323 mg/L	20:24:20
2	P 214.914†	13901.1	12857.2	5.215 mg/L	5.215 mg/L	20:24:30
2	Pb 220.353†	9428.4	8885.8	0.5272 mg/L	0.5272 mg/L	20:24:30
2	Sb 206.836†	1020.4	927.5	0.5222 mg/L	0.5222 mg/L	20:24:30
2	Se 196.026†	1755.6	1659.1	1.054 mg/L	1.054 mg/L	20:24:30
2	Sn 189.927†	4284.5	4046.8	0.5377 mg/L	0.5377 mg/L	20:24:30
2	Ti 337.279†	464963.2	439980.4	0.5277 mg/L	0.5277 mg/L	20:24:20
2	Tl 190.801†	1038.5	972.6	0.5264 mg/L	0.5264 mg/L	20:24:30
2	V 292.402†	118025.6	112328.2	0.5230 mg/L	0.5230 mg/L	20:24:20
2	Zn 213.857†	84317.6	78500.8	0.5236 mg/L	0.5236 mg/L	20:24:20

Mean Data: CJ21101-BSD1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3330229.1	1.06	mg/L	0.008				0.73%
Ag 328.068†	41976.4	0.2604	mg/L	0.00146	0.2604	mg/L	0.00146	0.56%
Al 237.313†	26715.7	2.561	mg/L	0.0065	2.561	mg/L	0.0065	0.26%
As 188.979†	660.1	0.5178	mg/L	0.00036	0.5178	mg/L	0.00036	0.07%
B 182.528†	460.9	0.5328	mg/L	0.00080	0.5328	mg/L	0.00080	0.15%
B 249.677†	469.4	0.5515	mg/L	0.00018	0.5515	mg/L	0.00018	0.03%
Ba 233.527†	58515.6	0.5265	mg/L	0.00373	0.5265	mg/L	0.00373	0.71%
Be 313.107†	108233.3	0.0523	mg/L	0.00032	0.0523	mg/L	0.00032	0.62%
Ca 315.887†	712493.6	5.058	mg/L	0.0221	5.058	mg/L	0.0221	0.44%
Cd 228.802†	9802.0	0.2574	mg/L	0.00141	0.2574	mg/L	0.00141	0.55%
Co 228.616†	30795.4	0.5316	mg/L	0.00248	0.5316	mg/L	0.00248	0.47%
Cr 267.716†	65192.7	0.5253	mg/L	0.00280	0.5253	mg/L	0.00280	0.53%
Cu 324.752†	118920.1	0.5242	mg/L	0.00282	0.5242	mg/L	0.00282	0.54%
Fe 234.349†	1764.5	2.774	mg/L	0.0190	2.774	mg/L	0.0190	0.69%
Fe 238.204†	409803.8	2.604	mg/L	0.0124	2.604	mg/L	0.0124	0.48%
K 766.490†	35404.4	26.43	mg/L	0.387	26.43	mg/L	0.387	1.46%
Li 670.784†	9354.9	0.5388	mg/L	0.00215	0.5388	mg/L	0.00215	0.40%
Mg 279.077†	88281.9	5.189	mg/L	0.0241	5.189	mg/L	0.0241	0.47%
Mn 257.610†	451780.0	0.5224	mg/L	0.00236	0.5224	mg/L	0.00236	0.45%
Mo 202.031†	13309.8	0.5144	mg/L	0.00298	0.5144	mg/L	0.00298	0.58%
Na 589.592†	97007.4	26.69	mg/L	0.391	26.69	mg/L	0.391	1.46%
Ni 231.604†	25175.2	0.5305	mg/L	0.00245	0.5305	mg/L	0.00245	0.46%
P 214.914†	12840.2	5.208	mg/L	0.0097	5.208	mg/L	0.0097	0.19%
Pb 220.353†	8850.3	0.5251	mg/L	0.00300	0.5251	mg/L	0.00300	0.57%
Sb 206.836†	925.2	0.5209	mg/L	0.00177	0.5209	mg/L	0.00177	0.34%
Se 196.026†	1662.1	1.056	mg/L	0.0027	1.056	mg/L	0.0027	0.26%
Sn 189.927†	4042.4	0.5371	mg/L	0.00088	0.5371	mg/L	0.00088	0.16%
Sr 407.771†	31087.4	0.0532	mg/L	0.00073	0.0532	mg/L	0.00073	1.38%
Ti 337.279†	438148.2	0.5255	mg/L	0.00310	0.5255	mg/L	0.00310	0.59%
Tl 190.801†	967.6	0.5237	mg/L	0.00390	0.5237	mg/L	0.00390	0.74%

V 292.402†	112007.7	0.5215 mg/L	0.00211	0.5215 mg/L	0.00211	0.40%
Zn 213.857†	78244.5	0.5219 mg/L	0.00243	0.5219 mg/L	0.00243	0.47%

Sequence No.: 54	Autosampler Location: 51
Sample ID: 1210228-01	Date Collected: 10/11/2012 8:26:09 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: 1210228-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	22.8	18.4	0.0228 mg/L	0.0228 mg/L	0.0228 mg/L	20:28:09
1	Fe 234.349†	75.8	67.3	0.0812 mg/L	0.0812 mg/L	0.0812 mg/L	20:28:09
1	K 766.490†	588.8	247.7	0.2295 mg/L	0.2295 mg/L	0.2295 mg/L	20:27:59
1	Li 670.784†	-258.2	-53.8	-0.0020 mg/L	-0.0020 mg/L	-0.0020 mg/L	20:27:59
1	Na 589.592†	5964.6	5914.0	1.554 mg/L	1.554 mg/L	1.554 mg/L	20:27:59
1	Sr 407.771†	5584.7	5155.0	0.0088 mg/L	0.0088 mg/L	0.0088 mg/L	20:27:59
1	Y 371.029	3317911.5	3317911.5	1.06 mg/L	1.06 mg/L	1.06 mg/L	20:28:34
1	Ag 328.068†	2110.4	-49.8	-0.0006 mg/L	-0.0006 mg/L	-0.0006 mg/L	20:28:36
1	Al 237.313†	-25.9	122.8	-0.0049 mg/L	-0.0049 mg/L	-0.0049 mg/L	20:28:46
1	As 188.979†	-4.5	-12.1	-0.0076 mg/L	-0.0076 mg/L	-0.0076 mg/L	20:28:46
1	B 182.528†	-9.5	-2.3	-0.0008 mg/L	-0.0008 mg/L	-0.0008 mg/L	20:28:46
1	Ba 233.527†	2395.6	2324.5	0.0194 mg/L	0.0194 mg/L	0.0194 mg/L	20:28:46
1	Be 313.107†	-774.2	175.4	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	20:28:36
1	Ca 315.887†	4287362.3	4039508.4	28.72 mg/L	28.72 mg/L	28.72 mg/L	20:28:34
1	Cd 228.802†	107.9	8.7	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	20:28:46
1	Co 228.616†	40.2	72.3	-0.0032 mg/L	-0.0032 mg/L	-0.0032 mg/L	20:28:46
1	Cr 267.716†	939.2	249.3	0.0015 mg/L	0.0015 mg/L	0.0015 mg/L	20:28:36
1	Cu 324.752†	2348.1	444.7	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	20:28:36
1	Fe 238.204†	8074.6	6744.6	0.0338 mg/L	0.0338 mg/L	0.0338 mg/L	20:28:46
1	Mg 279.077†	67392.1	63194.0	3.706 mg/L	3.706 mg/L	3.706 mg/L	20:28:36
1	Mn 257.610†	34936.1	32372.3	0.0354 mg/L	0.0354 mg/L	0.0354 mg/L	20:28:36
1	Mo 202.031†	144.8	148.2	0.0061 mg/L	0.0061 mg/L	0.0061 mg/L	20:28:46
1	Ni 231.604†	177.6	157.7	0.0006 mg/L	0.0006 mg/L	0.0006 mg/L	20:28:46
1	P 214.914†	347.5	63.3	0.0414 mg/L	0.0414 mg/L	0.0414 mg/L	20:28:46
1	Pb 220.353†	-40.6	-52.0	-0.0058 mg/L	-0.0058 mg/L	-0.0058 mg/L	20:28:46
1	Sb 206.836†	53.8	15.0	0.0070 mg/L	0.0070 mg/L	0.0070 mg/L	20:28:46
1	Se 196.026†	2.4	4.2	0.0047 mg/L	0.0047 mg/L	0.0047 mg/L	20:28:46
1	Sn 189.927†	-276.5	-257.9	-0.0358 mg/L	-0.0358 mg/L	-0.0358 mg/L	20:28:46
1	Ti 337.279†	-186.7	921.9	0.0023 mg/L	0.0023 mg/L	0.0023 mg/L	20:28:36
1	Tl 190.801†	19.1	10.3	-0.0003 mg/L	-0.0003 mg/L	-0.0003 mg/L	20:28:46
1	V 292.402†	-916.1	59.4	0.0024 mg/L	0.0024 mg/L	0.0024 mg/L	20:28:36
1	Zn 213.857†	8084.2	6532.4	0.0408 mg/L	0.0408 mg/L	0.0408 mg/L	20:28:46
2	B 249.677†	24.1	19.6	0.0243 mg/L	0.0243 mg/L	0.0243 mg/L	20:28:30
2	Fe 234.349†	64.1	56.3	0.0641 mg/L	0.0641 mg/L	0.0641 mg/L	20:28:30
2	K 766.490†	8097.9	7346.0	5.520 mg/L	5.520 mg/L	5.520 mg/L	20:28:20
2	Li 670.784†	-141.7	55.7	0.0043 mg/L	0.0043 mg/L	0.0043 mg/L	20:28:20
2	Na 589.592†	40060.9	38153.2	10.45 mg/L	10.45 mg/L	10.45 mg/L	20:28:20
Saturated within auto integration window (code 4)							
2	Sr 407.771†	43536.5	41037.1	0.0702 mg/L	0.0702 mg/L	0.0702 mg/L	20:28:20
Saturated within auto integration window (code 4)							
2	Y 371.029	3308987.8	3308987.8	1.06 mg/L	1.06 mg/L	1.06 mg/L	20:28:49
2	Ag 328.068†	1880.5	-261.7	-0.0019 mg/L	-0.0019 mg/L	-0.0019 mg/L	20:28:51
2	Al 237.313†	-99.6	53.1	-0.0116 mg/L	-0.0116 mg/L	-0.0116 mg/L	20:29:01
2	As 188.979†	-2.7	-10.4	-0.0063 mg/L	-0.0063 mg/L	-0.0063 mg/L	20:29:01
2	B 182.528†	-11.4	-4.1	-0.0029 mg/L	-0.0029 mg/L	-0.0029 mg/L	20:29:01
2	Ba 233.527†	2367.0	2303.6	0.0192 mg/L	0.0192 mg/L	0.0192 mg/L	20:29:01
2	Be 313.107†	-863.2	89.3	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	20:28:51
2	Ca 315.887†	4266848.1	4031018.5	28.66 mg/L	28.66 mg/L	28.66 mg/L	20:28:49
2	Cd 228.802†	103.5	4.8	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	20:29:01
2	Co 228.616†	18.8	52.2	-0.0036 mg/L	-0.0036 mg/L	-0.0036 mg/L	20:29:01
2	Cr 267.716†	949.2	261.1	0.0016 mg/L	0.0016 mg/L	0.0016 mg/L	20:28:51
2	Cu 324.752†	2309.4	414.2	-0.0002 mg/L	-0.0002 mg/L	-0.0002 mg/L	20:28:51
2	Fe 238.204†	7248.0	5983.8	0.0290 mg/L	0.0290 mg/L	0.0290 mg/L	20:29:01
2	Mg 279.077†	68155.6	64086.8	3.758 mg/L	3.758 mg/L	3.758 mg/L	20:28:51
2	Mn 257.610†	35360.9	32862.6	0.0360 mg/L	0.0360 mg/L	0.0360 mg/L	20:28:51
2	Mo 202.031†	153.8	157.2	0.0064 mg/L	0.0064 mg/L	0.0064 mg/L	20:29:01
2	Ni 231.604†	156.5	138.2	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	20:29:01
2	P 214.914†	312.0	30.7	0.0281 mg/L	0.0281 mg/L	0.0281 mg/L	20:29:01
2	Pb 220.353†	14.3	-0.3	-0.0027 mg/L	-0.0027 mg/L	-0.0027 mg/L	20:29:01

2	Sb 206.836†	47.1	8.8	0.0035 mg/L	0.0035 mg/L	20:29:01
2	Se 196.026†	-4.7	-2.5	0.0005 mg/L	0.0005 mg/L	20:29:01
2	Sn 189.927†	-302.5	-283.2	-0.0392 mg/L	-0.0392 mg/L	20:29:01
2	Ti 337.279†	-677.6	457.5	0.0017 mg/L	0.0017 mg/L	20:28:51
2	Tl 190.801†	16.9	8.3	-0.0014 mg/L	-0.0014 mg/L	20:29:01
2	V 292.402†	-1072.9	-91.1	0.0017 mg/L	0.0017 mg/L	20:28:51
2	Zn 213.857†	8058.3	6528.6	0.0407 mg/L	0.0407 mg/L	20:29:01

Mean Data: 1210228-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3313449.7	1.06 mg/L		0.002			0.19%
Ag 328.068†	-155.8	-0.0012 mg/L		0.00093	-0.0012 mg/L	0.00093	76.04%
Al 237.313†	87.9	-0.0082 mg/L		0.00475	-0.0082 mg/L	0.00475	57.55%
As 188.979†	-11.3	-0.0069 mg/L		0.00093	-0.0069 mg/L	0.00093	13.44%
B 182.528†	-3.2	-0.0019 mg/L		0.00146	-0.0019 mg/L	0.00146	77.80%
B 249.677†	19.0	0.0235 mg/L		0.00104	0.0235 mg/L	0.00104	4.41%
Ba 233.527†	2314.0	0.0193 mg/L		0.00013	0.0193 mg/L	0.00013	0.69%
Be 313.107†	132.3	0.0001 mg/L		0.00003	0.0001 mg/L	0.00003	21.07%
Ca 315.887†	4035263.5	28.69 mg/L		0.043	28.69 mg/L	0.043	0.15%
Cd 228.802†	6.7	0.0002 mg/L		0.00008	0.0002 mg/L	0.00008	47.16%
Co 228.616†	62.3	-0.0034 mg/L		0.00025	-0.0034 mg/L	0.00025	7.22%
Cr 267.716†	255.2	0.0015 mg/L		0.00007	0.0015 mg/L	0.00007	4.45%
Cu 324.752†	429.4	-0.0001 mg/L		0.00010	-0.0001 mg/L	0.00010	111.70%
Fe 234.349†	61.8	0.0727 mg/L		0.01216	0.0727 mg/L	0.01216	16.74%
Fe 238.204†	6364.2	0.0314 mg/L		0.00343	0.0314 mg/L	0.00343	10.93%
K 766.490†	3796.9	2.875 mg/L		3.7407	2.875 mg/L	3.7407	130.13%
Li 670.784†	1.0	0.0012 mg/L		0.00445	0.0012 mg/L	0.00445	375.61%
Mg 279.077†	63640.4	3.732 mg/L		0.0373	3.732 mg/L	0.0373	1.00%
Mn 257.610†	32617.5	0.0357 mg/L		0.00040	0.0357 mg/L	0.00040	1.13%
Mo 202.031†	152.7	0.0062 mg/L		0.00025	0.0062 mg/L	0.00025	3.98%
Na 589.592†	22033.6	6.002 mg/L		6.2910	6.002 mg/L	6.2910	104.81%
Saturated within auto integration window (code 4)							
Ni 231.604†	147.9	0.0004 mg/L		0.00029	0.0004 mg/L	0.00029	67.12%
P 214.914†	47.0	0.0348 mg/L		0.00937	0.0348 mg/L	0.00937	26.94%
Pb 220.353†	-26.2	-0.0042 mg/L		0.00219	-0.0042 mg/L	0.00219	51.61%
Sb 206.836†	11.9	0.0052 mg/L		0.00250	0.0052 mg/L	0.00250	47.65%
Se 196.026†	0.9	0.0026 mg/L		0.00300	0.0026 mg/L	0.00300	114.16%
Sn 189.927†	-270.6	-0.0375 mg/L		0.00238	-0.0375 mg/L	0.00238	6.35%
Sr 407.771†	23096.1	0.0395 mg/L		0.04339	0.0395 mg/L	0.04339	109.84%
Saturated within auto integration window (code 4)							
Ti 337.279†	689.7	0.0020 mg/L		0.00039	0.0020 mg/L	0.00039	19.60%
Tl 190.801†	9.3	-0.0008 mg/L		0.00080	-0.0008 mg/L	0.00080	97.58%
V 292.402†	-15.9	0.0020 mg/L		0.00048	0.0020 mg/L	0.00048	23.95%
Zn 213.857†	6530.5	0.0408 mg/L		0.00002	0.0408 mg/L	0.00002	0.04%

Sequence No.: 55

Sample ID: CJ21101-DUP1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 52

Date Collected: 10/11/2012 8:30:41 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21101-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	18.2	14.2	0.0179 mg/L		0.0179 mg/L	20:32:34
1	Fe 234.349†	45.6	39.1	0.0359 mg/L		0.0359 mg/L	20:32:34
1	K 766.490†	8581.7	7835.6	5.885 mg/L		5.885 mg/L	20:32:24
1	Li 670.784†	-124.5	71.5	0.0052 mg/L		0.0052 mg/L	20:32:24
1	Na 589.592†	207064.7	196769.0	54.22 mg/L		54.22 mg/L	20:32:24
1	Sr 407.771†	195363.8	185265.5	0.3169 mg/L		0.3169 mg/L	20:32:24
1	Y 371.029	3295814.1	3295814.1	1.05 mg/L			20:32:50
1	Ag 328.068†	1890.1	-245.6	-0.0018 mg/L		-0.0018 mg/L	20:32:52
1	Al 237.313†	-115.9	37.3	-0.0131 mg/L		-0.0131 mg/L	20:33:03
1	As 188.979†	-4.0	-11.6	-0.0072 mg/L		-0.0072 mg/L	20:33:03
1	B 182.528†	-7.1	-0.1	0.0016 mg/L		0.0016 mg/L	20:33:03
1	Ba 233.527†	2403.6	2347.2	0.0196 mg/L		0.0196 mg/L	20:33:03
1	Be 313.107†	-897.7	53.2	0.0001 mg/L		0.0001 mg/L	20:32:52
1	Ca 315.887†	4408672.5	4181709.5	29.73 mg/L		29.73 mg/L	20:32:50
1	Cd 228.802†	101.6	3.4	0.0001 mg/L		0.0001 mg/L	20:33:03

1	Co	228.616†	14.5	48.2	-0.0037	mg/L	-0.0037	mg/L	20:33:03
1	Cr	267.716†	698.3	26.6	-0.0003	mg/L	-0.0003	mg/L	20:32:52
1	Cu	324.752†	2007.4	136.3	-0.0014	mg/L	-0.0014	mg/L	20:32:52
1	Fe	238.204†	4736.5	3628.2	0.0139	mg/L	0.0139	mg/L	20:33:03
1	Mg	279.077†	69191.5	65327.3	3.832	mg/L	3.832	mg/L	20:32:52
1	Mn	257.610†	24328.8	22528.2	0.0240	mg/L	0.0240	mg/L	20:32:52
1	Mo	202.031†	143.8	148.2	0.0061	mg/L	0.0061	mg/L	20:33:03
1	Ni	231.604†	107.5	92.3	-0.0007	mg/L	-0.0007	mg/L	20:33:03
1	P	214.914†	309.9	29.8	0.0278	mg/L	0.0278	mg/L	20:33:03
1	Pb	220.353†	-64.2	-74.7	-0.0071	mg/L	-0.0071	mg/L	20:33:03
1	Sb	206.836†	48.7	10.5	0.0045	mg/L	0.0045	mg/L	20:33:03
1	Se	196.026†	-10.6	-8.1	-0.0031	mg/L	-0.0031	mg/L	20:33:03
1	Sn	189.927†	-308.4	-289.9	-0.0401	mg/L	-0.0401	mg/L	20:33:03
1	Ti	337.279†	-788.5	349.7	0.0016	mg/L	0.0016	mg/L	20:32:52
1	Tl	190.801†	14.6	6.2	-0.0025	mg/L	-0.0025	mg/L	20:33:03
1	V	292.402†	-1082.8	-104.6	0.0016	mg/L	0.0016	mg/L	20:32:52
1	Zn	213.857†	8377.6	6861.9	0.0430	mg/L	0.0430	mg/L	20:33:03
2	B	249.677†	24.6	19.8	0.0245	mg/L	0.0245	mg/L	20:32:46
2	Fe	234.349†	47.1	39.7	0.0370	mg/L	0.0370	mg/L	20:32:46
2	K	766.490†	8564.2	7665.5	5.758	mg/L	5.758	mg/L	20:32:36
2	Li	670.784†	-168.5	32.7	0.0030	mg/L	0.0030	mg/L	20:32:36
2	Na	589.592†	207412.5	193380.8	53.29	mg/L	53.29	mg/L	20:32:36
2	Sr	407.771†	196107.7	182455.9	0.3121	mg/L	0.3121	mg/L	20:32:36
2	Y	371.029	3359280.1	3359280.1	1.07	mg/L			20:33:05
2	Ag	328.068†	1845.1	-321.4	-0.0023	mg/L	-0.0023	mg/L	20:33:08
2	Al	237.313†	-171.8	-12.8	-0.0180	mg/L	-0.0180	mg/L	20:33:18
2	As	188.979†	4.0	-4.1	-0.0013	mg/L	-0.0013	mg/L	20:33:18
2	B	182.528†	-11.4	-4.0	-0.0028	mg/L	-0.0028	mg/L	20:33:18
2	Ba	233.527†	2437.6	2335.8	0.0195	mg/L	0.0195	mg/L	20:33:18
2	Be	313.107†	-893.8	73.0	0.0001	mg/L	0.0001	mg/L	20:33:08
2	Ca	315.887†	4465085.1	4155193.5	29.55	mg/L	29.55	mg/L	20:33:05
2	Cd	228.802†	111.0	10.4	0.0002	mg/L	0.0002	mg/L	20:33:18
2	Co	228.616†	8.9	42.7	-0.0038	mg/L	-0.0038	mg/L	20:33:18
2	Cr	267.716†	680.4	-2.5	-0.0006	mg/L	-0.0006	mg/L	20:33:08
2	Cu	324.752†	2009.0	101.8	-0.0015	mg/L	-0.0015	mg/L	20:33:08
2	Fe	238.204†	4930.0	3723.4	0.0145	mg/L	0.0145	mg/L	20:33:18
2	Mg	279.077†	68567.8	63506.3	3.724	mg/L	3.724	mg/L	20:33:08
2	Mn	257.610†	24095.1	21874.4	0.0232	mg/L	0.0232	mg/L	20:33:08
2	Mo	202.031†	136.0	138.3	0.0057	mg/L	0.0057	mg/L	20:33:18
2	Ni	231.604†	92.0	75.9	-0.0011	mg/L	-0.0011	mg/L	20:33:18
2	P	214.914†	298.4	13.6	0.0212	mg/L	0.0212	mg/L	20:33:18
2	Pb	220.353†	-42.6	-53.5	-0.0059	mg/L	-0.0059	mg/L	20:33:18
2	Sb	206.836†	49.0	9.9	0.0041	mg/L	0.0041	mg/L	20:33:18
2	Se	196.026†	-9.0	-6.4	-0.0020	mg/L	-0.0020	mg/L	20:33:18
2	Sn	189.927†	-315.8	-291.3	-0.0403	mg/L	-0.0403	mg/L	20:33:18
2	Ti	337.279†	-874.2	284.1	0.0015	mg/L	0.0015	mg/L	20:33:08
2	Tl	190.801†	19.3	10.2	-0.0003	mg/L	-0.0003	mg/L	20:33:18
2	V	292.402†	-982.7	8.0	0.0021	mg/L	0.0021	mg/L	20:33:08
2	Zn	213.857†	8341.4	6678.0	0.0418	mg/L	0.0418	mg/L	20:33:18

Mean Data: CJ21101-DUP1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3327547.1	1.06	mg/L	0.014				1.35%
Ag 328.068†	-283.5	-0.0020	mg/L	0.00033	-0.0020	mg/L	0.00033	16.46%
Al 237.313†	12.3	-0.0155	mg/L	0.00341	-0.0155	mg/L	0.00341	21.92%
As 188.979†	-7.9	-0.0043	mg/L	0.00417	-0.0043	mg/L	0.00417	97.13%
B 182.528†	-2.0	-0.0006	mg/L	0.00315	-0.0006	mg/L	0.00315	540.03%
B 249.677†	17.0	0.0212	mg/L	0.00467	0.0212	mg/L	0.00467	22.07%
Ba 233.527†	2341.5	0.0196	mg/L	0.00007	0.0196	mg/L	0.00007	0.37%
Be 313.107†	63.1	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	6.36%
Ca 315.887†	4168451.5	29.64	mg/L	0.133	29.64	mg/L	0.133	0.45%
Cd 228.802†	6.9	0.0002	mg/L	0.00011	0.0002	mg/L	0.00011	73.24%
Co 228.616†	45.5	-0.0037	mg/L	0.00007	-0.0037	mg/L	0.00007	1.81%
Cr 267.716†	12.1	-0.0004	mg/L	0.00017	-0.0004	mg/L	0.00017	38.21%
Cu 324.752†	119.0	-0.0015	mg/L	0.00011	-0.0015	mg/L	0.00011	7.40%
Fe 234.349†	39.4	0.0364	mg/L	0.00076	0.0364	mg/L	0.00076	2.10%
Fe 238.204†	3675.8	0.0142	mg/L	0.00043	0.0142	mg/L	0.00043	3.02%
K 766.490†	7750.6	5.821	mg/L	0.0896	5.821	mg/L	0.0896	1.54%
Li 670.784†	52.1	0.0041	mg/L	0.00157	0.0041	mg/L	0.00157	38.16%
Mg 279.077†	64416.8	3.778	mg/L	0.0761	3.778	mg/L	0.0761	2.01%
Mn 257.610†	22201.3	0.0236	mg/L	0.00054	0.0236	mg/L	0.00054	2.27%

Mo 202.031†	143.3	0.0059 mg/L	0.00027	0.0059 mg/L	0.00027	4.58%
Na 589.592†	195074.9	53.76 mg/L	0.661	53.76 mg/L	0.661	1.23%
Ni 231.604†	84.1	-0.0009 mg/L	0.00025	-0.0009 mg/L	0.00025	26.80%
P 214.914†	21.7	0.0245 mg/L	0.00465	0.0245 mg/L	0.00465	19.00%
Pb 220.353†	-64.1	-0.0065 mg/L	0.00090	-0.0065 mg/L	0.00090	13.84%
Sb 206.836†	10.2	0.0043 mg/L	0.00027	0.0043 mg/L	0.00027	6.22%
Se 196.026†	-7.3	-0.0025 mg/L	0.00076	-0.0025 mg/L	0.00076	30.01%
Sn 189.927†	-290.6	-0.0402 mg/L	0.00013	-0.0402 mg/L	0.00013	0.32%
Sr 407.771†	183860.7	0.3145 mg/L	0.00340	0.3145 mg/L	0.00340	1.08%
Ti 337.279†	316.9	0.0016 mg/L	0.00006	0.0016 mg/L	0.00006	3.56%
Tl 190.801†	8.2	-0.0014 mg/L	0.00159	-0.0014 mg/L	0.00159	112.75%
V 292.402†	-48.3	0.0019 mg/L	0.00036	0.0019 mg/L	0.00036	19.45%
Zn 213.857†	6770.0	0.0424 mg/L	0.00088	0.0424 mg/L	0.00088	2.07%

Sequence No.: 56

Sample ID: CJ21101-MS1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 53

Date Collected: 10/11/2012 8:34:57 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21101-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib.	Sample Units	Analysis Time
1	B 249.677†	485.0	465.2	0.5466 mg/L		0.5466 mg/L	20:36:49
1	Fe 234.349†	1794.0	1728.3	2.691 mg/L		2.691 mg/L	20:36:49
1	K 766.490†	44625.9	42790.1	31.94 mg/L		31.94 mg/L	20:36:38
1	Li 670.784†	9354.6	9223.8	0.5312 mg/L		0.5312 mg/L	20:36:49
1	Na 589.592†	294017.5	284238.8	78.36 mg/L		78.36 mg/L	20:36:38
1	Sr 407.771†	216739.7	209207.0	0.3578 mg/L		0.3578 mg/L	20:36:38
1	Y 371.029	3238206.9	3238206.9	1.04 mg/L			20:37:05
1	Ag 328.068†	45892.2	42281.3	0.2623 mg/L		0.2623 mg/L	20:37:08
1	Al 237.313†	26966.7	26190.2	2.511 mg/L		2.511 mg/L	20:37:18
1	As 188.979†	689.3	657.8	0.5160 mg/L		0.5160 mg/L	20:37:18
1	B 182.528†	462.7	453.5	0.5243 mg/L		0.5243 mg/L	20:37:18
1	Ba 233.527†	62260.9	60194.8	0.5417 mg/L		0.5417 mg/L	20:37:08
1	Be 313.107†	112874.8	109913.6	0.0531 mg/L		0.0531 mg/L	20:37:08
1	Ca 315.887†	4945637.9	4774702.0	33.96 mg/L		33.96 mg/L	20:37:05
1	Cd 228.802†	9985.0	9550.0	0.2508 mg/L		0.2508 mg/L	20:37:18
1	Co 228.616†	30906.7	29882.6	0.5157 mg/L		0.5157 mg/L	20:37:18
1	Cr 267.716†	67461.7	64515.1	0.5198 mg/L		0.5198 mg/L	20:37:08
1	Cu 324.752†	125333.5	119272.0	0.5258 mg/L		0.5258 mg/L	20:37:08
1	Fe 238.204†	425055.3	409630.0	2.603 mg/L		2.603 mg/L	20:37:08
1	Mg 279.077†	156550.5	150861.9	8.886 mg/L		8.886 mg/L	20:37:08
1	Mn 257.610†	484953.1	467785.6	0.5410 mg/L		0.5410 mg/L	20:37:08
1	Mo 202.031†	13619.7	13164.9	0.5088 mg/L		0.5088 mg/L	20:37:18
1	Ni 231.604†	25667.3	24778.4	0.5221 mg/L		0.5221 mg/L	20:37:08
1	P 214.914†	13740.5	13005.6	5.275 mg/L		5.275 mg/L	20:37:18
1	Pb 220.353†	8830.9	8514.7	0.5050 mg/L		0.5050 mg/L	20:37:18
1	Sb 206.836†	1005.0	934.9	0.5264 mg/L		0.5264 mg/L	20:37:18
1	Se 196.026†	1691.6	1635.6	1.040 mg/L		1.040 mg/L	20:37:18
1	Sn 189.927†	3959.2	3826.3	0.5086 mg/L		0.5086 mg/L	20:37:18
1	Ti 337.279†	457466.7	442895.3	0.5312 mg/L		0.5312 mg/L	20:37:08
1	Tl 190.801†	983.9	942.5	0.5099 mg/L		0.5099 mg/L	20:37:18
1	V 292.402†	116435.0	113369.7	0.5277 mg/L		0.5277 mg/L	20:37:08
1	Zn 213.857†	88005.6	83903.9	0.5602 mg/L		0.5602 mg/L	20:37:08
2	B 249.677†	493.5	475.9	0.5592 mg/L		0.5592 mg/L	20:37:01
2	Fe 234.349†	1773.9	1717.7	2.674 mg/L		2.674 mg/L	20:37:01
2	K 766.490†	44535.6	42921.4	32.03 mg/L		32.03 mg/L	20:36:51
2	Li 670.784†	9365.5	9280.2	0.5345 mg/L		0.5345 mg/L	20:37:01
2	Na 589.592†	294162.3	285821.7	78.80 mg/L		78.80 mg/L	20:36:51
2	Sr 407.771†	217116.7	210636.2	0.3603 mg/L		0.3603 mg/L	20:36:51
2	Y 371.029	3221841.5	3221841.5	1.03 mg/L			20:37:21
2	Ag 328.068†	46054.6	42664.0	0.2647 mg/L		0.2647 mg/L	20:37:23
2	Al 237.313†	27089.5	26441.7	2.535 mg/L		2.535 mg/L	20:37:33
2	As 188.979†	700.0	671.6	0.5268 mg/L		0.5268 mg/L	20:37:33
2	B 182.528†	469.3	462.2	0.5343 mg/L		0.5343 mg/L	20:37:33
2	Ba 233.527†	62562.5	60793.0	0.5471 mg/L		0.5471 mg/L	20:37:23
2	Be 313.107†	113796.9	111362.4	0.0538 mg/L		0.0538 mg/L	20:37:23
2	Ca 315.887†	4916433.1	4770615.3	33.93 mg/L		33.93 mg/L	20:37:21
2	Cd 228.802†	10043.0	9655.2	0.2535 mg/L		0.2535 mg/L	20:37:33
2	Co 228.616†	31060.3	30183.3	0.5209 mg/L		0.5209 mg/L	20:37:33

2	Cr 267.716†	67734.8	65111.0	0.5246 mg/L	0.5246 mg/L	20:37:23
2	Cu 324.752†	126153.8	120683.1	0.5320 mg/L	0.5320 mg/L	20:37:23
2	Fe 238.204†	427574.6	414160.5	2.632 mg/L	2.632 mg/L	20:37:23
2	Mg 279.077†	157347.7	152403.7	8.977 mg/L	8.977 mg/L	20:37:23
2	Mn 257.610†	487545.2	472680.7	0.5467 mg/L	0.5467 mg/L	20:37:23
2	Mo 202.031†	13706.2	13315.8	0.5146 mg/L	0.5146 mg/L	20:37:33
2	Ni 231.604†	25786.9	25020.5	0.5272 mg/L	0.5272 mg/L	20:37:23
2	P 214.914†	13907.9	13235.5	5.368 mg/L	5.368 mg/L	20:37:33
2	Pb 220.353†	8808.0	8535.8	0.5062 mg/L	0.5062 mg/L	20:37:33
2	Sb 206.836†	1009.6	944.2	0.5317 mg/L	0.5317 mg/L	20:37:33
2	Se 196.026†	1705.2	1657.1	1.053 mg/L	1.053 mg/L	20:37:33
2	Sn 189.927†	3976.8	3862.7	0.5133 mg/L	0.5133 mg/L	20:37:33
2	Ti 337.279†	459983.3	447582.1	0.5368 mg/L	0.5368 mg/L	20:37:23
2	Tl 190.801†	992.6	955.8	0.5172 mg/L	0.5172 mg/L	20:37:33
2	V 292.402†	116811.2	114306.0	0.5320 mg/L	0.5320 mg/L	20:37:23
2	Zn 213.857†	88570.8	84884.2	0.5668 mg/L	0.5668 mg/L	20:37:23

Mean Data: CJ21101-MS1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3230024.2	1.03 mg/L	0.004			0.36%
Ag 328.068†	42472.6	0.2635 mg/L	0.00168	0.2635 mg/L	0.00168	0.64%
Al 237.313†	26316.0	2.523 mg/L	0.0172	2.523 mg/L	0.0172	0.68%
As 188.979†	664.7	0.5214 mg/L	0.00762	0.5214 mg/L	0.00762	1.46%
B 182.528†	457.8	0.5293 mg/L	0.00707	0.5293 mg/L	0.00707	1.34%
B 249.677†	470.6	0.5529 mg/L	0.00887	0.5529 mg/L	0.00887	1.60%
Ba 233.527†	60493.9	0.5444 mg/L	0.00382	0.5444 mg/L	0.00382	0.70%
Be 313.107†	110638.0	0.0534 mg/L	0.00049	0.0534 mg/L	0.00049	0.92%
Ca 315.887†	4772658.6	33.94 mg/L	0.021	33.94 mg/L	0.021	0.06%
Cd 228.802†	9602.6	0.2521 mg/L	0.00194	0.2521 mg/L	0.00194	0.77%
Co 228.616†	30032.9	0.5183 mg/L	0.00370	0.5183 mg/L	0.00370	0.71%
Cr 267.716†	64813.1	0.5222 mg/L	0.00340	0.5222 mg/L	0.00340	0.65%
Cu 324.752†	119977.6	0.5289 mg/L	0.00441	0.5289 mg/L	0.00441	0.83%
Fe 234.349†	1723.0	2.683 mg/L	0.0119	2.683 mg/L	0.0119	0.45%
Fe 238.204†	411895.2	2.617 mg/L	0.0204	2.617 mg/L	0.0204	0.78%
K 766.490†	42855.8	31.98 mg/L	0.069	31.98 mg/L	0.069	0.22%
Li 670.784†	9252.0	0.5329 mg/L	0.00229	0.5329 mg/L	0.00229	0.43%
Mg 279.077†	151632.8	8.931 mg/L	0.0644	8.931 mg/L	0.0644	0.72%
Mn 257.610†	470233.1	0.5438 mg/L	0.00402	0.5438 mg/L	0.00402	0.74%
Mo 202.031†	13240.3	0.5117 mg/L	0.00413	0.5117 mg/L	0.00413	0.81%
Na 589.592†	285030.2	78.58 mg/L	0.309	78.58 mg/L	0.309	0.39%
Ni 231.604†	24899.5	0.5247 mg/L	0.00363	0.5247 mg/L	0.00363	0.69%
P 214.914†	13120.6	5.321 mg/L	0.0657	5.321 mg/L	0.0657	1.23%
Pb 220.353†	8525.2	0.5056 mg/L	0.00088	0.5056 mg/L	0.00088	0.17%
Sb 206.836†	939.5	0.5291 mg/L	0.00376	0.5291 mg/L	0.00376	0.71%
Se 196.026†	1646.4	1.046 mg/L	0.0096	1.046 mg/L	0.0096	0.92%
Sn 189.927†	3844.5	0.5109 mg/L	0.00335	0.5109 mg/L	0.00335	0.66%
Sr 407.771†	209921.6	0.3590 mg/L	0.00173	0.3590 mg/L	0.00173	0.48%
Ti 337.279†	445238.7	0.5340 mg/L	0.00397	0.5340 mg/L	0.00397	0.74%
Tl 190.801†	949.1	0.5135 mg/L	0.00518	0.5135 mg/L	0.00518	1.01%
V 292.402†	113837.8	0.5299 mg/L	0.00308	0.5299 mg/L	0.00308	0.58%
Zn 213.857†	84394.0	0.5635 mg/L	0.00466	0.5635 mg/L	0.00466	0.83%

Sequence No.: 57

Sample ID: CJ21101-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 54

Date Collected: 10/11/2012 8:39:13 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21101-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	9.2	5.3	0.0074 mg/L	0.0074 mg/L	20:41:05
1	Fe 234.349†	10.1	5.0	0.0035 mg/L	0.0035 mg/L	20:41:05
1	K 766.490†	2121.1	1619.5	1.252 mg/L	1.252 mg/L	20:40:55
1	Li 670.784†	-209.2	-0.4	0.0011 mg/L	0.0011 mg/L	20:40:55
1	Na 589.592†	41175.3	37694.2	10.32 mg/L	10.32 mg/L	20:40:55
1	Sr 407.771†	38960.3	35281.2	0.0603 mg/L	0.0603 mg/L	20:40:55
1	Y 371.029	3442778.4	3442778.4	1.10 mg/L		20:41:21
1	Ag 328.068†	2002.6	-219.9	-0.0016 mg/L	-0.0016 mg/L	20:41:23

1	Al 237.313†	-182.1	-18.2	-0.0185	mg/L	-0.0185	mg/L	20:41:33
1	As 188.979†	10.4	1.6	0.0031	mg/L	0.0031	mg/L	20:41:33
1	B 182.528†	-8.7	-1.2	0.0004	mg/L	0.0004	mg/L	20:41:33
1	Ba 233.527†	428.7	455.9	0.0026	mg/L	0.0026	mg/L	20:41:33
1	Be 313.107†	-896.2	91.0	0.0001	mg/L	0.0001	mg/L	20:41:23
1	Ca 315.887†	895007.0	811454.8	5.759	mg/L	5.759	mg/L	20:41:21
1	Cd 228.802†	106.5	3.7	0.0000	mg/L	0.0000	mg/L	20:41:33
1	Co 228.616†	-18.6	17.6	-0.0042	mg/L	-0.0042	mg/L	20:41:33
1	Cr 267.716†	696.9	-2.9	-0.0006	mg/L	-0.0006	mg/L	20:41:23
1	Cu 324.752†	2087.6	127.9	-0.0014	mg/L	-0.0014	mg/L	20:41:23
1	Fe 238.204†	2222.6	1152.8	-0.0018	mg/L	-0.0018	mg/L	20:41:33
1	Mg 279.077†	14367.7	12724.8	0.7243	mg/L	0.7243	mg/L	20:41:23
1	Mn 257.610†	12737.3	11013.4	0.0106	mg/L	0.0106	mg/L	20:41:23
1	Mo 202.031†	52.5	59.5	0.0027	mg/L	0.0027	mg/L	20:41:33
1	Ni 231.604†	42.7	29.1	-0.0021	mg/L	-0.0021	mg/L	20:41:33
1	P 214.914†	276.3	-13.2	0.0102	mg/L	0.0102	mg/L	20:41:33
1	Pb 220.353†	-45.5	-55.1	-0.0059	mg/L	-0.0059	mg/L	20:41:33
1	Sb 206.836†	39.0	-0.3	-0.0016	mg/L	-0.0016	mg/L	20:41:33
1	Se 196.026†	12.5	13.3	0.0105	mg/L	0.0105	mg/L	20:41:33
1	Sn 189.927†	-79.0	-69.1	-0.0113	mg/L	-0.0113	mg/L	20:41:33
1	Ti 337.279†	-711.3	451.8	0.0017	mg/L	0.0017	mg/L	20:41:23
1	Tl 190.801†	16.9	7.6	-0.0017	mg/L	-0.0017	mg/L	20:41:33
1	V 292.402†	-1037.0	-19.1	0.0020	mg/L	0.0020	mg/L	20:41:23
1	Zn 213.857†	4288.5	2808.2	0.0156	mg/L	0.0156	mg/L	20:41:33
2	B 249.677†	1.4	-1.8	-0.0009	mg/L	-0.0009	mg/L	20:41:17
2	Fe 234.349†	17.2	12.1	0.0145	mg/L	0.0145	mg/L	20:41:17
2	K 766.490†	2077.1	1670.9	1.290	mg/L	1.290	mg/L	20:41:07
2	Li 670.784†	-199.1	-0.0	0.0011	mg/L	0.0011	mg/L	20:41:07
2	Na 589.592†	41053.6	39389.1	10.79	mg/L	10.79	mg/L	20:41:07
2	Sr 407.771†	38853.3	36892.8	0.0631	mg/L	0.0631	mg/L	20:41:07
2	Y 371.029	3283791.7	3283791.7	1.05	mg/L			20:41:36
2	Ag 328.068†	1956.7	-175.6	-0.0014	mg/L	-0.0014	mg/L	20:41:38
2	Al 237.313†	-221.8	-64.0	-0.0229	mg/L	-0.0229	mg/L	20:41:48
2	As 188.979†	9.7	1.4	0.0029	mg/L	0.0029	mg/L	20:41:48
2	B 182.528†	-10.4	-3.2	-0.0019	mg/L	-0.0019	mg/L	20:41:48
2	Ba 233.527†	451.4	496.4	0.0029	mg/L	0.0029	mg/L	20:41:48
2	Be 313.107†	-842.7	102.6	0.0001	mg/L	0.0001	mg/L	20:41:38
2	Ca 315.887†	903036.9	858463.4	6.093	mg/L	6.093	mg/L	20:41:36
2	Cd 228.802†	101.0	3.2	0.0000	mg/L	0.0000	mg/L	20:41:48
2	Co 228.616†	1.9	36.3	-0.0039	mg/L	-0.0039	mg/L	20:41:48
2	Cr 267.716†	671.5	3.5	-0.0005	mg/L	-0.0005	mg/L	20:41:38
2	Cu 324.752†	2098.5	230.1	-0.0010	mg/L	-0.0010	mg/L	20:41:38
2	Fe 238.204†	2205.8	1234.5	-0.0013	mg/L	-0.0013	mg/L	20:41:48
2	Mg 279.077†	14289.1	13281.8	0.7572	mg/L	0.7572	mg/L	20:41:38
2	Mn 257.610†	12591.0	11434.3	0.0111	mg/L	0.0111	mg/L	20:41:38
2	Mo 202.031†	53.5	62.7	0.0028	mg/L	0.0028	mg/L	20:41:48
2	Ni 231.604†	51.9	39.7	-0.0019	mg/L	-0.0019	mg/L	20:41:48
2	P 214.914†	277.9	0.5	0.0158	mg/L	0.0158	mg/L	20:41:48
2	Pb 220.353†	-31.6	-43.9	-0.0053	mg/L	-0.0053	mg/L	20:41:48
2	Sb 206.836†	30.8	-6.4	-0.0051	mg/L	-0.0051	mg/L	20:41:48
2	Se 196.026†	3.1	4.9	0.0052	mg/L	0.0052	mg/L	20:41:48
2	Sn 189.927†	-91.1	-84.1	-0.0132	mg/L	-0.0132	mg/L	20:41:48
2	Ti 337.279†	-1067.9	80.9	0.0013	mg/L	0.0013	mg/L	20:41:38
2	Tl 190.801†	7.8	-0.3	-0.0061	mg/L	-0.0061	mg/L	20:41:48
2	V 292.402†	-1000.5	-29.9	0.0019	mg/L	0.0019	mg/L	20:41:38
2	Zn 213.857†	4323.7	3030.3	0.0171	mg/L	0.0171	mg/L	20:41:48

Mean Data: CJ21101-SD1 @5

Analyte	Mean Corrected Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	3363285.1	1.08	mg/L	0.036				3.34%
Ag 328.068†	-197.7	-0.0015	mg/L	0.00020	-0.0015	mg/L	0.00020	13.09%
Al 237.313†	-41.1	-0.0207	mg/L	0.00312	-0.0207	mg/L	0.00312	15.08%
As 188.979†	1.5	0.0030	mg/L	0.00011	0.0030	mg/L	0.00011	3.56%
B 182.528†	-2.2	-0.0008	mg/L	0.00161	-0.0008	mg/L	0.00161	208.26%
B 249.677†	1.7	0.0032	mg/L	0.00584	0.0032	mg/L	0.00584	179.95%
Ba 233.527†	476.1	0.0027	mg/L	0.00026	0.0027	mg/L	0.00026	9.43%
Be 313.107†	96.8	0.0001	mg/L	0.00000	0.0001	mg/L	0.00000	3.24%
Ca 315.887†	834959.1	5.926	mg/L	0.2365	5.926	mg/L	0.2365	3.99%
Cd 228.802†	3.4	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	30.91%
Co 228.616†	26.9	-0.0040	mg/L	0.00023	-0.0040	mg/L	0.00023	5.73%
Cr 267.716†	0.3	-0.0005	mg/L	0.00004	-0.0005	mg/L	0.00004	6.87%

Cu 324.752†	179.0	-0.0012 mg/L	0.00032	-0.0012 mg/L	0.00032	26.75%
Fe 234.349†	8.5	-0.0090 mg/L	0.00778	0.0090 mg/L	0.00778	86.42%
Fe 238.204†	1193.7	-0.0016 mg/L	0.00037	-0.0016 mg/L	0.00037	23.25%
K 766.490†	1645.2	1.271 mg/L	0.0271	1.271 mg/L	0.0271	2.13%
Li 670.784†	-0.2	0.0011 mg/L	0.00002	0.0011 mg/L	0.00002	1.35%
Mg 279.077†	13003.3	0.7408 mg/L	0.02326	0.7408 mg/L	0.02326	3.14%
Mn 257.610†	11223.8	0.0109 mg/L	0.00035	0.0109 mg/L	0.00035	3.18%
Mo 202.031†	61.1	0.0027 mg/L	0.00009	0.0027 mg/L	0.00009	3.16%
Na 589.592†	38541.6	10.56 mg/L	0.331	10.56 mg/L	0.331	3.13%
Ni 231.604†	34.4	-0.0020 mg/L	0.00016	-0.0020 mg/L	0.00016	8.03%
P 214.914†	-6.4	0.0130 mg/L	0.00392	0.0130 mg/L	0.00392	30.15%
Pb 220.353†	-49.5	-0.0056 mg/L	0.00048	-0.0056 mg/L	0.00048	8.48%
Sb 206.836†	-3.3	-0.0034 mg/L	0.00246	-0.0034 mg/L	0.00246	73.32%
Se 196.026†	9.1	0.0078 mg/L	0.00374	0.0078 mg/L	0.00374	47.85%
Sn 189.927†	-76.6	-0.0123 mg/L	0.00137	-0.0123 mg/L	0.00137	11.15%
Sr 407.771†	36087.0	0.0617 mg/L	0.00195	0.0617 mg/L	0.00195	3.16%
Ti 337.279†	266.4	0.0015 mg/L	0.00031	0.0015 mg/L	0.00031	20.94%
Tl 190.801†	3.7	-0.0039 mg/L	0.00311	-0.0039 mg/L	0.00311	79.92%
V 292.402†	-24.5	0.0020 mg/L	0.00004	0.0020 mg/L	0.00004	1.81%
Zn 213.857†	2919.3	0.0164 mg/L	0.00106	0.0164 mg/L	0.00106	6.49%

Sequence No.: 58

Autosampler Location: 55

Sample ID: CJ21101-PDS1

Date Collected: 10/11/2012 8:43:30 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ21101-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	536.5	511.6	0.6010	mg/L	0.6010	mg/L	20:45:21
1	Fe 234.349†	1938.0	1854.9	2.891	mg/L	2.891	mg/L	20:45:21
1	K 766.490†	46997.5	44777.2	33.42	mg/L	33.42	mg/L	20:45:11
1	Li 670.784†	10099.1	9877.6	0.5688	mg/L	0.5688	mg/L	20:45:21
1	Na 589.592†	302927.7	290888.8	80.20	mg/L	80.20	mg/L	20:45:11
1	Sr 407.771†	222919.4	213736.4	0.3656	mg/L	0.3656	mg/L	20:45:11
1	Y 371.029	3259992.1	3259992.1	1.04	mg/L			20:45:38
1	Ag 328.068†	48278.1	44273.8	0.2747	mg/L	0.2747	mg/L	20:45:40
1	Al 237.313†	28954.9	27923.5	2.678	mg/L	2.678	mg/L	20:45:50
1	As 188.979†	745.4	707.2	0.5547	mg/L	0.5547	mg/L	20:45:50
1	B 182.528†	501.1	487.4	0.5633	mg/L	0.5633	mg/L	20:45:50
1	Ba 233.527†	65550.0	62948.2	0.5665	mg/L	0.5665	mg/L	20:45:40
1	Be 313.107†	118831.0	114899.0	0.0555	mg/L	0.0555	mg/L	20:45:40
1	Ca 315.887†	4983299.5	4778912.9	33.99	mg/L	33.99	mg/L	20:45:38
1	Cd 228.802†	10658.9	10132.0	0.2660	mg/L	0.2660	mg/L	20:45:50
1	Co 228.616†	33086.0	31773.6	0.5486	mg/L	0.5486	mg/L	20:45:50
1	Cr 267.716†	71137.3	67605.6	0.5447	mg/L	0.5447	mg/L	20:45:40
1	Cu 324.752†	131905.1	124767.3	0.5501	mg/L	0.5501	mg/L	20:45:40
1	Fe 238.204†	449940.1	430758.7	2.738	mg/L	2.738	mg/L	20:45:40
1	Mg 279.077†	161697.8	154789.4	9.118	mg/L	9.118	mg/L	20:45:40
1	Mn 257.610†	521493.3	499708.7	0.5780	mg/L	0.5780	mg/L	20:45:40
1	Mo 202.031†	14599.7	14017.2	0.5417	mg/L	0.5417	mg/L	20:45:50
1	Ni 231.604†	27126.5	26012.6	0.5483	mg/L	0.5483	mg/L	20:45:40
1	P 214.914†	14787.8	13921.7	5.646	mg/L	5.646	mg/L	20:45:50
1	Pb 220.353†	9437.7	9039.8	0.5363	mg/L	0.5363	mg/L	20:45:50
1	Sb 206.836†	1080.9	1001.2	0.5638	mg/L	0.5638	mg/L	20:45:50
1	Se 196.026†	1835.3	1762.5	1.120	mg/L	1.120	mg/L	20:45:50
1	Sn 189.927†	4232.3	4062.6	0.5402	mg/L	0.5402	mg/L	20:45:50
1	Ti 337.279†	471006.6	452931.7	0.5432	mg/L	0.5432	mg/L	20:45:40
1	Tl 190.801†	1042.1	992.0	0.5369	mg/L	0.5369	mg/L	20:45:50
1	V 292.402†	122661.1	118590.9	0.5520	mg/L	0.5520	mg/L	20:45:40
1	Zn 213.857†	92574.5	87718.9	0.5859	mg/L	0.5859	mg/L	20:45:40
2	B 249.677†	534.2	504.2	0.5924	mg/L	0.5924	mg/L	20:45:33
2	Fe 234.349†	1949.8	1847.5	2.879	mg/L	2.879	mg/L	20:45:33
2	K 766.490†	47017.5	44346.9	33.10	mg/L	33.10	mg/L	20:45:23
2	Li 670.784†	10150.4	9829.8	0.5661	mg/L	0.5661	mg/L	20:45:33
2	Na 589.592†	302906.4	287972.6	79.39	mg/L	79.39	mg/L	20:45:23
2	Sr 407.771†	222422.5	211133.4	0.3611	mg/L	0.3611	mg/L	20:45:23
2	Y 371.029	3292806.7	3292806.7	1.05	mg/L			20:45:53
2	Ag 328.068†	48290.6	43824.2	0.2719	mg/L	0.2719	mg/L	20:45:55
2	Al 237.313†	28833.7	27531.6	2.640	mg/L	2.640	mg/L	20:46:06

2	As	188.979†	738.1	693.1	0.5436	mg/L	0.5436	mg/L	20:46:06
2	B	182.528†	497.9	479.6	0.5544	mg/L	0.5544	mg/L	20:46:06
2	Ba	233.527†	65422.4	62200.4	0.5598	mg/L	0.5598	mg/L	20:45:55
2	Be	313.107†	119398.9	114302.3	0.0552	mg/L	0.0552	mg/L	20:45:55
2	Ca	315.887†	5084488.8	4827376.1	34.33	mg/L	34.33	mg/L	20:45:53
2	Cd	228.802†	10632.9	10005.4	0.2627	mg/L	0.2627	mg/L	20:46:06
2	Co	228.616†	32858.0	31240.8	0.5394	mg/L	0.5394	mg/L	20:46:06
2	Cr	267.716†	71224.2	67008.1	0.5399	mg/L	0.5399	mg/L	20:45:55
2	Cu	324.752†	131914.8	123515.5	0.5445	mg/L	0.5445	mg/L	20:45:55
2	Fe	238.204†	450506.6	426995.3	2.714	mg/L	2.714	mg/L	20:45:55
2	Mg	279.077†	162376.7	153888.4	9.065	mg/L	9.065	mg/L	20:45:55
2	Mn	257.610†	522223.3	495416.6	0.5730	mg/L	0.5730	mg/L	20:45:55
2	Mo	202.031†	14500.4	13783.3	0.5327	mg/L	0.5327	mg/L	20:46:06
2	Ni	231.604†	27092.2	25720.7	0.5421	mg/L	0.5421	mg/L	20:45:55
2	P	214.914†	14694.3	13691.4	5.553	mg/L	5.553	mg/L	20:46:06
2	Pb	220.353†	9384.4	8898.9	0.5279	mg/L	0.5279	mg/L	20:46:06
2	Sb	206.836†	1072.3	982.7	0.5534	mg/L	0.5534	mg/L	20:46:06
2	Se	196.026†	1817.3	1727.9	1.098	mg/L	1.098	mg/L	20:46:06
2	Sn	189.927†	4235.3	4025.1	0.5352	mg/L	0.5352	mg/L	20:46:06
2	Ti	337.279†	471888.1	449266.1	0.5388	mg/L	0.5388	mg/L	20:45:55
2	Tl	190.801†	1033.8	974.1	0.5271	mg/L	0.5271	mg/L	20:46:06
2	V	292.402†	123023.9	117762.8	0.5481	mg/L	0.5481	mg/L	20:45:55
2	Zn	213.857†	92907.3	87149.9	0.5821	mg/L	0.5821	mg/L	20:45:55

Mean Data: CJ21101-PDS1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3276399.4	1.05	mg/L	0.007				0.71%
Ag 328.068†	44049.0	0.2733	mg/L	0.00197	0.2733	mg/L	0.00197	0.72%
Al 237.313†	27727.5	2.659	mg/L	0.0267	2.659	mg/L	0.0267	1.01%
As 188.979†	700.2	0.5492	mg/L	0.00781	0.5492	mg/L	0.00781	1.42%
B 182.528†	483.5	0.5589	mg/L	0.00635	0.5589	mg/L	0.00635	1.14%
B 249.677†	507.9	0.5967	mg/L	0.00609	0.5967	mg/L	0.00609	1.02%
Ba 233.527†	62574.3	0.5631	mg/L	0.00477	0.5631	mg/L	0.00477	0.85%
Be 313.107†	114600.6	0.0553	mg/L	0.00020	0.0553	mg/L	0.00020	0.37%
Ca 315.887†	4803144.5	34.16	mg/L	0.244	34.16	mg/L	0.244	0.71%
Cd 228.802†	10068.7	0.2644	mg/L	0.00234	0.2644	mg/L	0.00234	0.88%
Co 228.616†	31507.2	0.5440	mg/L	0.00657	0.5440	mg/L	0.00657	1.21%
Cr 267.716†	67306.9	0.5423	mg/L	0.00341	0.5423	mg/L	0.00341	0.63%
Cu 324.752†	124141.4	0.5473	mg/L	0.00392	0.5473	mg/L	0.00392	0.72%
Fe 234.349†	1851.2	2.885	mg/L	0.0084	2.885	mg/L	0.0084	0.29%
Fe 238.204†	428877.0	2.726	mg/L	0.0170	2.726	mg/L	0.0170	0.62%
K 766.490†	44562.0	33.26	mg/L	0.227	33.26	mg/L	0.227	0.68%
Li 670.784†	9853.7	0.5674	mg/L	0.00194	0.5674	mg/L	0.00194	0.34%
Mg 279.077†	154338.9	9.091	mg/L	0.0376	9.091	mg/L	0.0376	0.41%
Mn 257.610†	497562.7	0.5755	mg/L	0.00352	0.5755	mg/L	0.00352	0.61%
Mo 202.031†	13900.3	0.5372	mg/L	0.00640	0.5372	mg/L	0.00640	1.19%
Na 589.592†	289430.7	79.79	mg/L	0.569	79.79	mg/L	0.569	0.71%
Ni 231.604†	25866.7	0.5452	mg/L	0.00438	0.5452	mg/L	0.00438	0.80%
P 214.914†	13806.5	5.599	mg/L	0.0658	5.599	mg/L	0.0658	1.18%
Pb 220.353†	8969.3	0.5321	mg/L	0.00595	0.5321	mg/L	0.00595	1.12%
Sb 206.836†	991.9	0.5586	mg/L	0.00737	0.5586	mg/L	0.00737	1.32%
Se 196.026†	1745.2	1.109	mg/L	0.0155	1.109	mg/L	0.0155	1.40%
Sn 189.927†	4043.9	0.5377	mg/L	0.00351	0.5377	mg/L	0.00351	0.65%
Sr 407.771†	212434.9	0.3633	mg/L	0.00315	0.3633	mg/L	0.00315	0.87%
Ti 337.279†	451098.9	0.5410	mg/L	0.00310	0.5410	mg/L	0.00310	0.57%
Tl 190.801†	983.0	0.5320	mg/L	0.00697	0.5320	mg/L	0.00697	1.31%
V 292.402†	118176.9	0.5500	mg/L	0.00275	0.5500	mg/L	0.00275	0.50%
Zn 213.857†	87434.4	0.5840	mg/L	0.00269	0.5840	mg/L	0.00269	0.46%

Sequence No.: 59

Sample ID: 1210228-02

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 56

Date Collected: 10/11/2012 8:47:42 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210228-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	30.3	23.8	0.0292	mg/L	0.0292	mg/L	20:49:34

1	Fe 234.349†	69.2	57.2	0.0356 mg/L	0.0356 mg/L	20:49:34
1	K 766.490†	8070.3	6853.2	5.152 mg/L	5.152 mg/L	20:49:24
1	Li 670.784†	-97.7	102.9	0.0070 mg/L	0.0070 mg/L	20:49:24
1	Na 589.592†	308915.2	274381.0	75.64 mg/L	75.64 mg/L	20:49:24
1	Sr 407.771†	313179.6	277763.7	0.4751 mg/L	0.4751 mg/L	20:49:24
1	Y 371.029	3524650.9	3524650.9	1.13 mg/L		20:49:53
1	Ag 328.068†	1821.0	-423.3	-0.0029 mg/L	-0.0029 mg/L	20:49:55
1	Al 237.313†	-165.5	0.4	-0.0167 mg/L	-0.0167 mg/L	20:50:05
1	As 188.979†	-17.6	-23.5	-0.0165 mg/L	-0.0165 mg/L	20:50:05
1	B 182.528†	-23.7	-14.3	-0.0147 mg/L	-0.0147 mg/L	20:50:05
1	Ba 233.527†	2815.5	2564.6	0.0216 mg/L	0.0216 mg/L	20:50:05
1	Be 313.107†	-1065.0	-39.8	0.0001 mg/L	0.0001 mg/L	20:49:55
1	Ca 315.887†	9842894.6	8731695.1	62.10 mg/L	62.10 mg/L	20:49:50
1	Cd 228.802†	110.4	4.9	0.0002 mg/L	0.0002 mg/L	20:50:05
1	Co 228.616†	-10.8	24.9	-0.0041 mg/L	-0.0041 mg/L	20:50:05
1	Cr 267.716†	646.0	-62.8	-0.0010 mg/L	-0.0010 mg/L	20:49:55
1	Cu 324.752†	2438.6	395.2	-0.0002 mg/L	-0.0002 mg/L	20:49:55
1	Fe 238.204†	2438.7	1297.6	-0.0009 mg/L	-0.0009 mg/L	20:50:05
1	Mg 279.077†	214700.3	190169.2	11.21 mg/L	11.21 mg/L	20:49:55
1	Mn 257.610†	7896.5	6449.6	0.0053 mg/L	0.0053 mg/L	20:49:55
1	Mo 202.031†	188.2	178.7	0.0072 mg/L	0.0072 mg/L	20:50:05
1	Ni 231.604†	77.0	58.6	-0.0015 mg/L	-0.0015 mg/L	20:50:05
1	P 214.914†	355.3	51.0	0.0364 mg/L	0.0364 mg/L	20:50:05
1	Pb 220.353†	-145.8	-143.1	-0.0112 mg/L	-0.0112 mg/L	20:50:05
1	Sb 206.836†	49.8	8.5	0.0033 mg/L	0.0033 mg/L	20:50:05
1	Se 196.026†	-16.2	-12.4	-0.0058 mg/L	-0.0058 mg/L	20:50:05
1	Sn 189.927†	-467.8	-412.4	-0.0561 mg/L	-0.0561 mg/L	20:50:05
1	Ti 337.279†	-752.3	430.4	0.0017 mg/L	0.0017 mg/L	20:49:55
1	Tl 190.801†	29.3	18.3	0.0042 mg/L	0.0042 mg/L	20:50:05
1	V 292.402†	-1065.5	-22.5	0.0020 mg/L	0.0020 mg/L	20:49:55
1	Zn 213.857†	6351.7	4548.3	0.0274 mg/L	0.0274 mg/L	20:50:05
2	B 249.677†	24.7	20.3	0.0250 mg/L	0.0250 mg/L	20:49:46
2	Fe 234.349†	76.7	68.4	0.0502 mg/L	0.0502 mg/L	20:49:46
2	K 766.490†	8180.2	7440.0	5.590 mg/L	5.590 mg/L	20:49:36
2	Li 670.784†	9.8	198.9	0.0126 mg/L	0.0126 mg/L	20:49:36
2	Na 589.592†	311044.6	294870.2	81.29 mg/L	81.29 mg/L	20:49:36
2	Sr 407.771†	315695.6	298874.0	0.5112 mg/L	0.5112 mg/L	20:49:36
2	Y 371.029	3302101.7	3302101.7	1.06 mg/L		20:50:10
2	Ag 328.068†	1831.1	-304.8	-0.0021 mg/L	-0.0021 mg/L	20:50:12
2	Al 237.313†	-199.6	-41.8	-0.0208 mg/L	-0.0208 mg/L	20:50:23
2	As 188.979†	-12.8	-19.9	-0.0137 mg/L	-0.0137 mg/L	20:50:23
2	B 182.528†	-25.6	-17.6	-0.0185 mg/L	-0.0185 mg/L	20:50:23
2	Ba 233.527†	2785.7	2704.7	0.0229 mg/L	0.0229 mg/L	20:50:23
2	Be 313.107†	-947.6	7.6	0.0001 mg/L	0.0001 mg/L	20:50:12
2	Ca 315.887†	9725756.0	9209344.7	65.50 mg/L	65.50 mg/L	20:50:08
2	Cd 228.802†	91.2	-6.7	-0.0002 mg/L	-0.0002 mg/L	20:50:23
2	Co 228.616†	-12.0	23.1	-0.0041 mg/L	-0.0041 mg/L	20:50:23
2	Cr 267.716†	677.0	5.2	-0.0005 mg/L	-0.0005 mg/L	20:50:12
2	Cu 324.752†	2393.6	498.4	0.0002 mg/L	0.0002 mg/L	20:50:12
2	Fe 238.204†	2436.4	1441.2	0.0000 mg/L	0.0000 mg/L	20:50:23
2	Mg 279.077†	213969.2	202315.5	11.92 mg/L	11.92 mg/L	20:50:12
2	Mn 257.610†	8171.3	7182.1	0.0062 mg/L	0.0062 mg/L	20:50:12
2	Mo 202.031†	221.6	221.6	0.0089 mg/L	0.0089 mg/L	20:50:23
2	Ni 231.604†	86.4	72.1	-0.0012 mg/L	-0.0012 mg/L	20:50:23
2	P 214.914†	333.5	51.6	0.0366 mg/L	0.0366 mg/L	20:50:23
2	Pb 220.353†	-53.6	-64.5	-0.0065 mg/L	-0.0065 mg/L	20:50:23
2	Sb 206.836†	41.5	3.6	0.0005 mg/L	0.0005 mg/L	20:50:23
2	Se 196.026†	-5.6	-3.4	0.0000 mg/L	0.0000 mg/L	20:50:23
2	Sn 189.927†	-467.1	-439.7	-0.0597 mg/L	-0.0597 mg/L	20:50:23
2	Ti 337.279†	-743.5	393.8	0.0017 mg/L	0.0017 mg/L	20:50:12
2	Tl 190.801†	29.8	20.5	0.0054 mg/L	0.0054 mg/L	20:50:23
2	V 292.402†	-998.6	-22.9	0.0020 mg/L	0.0020 mg/L	20:50:12
2	Zn 213.857†	6406.7	4980.3	0.0303 mg/L	0.0303 mg/L	20:50:23

Mean Data: 1210228-02

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3413376.3	1.09 mg/L	0.050			4.61%
Ag 328.068†	-364.1	-0.0025 mg/L	0.00052	-0.0025 mg/L	0.00052	20.69%
Al 237.313†	-20.7	-0.0187 mg/L	0.00287	-0.0187 mg/L	0.00287	15.32%
As 188.979†	-21.7	-0.0151 mg/L	0.00196	-0.0151 mg/L	0.00196	13.00%
B 182.528†	-15.9	-0.0166 mg/L	0.00265	-0.0166 mg/L	0.00265	15.99%

B 249.677†	22.0	0.0271 mg/L	0.00294	0.0271 mg/L	0.00294	10.86%
Ba 233.527†	2634.6	0.0222 mg/L	0.00089	0.0222 mg/L	0.00089	4.02%
Be 313.107†	-16.1	0.0001 mg/L	0.00002	0.0001 mg/L	0.00002	24.02%
Ca 315.887†	8970519.9	63.80 mg/L	2.403	63.80 mg/L	2.403	3.77%
Cd 228.802†	-0.9	0.0000 mg/L	0.00023	0.0000 mg/L	0.00023	>999.9%
Co 228.616†	24.0	-0.0041 mg/L	0.00002	-0.0041 mg/L	0.00002	0.51%
Cr 267.716†	-28.8	-0.0008 mg/L	0.00039	-0.0008 mg/L	0.00039	51.03%
Cu 324.752†	446.8	0.0000 mg/L	0.00032	0.0000 mg/L	0.00032	>999.9%
Fe 234.349†	62.8	0.0429 mg/L	0.01036	0.0429 mg/L	0.01036	24.13%
Fe 238.204†	1369.4	-0.0005 mg/L	0.00065	-0.0005 mg/L	0.00065	139.78%
K 766.490†	7146.6	5.371 mg/L	0.3092	5.371 mg/L	0.3092	5.76%
Li 670.784†	150.9	0.0098 mg/L	0.00390	0.0098 mg/L	0.00390	39.81%
Mg 279.077†	196242.4	11.56 mg/L	0.507	11.56 mg/L	0.507	4.39%
Mn 257.610†	6815.9	0.0058 mg/L	0.00060	0.0058 mg/L	0.00060	10.45%
Mo 202.031†	200.2	0.0081 mg/L	0.00117	0.0081 mg/L	0.00117	14.50%
Na 589.592†	284625.6	78.47 mg/L	3.998	78.47 mg/L	3.998	5.10%
Ni 231.604†	65.4	-0.0013 mg/L	0.00020	-0.0013 mg/L	0.00020	15.53%
P 214.914†	51.3	0.0365 mg/L	0.00018	0.0365 mg/L	0.00018	0.50%
Pb 220.353†	-103.8	-0.0089 mg/L	0.00332	-0.0089 mg/L	0.00332	37.47%
Sb 206.836†	6.0	0.0019 mg/L	0.00196	0.0019 mg/L	0.00196	102.18%
Se 196.026†	-7.9	-0.0029 mg/L	0.00405	-0.0029 mg/L	0.00405	139.21%
Sn 189.927†	-426.1	-0.0579 mg/L	0.00251	-0.0579 mg/L	0.00251	4.33%
Sr 407.771†	288318.9	0.4931 mg/L	0.02553	0.4931 mg/L	0.02553	5.18%
Ti 337.279†	412.1	0.0017 mg/L	0.00003	0.0017 mg/L	0.00003	1.85%
Tl 190.801†	19.4	0.0048 mg/L	0.00083	0.0048 mg/L	0.00083	17.49%
V 292.402†	-22.7	0.0020 mg/L	0.00001	0.0020 mg/L	0.00001	0.36%
Zn 213.857†	4764.3	0.0288 mg/L	0.00206	0.0288 mg/L	0.00206	7.16%

Sequence No.: 60
Sample ID: 1210228-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 10/11/2012 8:51:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210228-03

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1045.8	1042.5	1.225 mg/L	1.225 mg/L	20:53:40
1	Fe 234.349†	133464.1	133431.7	210.5 mg/L	210.5 mg/L	20:53:38
1	K 766.490†	84619.7	84294.6	62.87 mg/L	62.87 mg/L	20:53:38
1	Li 670.784†	-35.8	153.7	0.0100 mg/L	0.0100 mg/L	20:53:40
1	Na 589.592†	352524.9	352742.6	97.27 mg/L	97.27 mg/L	20:53:38
1	Sr 407.771†	435892.2	435691.4	0.7452 mg/L	0.7452 mg/L	20:53:38
1	Y 371.029	3127950.8	3127950.8	1.00 mg/L		20:53:53
1	Ag 328.068†	235.6	-1803.5	0.0048 mg/L	0.0048 mg/L	20:53:56
1	Al 237.313†	7962.7	8108.3	0.7641 mg/L	0.7641 mg/L	20:53:53
1	As 188.979†	-19.5	-27.4	0.0689 mg/L	0.0689 mg/L	20:54:06
1	B 182.528†	992.0	998.4	1.152 mg/L	1.152 mg/L	20:54:06
1	Ba 233.527†	88133.0	88180.9	0.7946 mg/L	0.7946 mg/L	20:53:56
1	Be 313.107†	-1719.4	-814.0	-0.0003 mg/L	-0.0003 mg/L	20:53:56
1	Ca 315.887†	20209347.9	20203545.7	143.7 mg/L	143.7 mg/L	20:53:51
1	Cd 228.802†	133.7	40.7	0.0011 mg/L	0.0011 mg/L	20:54:06
1	Co 228.616†	-2.1	32.4	-0.0039 mg/L	-0.0039 mg/L	20:54:06
1	Cr 267.716†	2867.7	2231.1	0.0174 mg/L	0.0174 mg/L	20:53:56
1	Cu 324.752†	2350.7	581.8	0.0006 mg/L	0.0006 mg/L	20:53:56
1	Fe 238.204†	26272251.8	26265839.5	167.4 mg/L	167.4 mg/L	20:53:51
1	Mg 279.077†	377973.1	377567.0	22.28 mg/L	22.28 mg/L	20:53:53
1	Mn 257.610†	1058233.1	1057453.0	1.225 mg/L	1.225 mg/L	20:53:53
1	Mo 202.031†	274.2	285.9	-0.0541 mg/L	-0.0541 mg/L	20:53:56
1	Ni 231.604†	545.4	535.5	0.0086 mg/L	0.0086 mg/L	20:54:06
1	P 214.914†	1311.3	1046.8	0.9358 mg/L	0.9358 mg/L	20:54:06
1	Pb 220.353†	-181.7	-195.5	-0.0146 mg/L	-0.0146 mg/L	20:54:06
1	Sb 206.836†	95.3	59.5	-0.0613 mg/L	-0.0613 mg/L	20:54:06
1	Se 196.026†	-90.2	-88.2	0.0359 mg/L	0.0359 mg/L	20:54:06
1	Sn 189.927†	-593.5	-590.7	0.5358 mg/L	0.5358 mg/L	20:54:06
1	Ti 337.279†	-85.9	1012.0	0.0024 mg/L	0.0024 mg/L	20:53:56
1	Tl 190.801†	21.9	14.2	-0.1176 mg/L	-0.1176 mg/L	20:54:06
1	V 292.402†	6018.8	6940.4	-0.0057 mg/L	-0.0057 mg/L	20:53:56
1	Zn 213.857†	9607.3	8517.9	0.0542 mg/L	0.0542 mg/L	20:54:06
2	B 249.677†	1047.5	1023.4	1.203 mg/L	1.203 mg/L	20:53:44
2	Fe 234.349†	133235.5	130558.5	206.0 mg/L	206.0 mg/L	20:53:42

2	K 766.490†	84494.8	82492.6	61.52 mg/L	61.52 mg/L	20:53:42
2	Li 670.784†	7.6	197.0	0.0125 mg/L	0.0125 mg/L	20:53:44
2	Na 589.592†	351963.1	345194.6	95.18 mg/L	95.18 mg/L	20:53:42
2	Sr 407.771†	434929.2	426095.4	0.7288 mg/L	0.7288 mg/L	20:53:42
2	Y 371.029	3191310.6	3191310.6	1.02 mg/L		20:54:13
2	Ag 328.068†	215.2	-1828.2	0.0043 mg/L	0.0043 mg/L	20:54:15
2	Al 237.313†	7882.0	7871.1	0.7413 mg/L	0.7413 mg/L	20:54:13
2	As 188.979†	-17.3	-24.8	0.0689 mg/L	0.0689 mg/L	20:54:26
2	B 182.528†	1000.2	986.8	1.139 mg/L	1.139 mg/L	20:54:26
2	Ba 233.527†	88011.0	86311.9	0.7777 mg/L	0.7777 mg/L	20:54:15
2	Be 313.107†	-1664.1	-725.6	-0.0003 mg/L	-0.0003 mg/L	20:54:15
2	Ca 315.887†	20289306.6	19880752.1	141.4 mg/L	141.4 mg/L	20:54:10
2	Cd 228.802†	129.1	33.5	0.0009 mg/L	0.0009 mg/L	20:54:26
2	Co 228.616†	34.2	68.0	-0.0033 mg/L	-0.0033 mg/L	20:54:26
2	Cr 267.716†	2904.0	2209.8	0.0173 mg/L	0.0173 mg/L	20:54:15
2	Cu 324.752†	2300.7	486.1	0.0002 mg/L	0.0002 mg/L	20:54:15
2	Fe 238.204†	26366007.7	25836219.9	164.7 mg/L	164.7 mg/L	20:54:10
2	Mg 279.077†	376076.4	368205.7	21.73 mg/L	21.73 mg/L	20:54:13
2	Mn 257.610†	1053601.5	1031908.9	1.196 mg/L	1.196 mg/L	20:54:13
2	Mo 202.031†	238.3	245.3	-0.0542 mg/L	-0.0542 mg/L	20:54:15
2	Ni 231.604†	543.0	522.4	0.0084 mg/L	0.0084 mg/L	20:54:26
2	P 214.914†	1355.7	1064.3	0.9322 mg/L	0.9322 mg/L	20:54:26
2	Pb 220.353†	-162.1	-172.7	-0.0132 mg/L	-0.0132 mg/L	20:54:26
2	Sb 206.836†	93.8	56.2	-0.0611 mg/L	-0.0611 mg/L	20:54:26
2	Se 196.026†	-82.3	-78.7	0.0400 mg/L	0.0400 mg/L	20:54:26
2	Sn 189.927†	-613.0	-598.1	0.5216 mg/L	0.5216 mg/L	20:54:26
2	Ti 337.279†	-38.0	1060.7	0.0024 mg/L	0.0024 mg/L	20:54:15
2	Tl 190.801†	24.8	16.6	-0.1137 mg/L	-0.1137 mg/L	20:54:26
2	V 292.402†	5887.2	6691.9	-0.0060 mg/L	-0.0060 mg/L	20:54:15
2	Zn 213.857†	9632.9	8352.4	0.0530 mg/L	0.0530 mg/L	20:54:26

Mean Data: 1210228-03

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3159630.7	1.01 mg/L	0.014			1.42%
Ag 328.068†	-1815.8	0.0045 mg/L	0.00036	0.0045 mg/L	0.00036	7.86%
Al 237.313†	7989.7	0.7527 mg/L	0.01615	0.7527 mg/L	0.01615	2.15%
As 188.979†	-26.1	0.0689 mg/L	0.00004	0.0689 mg/L	0.00004	0.07%
B 182.528†	992.6	1.146 mg/L	0.0095	1.146 mg/L	0.0095	0.83%
B 249.677†	1032.9	1.214 mg/L	0.0159	1.214 mg/L	0.0159	1.31%
Ba 233.527†	87246.4	0.7862 mg/L	0.01193	0.7862 mg/L	0.01193	1.52%
Be 313.107†	-769.8	-0.0003 mg/L	0.00003	-0.0003 mg/L	0.00003	10.24%
Ca 315.887†	20042148.9	142.6 mg/L	1.62	142.6 mg/L	1.62	1.14%
Cd 228.802†	37.1	0.0010 mg/L	0.00014	0.0010 mg/L	0.00014	13.89%
Co 228.616†	50.2	-0.0036 mg/L	0.00044	-0.0036 mg/L	0.00044	12.07%
Cr 267.716†	2220.4	0.0174 mg/L	0.00012	0.0174 mg/L	0.00012	0.71%
Cu 324.752†	533.9	0.0004 mg/L	0.00030	0.0004 mg/L	0.00030	79.46%
Fe 234.349†	131995.1	208.2 mg/L	3.21	208.2 mg/L	3.21	1.54%
Fe 238.204†	26051029.7	166.1 mg/L	1.94	166.1 mg/L	1.94	1.17%
K 766.490†	83393.6	62.20 mg/L	0.950	62.20 mg/L	0.950	1.53%
Li 670.784†	175.4	0.0112 mg/L	0.00176	0.0112 mg/L	0.00176	15.69%
Mg 279.077†	372886.3	22.00 mg/L	0.391	22.00 mg/L	0.391	1.78%
Mn 257.610†	1044680.9	1.210 mg/L	0.0210	1.210 mg/L	0.0210	1.73%
Mo 202.031†	265.6	-0.0542 mg/L	0.00011	-0.0542 mg/L	0.00011	0.21%
Na 589.592†	348968.6	96.22 mg/L	1.473	96.22 mg/L	1.473	1.53%
Ni 231.604†	529.0	0.0085 mg/L	0.00020	0.0085 mg/L	0.00020	2.34%
P 214.914†	1055.6	0.9340 mg/L	0.00253	0.9340 mg/L	0.00253	0.27%
Pb 220.353†	-184.1	-0.0139 mg/L	0.00097	-0.0139 mg/L	0.00097	6.97%
Sb 206.836†	57.9	-0.0612 mg/L	0.00009	-0.0612 mg/L	0.00009	0.14%
Se 196.026†	-83.5	0.0379 mg/L	0.00290	0.0379 mg/L	0.00290	7.65%
Sn 189.927†	-594.4	0.5287 mg/L	0.01006	0.5287 mg/L	0.01006	1.90%
Sr 407.771†	430893.4	0.7370 mg/L	0.01161	0.7370 mg/L	0.01161	1.57%
Ti 337.279†	1036.3	0.0024 mg/L	0.00004	0.0024 mg/L	0.00004	1.70%
Tl 190.801†	15.4	-0.1156 mg/L	0.00276	-0.1156 mg/L	0.00276	2.38%
V 292.402†	6816.1	-0.0059 mg/L	0.00021	-0.0059 mg/L	0.00021	3.53%
Zn 213.857†	8435.2	0.0536 mg/L	0.00079	0.0536 mg/L	0.00079	1.47%

Sequence No.: 61
Sample ID: CCV1
Analyst:
Initial Sample Wt:

Autosampler Location: 3
Date Collected: 10/11/2012 8:56:02 PM
Data Type: Original
Initial Sample Vol:

Replicate Data: CCV1

Repl#	Analyte	Net	Corrected	Calib.		Sample		Analysis
		Intensity	Intensity	Conc.	Units	Conc.	Units	Time
1	B 249.677†	498.6	465.0	0.5463	mg/L	0.5463	mg/L	20:57:54
1	Fe 234.349†	1919.1	1797.3	2.826	mg/L	2.826	mg/L	20:57:54
1	K 766.490†	36920.3	34351.6	25.65	mg/L	25.65	mg/L	20:57:44
1	Li 670.784†	9387.1	9001.7	0.5185	mg/L	0.5185	mg/L	20:57:54
1	Na 589.592†	100294.9	94443.7	25.98	mg/L	25.98	mg/L	20:57:44
1	Sr 407.771†	33258.4	31112.5	0.0532	mg/L	0.0532	mg/L	20:57:44
1	Y 371.029	3331343.1	3331343.1	1.07	mg/L			20:58:12
1	Ag 328.068†	45537.8	40709.5	0.2526	mg/L	0.2526	mg/L	20:58:12
1	Al 237.313†	28280.0	26695.0	2.559	mg/L	2.559	mg/L	20:58:22
1	As 188.979†	703.1	652.2	0.5117	mg/L	0.5117	mg/L	20:58:22
1	B 182.528†	469.6	447.5	0.5174	mg/L	0.5174	mg/L	20:58:22
1	Ba 233.527†	60759.0	57103.9	0.5138	mg/L	0.5138	mg/L	20:58:12
1	Be 313.107†	110906.1	105017.9	0.0507	mg/L	0.0507	mg/L	20:58:12
1	Ca 315.887†	768601.0	719986.5	5.111	mg/L	5.111	mg/L	20:58:12
1	Cd 228.802†	10122.8	9409.8	0.2471	mg/L	0.2471	mg/L	20:58:22
1	Co 228.616†	31708.6	29800.8	0.5143	mg/L	0.5143	mg/L	20:58:22
1	Cr 267.716†	67896.2	63101.5	0.5084	mg/L	0.5084	mg/L	20:58:12
1	Cu 324.752†	124269.9	114889.7	0.5064	mg/L	0.5064	mg/L	20:58:12
1	Fe 238.204†	437858.0	410172.0	2.606	mg/L	2.606	mg/L	20:58:12
1	Mg 279.077†	93600.8	87541.3	5.145	mg/L	5.145	mg/L	20:58:12
1	Mn 257.610†	468340.9	439097.3	0.5077	mg/L	0.5077	mg/L	20:58:12
1	Mo 202.031†	13717.3	12888.9	0.4981	mg/L	0.4981	mg/L	20:58:22
1	Ni 231.604†	26262.9	24644.6	0.5193	mg/L	0.5193	mg/L	20:58:12
1	P 214.914†	13629.1	12530.0	5.083	mg/L	5.083	mg/L	20:58:22
1	Pb 220.353†	9111.9	8540.0	0.5066	mg/L	0.5066	mg/L	20:58:22
1	Sb 206.836†	1009.6	912.1	0.5135	mg/L	0.5135	mg/L	20:58:22
1	Se 196.026†	1731.8	1627.6	1.035	mg/L	1.035	mg/L	20:58:22
1	Sn 189.927†	4144.9	3893.7	0.5177	mg/L	0.5177	mg/L	20:58:22
1	Ti 337.279†	444077.4	417974.5	0.5014	mg/L	0.5014	mg/L	20:58:12
1	Tl 190.801†	998.0	929.2	0.5025	mg/L	0.5025	mg/L	20:58:22
1	V 292.402†	115833.5	109661.3	0.5105	mg/L	0.5105	mg/L	20:58:12
1	Zn 213.857†	81374.8	75303.1	0.5021	mg/L	0.5021	mg/L	20:58:12
2	B 249.677†	492.0	455.0	0.5347	mg/L	0.5347	mg/L	20:58:07
2	Fe 234.349†	1900.0	1765.1	2.775	mg/L	2.775	mg/L	20:58:07
2	K 766.490†	36785.4	33948.3	25.35	mg/L	25.35	mg/L	20:57:57
2	Li 670.784†	9423.4	8964.9	0.5164	mg/L	0.5164	mg/L	20:58:07
2	Na 589.592†	99723.6	93157.4	25.63	mg/L	25.63	mg/L	20:57:57
2	Sr 407.771†	32968.6	30592.4	0.0523	mg/L	0.0523	mg/L	20:57:57
2	Y 371.029	3358249.5	3358249.5	1.07	mg/L			20:58:26
2	Ag 328.068†	45443.8	40279.4	0.2499	mg/L	0.2499	mg/L	20:58:26
2	Al 237.313†	28398.5	26592.7	2.549	mg/L	2.549	mg/L	20:58:36
2	As 188.979†	707.4	650.9	0.5107	mg/L	0.5107	mg/L	20:58:36
2	B 182.528†	476.7	450.6	0.5210	mg/L	0.5210	mg/L	20:58:36
2	Ba 233.527†	60709.1	56600.4	0.5092	mg/L	0.5092	mg/L	20:58:26
2	Be 313.107†	110954.6	104228.9	0.0503	mg/L	0.0503	mg/L	20:58:26
2	Ca 315.887†	766502.0	712250.9	5.056	mg/L	5.056	mg/L	20:58:26
2	Cd 228.802†	10181.2	9388.0	0.2465	mg/L	0.2465	mg/L	20:58:36
2	Co 228.616†	31815.9	29662.3	0.5119	mg/L	0.5119	mg/L	20:58:36
2	Cr 267.716†	67773.9	62476.9	0.5034	mg/L	0.5034	mg/L	20:58:26
2	Cu 324.752†	124125.8	113820.7	0.5016	mg/L	0.5016	mg/L	20:58:26
2	Fe 238.204†	435700.8	404869.9	2.573	mg/L	2.573	mg/L	20:58:26
2	Mg 279.077†	93661.8	86894.0	5.107	mg/L	5.107	mg/L	20:58:26
2	Mn 257.610†	466862.7	434198.2	0.5020	mg/L	0.5020	mg/L	20:58:26
2	Mo 202.031†	13789.2	12852.7	0.4967	mg/L	0.4967	mg/L	20:58:36
2	Ni 231.604†	26078.2	24275.0	0.5115	mg/L	0.5115	mg/L	20:58:26
2	P 214.914†	13666.7	12462.6	5.056	mg/L	5.056	mg/L	20:58:36
2	Pb 220.353†	9162.8	8518.9	0.5053	mg/L	0.5053	mg/L	20:58:36
2	Sb 206.836†	1003.7	899.0	0.5061	mg/L	0.5061	mg/L	20:58:36
2	Se 196.026†	1730.9	1613.8	1.026	mg/L	1.026	mg/L	20:58:36
2	Sn 189.927†	4146.5	3864.0	0.5137	mg/L	0.5137	mg/L	20:58:36
2	Ti 337.279†	443693.9	414277.3	0.4969	mg/L	0.4969	mg/L	20:58:26
2	Tl 190.801†	987.3	911.7	0.4929	mg/L	0.4929	mg/L	20:58:36
2	V 292.402†	115417.2	108402.4	0.5047	mg/L	0.5047	mg/L	20:58:26
2	Zn 213.857†	81293.8	74615.6	0.4975	mg/L	0.4975	mg/L	20:58:26

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3344796.3	1.07 mg/L	0.006			0.57%
Ag 328.068†	40494.5	0.2512 mg/L	0.00189	0.2512 mg/L	0.00189	0.75%
	QC value within limits for Ag 328.068	Recovery = 100.50%				
Al 237.313†	26643.9	2.554 mg/L	0.0070	2.554 mg/L	0.0070	0.27%
	QC value within limits for Al 237.313	Recovery = 102.16%				
As 188.979†	651.6	0.5112 mg/L	0.00074	0.5112 mg/L	0.00074	0.14%
	QC value within limits for As 188.979	Recovery = 102.24%				
B 182.528†	449.1	0.5192 mg/L	0.00250	0.5192 mg/L	0.00250	0.48%
	QC value within limits for B 182.528	Recovery = 103.84%				
B 249.677†	460.0	0.5405 mg/L	0.00823	0.5405 mg/L	0.00823	1.52%
	QC value within limits for B 249.677	Recovery = 108.10%				
Ba 233.527†	56852.2	0.5115 mg/L	0.00321	0.5115 mg/L	0.00321	0.63%
	QC value within limits for Ba 233.527	Recovery = 102.30%				
Be 313.107†	104623.4	0.0505 mg/L	0.00027	0.0505 mg/L	0.00027	0.53%
	QC value within limits for Be 313.107	Recovery = 101.06%				
Ca 315.887†	716118.7	5.083 mg/L	0.0389	5.083 mg/L	0.0389	0.77%
	QC value within limits for Ca 315.887	Recovery = 101.67%				
Cd 228.802†	9398.9	0.2468 mg/L	0.00040	0.2468 mg/L	0.00040	0.16%
	QC value within limits for Cd 228.802	Recovery = 98.72%				
Co 228.616†	29731.6	0.5131 mg/L	0.00170	0.5131 mg/L	0.00170	0.33%
	QC value within limits for Co 228.616	Recovery = 102.62%				
Cr 267.716†	62789.2	0.5059 mg/L	0.00356	0.5059 mg/L	0.00356	0.70%
	QC value within limits for Cr 267.716	Recovery = 101.18%				
Cu 324.752†	114355.2	0.5040 mg/L	0.00334	0.5040 mg/L	0.00334	0.66%
	QC value within limits for Cu 324.752	Recovery = 100.80%				
Fe 234.349†	1781.2	2.800 mg/L	0.0359	2.800 mg/L	0.0359	1.28%
	QC value greater than the upper limit for Fe 234.349	Recovery = 112.02%				
Fe 238.204†	407521.0	2.590 mg/L	0.0239	2.590 mg/L	0.0239	0.92%
	QC value within limits for Fe 238.204	Recovery = 103.58%				
K 766.490†	34150.0	25.50 mg/L	0.213	25.50 mg/L	0.213	0.83%
	QC value within limits for K 766.490	Recovery = 101.98%				
Li 670.784†	8983.3	0.5174 mg/L	0.00150	0.5174 mg/L	0.00150	0.29%
	QC value within limits for Li 670.784	Recovery = 103.48%				
Mg 279.077†	87217.6	5.126 mg/L	0.0270	5.126 mg/L	0.0270	0.53%
	QC value within limits for Mg 279.077	Recovery = 102.53%				
Mn 257.610†	436647.7	0.5048 mg/L	0.00402	0.5048 mg/L	0.00402	0.80%
	QC value within limits for Mn 257.610	Recovery = 100.96%				
Mo 202.031†	12870.8	0.4974 mg/L	0.00098	0.4974 mg/L	0.00098	0.20%
	QC value within limits for Mo 202.031	Recovery = 99.48%				
Na 589.592†	93800.5	25.81 mg/L	0.251	25.81 mg/L	0.251	0.97%
	QC value within limits for Na 589.592	Recovery = 103.23%				
Ni 231.604†	24459.8	0.5154 mg/L	0.00553	0.5154 mg/L	0.00553	1.07%
	QC value within limits for Ni 231.604	Recovery = 103.07%				
P 214.914†	12496.3	5.069 mg/L	0.0193	5.069 mg/L	0.0193	0.38%
	QC value within limits for P 214.914	Recovery = 101.39%				
Pb 220.353†	8529.4	0.5059 mg/L	0.00088	0.5059 mg/L	0.00088	0.17%
	QC value within limits for Pb 220.353	Recovery = 101.19%				
Sb 206.836†	905.5	0.5098 mg/L	0.00522	0.5098 mg/L	0.00522	1.02%
	QC value within limits for Sb 206.836	Recovery = 101.96%				
Se 196.026†	1620.7	1.030 mg/L	0.0062	1.030 mg/L	0.0062	0.60%
	QC value within limits for Se 196.026	Recovery = 103.02%				
Sn 189.927†	3878.9	0.5157 mg/L	0.00287	0.5157 mg/L	0.00287	0.56%
	QC value within limits for Sn 189.927	Recovery = 103.14%				
Sr 407.771†	30852.4	0.0528 mg/L	0.00063	0.0528 mg/L	0.00063	1.19%
	QC value within limits for Sr 407.771	Recovery = 105.55%				
Ti 337.279†	416125.9	0.4992 mg/L	0.00313	0.4992 mg/L	0.00313	0.63%
	QC value within limits for Ti 337.279	Recovery = 99.83%				
Tl 190.801†	920.5	0.4977 mg/L	0.00679	0.4977 mg/L	0.00679	1.36%
	QC value within limits for Tl 190.801	Recovery = 99.55%				
V 292.402†	109031.8	0.5076 mg/L	0.00410	0.5076 mg/L	0.00410	0.81%
	QC value within limits for V 292.402	Recovery = 101.53%				
Zn 213.857†	74959.4	0.4998 mg/L	0.00325	0.4998 mg/L	0.00325	0.65%
	QC value within limits for Zn 213.857	Recovery = 99.96%				
QC Failed. Continue with analysis.						

Sequence No.: 62

Sample ID: CCB1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 1

Date Collected: 10/11/2012 9:00:15 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

 Replicate Data: CCB1

Repl#	Analyte	Net	Corrected	Calib.	Sample	Analysis
		Intensity	Intensity	Conc. Units	Conc. Units	Time
1	B 249.677†	4.7	1.1	0.0025 mg/L	0.0025 mg/L	21:02:14
1	Fe 234.349†	7.7	2.8	0.0052 mg/L	0.0052 mg/L	21:02:14
1	K 766.490†	386.6	42.4	0.0765 mg/L	0.0765 mg/L	21:02:04
1	Li 670.784†	-112.1	88.2	0.0062 mg/L	0.0062 mg/L	21:02:04
1	Na 589.592†	56.9	343.6	0.0165 mg/L	0.0165 mg/L	21:02:04
1	Sr 407.771†	125.7	4.9	0.0000 mg/L	0.0000 mg/L	21:02:04
1	Y 371.029	3457332.2	3457332.2	1.11 mg/L		21:02:38
1	Ag 328.068†	2051.1	-183.7	-0.0014 mg/L	-0.0014 mg/L	21:02:41
1	Al 237.313†	-158.0	4.3	-0.0163 mg/L	-0.0163 mg/L	21:02:41
1	As 188.979†	15.4	6.1	0.0066 mg/L	0.0066 mg/L	21:02:51
1	B 182.528†	-11.6	-3.8	-0.0026 mg/L	-0.0026 mg/L	21:02:51
1	Ba 233.527†	-48.3	22.8	-0.0014 mg/L	-0.0014 mg/L	21:02:51
1	Be 313.107†	-898.6	92.3	0.0001 mg/L	0.0001 mg/L	21:02:41
1	Ca 315.887†	1573.9	-112.3	-0.0144 mg/L	-0.0144 mg/L	21:02:41
1	Cd 228.802†	95.2	-6.9	-0.0003 mg/L	-0.0003 mg/L	21:02:51
1	Co 228.616†	-25.5	11.4	-0.0043 mg/L	-0.0043 mg/L	21:02:51
1	Cr 267.716†	618.6	-76.4	-0.0012 mg/L	-0.0012 mg/L	21:02:41
1	Cu 324.752†	1960.8	5.1	-0.0020 mg/L	-0.0020 mg/L	21:02:41
1	Fe 238.204†	1587.7	570.0	-0.0056 mg/L	-0.0056 mg/L	21:02:41
1	Mg 279.077†	291.3	-62.8	-0.0311 mg/L	-0.0311 mg/L	21:02:41
1	Mn 257.610†	585.4	-27.1	-0.0022 mg/L	-0.0022 mg/L	21:02:41
1	Mo 202.031†	6.1	17.3	0.0010 mg/L	0.0010 mg/L	21:02:51
1	Ni 231.604†	33.7	20.8	-0.0023 mg/L	-0.0023 mg/L	21:02:41
1	P 214.914†	278.9	-12.0	0.0107 mg/L	0.0107 mg/L	21:02:51
1	Pb 220.353†	-1.7	-15.3	-0.0035 mg/L	-0.0035 mg/L	21:02:51
1	Sb 206.836†	50.0	9.5	0.0039 mg/L	0.0039 mg/L	21:02:51
1	Se 196.026†	-1.4	0.7	0.0025 mg/L	0.0025 mg/L	21:02:51
1	Sn 189.927†	-13.0	-9.1	-0.0034 mg/L	-0.0034 mg/L	21:02:51
1	Ti 337.279†	-965.2	224.8	0.0014 mg/L	0.0014 mg/L	21:02:41
1	Tl 190.801†	6.0	-2.3	-0.0072 mg/L	-0.0072 mg/L	21:02:51
1	V 292.402†	-1041.7	-19.4	0.0020 mg/L	0.0020 mg/L	21:02:41
1	Zn 213.857†	1152.6	-44.7	-0.0037 mg/L	-0.0037 mg/L	21:02:51
2	B 249.677†	5.0	1.3	0.0028 mg/L	0.0028 mg/L	21:02:35
2	Fe 234.349†	3.5	-1.1	-0.0009 mg/L	-0.0009 mg/L	21:02:35
2	K 766.490†	414.7	58.8	0.0887 mg/L	0.0887 mg/L	21:02:25
2	Li 670.784†	-103.3	98.4	0.0068 mg/L	0.0068 mg/L	21:02:25
2	Na 589.592†	71.0	354.8	0.0196 mg/L	0.0196 mg/L	21:02:25
2	Sr 407.771†	135.1	10.4	0.0000 mg/L	0.0000 mg/L	21:02:25
2	Y 371.029	3543438.2	3543438.2	1.13 mg/L		21:02:53
2	Ag 328.068†	2060.3	-220.7	-0.0016 mg/L	-0.0016 mg/L	21:02:55
2	Al 237.313†	-187.8	-18.6	-0.0185 mg/L	-0.0185 mg/L	21:02:55
2	As 188.979†	16.0	6.2	0.0067 mg/L	0.0067 mg/L	21:03:06
2	B 182.528†	-4.1	3.1	0.0053 mg/L	0.0053 mg/L	21:03:06
2	Ba 233.527†	-70.3	4.5	-0.0015 mg/L	-0.0015 mg/L	21:03:06
2	Be 313.107†	-956.0	61.4	0.0001 mg/L	0.0001 mg/L	21:02:55
2	Ca 315.887†	1502.6	-209.8	-0.0151 mg/L	-0.0151 mg/L	21:02:55
2	Cd 228.802†	101.1	-3.8	-0.0002 mg/L	-0.0002 mg/L	21:03:06
2	Co 228.616†	-41.0	-1.7	-0.0045 mg/L	-0.0045 mg/L	21:03:06
2	Cr 267.716†	664.9	-49.1	-0.0009 mg/L	-0.0009 mg/L	21:02:55
2	Cu 324.752†	1914.6	-78.7	-0.0023 mg/L	-0.0023 mg/L	21:02:55
2	Fe 238.204†	1531.1	485.1	-0.0061 mg/L	-0.0061 mg/L	21:02:55
2	Mg 279.077†	234.4	-119.5	-0.0344 mg/L	-0.0344 mg/L	21:02:55
2	Mn 257.610†	566.1	-57.0	-0.0022 mg/L	-0.0022 mg/L	21:02:55
2	Mo 202.031†	12.4	22.7	0.0012 mg/L	0.0012 mg/L	21:03:06
2	Ni 231.604†	8.1	-2.5	-0.0028 mg/L	-0.0028 mg/L	21:02:55
2	P 214.914†	253.6	-40.4	-0.0008 mg/L	-0.0008 mg/L	21:03:06
2	Pb 220.353†	7.6	-7.0	-0.0030 mg/L	-0.0030 mg/L	21:03:06
2	Sb 206.836†	36.2	-3.8	-0.0036 mg/L	-0.0036 mg/L	21:03:06
2	Se 196.026†	-1.5	0.6	0.0024 mg/L	0.0024 mg/L	21:03:06
2	Sn 189.927†	-2.9	0.1	-0.0022 mg/L	-0.0022 mg/L	21:03:06
2	Ti 337.279†	-1298.7	-48.3	0.0011 mg/L	0.0011 mg/L	21:02:55
2	Tl 190.801†	6.9	-1.7	-0.0068 mg/L	-0.0068 mg/L	21:03:06
2	V 292.402†	-804.9	212.5	0.0030 mg/L	0.0030 mg/L	21:02:55
2	Zn 213.857†	1149.1	-73.2	-0.0039 mg/L	-0.0039 mg/L	21:03:06

 Mean Data: CCB1

Mean Corrected

Calib

Sample Page 637 of 724

Analyte	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	3500385.2	1.12 mg/L	0.019			1.74%
Ag 328.068†	-202.2	-0.0015 mg/L	0.00016	-0.0015 mg/L	0.00016	10.69%
QC value within limits for Ag 328.068		Recovery =	Not calculated			
Al 237.313†	-7.1	-0.0174 mg/L	0.00156	-0.0174 mg/L	0.00156	8.94%
QC value within limits for Al 237.313		Recovery =	Not calculated			
As 188.979†	6.1	0.0066 mg/L	0.00009	0.0066 mg/L	0.00009	1.39%
QC value within limits for As 188.979		Recovery =	Not calculated			
B 182.528†	-0.4	0.0013 mg/L	0.00556	0.0013 mg/L	0.00556	412.22%
QC value within limits for B 182.528		Recovery =	Not calculated			
B 249.677†	1.2	0.0026 mg/L	0.00015	0.0026 mg/L	0.00015	5.78%
QC value within limits for B 249.677		Recovery =	Not calculated			
Ba 233.527†	13.7	-0.0014 mg/L	0.00012	-0.0014 mg/L	0.00012	8.18%
QC value within limits for Ba 233.527		Recovery =	Not calculated			
Be 313.107†	76.8	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	9.37%
QC value within limits for Be 313.107		Recovery =	Not calculated			
Ca 315.887†	-161.0	-0.0147 mg/L	0.00049	-0.0147 mg/L	0.00049	3.30%
QC value within limits for Ca 315.887		Recovery =	Not calculated			
Cd 228.802†	-5.3	-0.0002 mg/L	0.00006	-0.0002 mg/L	0.00006	26.31%
QC value within limits for Cd 228.802		Recovery =	Not calculated			
Co 228.616†	4.8	-0.0044 mg/L	0.00016	-0.0044 mg/L	0.00016	3.63%
QC value less than the lower limit for Co 228.616		Recovery =	Not calculated			
Cr 267.716†	-62.7	-0.0010 mg/L	0.00016	-0.0010 mg/L	0.00016	14.90%
QC value within limits for Cr 267.716		Recovery =	Not calculated			
Cu 324.752†	-36.8	-0.0021 mg/L	0.00026	-0.0021 mg/L	0.00026	12.22%
QC value within limits for Cu 324.752		Recovery =	Not calculated			
Fe 234.349†	0.9	0.0022 mg/L	0.00432	0.0022 mg/L	0.00432	198.71%
QC value within limits for Fe 234.349		Recovery =	Not calculated			
Fe 238.204†	527.5	-0.0058 mg/L	0.00038	-0.0058 mg/L	0.00038	6.55%
QC value within limits for Fe 238.204		Recovery =	Not calculated			
K 766.490†	50.6	0.0826 mg/L	0.00860	0.0826 mg/L	0.00860	10.41%
QC value within limits for K 766.490		Recovery =	Not calculated			
Li 670.784†	93.3	0.0065 mg/L	0.00042	0.0065 mg/L	0.00042	6.42%
QC value within limits for Li 670.784		Recovery =	Not calculated			
Mg 279.077†	-91.2	-0.0327 mg/L	0.00237	-0.0327 mg/L	0.00237	7.22%
QC value less than the lower limit for Mg 279.077		Recovery =	Not calculated			
Mn 257.610†	-42.1	-0.0022 mg/L	0.00002	-0.0022 mg/L	0.00002	1.10%
QC value within limits for Mn 257.610		Recovery =	Not calculated			
Mo 202.031†	20.0	0.0011 mg/L	0.00015	0.0011 mg/L	0.00015	13.45%
QC value within limits for Mo 202.031		Recovery =	Not calculated			
Na 589.592†	349.2	0.0181 mg/L	0.00219	0.0181 mg/L	0.00219	12.11%
QC value within limits for Na 589.592		Recovery =	Not calculated			
Ni 231.604†	9.1	-0.0025 mg/L	0.00035	-0.0025 mg/L	0.00035	13.87%
QC value less than the lower limit for Ni 231.604		Recovery =	Not calculated			
P 214.914†	-26.2	0.0050 mg/L	0.00814	0.0050 mg/L	0.00814	162.99%
QC value within limits for P 214.914		Recovery =	Not calculated			
Pb 220.353†	-11.2	-0.0033 mg/L	0.00035	-0.0033 mg/L	0.00035	10.69%
QC value within limits for Pb 220.353		Recovery =	Not calculated			
Sb 206.836†	2.9	0.0002 mg/L	0.00529	0.0002 mg/L	0.00529	>999.9%
QC value within limits for Sb 206.836		Recovery =	Not calculated			
Se 196.026†	0.7	0.0025 mg/L	0.00004	0.0025 mg/L	0.00004	1.56%
QC value within limits for Se 196.026		Recovery =	Not calculated			
Sn 189.927†	-4.5	-0.0028 mg/L	0.00085	-0.0028 mg/L	0.00085	30.14%
QC value within limits for Sn 189.927		Recovery =	Not calculated			
Sr 407.771†	7.7	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	35.19%
QC value within limits for Sr 407.771		Recovery =	Not calculated			
Ti 337.279†	88.3	0.0013 mg/L	0.00023	0.0013 mg/L	0.00023	17.98%
QC value greater than the upper limit for Ti 337.279		Recovery =	Not calculated			
Tl 190.801†	-2.0	-0.0070 mg/L	0.00026	-0.0070 mg/L	0.00026	3.75%
QC value within limits for Tl 190.801		Recovery =	Not calculated			
V 292.402†	96.6	0.0025 mg/L	0.00075	0.0025 mg/L	0.00075	30.21%
QC value greater than the upper limit for V 292.402		Recovery =	Not calculated			
Zn 213.857†	-58.9	-0.0038 mg/L	0.00013	-0.0038 mg/L	0.00013	3.54%
QC value within limits for Zn 213.857		Recovery =	Not calculated			

QC Failed. Continue with analysis.

User canceled analysis.

=====
Analysis Begun

Start Time: 10/11/2012 9:03:34 PM

Plasma On Time: 10/11/2012 7:37:31 AM

Logged In Analyst: ICP3

Technique: ICP Continuous

Spectrometer Model: Optima 4300 DV, S/N 077N1032302Autosampler Model: AS-91

Batch ID:

Results Data Set: 101112NBD

Results Library: C:\pe\ICP3\Results\Results.mdb

Sequence No.: 61

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/11/2012 9:03:34 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	487.0	452.2	0.5314 mg/L	0.5314 mg/L	0.5314 mg/L	21:05:27
1	Fe 234.349†	1835.0	1711.6	2.691 mg/L	2.691 mg/L	2.691 mg/L	21:05:27
1	K 766.490†	36343.2	33675.2	25.14 mg/L	25.14 mg/L	25.14 mg/L	21:05:17
1	Li 670.784†	9281.3	8867.9	0.5108 mg/L	0.5108 mg/L	0.5108 mg/L	21:05:27
1	Na 589.592†	98578.2	92466.8	25.44 mg/L	25.44 mg/L	25.44 mg/L	21:05:17
1	Sr 407.771†	32362.8	30151.8	0.0516 mg/L	0.0516 mg/L	0.0516 mg/L	21:05:17
1	Y 371.029	3344549.3	3344549.3	1.07 mg/L	1.07 mg/L	1.07 mg/L	21:05:45
1	Ag 328.068†	45239.1	40261.4	0.2498 mg/L	0.2498 mg/L	0.2498 mg/L	21:05:45
1	Al 237.313†	27696.2	26044.3	2.496 mg/L	2.496 mg/L	2.496 mg/L	21:05:56
1	As 188.979†	688.1	635.6	0.4987 mg/L	0.4987 mg/L	0.4987 mg/L	21:05:56
1	B 182.528†	450.3	427.7	0.4946 mg/L	0.4946 mg/L	0.4946 mg/L	21:05:56
1	Ba 233.527†	60365.3	56510.5	0.5084 mg/L	0.5084 mg/L	0.5084 mg/L	21:05:45
1	Be 313.107†	111088.4	104777.2	0.0506 mg/L	0.0506 mg/L	0.0506 mg/L	21:05:45
1	Ca 315.887†	764045.3	712877.7	5.060 mg/L	5.060 mg/L	5.060 mg/L	21:05:45
1	Cd 228.802†	9957.8	9217.9	0.2420 mg/L	0.2420 mg/L	0.2420 mg/L	21:05:56
1	Co 228.616†	31091.6	29106.3	0.5022 mg/L	0.5022 mg/L	0.5022 mg/L	21:05:56
1	Cr 267.716†	67575.8	62550.2	0.5039 mg/L	0.5039 mg/L	0.5039 mg/L	21:05:45
1	Cu 324.752†	123766.4	113958.2	0.5022 mg/L	0.5022 mg/L	0.5022 mg/L	21:05:45
1	Fe 238.204†	429024.7	400289.5	2.543 mg/L	2.543 mg/L	2.543 mg/L	21:05:45
1	Mg 279.077†	93495.6	87095.9	5.119 mg/L	5.119 mg/L	5.119 mg/L	21:05:45
1	Mn 257.610†	466599.6	435733.1	0.5038 mg/L	0.5038 mg/L	0.5038 mg/L	21:05:45
1	Mo 202.031†	13465.9	12602.9	0.4871 mg/L	0.4871 mg/L	0.4871 mg/L	21:05:56
1	Ni 231.604†	26066.5	24363.6	0.5133 mg/L	0.5133 mg/L	0.5133 mg/L	21:05:45
1	P 214.914†	13268.1	12142.0	4.926 mg/L	4.926 mg/L	4.926 mg/L	21:05:56
1	Pb 220.353†	8992.4	8394.5	0.4979 mg/L	0.4979 mg/L	0.4979 mg/L	21:05:56
1	Sb 206.836†	979.7	880.3	0.4956 mg/L	0.4956 mg/L	0.4956 mg/L	21:05:56
1	Se 196.026†	1672.4	1565.7	0.9953 mg/L	0.9953 mg/L	0.9953 mg/L	21:05:56
1	Sn 189.927†	4049.6	3789.2	0.5036 mg/L	0.5036 mg/L	0.5036 mg/L	21:05:56
1	Ti 337.279†	442621.4	414967.1	0.4978 mg/L	0.4978 mg/L	0.4978 mg/L	21:05:45
1	Tl 190.801†	973.4	902.5	0.4879 mg/L	0.4879 mg/L	0.4879 mg/L	21:05:56
1	V 292.402†	115356.3	108785.7	0.5064 mg/L	0.5064 mg/L	0.5064 mg/L	21:05:45
1	Zn 213.857†	81131.3	74773.8	0.4986 mg/L	0.4986 mg/L	0.4986 mg/L	21:05:45
2	B 249.677†	485.9	451.4	0.5304 mg/L	0.5304 mg/L	0.5304 mg/L	21:05:40
2	Fe 234.349†	1824.7	1702.5	2.676 mg/L	2.676 mg/L	2.676 mg/L	21:05:40
2	K 766.490†	36290.8	33638.0	25.11 mg/L	25.11 mg/L	25.11 mg/L	21:05:30
2	Li 670.784†	9242.3	8834.5	0.5089 mg/L	0.5089 mg/L	0.5089 mg/L	21:05:40
2	Na 589.592†	98324.2	92261.4	25.38 mg/L	25.38 mg/L	25.38 mg/L	21:05:30
2	Sr 407.771†	32328.6	30130.3	0.0515 mg/L	0.0515 mg/L	0.0515 mg/L	21:05:30
2	Y 371.029	3343379.8	3343379.8	1.07 mg/L	1.07 mg/L	1.07 mg/L	21:05:59
2	Ag 328.068†	45063.8	40112.2	0.2489 mg/L	0.2489 mg/L	0.2489 mg/L	21:05:59
2	Al 237.313†	28032.4	26367.8	2.527 mg/L	2.527 mg/L	2.527 mg/L	21:06:09
2	As 188.979†	699.2	646.1	0.5069 mg/L	0.5069 mg/L	0.5069 mg/L	21:06:09
2	B 182.528†	462.7	439.5	0.5082 mg/L	0.5082 mg/L	0.5082 mg/L	21:06:09
2	Ba 233.527†	60216.0	56390.7	0.5073 mg/L	0.5073 mg/L	0.5073 mg/L	21:05:59
2	Be 313.107†	111036.0	104764.6	0.0506 mg/L	0.0506 mg/L	0.0506 mg/L	21:05:59
2	Ca 315.887†	760272.4	709598.6	5.037 mg/L	5.037 mg/L	5.037 mg/L	21:05:59
2	Cd 228.802†	10023.3	9282.5	0.2437 mg/L	0.2437 mg/L	0.2437 mg/L	21:06:09
2	Co 228.616†	31358.2	29365.9	0.5067 mg/L	0.5067 mg/L	0.5067 mg/L	21:06:09
2	Cr 267.716†	67351.1	62362.1	0.5024 mg/L	0.5024 mg/L	0.5024 mg/L	21:05:59
2	Cu 324.752†	123973.0	114191.9	0.5033 mg/L	0.5033 mg/L	0.5033 mg/L	21:05:59
2	Fe 238.204†	428140.8	399603.1	2.539 mg/L	2.539 mg/L	2.539 mg/L	21:05:59
2	Mg 279.077†	92969.3	86634.2	5.092 mg/L	5.092 mg/L	5.092 mg/L	21:05:59
2	Mn 257.610†	465658.8	435005.7	0.5029 mg/L	0.5029 mg/L	0.5029 mg/L	21:05:59
2	Mo 202.031†	13602.3	12734.9	0.4922 mg/L	0.4922 mg/L	0.4922 mg/L	21:06:09
2	Ni 231.604†	26005.6	24315.1	0.5123 mg/L	0.5123 mg/L	0.5123 mg/L	21:05:59
2	P 214.914†	13432.3	12299.9	4.990 mg/L	4.990 mg/L	4.990 mg/L	21:06:09

2	Pb 220.353†	9029.6	8432.2	0.5001 mg/L	0.5001 mg/L	21:06:09
2	Sb 206.836†	992.6	892.7	0.5026 mg/L	0.5026 mg/L	21:06:09
2	Se 196.026†	1687.1	1580.0	1.004 mg/L	1.004 mg/L	21:06:09
2	Sn 189.927†	4068.7	3808.4	0.5061 mg/L	0.5061 mg/L	21:06:09
2	Ti 337.279†	443109.3	415568.2	0.4985 mg/L	0.4985 mg/L	21:05:59
2	Tl 190.801†	976.7	905.9	0.4898 mg/L	0.4898 mg/L	21:06:09
2	V 292.402†	115288.7	108760.2	0.5064 mg/L	0.5064 mg/L	21:05:59
2	Zn 213.857†	80875.6	74561.1	0.4971 mg/L	0.4971 mg/L	21:05:59

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3343964.5	1.07 mg/L	0.000			0.02%
Ag 328.068†	40186.8	0.2493 mg/L	0.00066	0.2493 mg/L	0.00066	0.26%
QC value within limits for Ag 328.068		Recovery = 99.73%				
Al 237.313†	26206.1	2.512 mg/L	0.0220	2.512 mg/L	0.0220	0.88%
QC value within limits for Al 237.313		Recovery = 100.48%				
As 188.979†	640.9	0.5028 mg/L	0.00583	0.5028 mg/L	0.00583	1.16%
QC value within limits for As 188.979		Recovery = 100.56%				
B 182.528†	433.6	0.5014 mg/L	0.00961	0.5014 mg/L	0.00961	1.92%
QC value within limits for B 182.528		Recovery = 100.28%				
B 249.677†	451.8	0.5309 mg/L	0.00074	0.5309 mg/L	0.00074	0.14%
QC value within limits for B 249.677		Recovery = 106.18%				
Ba 233.527†	56450.6	0.5079 mg/L	0.00077	0.5079 mg/L	0.00077	0.15%
QC value within limits for Ba 233.527		Recovery = 101.57%				
Be 313.107†	104770.9	0.0506 mg/L	0.00000	0.0506 mg/L	0.00000	0.01%
QC value within limits for Be 313.107		Recovery = 101.20%				
Ca 315.887†	711238.2	5.049 mg/L	0.0165	5.049 mg/L	0.0165	0.33%
QC value within limits for Ca 315.887		Recovery = 100.97%				
Cd 228.802†	9250.2	0.2429 mg/L	0.00118	0.2429 mg/L	0.00118	0.49%
QC value within limits for Cd 228.802		Recovery = 97.15%				
Co 228.616†	29236.1	0.5045 mg/L	0.00320	0.5045 mg/L	0.00320	0.63%
QC value within limits for Co 228.616		Recovery = 100.89%				
Cr 267.716†	62456.1	0.5032 mg/L	0.00107	0.5032 mg/L	0.00107	0.21%
QC value within limits for Cr 267.716		Recovery = 100.64%				
Cu 324.752†	114075.1	0.5027 mg/L	0.00073	0.5027 mg/L	0.00073	0.15%
QC value within limits for Cu 324.752		Recovery = 100.55%				
Fe 234.349†	1707.0	2.683 mg/L	0.0101	2.683 mg/L	0.0101	0.38%
QC value within limits for Fe 234.349		Recovery = 107.34%				
Fe 238.204†	399946.3	2.541 mg/L	0.0031	2.541 mg/L	0.0031	0.12%
QC value within limits for Fe 238.204		Recovery = 101.65%				
K 766.490†	33656.6	25.13 mg/L	0.020	25.13 mg/L	0.020	0.08%
QC value within limits for K 766.490		Recovery = 100.51%				
Li 670.784†	8851.2	0.5098 mg/L	0.00136	0.5098 mg/L	0.00136	0.27%
QC value within limits for Li 670.784		Recovery = 101.97%				
Mg 279.077†	86865.1	5.105 mg/L	0.0193	5.105 mg/L	0.0193	0.38%
QC value within limits for Mg 279.077		Recovery = 102.11%				
Mn 257.610†	435369.4	0.5033 mg/L	0.00060	0.5033 mg/L	0.00060	0.12%
QC value within limits for Mn 257.610		Recovery = 100.67%				
Mo 202.031†	12668.9	0.4896 mg/L	0.00362	0.4896 mg/L	0.00362	0.74%
QC value within limits for Mo 202.031		Recovery = 97.92%				
Na 589.592†	92364.1	25.41 mg/L	0.040	25.41 mg/L	0.040	0.16%
QC value within limits for Na 589.592		Recovery = 101.64%				
Ni 231.604†	24339.3	0.5128 mg/L	0.00072	0.5128 mg/L	0.00072	0.14%
QC value within limits for Ni 231.604		Recovery = 102.56%				
P 214.914†	12221.0	4.958 mg/L	0.0452	4.958 mg/L	0.0452	0.91%
QC value within limits for P 214.914		Recovery = 99.16%				
Pb 220.353†	8413.4	0.4990 mg/L	0.00159	0.4990 mg/L	0.00159	0.32%
QC value within limits for Pb 220.353		Recovery = 99.80%				
Sb 206.836†	886.5	0.4991 mg/L	0.00496	0.4991 mg/L	0.00496	0.99%
QC value within limits for Sb 206.836		Recovery = 99.82%				
Se 196.026†	1572.9	0.9998 mg/L	0.00641	0.9998 mg/L	0.00641	0.64%
QC value within limits for Se 196.026		Recovery = 99.98%				
Sn 189.927†	3798.8	0.5048 mg/L	0.00176	0.5048 mg/L	0.00176	0.35%
QC value within limits for Sn 189.927		Recovery = 100.97%				
Sr 407.771†	30141.1	0.0516 mg/L	0.00003	0.0516 mg/L	0.00003	0.05%
QC value within limits for Sr 407.771		Recovery = 103.11%				
Ti 337.279†	415267.6	0.4981 mg/L	0.00051	0.4981 mg/L	0.00051	0.10%
QC value within limits for Ti 337.279		Recovery = 99.63%				
Tl 190.801†	904.2	0.4888 mg/L	0.00132	0.4888 mg/L	0.00132	0.27%
QC value within limits for Tl 190.801		Recovery = 97.77%				
V 292.402†	108773.0	0.5064 mg/L	0.00006	0.5064 mg/L	0.00006	0.01%

QC value within limits for V 292.402 Recovery = 101.28%
 Zn 213.857† 74667.5 0.4979 mg/L 0.00101 0.4979 mg/L 0.00101 0.20%
 QC value within limits for Zn 213.857 Recovery = 99.57%
 All analyte(s) passed QC.

Sequence No.: 62
 Sample ID: CCB1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 1
 Date Collected: 10/11/2012 9:07:48 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	4.0	0.4	0.0017	mg/L	0.0017 mg/L	21:09:45
1	Fe 234.349†	-3.0	-6.9	-0.0101	mg/L	-0.0101 mg/L	21:09:45
1	K 766.490†	327.1	-18.0	0.0314	mg/L	0.0314 mg/L	21:09:35
1	Li 670.784†	-132.5	72.5	0.0053	mg/L	0.0053 mg/L	21:09:35
1	Na 589.592†	-37.8	258.7	-0.0069	mg/L	-0.0069 mg/L	21:09:35
1	Sr 407.771†	126.6	3.1	0.0000	mg/L	0.0000 mg/L	21:09:35
1	Y 371.029	3537452.0	3537452.0	1.13	mg/L		21:10:09
1	Ag 328.068†	2010.4	-261.7	-0.0019	mg/L	-0.0019 mg/L	21:10:11
1	Al 237.313†	-205.5	-34.4	-0.0201	mg/L	-0.0201 mg/L	21:10:11
1	As 188.979†	11.6	2.4	0.0037	mg/L	0.0037 mg/L	21:10:21
1	B 182.528†	-4.7	2.5	0.0046	mg/L	0.0046 mg/L	21:10:21
1	Ba 233.527†	-57.8	15.4	-0.0014	mg/L	-0.0014 mg/L	21:10:21
1	Be 313.107†	-815.0	184.6	0.0002	mg/L	0.0002 mg/L	21:10:11
1	Ca 315.887†	651.2	-960.2	-0.0204	mg/L	-0.0204 mg/L	21:10:11
1	Cd 228.802†	92.3	-11.4	-0.0004	mg/L	-0.0004 mg/L	21:10:21
1	Co 228.616†	-39.2	-0.2	-0.0045	mg/L	-0.0045 mg/L	21:10:21
1	Cr 267.716†	696.4	-20.3	-0.0007	mg/L	-0.0007 mg/L	21:10:11
1	Cu 324.752†	1947.6	-46.7	-0.0022	mg/L	-0.0022 mg/L	21:10:11
1	Fe 238.204†	782.0	-174.8	-0.0103	mg/L	-0.0103 mg/L	21:10:21
1	Mg 279.077†	233.6	-119.8	-0.0344	mg/L	-0.0344 mg/L	21:10:11
1	Mn 257.610†	536.9	-82.0	-0.0023	mg/L	-0.0023 mg/L	21:10:11
1	Mo 202.031†	-5.2	7.2	0.0006	mg/L	0.0006 mg/L	21:10:21
1	Ni 231.604†	21.2	9.0	-0.0025	mg/L	-0.0025 mg/L	21:10:11
1	P 214.914†	247.7	-45.3	-0.0028	mg/L	-0.0028 mg/L	21:10:21
1	Pb 220.353†	-18.4	-30.0	-0.0044	mg/L	-0.0044 mg/L	21:10:21
1	Sb 206.836†	40.6	0.1	-0.0014	mg/L	-0.0014 mg/L	21:10:21
1	Se 196.026†	1.3	3.1	0.0040	mg/L	0.0040 mg/L	21:10:21
1	Sn 189.927†	-0.9	1.9	-0.0020	mg/L	-0.0020 mg/L	21:10:21
1	Ti 337.279†	-1004.4	209.9	0.0014	mg/L	0.0014 mg/L	21:10:11
1	Tl 190.801†	7.7	-0.9	-0.0064	mg/L	-0.0064 mg/L	21:10:21
1	V 292.402†	-1028.5	13.6	0.0021	mg/L	0.0021 mg/L	21:10:11
1	Zn 213.857†	1163.5	-58.7	-0.0038	mg/L	-0.0038 mg/L	21:10:21
2	B 249.677†	0.5	-2.7	-0.0020	mg/L	-0.0020 mg/L	21:10:05
2	Fe 234.349†	-3.7	-7.4	-0.0109	mg/L	-0.0109 mg/L	21:10:05
2	K 766.490†	363.2	9.9	0.0523	mg/L	0.0523 mg/L	21:09:55
2	Li 670.784†	-149.8	58.8	0.0045	mg/L	0.0045 mg/L	21:09:55
2	Na 589.592†	-81.1	221.3	-0.0172	mg/L	-0.0172 mg/L	21:09:55
2	Sr 407.771†	114.4	-8.9	0.0000	mg/L	0.0000 mg/L	21:09:55
2	Y 371.029	3581219.3	3581219.3	1.15	mg/L		21:10:23
2	Ag 328.068†	1983.9	-306.6	-0.0022	mg/L	-0.0022 mg/L	21:10:26
2	Al 237.313†	-182.8	-12.4	-0.0179	mg/L	-0.0179 mg/L	21:10:26
2	As 188.979†	12.3	2.9	0.0041	mg/L	0.0041 mg/L	21:10:36
2	B 182.528†	-4.0	3.2	0.0054	mg/L	0.0054 mg/L	21:10:36
2	Ba 233.527†	-49.5	23.3	-0.0013	mg/L	-0.0013 mg/L	21:10:36
2	Be 313.107†	-865.4	149.4	0.0001	mg/L	0.0001 mg/L	21:10:26
2	Ca 315.887†	652.9	-965.8	-0.0205	mg/L	-0.0205 mg/L	21:10:26
2	Cd 228.802†	89.9	-14.5	-0.0004	mg/L	-0.0004 mg/L	21:10:36
2	Co 228.616†	-20.2	16.8	-0.0042	mg/L	-0.0042 mg/L	21:10:36
2	Cr 267.716†	656.2	-62.9	-0.0010	mg/L	-0.0010 mg/L	21:10:26
2	Cu 324.752†	1941.6	-72.9	-0.0023	mg/L	-0.0023 mg/L	21:10:26
2	Fe 238.204†	929.7	-54.3	-0.0095	mg/L	-0.0095 mg/L	21:10:36
2	Mg 279.077†	212.3	-140.9	-0.0357	mg/L	-0.0357 mg/L	21:10:26
2	Mn 257.610†	508.3	-112.8	-0.0023	mg/L	-0.0023 mg/L	21:10:26
2	Mo 202.031†	-11.9	1.4	0.0004	mg/L	0.0004 mg/L	21:10:36
2	Ni 231.604†	32.9	19.0	-0.0023	mg/L	-0.0023 mg/L	21:10:26
2	P 214.914†	258.2	-38.8	-0.0001	mg/L	-0.0001 mg/L	21:10:36
2	Pb 220.353†	1.3	-12.6	-0.0034	mg/L	-0.0034 mg/L	21:10:36

2	Sb 206.836†	37.9	-2.6	-0.0029 mg/L	-0.0029 mg/L	21:10:36
2	Se 196.026†	0.2	2.1	0.0034 mg/L	0.0034 mg/L	21:10:36
2	Sn 189.927†	8.4	10.0	-0.0009 mg/L	-0.0009 mg/L	21:10:36
2	Ti 337.279†	-922.8	292.1	0.0015 mg/L	0.0015 mg/L	21:10:26
2	Tl 190.801†	8.2	-0.5	-0.0062 mg/L	-0.0062 mg/L	21:10:36
2	V 292.402†	-950.5	92.8	0.0025 mg/L	0.0025 mg/L	21:10:26
2	Zn 213.857†	1147.4	-85.3	-0.0040 mg/L	-0.0040 mg/L	21:10:36

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	3559335.7	1.14 mg/L		0.010			0.87%
Ag 328.068†	-284.2	-0.0020 mg/L		0.00020	-0.0020 mg/L	0.00020	9.70%
QC value within limits for Ag 328.068			Recovery =	Not calculated			
Al 237.313†	-23.4	-0.0190 mg/L		0.00150	-0.0190 mg/L	0.00150	7.88%
QC value within limits for Al 237.313			Recovery =	Not calculated			
As 188.979†	2.7	0.0039 mg/L		0.00028	0.0039 mg/L	0.00028	7.17%
QC value within limits for As 188.979			Recovery =	Not calculated			
B 182.528†	2.8	0.0050 mg/L		0.00056	0.0050 mg/L	0.00056	11.09%
QC value within limits for B 182.528			Recovery =	Not calculated			
B 249.677†	-1.1	-0.0001 mg/L		0.00256	-0.0001 mg/L	0.00256	>999.9%
QC value within limits for B 249.677			Recovery =	Not calculated			
Ba 233.527†	19.4	-0.0014 mg/L		0.00005	-0.0014 mg/L	0.00005	3.63%
QC value within limits for Ba 233.527			Recovery =	Not calculated			
Be 313.107†	167.0	0.0002 mg/L		0.00001	0.0002 mg/L	0.00001	7.72%
QC value within limits for Be 313.107			Recovery =	Not calculated			
Ca 315.887†	-963.0	-0.0204 mg/L		0.00003	-0.0204 mg/L	0.00003	0.13%
QC value within limits for Ca 315.887			Recovery =	Not calculated			
Cd 228.802†	-13.0	-0.0004 mg/L		0.00006	-0.0004 mg/L	0.00006	14.26%
QC value within limits for Cd 228.802			Recovery =	Not calculated			
Co 228.616†	8.3	-0.0044 mg/L		0.00021	-0.0044 mg/L	0.00021	4.80%
QC value less than the lower limit for Co 228.616			Recovery =	Not calculated			
Cr 267.716†	-41.6	-0.0009 mg/L		0.00024	-0.0009 mg/L	0.00024	27.80%
QC value within limits for Cr 267.716			Recovery =	Not calculated			
Cu 324.752†	-59.8	-0.0022 mg/L		0.00008	-0.0022 mg/L	0.00008	3.64%
QC value within limits for Cu 324.752			Recovery =	Not calculated			
Fe 234.349†	-7.2	-0.0105 mg/L		0.00055	-0.0105 mg/L	0.00055	5.28%
QC value within limits for Fe 234.349			Recovery =	Not calculated			
Fe 238.204†	-114.6	-0.0099 mg/L		0.00054	-0.0099 mg/L	0.00054	5.48%
QC value within limits for Fe 238.204			Recovery =	Not calculated			
K 766.490†	-4.0	0.0419 mg/L		0.01472	0.0419 mg/L	0.01472	35.17%
QC value within limits for K 766.490			Recovery =	Not calculated			
Li 670.784†	65.6	0.0049 mg/L		0.00056	0.0049 mg/L	0.00056	11.36%
QC value within limits for Li 670.784			Recovery =	Not calculated			
Mg 279.077†	-130.3	-0.0351 mg/L		0.00088	-0.0351 mg/L	0.00088	2.52%
QC value less than the lower limit for Mg 279.077			Recovery =	Not calculated			
Mn 257.610†	-97.4	-0.0023 mg/L		0.00003	-0.0023 mg/L	0.00003	1.11%
QC value within limits for Mn 257.610			Recovery =	Not calculated			
Mo 202.031†	4.3	0.0005 mg/L		0.00016	0.0005 mg/L	0.00016	29.95%
QC value within limits for Mo 202.031			Recovery =	Not calculated			
Na 589.592†	240.0	-0.0121 mg/L		0.00730	-0.0121 mg/L	0.00730	60.48%
QC value within limits for Na 589.592			Recovery =	Not calculated			
Ni 231.604†	14.0	-0.0024 mg/L		0.00015	-0.0024 mg/L	0.00015	6.22%
QC value less than the lower limit for Ni 231.604			Recovery =	Not calculated			
P 214.914†	-42.0	-0.0015 mg/L		0.00187	-0.0015 mg/L	0.00187	128.70%
QC value within limits for P 214.914			Recovery =	Not calculated			
Pb 220.353†	-21.3	-0.0039 mg/L		0.00074	-0.0039 mg/L	0.00074	18.88%
QC value within limits for Pb 220.353			Recovery =	Not calculated			
Sb 206.836†	-1.2	-0.0021 mg/L		0.00109	-0.0021 mg/L	0.00109	50.90%
QC value within limits for Sb 206.836			Recovery =	Not calculated			
Se 196.026†	2.6	0.0037 mg/L		0.00042	0.0037 mg/L	0.00042	11.35%
QC value within limits for Se 196.026			Recovery =	Not calculated			
Sn 189.927†	5.9	-0.0015 mg/L		0.00076	-0.0015 mg/L	0.00076	51.42%
QC value within limits for Sn 189.927			Recovery =	Not calculated			
Sr 407.771†	-2.9	0.0000 mg/L		0.00001	0.0000 mg/L	0.00001	>999.9%
QC value within limits for Sr 407.771			Recovery =	Not calculated			
Ti 337.279†	251.0	0.0015 mg/L		0.00007	0.0015 mg/L	0.00007	4.70%
QC value greater than the upper limit for Ti 337.279			Recovery =	Not calculated			
Tl 190.801†	-0.7	-0.0063 mg/L		0.00017	-0.0063 mg/L	0.00017	2.67%
QC value within limits for Tl 190.801			Recovery =	Not calculated			
V 292.402†	53.2	0.0023 mg/L		0.00025	0.0023 mg/L	0.00025	11.06%
QC value greater than the upper limit for V 292.402			Recovery =	Not calculated			

Zn 213.857† -72.0 -0.0039 mg/L 0.00013 -0.0039 mg/L 0.00013 3.30%
 QC value within limits for Zn 213.857 Recovery= Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 63 Autosampler Location: 58
 Sample ID: 1210228-04 Date Collected: 10/11/2012 9:12:13 PM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: 1210228-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	34.0	29.2	0.0355 mg/L	0.0355 mg/L	21:14:04
1	Fe 234.349†	10712.9	10181.9	15.96 mg/L	15.96 mg/L	21:14:04
1	K 766.490†	9871.8	9079.3	6.811 mg/L	6.811 mg/L	21:13:54
1	Li 670.784†	88.4	273.6	0.0169 mg/L	0.0169 mg/L	21:13:54
1	Na 589.592†	148568.4	141556.2	38.99 mg/L	38.99 mg/L	21:13:54
1	Sr 407.771†	473971.1	450559.7	0.7706 mg/L	0.7706 mg/L	21:13:54
1	Y 371.029	3288992.4	3288992.4	1.05 mg/L		21:14:25
1	Ag 328.068†	1670.4	-450.7	-0.0018 mg/L	-0.0018 mg/L	21:14:27
1	Al 237.313†	567.5	686.8	0.0495 mg/L	0.0495 mg/L	21:14:27
1	As 188.979†	-9.8	-17.2	-0.0049 mg/L	-0.0049 mg/L	21:14:37
1	B 182.528†	-43.9	-35.1	-0.0386 mg/L	-0.0386 mg/L	21:14:27
1	Ba 233.527†	10803.0	10338.4	0.0918 mg/L	0.0918 mg/L	21:14:27
1	Be 313.107†	-1257.1	-290.3	-0.0001 mg/L	-0.0001 mg/L	21:14:27
1	Ca 315.887†	17966171.6	17081336.6	121.5 mg/L	121.5 mg/L	21:14:22
1	Cd 228.802†	101.2	3.2	0.0001 mg/L	0.0001 mg/L	21:14:37
1	Co 228.616†	949.3	937.1	0.0118 mg/L	0.0118 mg/L	21:14:37
1	Cr 267.716†	507.5	-153.3	-0.0018 mg/L	-0.0018 mg/L	21:14:27
1	Cu 324.752†	2066.7	196.6	-0.0011 mg/L	-0.0011 mg/L	21:14:27
1	Fe 238.204†	2512479.6	2388088.5	15.22 mg/L	15.22 mg/L	21:14:25
1	Mg 279.077†	385678.8	366390.7	21.64 mg/L	21.64 mg/L	21:14:25
1	Mn 257.610†	6812208.5	6476732.5	7.516 mg/L	7.516 mg/L	21:14:25
1	Mo 202.031†	290.8	288.3	0.0065 mg/L	0.0065 mg/L	21:14:37
1	Ni 231.604†	552.3	515.5	0.0082 mg/L	0.0082 mg/L	21:14:37
1	P 214.914†	355.3	73.6	0.0832 mg/L	0.0832 mg/L	21:14:37
1	Pb 220.353†	-66.4	-76.9	-0.0073 mg/L	-0.0073 mg/L	21:14:37
1	Sb 206.836†	49.3	11.2	-0.0023 mg/L	-0.0023 mg/L	21:14:37
1	Se 196.026†	-8.5	-6.1	0.0050 mg/L	0.0050 mg/L	21:14:37
1	Sn 189.927†	-602.9	-570.6	-0.0302 mg/L	-0.0302 mg/L	21:14:37
1	Ti 337.279†	-992.0	154.6	0.0014 mg/L	0.0014 mg/L	21:14:27
1	Tl 190.801†	33.9	24.5	-0.0015 mg/L	-0.0015 mg/L	21:14:37
1	V 292.402†	-765.0	195.5	0.0000 mg/L	0.0000 mg/L	21:14:27
1	Zn 213.857†	7746.6	6278.5	0.0390 mg/L	0.0390 mg/L	21:14:37
2	B 249.677†	31.9	27.0	0.0329 mg/L	0.0329 mg/L	21:14:16
2	Fe 234.349†	10763.7	10174.2	15.95 mg/L	15.95 mg/L	21:14:16
2	K 766.490†	10015.2	9163.3	6.874 mg/L	6.874 mg/L	21:14:06
2	Li 670.784†	260.6	436.0	0.0262 mg/L	0.0262 mg/L	21:14:06
2	Na 589.592†	150617.9	142718.9	39.31 mg/L	39.31 mg/L	21:14:06
2	Sr 407.771†	481072.4	454801.2	0.7778 mg/L	0.7778 mg/L	21:14:06
2	Y 371.029	3307144.5	3307144.5	1.06 mg/L		21:14:44
2	Ag 328.068†	1657.5	-471.6	-0.0020 mg/L	-0.0020 mg/L	21:14:46
2	Al 237.313†	702.8	811.8	0.0615 mg/L	0.0615 mg/L	21:14:46
2	As 188.979†	-1.5	-9.3	0.0013 mg/L	0.0013 mg/L	21:14:57
2	B 182.528†	-41.9	-32.9	-0.0362 mg/L	-0.0362 mg/L	21:14:46
2	Ba 233.527†	10676.7	10162.6	0.0902 mg/L	0.0902 mg/L	21:14:46
2	Be 313.107†	-1287.9	-312.8	-0.0001 mg/L	-0.0001 mg/L	21:14:46
2	Ca 315.887†	18193799.5	17202821.4	122.4 mg/L	122.4 mg/L	21:14:41
2	Cd 228.802†	98.2	-0.2	0.0000 mg/L	0.0000 mg/L	21:14:57
2	Co 228.616†	920.7	905.1	0.0113 mg/L	0.0113 mg/L	21:14:57
2	Cr 267.716†	493.4	-169.4	-0.0019 mg/L	-0.0019 mg/L	21:14:46
2	Cu 324.752†	2008.3	130.6	-0.0014 mg/L	-0.0014 mg/L	21:14:46
2	Fe 238.204†	2527677.4	2389347.3	15.22 mg/L	15.22 mg/L	21:14:44
2	Mg 279.077†	387761.9	366347.8	21.64 mg/L	21.64 mg/L	21:14:44
2	Mn 257.610†	6856290.4	6482864.8	7.523 mg/L	7.523 mg/L	21:14:44
2	Mo 202.031†	293.0	288.8	0.0065 mg/L	0.0065 mg/L	21:14:57
2	Ni 231.604†	546.9	507.4	0.0080 mg/L	0.0080 mg/L	21:14:57
2	P 214.914†	401.4	115.4	0.1000 mg/L	0.1000 mg/L	21:14:57
2	Pb 220.353†	-126.8	-133.7	-0.0107 mg/L	-0.0107 mg/L	21:14:57
2	Sb 206.836†	43.8	5.7	-0.0053 mg/L	-0.0053 mg/L	21:14:57

2	Se 196.026†	-19.9	-16.9	-0.0018 mg/L	-0.0018 mg/L	21:14:57
2	Sn 189.927†	-606.2	-570.6	-0.0303 mg/L	-0.0303 mg/L	21:14:57
2	Ti 337.279†	-949.7	199.9	0.0014 mg/L	0.0014 mg/L	21:14:46
2	Tl 190.801†	42.0	32.0	0.0026 mg/L	0.0026 mg/L	21:14:57
2	V 292.402†	-894.7	76.8	-0.0006 mg/L	-0.0006 mg/L	21:14:46
2	Zn 213.857†	7724.7	6217.3	0.0386 mg/L	0.0386 mg/L	21:14:57

Mean Data: 1210228-04

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3298068.5	1.05 mg/L	0.004			0.39%
Ag 328.068†	-461.2	-0.0019 mg/L	0.00009	-0.0019 mg/L	0.00009	4.89%
Al 237.313†	749.3	0.0555 mg/L	0.00851	0.0555 mg/L	0.00851	15.34%
As 188.979†	-13.2	-0.0018 mg/L	0.00437	-0.0018 mg/L	0.00437	247.24%
B 182.528†	-34.0	-0.0374 mg/L	0.00175	-0.0374 mg/L	0.00175	4.67%
B 249.677†	28.1	0.0342 mg/L	0.00179	0.0342 mg/L	0.00179	5.24%
Ba 233.527†	10250.5	0.0910 mg/L	0.00112	0.0910 mg/L	0.00112	1.23%
Be 313.107†	-301.5	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	10.94%
Ca 315.887†	17142079.0	121.9 mg/L	0.61	121.9 mg/L	0.61	0.50%
Cd 228.802†	1.5	0.0000 mg/L	0.00008	0.0000 mg/L	0.00008	275.54%
Co 228.616†	921.1	0.0116 mg/L	0.00039	0.0116 mg/L	0.00039	3.41%
Cr 267.716†	-161.4	-0.0018 mg/L	0.00009	-0.0018 mg/L	0.00009	5.00%
Cu 324.752†	163.6	-0.0013 mg/L	0.00021	-0.0013 mg/L	0.00021	16.35%
Fe 234.349†	10178.1	15.96 mg/L	0.009	15.96 mg/L	0.009	0.06%
Fe 238.204†	2388717.9	15.22 mg/L	0.006	15.22 mg/L	0.006	0.04%
K 766.490†	9121.3	6.843 mg/L	0.0443	6.843 mg/L	0.0443	0.65%
Li 670.784†	354.8	0.0215 mg/L	0.00660	0.0215 mg/L	0.00660	30.67%
Mg 279.077†	366369.3	21.64 mg/L	0.002	21.64 mg/L	0.002	0.01%
Mn 257.610†	6479798.7	7.519 mg/L	0.0050	7.519 mg/L	0.0050	0.07%
Mo 202.031†	288.6	0.0065 mg/L	0.00002	0.0065 mg/L	0.00002	0.27%
Na 589.592†	142137.6	39.15 mg/L	0.227	39.15 mg/L	0.227	0.58%
Ni 231.604†	511.5	0.0081 mg/L	0.00012	0.0081 mg/L	0.00012	1.48%
P 214.914†	94.5	0.0916 mg/L	0.01193	0.0916 mg/L	0.01193	13.03%
Pb 220.353†	-105.3	-0.0090 mg/L	0.00240	-0.0090 mg/L	0.00240	26.71%
Sb 206.836†	8.5	-0.0038 mg/L	0.00218	-0.0038 mg/L	0.00218	57.48%
Se 196.026†	-11.5	0.0016 mg/L	0.00481	0.0016 mg/L	0.00481	302.17%
Sn 189.927†	-570.6	-0.0302 mg/L	0.00002	-0.0302 mg/L	0.00002	0.08%
Sr 407.771†	452680.4	0.7742 mg/L	0.00513	0.7742 mg/L	0.00513	0.66%
Ti 337.279†	177.2	0.0014 mg/L	0.00004	0.0014 mg/L	0.00004	2.75%
Tl 190.801†	28.3	0.0006 mg/L	0.00293	0.0006 mg/L	0.00293	530.43%
V 292.402†	136.1	-0.0003 mg/L	0.00038	-0.0003 mg/L	0.00038	134.14%
Zn 213.857†	6247.9	0.0388 mg/L	0.00029	0.0388 mg/L	0.00029	0.75%

Sequence No.: 64

Sample ID: 1210228-05

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 59

Date Collected: 10/11/2012 9:16:34 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210228-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	69.9	61.9	0.0739 mg/L	0.0739 mg/L	21:18:25
1	Fe 234.349†	25902.6	24100.5	37.99 mg/L	37.99 mg/L	21:18:15
1	K 766.490†	14638.9	13315.6	9.969 mg/L	9.969 mg/L	21:18:15
1	Li 670.784†	-120.6	77.3	0.0056 mg/L	0.0056 mg/L	21:18:15
1	Na 589.592†	76972.4	71921.8	19.77 mg/L	19.77 mg/L	21:18:15
1	Sr 407.771†	215309.5	200256.0	0.3425 mg/L	0.3425 mg/L	21:18:15
1	Y 371.029	3360547.8	3360547.8	1.07 mg/L		21:18:44
1	Ag 328.068†	1617.2	-534.1	-0.0006 mg/L	-0.0006 mg/L	21:18:46
1	Al 237.313†	2216.5	2209.9	0.1961 mg/L	0.1961 mg/L	21:18:46
1	As 188.979†	22.5	13.1	0.0280 mg/L	0.0280 mg/L	21:18:57
1	B 182.528†	54.8	57.7	0.0682 mg/L	0.0682 mg/L	21:18:57
1	Ba 233.527†	9408.2	8821.7	0.0781 mg/L	0.0781 mg/L	21:18:46
1	Be 313.107†	-1204.6	-215.9	0.0000 mg/L	0.0000 mg/L	21:18:46
1	Ca 315.887†	9336106.0	8686546.3	61.78 mg/L	61.78 mg/L	21:18:42
1	Cd 228.802†	109.7	9.1	0.0001 mg/L	0.0001 mg/L	21:18:57
1	Co 228.616†	1.3	35.6	-0.0039 mg/L	-0.0039 mg/L	21:18:57
1	Cr 267.716†	718.9	33.1	-0.0003 mg/L	-0.0003 mg/L	21:18:46
1	Cu 324.752†	2168.8	249.8	-0.0009 mg/L	-0.0009 mg/L	21:18:46

1	Fe 238.204†	6079227.9	5656399.5	36.05 mg/L	36.05 mg/L	21:18:42
1	Mg 279.077†	167465.5	155515.3	9.169 mg/L	9.169 mg/L	21:18:46
1	Mn 257.610†	3016663.6	2806718.9	3.256 mg/L	3.256 mg/L	21:18:44
1	Mo 202.031†	209.7	206.9	-0.0035 mg/L	-0.0035 mg/L	21:18:57
1	Ni 231.604†	82.8	67.3	-0.0013 mg/L	-0.0013 mg/L	21:18:57
1	P 214.914†	962.4	631.4	0.3608 mg/L	0.3608 mg/L	21:18:57
1	Pb 220.353†	-72.7	-81.5	-0.0076 mg/L	-0.0076 mg/L	21:18:57
1	Sb 206.836†	54.1	14.6	-0.0101 mg/L	-0.0101 mg/L	21:18:57
1	Se 196.026†	-21.6	-18.2	0.0067 mg/L	0.0067 mg/L	21:18:57
1	Sn 189.927†	-481.0	-444.9	0.0505 mg/L	0.0505 mg/L	21:18:57
1	Ti 337.279†	33.2	1128.8	0.0025 mg/L	0.0025 mg/L	21:18:46
1	Tl 190.801†	20.7	11.6	-0.0211 mg/L	-0.0211 mg/L	21:18:57
1	V 292.402†	384.8	1281.0	0.0008 mg/L	0.0008 mg/L	21:18:46
1	Zn 213.857†	7289.9	5696.6	0.0351 mg/L	0.0351 mg/L	21:18:57
2	B 249.677†	66.5	58.7	0.0702 mg/L	0.0702 mg/L	21:18:37
2	Fe 234.349†	25289.1	23525.7	37.08 mg/L	37.08 mg/L	21:18:27
2	K 766.490†	14271.1	12971.1	9.712 mg/L	9.712 mg/L	21:18:27
2	Li 670.784†	-60.4	133.3	0.0088 mg/L	0.0088 mg/L	21:18:27
2	Na 589.592†	75476.9	70518.7	19.38 mg/L	19.38 mg/L	21:18:27
2	Sr 407.771†	210471.1	195721.5	0.3347 mg/L	0.3347 mg/L	21:18:27
2	Y 371.029	3361095.0	3361095.0	1.07 mg/L		21:19:02
2	Ag 328.068†	1521.4	-623.4	-0.0013 mg/L	-0.0013 mg/L	21:19:04
2	Al 237.313†	2381.4	2363.0	0.2108 mg/L	0.2108 mg/L	21:19:04
2	As 188.979†	18.8	9.7	0.0250 mg/L	0.0250 mg/L	21:19:15
2	B 182.528†	52.0	55.0	0.0652 mg/L	0.0652 mg/L	21:19:15
2	Ba 233.527†	9276.1	8697.3	0.0770 mg/L	0.0770 mg/L	21:19:04
2	Be 313.107†	-1064.3	-85.2	0.0000 mg/L	0.0000 mg/L	21:19:04
2	Ca 315.887†	9402289.1	8746711.1	62.21 mg/L	62.21 mg/L	21:19:00
2	Cd 228.802†	107.2	6.8	0.0001 mg/L	0.0001 mg/L	21:19:15
2	Co 228.616†	14.0	47.5	-0.0037 mg/L	-0.0037 mg/L	21:19:15
2	Cr 267.716†	644.4	-36.4	-0.0008 mg/L	-0.0008 mg/L	21:19:04
2	Cu 324.752†	2188.2	267.5	-0.0008 mg/L	-0.0008 mg/L	21:19:04
2	Fe 238.204†	6124418.5	5697525.5	36.31 mg/L	36.31 mg/L	21:19:00
2	Mg 279.077†	165653.3	153803.8	9.068 mg/L	9.068 mg/L	21:19:04
2	Mn 257.610†	3002860.8	2793419.1	3.240 mg/L	3.240 mg/L	21:19:02
2	Mo 202.031†	187.8	186.5	-0.0040 mg/L	-0.0040 mg/L	21:19:15
2	Ni 231.604†	60.8	46.8	-0.0017 mg/L	-0.0017 mg/L	21:19:15
2	P 214.914†	962.9	631.7	0.3588 mg/L	0.3588 mg/L	21:19:15
2	Pb 220.353†	-95.8	-102.9	-0.0089 mg/L	-0.0089 mg/L	21:19:15
2	Sb 206.836†	63.2	23.1	-0.0049 mg/L	-0.0049 mg/L	21:19:15
2	Se 196.026†	-29.0	-25.1	0.0020 mg/L	0.0020 mg/L	21:19:15
2	Sn 189.927†	-443.8	-410.3	0.0524 mg/L	0.0524 mg/L	21:19:15
2	Ti 337.279†	23.3	1119.6	0.0025 mg/L	0.0025 mg/L	21:19:04
2	Tl 190.801†	22.0	12.8	-0.0199 mg/L	-0.0199 mg/L	21:19:15
2	V 292.402†	294.6	1197.0	0.0006 mg/L	0.0006 mg/L	21:19:04
2	Zn 213.857†	7321.2	5724.6	0.0353 mg/L	0.0353 mg/L	21:19:15

Mean Data: 1210228-05

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3360821.4	1.07 mg/L		0.000				0.01%
Ag 328.068†	-578.8	-0.0010 mg/L		0.00044	-0.0010 mg/L		0.00044	45.99%
Al 237.313†	2286.4	0.2034 mg/L		0.01042	0.2034 mg/L		0.01042	5.12%
As 188.979†	11.4	0.0265 mg/L		0.00214	0.0265 mg/L		0.00214	8.09%
B 182.528†	56.4	0.0667 mg/L		0.00217	0.0667 mg/L		0.00217	3.25%
B 249.677†	60.3	0.0721 mg/L		0.00263	0.0721 mg/L		0.00263	3.65%
Ba 233.527†	8759.5	0.0775 mg/L		0.00079	0.0775 mg/L		0.00079	1.02%
Be 313.107†	-150.6	0.0000 mg/L		0.00004	0.0000 mg/L		0.00004	>999.9%
Ca 315.887†	8716628.7	61.99 mg/L		0.303	61.99 mg/L		0.303	0.49%
Cd 228.802†	7.9	0.0001 mg/L		0.00003	0.0001 mg/L		0.00003	30.04%
Co 228.616†	41.6	-0.0038 mg/L		0.00015	-0.0038 mg/L		0.00015	3.88%
Cr 267.716†	-1.7	-0.0005 mg/L		0.00040	-0.0005 mg/L		0.00040	72.90%
Cu 324.752†	258.7	-0.0008 mg/L		0.00006	-0.0008 mg/L		0.00006	6.60%
Fe 234.349†	23813.1	37.53 mg/L		0.642	37.53 mg/L		0.642	1.71%
Fe 238.204†	5676962.5	36.18 mg/L		0.185	36.18 mg/L		0.185	0.51%
K 766.490†	13143.4	9.840 mg/L		0.1815	9.840 mg/L		0.1815	1.84%
Li 670.784†	105.3	0.0072 mg/L		0.00228	0.0072 mg/L		0.00228	31.69%
Mg 279.077†	154659.6	9.119 mg/L		0.0715	9.119 mg/L		0.0715	0.78%
Mn 257.610†	2800069.0	3.248 mg/L		0.0109	3.248 mg/L		0.0109	0.34%
Mo 202.031†	196.7	-0.0037 mg/L		0.00036	-0.0037 mg/L		0.00036	9.62%
Na 589.592†	71220.2	19.58 mg/L		0.274	19.58 mg/L		0.274	1.40%
Ni 231.604†	57.1	-0.0015 mg/L		0.00031	-0.0015 mg/L		0.00031	20.71%

P 214.914†	631.5	0.3598 mg/L	0.00143	0.3598 mg/L	0.00143	0.40%
Pb 220.353†	-92.2	-0.0082 mg/L	0.00091	-0.0082 mg/L	0.00091	11.03%
Sb 206.836†	18.8	-0.0075 mg/L	0.00368	-0.0075 mg/L	0.00368	49.14%
Se 196.026†	-21.6	0.0043 mg/L	0.00337	0.0043 mg/L	0.00337	77.49%
Sn 189.927†	-427.6	0.0515 mg/L	0.00135	0.0515 mg/L	0.00135	2.62%
Sr 407.771†	197988.7	0.3386 mg/L	0.00548	0.3386 mg/L	0.00548	1.62%
Ti 337.279†	1124.2	0.0025 mg/L	0.00001	0.0025 mg/L	0.00001	0.31%
Tl 190.801†	12.2	-0.0205 mg/L	0.00083	-0.0205 mg/L	0.00083	4.06%
V 292.402†	1239.0	0.0007 mg/L	0.00016	0.0007 mg/L	0.00016	23.03%
Zn 213.857†	5710.6	0.0352 mg/L	0.00014	0.0352 mg/L	0.00014	0.38%

Sequence No.: 65

Autosampler Location: 60

Sample ID: 1210228-06

Date Collected: 10/11/2012 9:20:52 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210228-06

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	36.4	30.5	0.0370	mg/L	0.0370	mg/L	21:22:41
1	Fe 234.349†	563.1	516.0	0.7611	mg/L	0.7611	mg/L	21:22:41
1	K 766.490†	8620.9	7656.3	5.751	mg/L	5.751	mg/L	21:22:31
1	Li 670.784†	-9.8	180.5	0.0115	mg/L	0.0115	mg/L	21:22:31
1	Na 589.592†	150750.8	139547.7	38.43	mg/L	38.43	mg/L	21:22:31
1	Sr 407.771†	233463.9	215552.7	0.3687	mg/L	0.3687	mg/L	21:22:31
1	Y 371.029	3385441.1	3385441.1	1.08	mg/L			21:23:01
1	Ag 328.068†	1825.4	-352.8	-0.0024	mg/L	-0.0024	mg/L	21:23:03
1	Al 237.313†	92.5	232.6	0.0057	mg/L	0.0057	mg/L	21:23:03
1	As 188.979†	-9.2	-16.3	-0.0106	mg/L	-0.0106	mg/L	21:23:13
1	B 182.528†	-25.5	-16.9	-0.0177	mg/L	-0.0177	mg/L	21:23:13
1	Ba 233.527†	5020.7	4704.4	0.0409	mg/L	0.0409	mg/L	21:23:13
1	Be 313.107†	-1013.7	-31.4	0.0001	mg/L	0.0001	mg/L	21:23:03
1	Ca 315.887†	9201626.7	8498437.7	60.44	mg/L	60.44	mg/L	21:22:58
1	Cd 228.802†	97.6	-2.9	-0.0001	mg/L	-0.0001	mg/L	21:23:13
1	Co 228.616†	139.5	163.3	-0.0017	mg/L	-0.0017	mg/L	21:23:13
1	Cr 267.716†	533.9	-142.7	-0.0017	mg/L	-0.0017	mg/L	21:23:03
1	Cu 324.752†	2253.5	313.2	-0.0006	mg/L	-0.0006	mg/L	21:23:03
1	Fe 238.204†	121115.0	111013.5	0.6985	mg/L	0.6985	mg/L	21:23:03
1	Mg 279.077†	194439.6	179286.6	10.59	mg/L	10.59	mg/L	21:23:03
1	Mn 257.610†	7022927.3	6486850.3	7.528	mg/L	7.528	mg/L	21:22:58
1	Mo 202.031†	238.1	231.8	0.0091	mg/L	0.0091	mg/L	21:23:13
1	Ni 231.604†	414.0	372.7	0.0052	mg/L	0.0052	mg/L	21:23:13
1	P 214.914†	397.7	103.1	0.0592	mg/L	0.0592	mg/L	21:23:13
1	Pb 220.353†	-38.4	-49.2	-0.0056	mg/L	-0.0056	mg/L	21:23:13
1	Sb 206.836†	41.1	2.3	-0.0005	mg/L	-0.0005	mg/L	21:23:13
1	Se 196.026†	-3.1	-0.9	0.0018	mg/L	0.0018	mg/L	21:23:13
1	Sn 189.927†	-454.4	-417.1	-0.0547	mg/L	-0.0547	mg/L	21:23:13
1	Ti 337.279†	-951.1	219.4	0.0014	mg/L	0.0014	mg/L	21:23:03
1	Tl 190.801†	25.2	15.5	0.0022	mg/L	0.0022	mg/L	21:23:13
1	V 292.402†	-1282.7	-262.0	0.0008	mg/L	0.0008	mg/L	21:23:03
1	Zn 213.857†	6292.4	4725.3	0.0285	mg/L	0.0285	mg/L	21:23:13
2	B 249.677†	30.2	24.9	0.0305	mg/L	0.0305	mg/L	21:22:53
2	Fe 234.349†	563.4	519.2	0.7651	mg/L	0.7651	mg/L	21:22:53
2	K 766.490†	8699.5	7774.6	5.839	mg/L	5.839	mg/L	21:22:43
2	Li 670.784†	-46.4	146.5	0.0095	mg/L	0.0095	mg/L	21:22:43
2	Na 589.592†	152044.8	141541.3	38.98	mg/L	38.98	mg/L	21:22:43
2	Sr 407.771†	235681.6	218838.6	0.3743	mg/L	0.3743	mg/L	21:22:43
2	Y 371.029	3366309.3	3366309.3	1.08	mg/L			21:23:19
2	Ag 328.068†	1953.8	-223.9	-0.0016	mg/L	-0.0016	mg/L	21:23:21
2	Al 237.313†	103.9	243.7	0.0067	mg/L	0.0067	mg/L	21:23:21
2	As 188.979†	-1.4	-9.2	-0.0050	mg/L	-0.0050	mg/L	21:23:31
2	B 182.528†	-24.3	-15.9	-0.0165	mg/L	-0.0165	mg/L	21:23:31
2	Ba 233.527†	5046.1	4754.4	0.0414	mg/L	0.0414	mg/L	21:23:31
2	Be 313.107†	-1042.6	-63.5	0.0000	mg/L	0.0000	mg/L	21:23:21
2	Ca 315.887†	9339857.6	8675161.8	61.70	mg/L	61.70	mg/L	21:23:17
2	Cd 228.802†	89.8	-9.5	-0.0003	mg/L	-0.0003	mg/L	21:23:31
2	Co 228.616†	173.1	195.3	-0.0011	mg/L	-0.0011	mg/L	21:23:31
2	Cr 267.716†	510.1	-162.1	-0.0018	mg/L	-0.0018	mg/L	21:23:21
2	Cu 324.752†	2198.8	274.2	-0.0008	mg/L	-0.0008	mg/L	21:23:21
2	Fe 238.204†	121434.1	111945.7	0.7045	mg/L	0.7045	mg/L	21:23:21

2	Mg	279.077†	195754.9	181529.4	10.72	mg/L	10.72	mg/L	21:23:21
2	Mn	257.610†	7120378.7	6614252.2	7.675	mg/L	7.675	mg/L	21:23:17
2	Mo	202.031†	231.9	227.2	0.0089	mg/L	0.0089	mg/L	21:23:31
2	Ni	231.604†	408.7	370.0	0.0051	mg/L	0.0051	mg/L	21:23:31
2	P	214.914†	415.8	122.0	0.0668	mg/L	0.0668	mg/L	21:23:31
2	Pb	220.353†	-52.7	-62.7	-0.0064	mg/L	-0.0064	mg/L	21:23:31
2	Sb	206.836†	46.0	7.0	0.0021	mg/L	0.0021	mg/L	21:23:31
2	Se	196.026†	0.3	2.2	0.0038	mg/L	0.0038	mg/L	21:23:31
2	Sn	189.927†	-460.8	-425.4	-0.0557	mg/L	-0.0557	mg/L	21:23:31
2	Ti	337.279†	-702.1	445.6	0.0017	mg/L	0.0017	mg/L	21:23:21
2	Tl	190.801†	26.0	16.4	0.0027	mg/L	0.0027	mg/L	21:23:31
2	V	292.402†	-1262.1	-249.6	0.0008	mg/L	0.0008	mg/L	21:23:21
2	Zn	213.857†	6337.1	4799.8	0.0290	mg/L	0.0290	mg/L	21:23:31

Mean Data: 1210228-06

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3375875.2	1.08	mg/L	0.004				0.40%
Ag 328.068†	-288.4	-0.0020	mg/L	0.00057	-0.0020	mg/L	0.00057	28.42%
Al 237.313†	238.2	0.0062	mg/L	0.00075	0.0062	mg/L	0.00075	12.14%
As 188.979†	-12.8	-0.0078	mg/L	0.00396	-0.0078	mg/L	0.00396	50.72%
B 182.528†	-16.4	-0.0171	mg/L	0.00082	-0.0171	mg/L	0.00082	4.81%
B 249.677†	27.7	0.0338	mg/L	0.00463	0.0338	mg/L	0.00463	13.72%
Ba 233.527†	4729.4	0.0411	mg/L	0.00032	0.0411	mg/L	0.00032	0.78%
Be 313.107†	-47.4	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	20.96%
Ca 315.887†	8586799.7	61.07	mg/L	0.889	61.07	mg/L	0.889	1.46%
Cd 228.802†	-6.2	-0.0002	mg/L	0.00014	-0.0002	mg/L	0.00014	80.63%
Co 228.616†	179.3	-0.0014	mg/L	0.00039	-0.0014	mg/L	0.00039	28.70%
Cr 267.716†	-152.4	-0.0018	mg/L	0.00011	-0.0018	mg/L	0.00011	6.29%
Cu 324.752†	293.7	-0.0007	mg/L	0.00012	-0.0007	mg/L	0.00012	17.74%
Fe 234.349†	517.6	0.7631	mg/L	0.00285	0.7631	mg/L	0.00285	0.37%
Fe 238.204†	111479.6	0.7015	mg/L	0.00420	0.7015	mg/L	0.00420	0.60%
K 766.490†	7715.4	5.795	mg/L	0.0624	5.795	mg/L	0.0624	1.08%
Li 670.784†	163.5	0.0105	mg/L	0.00138	0.0105	mg/L	0.00138	13.15%
Mg 279.077†	180408.0	10.65	mg/L	0.094	10.65	mg/L	0.094	0.88%
Mn 257.610†	6550551.3	7.602	mg/L	0.1046	7.602	mg/L	0.1046	1.38%
Mo 202.031†	229.5	0.0090	mg/L	0.00013	0.0090	mg/L	0.00013	1.40%
Na 589.592†	140544.5	38.71	mg/L	0.389	38.71	mg/L	0.389	1.01%
Ni 231.604†	371.4	0.0052	mg/L	0.00004	0.0052	mg/L	0.00004	0.79%
P 214.914†	112.6	0.0630	mg/L	0.00542	0.0630	mg/L	0.00542	8.60%
Pb 220.353†	-56.0	-0.0060	mg/L	0.00057	-0.0060	mg/L	0.00057	9.51%
Sb 206.836†	4.6	0.0008	mg/L	0.00187	0.0008	mg/L	0.00187	233.26%
Se 196.026†	0.6	0.0028	mg/L	0.00140	0.0028	mg/L	0.00140	50.28%
Sn 189.927†	-421.2	-0.0552	mg/L	0.00076	-0.0552	mg/L	0.00076	1.38%
Sr 407.771†	217195.7	0.3715	mg/L	0.00397	0.3715	mg/L	0.00397	1.07%
Ti 337.279†	332.5	0.0016	mg/L	0.00019	0.0016	mg/L	0.00019	12.14%
Tl 190.801†	16.0	0.0025	mg/L	0.00035	0.0025	mg/L	0.00035	14.08%
V 292.402†	-255.8	0.0008	mg/L	0.00004	0.0008	mg/L	0.00004	4.81%
Zn 213.857†	4762.5	0.0288	mg/L	0.00036	0.0288	mg/L	0.00036	1.24%

Sequence No.: 66

Sample ID: 1210228-07

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 61

Date Collected: 10/11/2012 9:25:09 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210228-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	341.2	317.6	0.3741 mg/L	0.3741 mg/L	21:27:02
1	Fe 234.349†	3184.3	2988.5	4.633 mg/L	4.633 mg/L	21:27:02
1	K 766.490†	14701.2	13509.3	10.11 mg/L	10.11 mg/L	21:27:02
1	Li 670.784†	-78.3	115.9	0.0078 mg/L	0.0078 mg/L	21:27:02
1	Na 589.592†	313637.2	295056.3	81.35 mg/L	81.35 mg/L	21:26:52
1	Sr 407.771†	452196.5	424877.0	0.7267 mg/L	0.7267 mg/L	21:26:52
1	Y 371.029	3327522.6	3327522.6	1.06 mg/L		21:27:23
1	Ag 328.068†	1738.6	-405.0	-0.0024 mg/L	-0.0024 mg/L	21:27:25
1	Al 237.313†	201.1	336.2	0.0157 mg/L	0.0157 mg/L	21:27:25
1	As 188.979†	-1.3	-9.1	-0.0033 mg/L	-0.0033 mg/L	21:27:35
1	B 182.528†	302.7	291.1	0.3372 mg/L	0.3372 mg/L	21:27:35

1	Ba	233.527†	8394.2	7955.6	0.0703	mg/L	0.0703	mg/L	21:27:25
1	Be	313.107†	-1270.8	-289.2	-0.0001	mg/L	-0.0001	mg/L	21:27:25
1	Ca	315.887†	14123716.2	13272292.3	94.40	mg/L	94.40	mg/L	21:27:20
1	Cd	228.802†	119.1	18.9	0.0005	mg/L	0.0005	mg/L	21:27:35
1	Co	228.616†	580.7	580.3	0.0056	mg/L	0.0056	mg/L	21:27:35
1	Cr	267.716†	574.2	-96.3	-0.0013	mg/L	-0.0013	mg/L	21:27:25
1	Cu	324.752†	2712.3	780.6	0.0015	mg/L	0.0015	mg/L	21:27:25
1	Fe	238.204†	722456.1	678116.5	4.314	mg/L	4.314	mg/L	21:27:23
1	Mg	279.077†	319476.5	299925.9	17.71	mg/L	17.71	mg/L	21:27:23
1	Mn	257.610†	6059250.9	5694081.6	6.607	mg/L	6.607	mg/L	21:27:23
1	Mo	202.031†	271.5	266.9	0.0092	mg/L	0.0092	mg/L	21:27:35
1	Ni	231.604†	543.1	500.7	0.0079	mg/L	0.0079	mg/L	21:27:35
1	P	214.914†	494.7	200.7	0.1078	mg/L	0.1078	mg/L	21:27:35
1	Pb	220.353†	-72.9	-82.2	-0.0076	mg/L	-0.0076	mg/L	21:27:35
1	Sb	206.836†	54.4	15.4	0.0051	mg/L	0.0051	mg/L	21:27:35
1	Se	196.026†	-12.3	-9.6	-0.0021	mg/L	-0.0021	mg/L	21:27:35
1	Sn	189.927†	-576.3	-539.0	-0.0593	mg/L	-0.0593	mg/L	21:27:35
1	Ti	337.279†	-320.3	796.8	0.0021	mg/L	0.0021	mg/L	21:27:25
1	Tl	190.801†	31.1	21.5	0.0033	mg/L	0.0033	mg/L	21:27:35
1	V	292.402†	-1021.7	-37.4	0.0011	mg/L	0.0011	mg/L	21:27:25
1	Zn	213.857†	7561.0	6018.8	0.0373	mg/L	0.0373	mg/L	21:27:35
2	B	249.677†	346.0	325.1	0.3829	mg/L	0.3829	mg/L	21:27:14
2	Fe	234.349†	3180.0	3012.1	4.669	mg/L	4.669	mg/L	21:27:14
2	K	766.490†	14712.9	13648.7	10.22	mg/L	10.22	mg/L	21:27:14
2	Li	670.784†	-45.0	146.9	0.0096	mg/L	0.0096	mg/L	21:27:14
2	Na	589.592†	312103.7	296337.0	81.70	mg/L	81.70	mg/L	21:27:04
2	Sr	407.771†	448580.9	425391.2	0.7275	mg/L	0.7275	mg/L	21:27:04
2	Y	371.029	3296928.1	3296928.1	1.05	mg/L			21:27:42
2	Ag	328.068†	1745.0	-383.8	-0.0023	mg/L	-0.0023	mg/L	21:27:44
2	Al	237.313†	185.1	322.8	0.0144	mg/L	0.0144	mg/L	21:27:44
2	As	188.979†	10.7	2.3	0.0056	mg/L	0.0056	mg/L	21:27:55
2	B	182.528†	302.1	293.2	0.3396	mg/L	0.3396	mg/L	21:27:55
2	Ba	233.527†	8216.2	7860.0	0.0694	mg/L	0.0694	mg/L	21:27:44
2	Be	313.107†	-1272.4	-301.8	-0.0001	mg/L	-0.0001	mg/L	21:27:44
2	Ca	315.887†	14272225.0	13536337.0	96.28	mg/L	96.28	mg/L	21:27:39
2	Cd	228.802†	110.6	11.9	0.0003	mg/L	0.0003	mg/L	21:27:55
2	Co	228.616†	612.7	615.7	0.0062	mg/L	0.0062	mg/L	21:27:55
2	Cr	267.716†	634.3	-34.3	-0.0008	mg/L	-0.0008	mg/L	21:27:44
2	Cu	324.752†	2527.0	628.5	0.0008	mg/L	0.0008	mg/L	21:27:44
2	Fe	238.204†	721525.5	683534.5	4.349	mg/L	4.349	mg/L	21:27:42
2	Mg	279.077†	319392.0	302632.0	17.87	mg/L	17.87	mg/L	21:27:42
2	Mn	257.610†	6047914.9	5736173.4	6.656	mg/L	6.656	mg/L	21:27:42
2	Mo	202.031†	253.5	252.2	0.0086	mg/L	0.0086	mg/L	21:27:55
2	Ni	231.604†	533.4	496.3	0.0078	mg/L	0.0078	mg/L	21:27:55
2	P	214.914†	482.5	193.4	0.1050	mg/L	0.1050	mg/L	21:27:55
2	Pb	220.353†	-79.4	-89.1	-0.0080	mg/L	-0.0080	mg/L	21:27:55
2	Sb	206.836†	58.2	19.5	0.0074	mg/L	0.0074	mg/L	21:27:55
2	Se	196.026†	-15.8	-13.1	-0.0042	mg/L	-0.0042	mg/L	21:27:55
2	Sn	189.927†	-572.2	-540.1	-0.0593	mg/L	-0.0593	mg/L	21:27:55
2	Ti	337.279†	-145.3	960.1	0.0023	mg/L	0.0023	mg/L	21:27:44
2	Tl	190.801†	28.7	19.5	0.0022	mg/L	0.0022	mg/L	21:27:55
2	V	292.402†	-1120.2	-139.7	0.0006	mg/L	0.0006	mg/L	21:27:44
2	Zn	213.857†	7566.8	6090.2	0.0377	mg/L	0.0377	mg/L	21:27:55

Mean Data: 1210228-07

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3312225.4	1.06	mg/L	0.007			0.65%
Ag 328.068†	-394.4	-0.0023	mg/L	0.00010	-0.0023 mg/L	0.00010	4.05%
Al 237.313†	329.5	0.0150	mg/L	0.00091	0.0150 mg/L	0.00091	6.08%
As 188.979†	-3.4	0.0011	mg/L	0.00631	0.0011 mg/L	0.00631	548.38%
B 182.528†	292.2	0.3384	mg/L	0.00169	0.3384 mg/L	0.00169	0.50%
B 249.677†	321.3	0.3785	mg/L	0.00622	0.3785 mg/L	0.00622	1.64%
Ba 233.527†	7907.8	0.0698	mg/L	0.00061	0.0698 mg/L	0.00061	0.87%
Be 313.107†	-295.5	-0.0001	mg/L	0.00000	-0.0001 mg/L	0.00000	6.34%
Ca 315.887†	13404314.6	95.34	mg/L	1.328	95.34 mg/L	1.328	1.39%
Cd 228.802†	15.4	0.0004	mg/L	0.00016	0.0004 mg/L	0.00016	43.50%
Co 228.616†	598.0	0.0059	mg/L	0.00044	0.0059 mg/L	0.00044	7.36%
Cr 267.716†	-65.3	-0.0011	mg/L	0.00035	-0.0011 mg/L	0.00035	33.48%
Cu 324.752†	704.6	0.0011	mg/L	0.00048	0.0011 mg/L	0.00048	42.03%
Fe 234.349†	3000.3	4.651	mg/L	0.0252	4.651 mg/L	0.0252	0.54%
Fe 238.204†	680825.5	4.331	mg/L	0.0244	4.331 mg/L	0.0244	0.56%

K 766.490†	13579.0	10.16 mg/L	0.073	10.16 mg/L	0.073	0.72%
Li 670.784†	131.4	0.0087 mg/L	0.00126	0.0087 mg/L	0.00126	14.49%
Mg 279.077†	301278.9	17.79 mg/L	0.113	17.79 mg/L	0.113	0.64%
Mn 257.610†	5715127.5	6.632 mg/L	0.0345	6.632 mg/L	0.0345	0.52%
Mo 202.031†	259.6	0.0089 mg/L	0.00041	0.0089 mg/L	0.00041	4.58%
Na 589.592†	295696.7	81.52 mg/L	0.250	81.52 mg/L	0.250	0.31%
Ni 231.604†	498.5	0.0079 mg/L	0.00007	0.0079 mg/L	0.00007	0.84%
P 214.914†	197.1	0.1064 mg/L	0.00201	0.1064 mg/L	0.00201	1.89%
Pb 220.353†	-85.6	-0.0078 mg/L	0.00029	-0.0078 mg/L	0.00029	3.69%
Sb 206.836†	17.4	0.0063 mg/L	0.00162	0.0063 mg/L	0.00162	25.75%
Se 196.026†	-11.4	-0.0031 mg/L	0.00153	-0.0031 mg/L	0.00153	48.71%
Sn 189.927†	-539.5	-0.0593 mg/L	0.00002	-0.0593 mg/L	0.00002	0.04%
Sr 407.771†	425134.1	0.7271 mg/L	0.00062	0.7271 mg/L	0.00062	0.09%
Ti 337.279†	878.5	0.0022 mg/L	0.00014	0.0022 mg/L	0.00014	6.19%
Tl 190.801†	20.5	0.0027 mg/L	0.00080	0.0027 mg/L	0.00080	29.18%
V 292.402†	-88.5	0.0008 mg/L	0.00034	0.0008 mg/L	0.00034	41.09%
Zn 213.857†	6054.5	0.0375 mg/L	0.00034	0.0375 mg/L	0.00034	0.91%

Sequence No.: 67

Autosampler Location: 62

Sample ID: 1210228-08

Date Collected: 10/11/2012 9:29:32 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210228-08

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	1004.1	973.0	1.144 mg/L	1.144 mg/L	21:31:16
1	Fe 234.349†	129675.6	126063.5	198.9 mg/L	198.9 mg/L	21:31:14
1	K 766.490†	83351.5	80725.3	60.21 mg/L	60.21 mg/L	21:31:14
1	Li 670.784†	45.0	233.3	0.0145 mg/L	0.0145 mg/L	21:31:16
1	Na 589.592†	346952.5	337591.6	93.08 mg/L	93.08 mg/L	21:31:14
1	Sr 407.771†	426350.0	414379.3	0.7087 mg/L	0.7087 mg/L	21:31:14
1	Y 371.029	3216788.5	3216788.5	1.03 mg/L		21:31:29
1	Ag 328.068†	139.1	-1903.8	0.0033 mg/L	0.0033 mg/L	21:31:32
1	Al 237.313†	7907.4	7834.6	0.7378 mg/L	0.7378 mg/L	21:31:29
1	As 188.979†	-8.6	-16.2	0.0727 mg/L	0.0727 mg/L	21:31:42
1	B 182.528†	989.5	968.7	1.118 mg/L	1.118 mg/L	21:31:42
1	Ba 233.527†	87579.5	85209.4	0.7678 mg/L	0.7678 mg/L	21:31:32
1	Be 313.107†	-1637.0	-686.3	-0.0003 mg/L	-0.0003 mg/L	21:31:32
1	Ca 315.887†	19901156.6	19345927.4	137.6 mg/L	137.6 mg/L	21:31:27
1	Cd 228.802†	137.7	40.9	0.0011 mg/L	0.0011 mg/L	21:31:42
1	Co 228.616†	55.4	88.3	-0.0030 mg/L	-0.0030 mg/L	21:31:42
1	Cr 267.716†	2783.4	2070.0	0.0161 mg/L	0.0161 mg/L	21:31:32
1	Cu 324.752†	2087.6	261.1	-0.0008 mg/L	-0.0008 mg/L	21:31:32
1	Fe 238.204†	26039928.9	25314575.6	161.4 mg/L	161.4 mg/L	21:31:27
1	Mg 279.077†	373350.8	362637.1	21.40 mg/L	21.40 mg/L	21:31:29
1	Mn 257.610†	1050795.2	1021003.2	1.183 mg/L	1.183 mg/L	21:31:29
1	Mo 202.031†	274.3	278.5	-0.0508 mg/L	-0.0508 mg/L	21:31:32
1	Ni 231.604†	518.4	494.3	0.0078 mg/L	0.0078 mg/L	21:31:42
1	P 214.914†	1320.4	1019.5	0.8973 mg/L	0.8973 mg/L	21:31:42
1	Pb 220.353†	-151.5	-161.1	-0.0125 mg/L	-0.0125 mg/L	21:31:42
1	Sb 206.836†	101.6	63.1	-0.0541 mg/L	-0.0541 mg/L	21:31:42
1	Se 196.026†	-82.3	-78.0	0.0374 mg/L	0.0374 mg/L	21:31:42
1	Sn 189.927†	-588.9	-569.9	0.5045 mg/L	0.5045 mg/L	21:31:42
1	Ti 337.279†	-55.1	1044.4	0.0024 mg/L	0.0024 mg/L	21:31:32
1	Tl 190.801†	27.7	19.2	-0.1082 mg/L	-0.1082 mg/L	21:31:42
1	V 292.402†	6025.8	6781.0	-0.0043 mg/L	-0.0043 mg/L	21:31:32
1	Zn 213.857†	8198.8	6883.4	0.0431 mg/L	0.0431 mg/L	21:31:42
2	B 249.677†	1020.8	986.5	1.160 mg/L	1.160 mg/L	21:31:20
2	Fe 234.349†	126643.7	122775.1	193.7 mg/L	193.7 mg/L	21:31:18
2	K 766.490†	81874.4	79068.9	58.97 mg/L	58.97 mg/L	21:31:18
2	Li 670.784†	58.8	246.6	0.0153 mg/L	0.0153 mg/L	21:31:20
2	Na 589.592†	341926.1	331784.7	91.48 mg/L	91.48 mg/L	21:31:18
2	Sr 407.771†	418898.8	406007.7	0.6944 mg/L	0.6944 mg/L	21:31:18
2	Y 371.029	3225720.0	3225720.0	1.03 mg/L		21:31:49
2	Ag 328.068†	261.6	-1785.4	0.0036 mg/L	0.0036 mg/L	21:31:51
2	Al 237.313†	7933.3	7838.4	0.7382 mg/L	0.7382 mg/L	21:31:49
2	As 188.979†	-22.8	-30.0	0.0598 mg/L	0.0598 mg/L	21:32:02
2	B 182.528†	992.8	969.2	1.118 mg/L	1.118 mg/L	21:32:02
2	Ba 233.527†	87835.1	85221.5	0.7679 mg/L	0.7679 mg/L	21:31:51

2	Be 313.107†	-1631.8	-677.0	-0.0002 mg/L	-0.0002 mg/L	21:31:51
2	Ca 315.887†	19921074.1	19311667.2	137.4 mg/L	137.4 mg/L	21:31:46
2	Cd 228.802†	128.6	31.7	0.0009 mg/L	0.0009 mg/L	21:32:02
2	Co 228.616†	68.4	100.7	-0.0027 mg/L	-0.0027 mg/L	21:32:02
2	Cr 267.716†	2889.6	2165.4	0.0169 mg/L	0.0169 mg/L	21:31:51
2	Cu 324.752†	2066.6	235.1	-0.0009 mg/L	-0.0009 mg/L	21:31:51
2	Fe 238.204†	26075601.6	25279065.4	161.2 mg/L	161.2 mg/L	21:31:46
2	Mg 279.077†	375491.0	363707.0	21.46 mg/L	21.46 mg/L	21:31:49
2	Mn 257.610†	1055873.3	1023097.7	1.185 mg/L	1.185 mg/L	21:31:49
2	Mo 202.031†	305.3	307.7	-0.0480 mg/L	-0.0480 mg/L	21:31:51
2	Ni 231.604†	516.0	490.6	0.0077 mg/L	0.0077 mg/L	21:32:02
2	P 214.914†	1316.1	1011.7	0.8819 mg/L	0.8819 mg/L	21:32:02
2	Pb 220.353†	-192.3	-200.2	-0.0149 mg/L	-0.0149 mg/L	21:32:02
2	Sb 206.836†	100.1	61.3	-0.0528 mg/L	-0.0528 mg/L	21:32:02
2	Se 196.026†	-90.7	-86.0	0.0301 mg/L	0.0301 mg/L	21:32:02
2	Sn 189.927†	-584.3	-563.8	0.4901 mg/L	0.4901 mg/L	21:32:02
2	Ti 337.279†	-152.3	950.3	0.0023 mg/L	0.0023 mg/L	21:31:51
2	Tl 190.801†	24.8	16.3	-0.1068 mg/L	-0.1068 mg/L	21:32:02
2	V 292.402†	6006.9	6746.5	-0.0035 mg/L	-0.0035 mg/L	21:31:51
2	Zn 213.857†	8242.4	6903.6	0.0432 mg/L	0.0432 mg/L	21:32:02

Mean Data: 1210228-08

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3221254.3	1.03 mg/L		0.002			0.20%
Ag 328.068†	-1844.6	0.0034 mg/L		0.00024	0.0034 mg/L	0.00024	6.92%
Al 237.313†	7836.5	0.7380 mg/L		0.00027	0.7380 mg/L	0.00027	0.04%
As 188.979†	-23.1	0.0662 mg/L		0.00917	0.0662 mg/L	0.00917	13.84%
B 182.528†	968.9	1.118 mg/L		0.0004	1.118 mg/L	0.0004	0.04%
B 249.677†	979.7	1.152 mg/L		0.0112	1.152 mg/L	0.0112	0.97%
Ba 233.527†	85215.4	0.7678 mg/L		0.00008	0.7678 mg/L	0.00008	0.01%
Be 313.107†	-681.6	-0.0003 mg/L		0.00000	-0.0003 mg/L	0.00000	1.29%
Ca 315.887†	19328797.3	137.5 mg/L		0.17	137.5 mg/L	0.17	0.13%
Cd 228.802†	36.3	0.0010 mg/L		0.00014	0.0010 mg/L	0.00014	14.02%
Co 228.616†	94.5	-0.0029 mg/L		0.00015	-0.0029 mg/L	0.00015	5.41%
Cr 267.716†	2117.7	0.0165 mg/L		0.00054	0.0165 mg/L	0.00054	3.29%
Cu 324.752†	248.1	-0.0009 mg/L		0.00008	-0.0009 mg/L	0.00008	9.15%
Fe 234.349†	124419.3	196.3 mg/L		3.67	196.3 mg/L	3.67	1.87%
Fe 238.204†	25296820.5	161.3 mg/L		0.16	161.3 mg/L	0.16	0.10%
K 766.490†	79897.1	59.59 mg/L		0.873	59.59 mg/L	0.873	1.46%
Li 670.784†	240.0	0.0149 mg/L		0.00054	0.0149 mg/L	0.00054	3.61%
Mg 279.077†	363172.0	21.43 mg/L		0.045	21.43 mg/L	0.045	0.21%
Mn 257.610†	1022050.4	1.184 mg/L		0.0017	1.184 mg/L	0.0017	0.15%
Mo 202.031†	293.1	-0.0494 mg/L		0.00194	-0.0494 mg/L	0.00194	3.93%
Na 589.592†	334688.2	92.28 mg/L		1.133	92.28 mg/L	1.133	1.23%
Ni 231.604†	492.4	0.0077 mg/L		0.00005	0.0077 mg/L	0.00005	0.71%
P 214.914†	1015.6	0.8896 mg/L		0.01089	0.8896 mg/L	0.01089	1.22%
Pb 220.353†	-180.6	-0.0137 mg/L		0.00166	-0.0137 mg/L	0.00166	12.10%
Sb 206.836†	62.2	-0.0535 mg/L		0.00094	-0.0535 mg/L	0.00094	1.77%
Se 196.026†	-82.0	0.0337 mg/L		0.00514	0.0337 mg/L	0.00514	15.23%
Sn 189.927†	-566.8	0.4973 mg/L		0.01017	0.4973 mg/L	0.01017	2.04%
Sr 407.771†	410193.5	0.7016 mg/L		0.01012	0.7016 mg/L	0.01012	1.44%
Ti 337.279†	997.3	0.0024 mg/L		0.00008	0.0024 mg/L	0.00008	3.35%
Tl 190.801†	17.7	-0.1075 mg/L		0.00095	-0.1075 mg/L	0.00095	0.88%
V 292.402†	6763.8	-0.0039 mg/L		0.00059	-0.0039 mg/L	0.00059	15.26%
Zn 213.857†	6893.5	0.0432 mg/L		0.00010	0.0432 mg/L	0.00010	0.22%

Sequence No.: 68

Sample ID: 1210228-09

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 63

Date Collected: 10/11/2012 9:33:40 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210228-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	24.7	19.5	0.0242 mg/L	0.0242 mg/L	21:35:32
1	Fe 234.349†	129.6	114.9	0.1535 mg/L	0.1535 mg/L	21:35:32
1	K 766.490†	2206.5	1720.9	1.327 mg/L	1.327 mg/L	21:35:22
1	Li 670.784†	547.9	693.2	0.0410 mg/L	0.0410 mg/L	21:35:22

1	Na	589.592†	219777.4	202304.1	55.75	mg/L	55.75	mg/L	21:35:20
1	Sr	407.771†	892561.7	820303.9	1.403	mg/L	1.403	mg/L	21:35:20
1	Y	371.029	3402311.3	3402311.3	1.09	mg/L			21:35:50
1	Ag	328.068†	1901.2	-291.5	-0.0021	mg/L	-0.0021	mg/L	21:35:53
1	Al	237.313†	-214.6	-50.1	-0.0216	mg/L	-0.0216	mg/L	21:36:03
1	As	188.979†	22.2	12.6	0.0117	mg/L	0.0117	mg/L	21:36:03
1	B	182.528†	4.5	10.8	0.0142	mg/L	0.0142	mg/L	21:36:03
1	Ba	233.527†	26442.0	24371.1	0.2185	mg/L	0.2185	mg/L	21:35:53
1	Be	313.107†	-951.2	30.8	0.0001	mg/L	0.0001	mg/L	21:35:53
1	Ca	315.887†	4851526.9	4457824.9	31.70	mg/L	31.70	mg/L	21:35:50
1	Cd	228.802†	108.1	6.4	0.0001	mg/L	0.0001	mg/L	21:36:03
1	Co	228.616†	-65.5	-25.8	-0.0049	mg/L	-0.0049	mg/L	21:36:03
1	Cr	267.716†	633.6	-53.5	-0.0010	mg/L	-0.0010	mg/L	21:35:53
1	Cu	324.752†	5305.3	3108.0	0.0118	mg/L	0.0118	mg/L	21:35:53
1	Fe	238.204†	20584.1	18054.1	0.1059	mg/L	0.1059	mg/L	21:35:53
1	Mg	279.077†	112931.5	103476.6	6.085	mg/L	6.085	mg/L	21:35:53
1	Mn	257.610†	53589.7	48701.2	0.0544	mg/L	0.0544	mg/L	21:35:53
1	Mo	202.031†	294.3	282.3	0.0112	mg/L	0.0112	mg/L	21:36:03
1	Ni	231.604†	1384.5	1262.9	0.0240	mg/L	0.0240	mg/L	21:36:03
1	P	214.914†	360.0	66.7	0.0427	mg/L	0.0427	mg/L	21:36:03
1	Pb	220.353†	13.3	-1.6	-0.0028	mg/L	-0.0028	mg/L	21:36:03
1	Sb	206.836†	48.4	8.8	0.0034	mg/L	0.0034	mg/L	21:36:03
1	Se	196.026†	-0.8	1.2	0.0029	mg/L	0.0029	mg/L	21:36:03
1	Sn	189.927†	-315.3	-287.1	-0.0394	mg/L	-0.0394	mg/L	21:36:03
1	Ti	337.279†	-923.7	248.9	0.0015	mg/L	0.0015	mg/L	21:35:53
1	Tl	190.801†	26.1	16.3	0.0030	mg/L	0.0030	mg/L	21:36:03
1	V	292.402†	-1159.2	-142.6	0.0014	mg/L	0.0014	mg/L	21:35:53
1	Zn	213.857†	4968.6	3479.7	0.0200	mg/L	0.0200	mg/L	21:36:03
2	B	249.677†	21.1	16.3	0.0204	mg/L	0.0204	mg/L	21:35:46
2	Fe	234.349†	127.1	113.0	0.1506	mg/L	0.1506	mg/L	21:35:46
2	K	766.490†	2246.9	1765.0	1.360	mg/L	1.360	mg/L	21:35:36
2	Li	670.784†	545.4	692.5	0.0409	mg/L	0.0409	mg/L	21:35:36
2	Na	589.592†	220781.2	203906.8	56.19	mg/L	56.19	mg/L	21:35:34
2	Sr	407.771†	896870.9	827027.2	1.414	mg/L	1.414	mg/L	21:35:34
2	Y	371.029	3390949.2	3390949.2	1.08	mg/L			21:36:06
2	Ag	328.068†	2013.9	-181.7	-0.0014	mg/L	-0.0014	mg/L	21:36:08
2	Al	237.313†	-210.0	-46.5	-0.0212	mg/L	-0.0212	mg/L	21:36:18
2	As	188.979†	4.8	-3.4	-0.0008	mg/L	-0.0008	mg/L	21:36:18
2	B	182.528†	-2.7	4.2	0.0066	mg/L	0.0066	mg/L	21:36:18
2	Ba	233.527†	26127.5	24162.5	0.2166	mg/L	0.2166	mg/L	21:36:08
2	Be	313.107†	-953.2	25.9	0.0001	mg/L	0.0001	mg/L	21:36:08
2	Ca	315.887†	4821277.0	4444869.2	31.61	mg/L	31.61	mg/L	21:36:06
2	Cd	228.802†	89.6	-10.4	-0.0003	mg/L	-0.0003	mg/L	21:36:18
2	Co	228.616†	-63.2	-23.8	-0.0049	mg/L	-0.0049	mg/L	21:36:18
2	Cr	267.716†	645.2	-40.9	-0.0009	mg/L	-0.0009	mg/L	21:36:08
2	Cu	324.752†	5177.8	3006.8	0.0113	mg/L	0.0113	mg/L	21:36:08
2	Fe	238.204†	19436.1	17058.7	0.0996	mg/L	0.0996	mg/L	21:36:08
2	Mg	279.077†	111313.4	102332.1	6.018	mg/L	6.018	mg/L	21:36:08
2	Mn	257.610†	52733.8	48076.9	0.0536	mg/L	0.0536	mg/L	21:36:08
2	Mo	202.031†	281.8	271.6	0.0108	mg/L	0.0108	mg/L	21:36:18
2	Ni	231.604†	1383.8	1266.5	0.0241	mg/L	0.0241	mg/L	21:36:18
2	P	214.914†	365.3	72.6	0.0451	mg/L	0.0451	mg/L	21:36:18
2	Pb	220.353†	-0.9	-14.6	-0.0035	mg/L	-0.0035	mg/L	21:36:18
2	Sb	206.836†	56.0	15.9	0.0075	mg/L	0.0075	mg/L	21:36:18
2	Se	196.026†	-4.7	-2.4	0.0006	mg/L	0.0006	mg/L	21:36:18
2	Sn	189.927†	-326.3	-298.2	-0.0409	mg/L	-0.0409	mg/L	21:36:18
2	Ti	337.279†	-934.4	236.1	0.0015	mg/L	0.0015	mg/L	21:36:08
2	Tl	190.801†	20.0	10.7	-0.0001	mg/L	-0.0001	mg/L	21:36:18
2	V	292.402†	-1087.5	-80.0	0.0017	mg/L	0.0017	mg/L	21:36:08
2	Zn	213.857†	4987.8	3512.7	0.0202	mg/L	0.0202	mg/L	21:36:18

Mean Data: 1210228-09

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3396630.3	1.09 mg/L	0.003			0.24%
Ag 328.068†	-236.6	-0.0017 mg/L	0.00048	-0.0017 mg/L	0.00048	28.00%
Al 237.313†	-48.3	-0.0214 mg/L	0.00025	-0.0214 mg/L	0.00025	1.16%
As 188.979†	4.6	0.0055 mg/L	0.00884	0.0055 mg/L	0.00884	161.26%
B 182.528†	7.5	0.0104 mg/L	0.00541	0.0104 mg/L	0.00541	51.92%
B 249.677†	17.9	0.0223 mg/L	0.00266	0.0223 mg/L	0.00266	11.93%
Ba 233.527†	24266.8	0.2175 mg/L	0.00133	0.2175 mg/L	0.00133	0.61%
Be 313.107†	28.4	0.0001 mg/L	0.00000	0.0001 mg/L	0.00000	1.84%

Ca 315.887†	4451347.1	31.65 mg/L	0.065	31.65 mg/L	0.065	0.21%
Cd 228.802†	-2.0	-0.0001 mg/L	0.00027	-0.0001 mg/L	0.00027	221.94%
Co 228.616†	-24.8	-0.0049 mg/L	0.00002	-0.0049 mg/L	0.00002	0.49%
Cr 267.716†	-47.2	-0.0009 mg/L	0.00007	-0.0009 mg/L	0.00007	7.89%
Cu 324.752†	3057.4	0.0115 mg/L	0.00032	0.0115 mg/L	0.00032	2.74%
Fe 234.349†	114.0	0.1520 mg/L	0.00205	0.1520 mg/L	0.00205	1.35%
Fe 238.204†	17556.4	0.1027 mg/L	0.00449	0.1027 mg/L	0.00449	4.37%
K 766.490†	1742.9	1.344 mg/L	0.0232	1.344 mg/L	0.0232	1.73%
Li 670.784†	692.9	0.0409 mg/L	0.00003	0.0409 mg/L	0.00003	0.06%
Mg 279.077†	102904.3	6.051 mg/L	0.0478	6.051 mg/L	0.0478	0.79%
Mn 257.610†	48389.0	0.0540 mg/L	0.00051	0.0540 mg/L	0.00051	0.95%
Mo 202.031†	277.0	0.0110 mg/L	0.00029	0.0110 mg/L	0.00029	2.63%
Na 589.592†	203105.4	55.97 mg/L	0.313	55.97 mg/L	0.313	0.56%
Ni 231.604†	1264.7	0.0241 mg/L	0.00005	0.0241 mg/L	0.00005	0.22%
P 214.914†	69.7	0.0439 mg/L	0.00170	0.0439 mg/L	0.00170	3.88%
Pb 220.353†	-8.1	-0.0031 mg/L	0.00055	-0.0031 mg/L	0.00055	17.50%
Sb 206.836†	12.3	0.0054 mg/L	0.00287	0.0054 mg/L	0.00287	52.73%
Se 196.026†	-0.6	0.0017 mg/L	0.00163	0.0017 mg/L	0.00163	93.77%
Sn 189.927†	-292.7	-0.0402 mg/L	0.00104	-0.0402 mg/L	0.00104	2.59%
Sr 407.771†	823665.6	1.409 mg/L	0.0081	1.409 mg/L	0.0081	0.58%
Ti 337.279†	242.5	0.0015 mg/L	0.00001	0.0015 mg/L	0.00001	0.74%
Tl 190.801†	13.5	0.0015 mg/L	0.00218	0.0015 mg/L	0.00218	147.87%
V 292.402†	-111.3	0.0016 mg/L	0.00020	0.0016 mg/L	0.00020	12.73%
Zn 213.857†	3496.2	0.0201 mg/L	0.00016	0.0201 mg/L	0.00016	0.79%

Sequence No.: 69
Sample ID: 1210228-10
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 10/11/2012 9:37:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210228-10

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	258.7	243.2	0.2868 mg/L		0.2868 mg/L	21:39:42
1	Fe 234.349†	193097.9	183901.8	290.2 mg/L		290.2 mg/L	21:39:40
1	K 766.490†	41335.7	39060.8	29.16 mg/L		29.16 mg/L	21:39:42
1	Li 670.784†	243.6	421.6	0.0254 mg/L		0.0254 mg/L	21:39:42
1	Na 589.592†	103449.6	98817.2	27.19 mg/L		27.19 mg/L	21:39:40
1	Sr 407.771†	301613.3	287147.0	0.4911 mg/L		0.4911 mg/L	21:39:40
1	Y 371.029	3283597.6	3283597.6	1.05 mg/L			21:39:57
1	Ag 328.068†	-282.9	-2308.5	0.0078 mg/L		0.0078 mg/L	21:39:57
1	Al 237.313†	130699.6	124625.2	11.98 mg/L		11.98 mg/L	21:39:57
1	As 188.979†	1791.7	1698.5	1.451 mg/L		1.451 mg/L	21:40:08
1	B 182.528†	205.1	202.0	0.2345 mg/L		0.2345 mg/L	21:40:08
1	Ba 233.527†	55435.3	52862.9	0.4757 mg/L		0.4757 mg/L	21:39:57
1	Be 313.107†	-473.2	454.4	0.0003 mg/L		0.0003 mg/L	21:39:57
1	Ca 315.887†	10310991.4	9818627.6	69.83 mg/L		69.83 mg/L	21:39:54
1	Cd 228.802†	543.3	424.5	0.0054 mg/L		0.0054 mg/L	21:40:08
1	Co 228.616†	1011.4	997.7	0.0122 mg/L		0.0122 mg/L	21:40:08
1	Cr 267.716†	8219.8	7192.6	0.0574 mg/L		0.0574 mg/L	21:40:08
1	Cu 324.752†	14132.0	11690.8	0.0500 mg/L		0.0500 mg/L	21:39:57
1	Fe 238.204†	35917885.7	34207242.1	218.1 mg/L		218.1 mg/L	21:39:54
1	Mg 279.077†	238764.8	227072.7	13.41 mg/L		13.41 mg/L	21:39:57
1	Mn 257.610†	7144407.6	6803760.0	7.895 mg/L		7.895 mg/L	21:39:54
1	Mo 202.031†	275.8	274.5	-0.0793 mg/L		-0.0793 mg/L	21:40:08
1	Ni 231.604†	1130.1	1066.6	0.0199 mg/L		0.0199 mg/L	21:40:08
1	P 214.914†	10246.9	9494.9	4.543 mg/L		4.543 mg/L	21:40:08
1	Pb 220.353†	2127.7	2012.7	0.1140 mg/L		0.1140 mg/L	21:40:08
1	Sb 206.836†	125.0	83.3	-0.0832 mg/L		-0.0832 mg/L	21:40:08
1	Se 196.026†	-115.5	-108.0	0.0572 mg/L		0.0572 mg/L	21:40:08
1	Sn 189.927†	-438.0	-414.5	0.7918 mg/L		0.7918 mg/L	21:40:08
1	Ti 337.279†	300754.4	287535.7	0.3453 mg/L		0.3453 mg/L	21:39:57
1	Tl 190.801†	-1.6	-9.2	-0.1763 mg/L		-0.1763 mg/L	21:40:08
1	V 292.402†	17856.4	17929.3	0.0295 mg/L		0.0295 mg/L	21:39:57
1	Zn 213.857†	55836.2	52091.0	0.3487 mg/L		0.3487 mg/L	21:39:57
2	B 249.677†	273.7	257.1	0.3031 mg/L		0.3031 mg/L	21:39:46
2	Fe 234.349†	195168.8	185513.4	292.8 mg/L		292.8 mg/L	21:39:44
2	K 766.490†	41403.6	39048.9	29.15 mg/L		29.15 mg/L	21:39:46
2	Li 670.784†	233.2	411.3	0.0248 mg/L		0.0248 mg/L	21:39:46
2	Na 589.592†	104580.1	99700.6	27.44 mg/L		27.44 mg/L	21:39:44

2	Sr 407.771†	304498.9	289332.5	0.4948	mg/L	0.4948	mg/L	21:39:44
2	Y 371.029	3289981.5	3289981.5	1.05	mg/L			21:40:17
2	Ag 328.068†	-227.2	-2255.0	0.0083	mg/L	0.0083	mg/L	21:40:17
2	Al 237.313†	130545.5	124237.2	11.95	mg/L	11.95	mg/L	21:40:17
2	As 188.979†	1816.8	1719.1	1.468	mg/L	1.468	mg/L	21:40:27
2	B 182.528†	206.9	203.4	0.2361	mg/L	0.2361	mg/L	21:40:27
2	Ba 233.527†	55693.7	53006.2	0.4770	mg/L	0.4770	mg/L	21:40:17
2	Be 313.107†	-506.3	423.8	0.0003	mg/L	0.0003	mg/L	21:40:17
2	Ca 315.887†	10340749.4	9827859.1	69.90	mg/L	69.90	mg/L	21:40:14
2	Cd 228.802†	567.6	446.6	0.0059	mg/L	0.0059	mg/L	21:40:27
2	Co 228.616†	1040.0	1023.1	0.0126	mg/L	0.0126	mg/L	21:40:27
2	Cr 267.716†	8284.6	7239.0	0.0578	mg/L	0.0578	mg/L	21:40:27
2	Cu 324.752†	14227.7	11755.7	0.0503	mg/L	0.0503	mg/L	21:40:17
2	Fe 238.204†	35992923.3	34212191.9	218.1	mg/L	218.1	mg/L	21:40:14
2	Mg 279.077†	239443.8	227276.9	13.42	mg/L	13.42	mg/L	21:40:17
2	Mn 257.610†	7166668.3	6811716.9	7.905	mg/L	7.905	mg/L	21:40:14
2	Mo 202.031†	244.1	243.8	-0.0813	mg/L	-0.0813	mg/L	21:40:27
2	Ni 231.604†	1137.4	1071.5	0.0200	mg/L	0.0200	mg/L	21:40:27
2	P 214.914†	10288.2	9515.3	4.558	mg/L	4.558	mg/L	21:40:27
2	Pb 220.353†	2139.9	2020.3	0.1145	mg/L	0.1145	mg/L	21:40:27
2	Sb 206.836†	131.2	89.0	-0.0811	mg/L	-0.0811	mg/L	21:40:27
2	Se 196.026†	-100.2	-93.3	0.0676	mg/L	0.0676	mg/L	21:40:27
2	Sn 189.927†	-402.2	-379.7	0.8038	mg/L	0.8038	mg/L	21:40:27
2	Ti 337.279†	307733.2	293613.6	0.3525	mg/L	0.3525	mg/L	21:40:17
2	Tl 190.801†	12.4	4.1	-0.1704	mg/L	-0.1704	mg/L	21:40:27
2	V 292.402†	17726.9	17773.1	0.0283	mg/L	0.0283	mg/L	21:40:17
2	Zn 213.857†	55891.3	52040.1	0.3484	mg/L	0.3484	mg/L	21:40:17

Mean Data: 1210228-10

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3286789.5	1.05	mg/L	0.001			0.14%
Ag 328.068†	-2281.7	0.0080	mg/L	0.00037	0.0080	0.00037	4.64%
Al 237.313†	124431.2	11.97	mg/L	0.026	11.97	0.026	0.22%
As 188.979†	1708.8	1.459	mg/L	0.0121	1.459	0.0121	0.83%
B 182.528†	202.7	0.2353	mg/L	0.00113	0.2353	0.00113	0.48%
B 249.677†	250.2	0.2949	mg/L	0.01149	0.2949	0.01149	3.90%
Ba 233.527†	52934.6	0.4763	mg/L	0.00091	0.4763	0.00091	0.19%
Be 313.107†	439.1	0.0003	mg/L	0.00001	0.0003	0.00001	3.55%
Ca 315.887†	9823243.3	69.87	mg/L	0.046	69.87	0.046	0.07%
Cd 228.802†	435.5	0.0056	mg/L	0.00036	0.0056	0.00036	6.49%
Co 228.616†	1010.4	0.0124	mg/L	0.00030	0.0124	0.00030	2.43%
Cr 267.716†	7215.8	0.0576	mg/L	0.00026	0.0576	0.00026	0.46%
Cu 324.752†	11723.3	0.0501	mg/L	0.00021	0.0501	0.00021	0.41%
Fe 234.349†	184707.6	291.5	mg/L	1.80	291.5	1.80	0.62%
Fe 238.204†	34209717.0	218.1	mg/L	0.02	218.1	0.02	0.01%
K 766.490†	39054.9	29.15	mg/L	0.006	29.15	0.006	0.02%
Li 670.784†	416.4	0.0251	mg/L	0.00042	0.0251	0.00042	1.67%
Mg 279.077†	227174.8	13.42	mg/L	0.009	13.42	0.009	0.06%
Mn 257.610†	6807738.4	7.900	mg/L	0.0065	7.900	0.0065	0.08%
Mo 202.031†	259.1	-0.0803	mg/L	0.00140	-0.0803	0.00140	1.74%
Na 589.592†	99258.9	27.31	mg/L	0.172	27.31	0.172	0.63%
Ni 231.604†	1069.0	0.0199	mg/L	0.00007	0.0199	0.00007	0.36%
P 214.914†	9505.1	4.550	mg/L	0.0101	4.550	0.0101	0.22%
Pb 220.353†	2016.5	0.1143	mg/L	0.00033	0.1143	0.00033	0.29%
Sb 206.836†	86.2	-0.0821	mg/L	0.00149	-0.0821	0.00149	1.81%
Se 196.026†	-100.7	0.0624	mg/L	0.00735	0.0624	0.00735	11.78%
Sn 189.927†	-397.1	0.7978	mg/L	0.00849	0.7978	0.00849	1.06%
Sr 407.771†	288239.7	0.4930	mg/L	0.00264	0.4930	0.00264	0.54%
Ti 337.279†	290574.6	0.3489	mg/L	0.00514	0.3489	0.00514	1.47%
Tl 190.801†	-2.6	-0.1734	mg/L	0.00418	-0.1734	0.00418	2.41%
V 292.402†	17851.2	0.0289	mg/L	0.00085	0.0289	0.00085	2.96%
Zn 213.857†	52065.6	0.3485	mg/L	0.00024	0.3485	0.00024	0.07%

Sequence No.: 70
Sample ID: 1210228-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 10/11/2012 9:42:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210228-11

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Conc. Units	Sample Units	Analysis Time
1	B 249.677†	35.4	30.8	0.0374	mg/L	0.0374	mg/L	21:43:58
1	Fe 234.349†	15885.3	15215.4	23.98	mg/L	23.98	mg/L	21:43:48
1	K 766.490†	10714.3	9958.1	7.466	mg/L	7.466	mg/L	21:43:48
1	Li 670.784†	67.6	254.3	0.0157	mg/L	0.0157	mg/L	21:43:48
1	Na 589.592†	605579.4	580494.5	160.1	mg/L	160.1	mg/L	21:43:48
1	Sr 407.771†	185788.4	177894.1	0.3043	mg/L	0.3043	mg/L	21:43:48
1	Y 371.029	3264072.3	3264072.3	1.04	mg/L			21:44:18
1	Ag 328.068†	1726.6	-384.8	-0.0008	mg/L	-0.0008	mg/L	21:44:20
1	Al 237.313†	22217.6	21433.8	2.047	mg/L	2.047	mg/L	21:44:20
1	As 188.979†	66.2	55.6	0.0553	mg/L	0.0553	mg/L	21:44:30
1	B 182.528†	21.2	26.9	0.0328	mg/L	0.0328	mg/L	21:44:30
1	Ba 233.527†	12021.8	11584.6	0.1030	mg/L	0.1030	mg/L	21:44:20
1	Be 313.107†	-808.0	131.0	0.0001	mg/L	0.0001	mg/L	21:44:20
1	Ca 315.887†	6823045.2	6535587.7	46.48	mg/L	46.48	mg/L	21:44:15
1	Cd 228.802†	133.9	35.3	0.0007	mg/L	0.0007	mg/L	21:44:30
1	Co 228.616†	281.6	304.2	0.0007	mg/L	0.0007	mg/L	21:44:30
1	Cr 267.716†	1662.8	957.2	0.0072	mg/L	0.0072	mg/L	21:44:20
1	Cu 324.752†	7597.4	5510.6	0.0224	mg/L	0.0224	mg/L	21:44:20
1	Fe 238.204†	3699998.3	3544082.7	22.59	mg/L	22.59	mg/L	21:44:18
1	Mg 279.077†	170951.8	163461.7	9.647	mg/L	9.647	mg/L	21:44:20
1	Mn 257.610†	5081302.4	4867812.4	5.648	mg/L	5.648	mg/L	21:44:15
1	Mo 202.031†	173.7	178.2	-0.0002	mg/L	-0.0002	mg/L	21:44:30
1	Ni 231.604†	415.8	388.7	0.0055	mg/L	0.0055	mg/L	21:44:30
1	P 214.914†	3525.7	3113.7	1.332	mg/L	1.332	mg/L	21:44:30
1	Pb 220.353†	555.4	518.3	0.0276	mg/L	0.0276	mg/L	21:44:30
1	Sb 206.836†	53.6	15.7	-0.0033	mg/L	-0.0033	mg/L	21:44:30
1	Se 196.026†	-10.2	-7.9	0.0073	mg/L	0.0073	mg/L	21:44:30
1	Sn 189.927†	-399.4	-380.0	0.0180	mg/L	0.0180	mg/L	21:44:30
1	Ti 337.279†	62241.2	60730.9	0.0739	mg/L	0.0739	mg/L	21:44:20
1	Tl 190.801†	16.9	8.5	-0.0150	mg/L	-0.0150	mg/L	21:44:30
1	V 292.402†	1442.4	2304.8	0.0081	mg/L	0.0081	mg/L	21:44:20
1	Zn 213.857†	22366.2	20341.7	0.1341	mg/L	0.1341	mg/L	21:44:20
2	B 249.677†	28.9	24.5	0.0299	mg/L	0.0299	mg/L	21:44:10
2	Fe 234.349†	16221.3	15490.0	24.41	mg/L	24.41	mg/L	21:44:00
2	K 766.490†	10725.7	9937.7	7.451	mg/L	7.451	mg/L	21:44:00
2	Li 670.784†	73.0	259.3	0.0160	mg/L	0.0160	mg/L	21:44:00
2	Na 589.592†	612201.2	585050.2	161.4	mg/L	161.4	mg/L	21:44:00
2	Sr 407.771†	188177.9	179633.7	0.3072	mg/L	0.3072	mg/L	21:44:00
2	Y 371.029	3274056.3	3274056.3	1.05	mg/L			21:44:36
2	Ag 328.068†	1720.4	-395.7	-0.0008	mg/L	-0.0008	mg/L	21:44:38
2	Al 237.313†	21983.3	21145.0	2.019	mg/L	2.019	mg/L	21:44:38
2	As 188.979†	79.7	68.3	0.0654	mg/L	0.0654	mg/L	21:44:49
2	B 182.528†	16.8	22.7	0.0279	mg/L	0.0279	mg/L	21:44:49
2	Ba 233.527†	11943.1	11474.3	0.1020	mg/L	0.1020	mg/L	21:44:38
2	Be 313.107†	-836.6	106.0	0.0001	mg/L	0.0001	mg/L	21:44:38
2	Ca 315.887†	6782604.4	6477025.3	46.06	mg/L	46.06	mg/L	21:44:34
2	Cd 228.802†	130.7	31.9	0.0006	mg/L	0.0006	mg/L	21:44:49
2	Co 228.616†	296.9	318.1	0.0009	mg/L	0.0009	mg/L	21:44:49
2	Cr 267.716†	1663.9	953.3	0.0071	mg/L	0.0071	mg/L	21:44:38
2	Cu 324.752†	7630.8	5520.3	0.0225	mg/L	0.0225	mg/L	21:44:38
2	Fe 238.204†	3711126.7	3543902.2	22.58	mg/L	22.58	mg/L	21:44:36
2	Mg 279.077†	169882.3	161940.7	9.557	mg/L	9.557	mg/L	21:44:38
2	Mn 257.610†	5046358.7	4819589.4	5.592	mg/L	5.592	mg/L	21:44:34
2	Mo 202.031†	196.2	199.2	0.0004	mg/L	0.0004	mg/L	21:44:49
2	Ni 231.604†	408.5	380.5	0.0054	mg/L	0.0054	mg/L	21:44:49
2	P 214.914†	3501.2	3080.0	1.320	mg/L	1.320	mg/L	21:44:49
2	Pb 220.353†	608.0	567.0	0.0306	mg/L	0.0306	mg/L	21:44:49
2	Sb 206.836†	59.4	21.0	-0.0004	mg/L	-0.0004	mg/L	21:44:49
2	Se 196.026†	-8.3	-6.0	0.0086	mg/L	0.0086	mg/L	21:44:49
2	Sn 189.927†	-385.7	-365.8	0.0212	mg/L	0.0212	mg/L	21:44:49
2	Ti 337.279†	62208.3	60517.6	0.0736	mg/L	0.0736	mg/L	21:44:38
2	Tl 190.801†	16.4	7.9	-0.0155	mg/L	-0.0155	mg/L	21:44:49
2	V 292.402†	1409.6	2269.3	0.0079	mg/L	0.0079	mg/L	21:44:38
2	Zn 213.857†	22200.3	20117.8	0.1326	mg/L	0.1326	mg/L	21:44:38

Mean Data: 1210228-11

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3269064.3	1.05 mg/L	0.002			0.22%

Ag 328.068†	-390.3	-0.0008 mg/L	0.00002	-0.0008 mg/L	0.00002	3.01%
Al 237.313†	21289.4	2.033 mg/L	0.0197	2.033 mg/L	0.0197	0.97%
As 188.979†	61.9	0.0604 mg/L	0.00717	0.0604 mg/L	0.00717	11.87%
B 182.528†	24.8	0.0304 mg/L	0.00347	0.0304 mg/L	0.00347	11.44%
B 249.677†	27.6	0.0337 mg/L	0.00529	0.0337 mg/L	0.00529	15.71%
Ba 233.527†	11529.4	0.1025 mg/L	0.00070	0.1025 mg/L	0.00070	0.69%
Be 313.107†	118.5	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	6.41%
Ca 315.887†	6506306.5	46.27 mg/L	0.295	46.27 mg/L	0.295	0.64%
Cd 228.802†	33.6	0.0006 mg/L	0.00010	0.0006 mg/L	0.00010	15.39%
Co 228.616†	311.1	0.0008 mg/L	0.00017	0.0008 mg/L	0.00017	21.88%
Cr 267.716†	955.3	0.0072 mg/L	0.00002	0.0072 mg/L	0.00002	0.30%
Cu 324.752†	5515.5	0.0225 mg/L	0.00003	0.0225 mg/L	0.00003	0.14%
Fe 234.349†	15352.7	24.19 mg/L	0.307	24.19 mg/L	0.307	1.27%
Fe 238.204†	3543992.5	22.58 mg/L	0.001	22.58 mg/L	0.001	0.00%
K 766.490†	9947.9	7.459 mg/L	0.0107	7.459 mg/L	0.0107	0.14%
Li 670.784†	256.8	0.0159 mg/L	0.00020	0.0159 mg/L	0.00020	1.28%
Mg 279.077†	162701.2	9.602 mg/L	0.0637	9.602 mg/L	0.0637	0.66%
Mn 257.610†	4843700.9	5.620 mg/L	0.0396	5.620 mg/L	0.0396	0.70%
Mo 202.031†	188.7	0.0001 mg/L	0.00048	0.0001 mg/L	0.00048	457.95%
Na 589.592†	582772.4	160.7 mg/L	0.89	160.7 mg/L	0.89	0.55%
Ni 231.604†	384.6	0.0054 mg/L	0.00012	0.0054 mg/L	0.00012	2.23%
P 214.914†	3096.9	1.326 mg/L	0.0089	1.326 mg/L	0.0089	0.67%
Pb 220.353†	542.7	0.0291 mg/L	0.00206	0.0291 mg/L	0.00206	7.09%
Sb 206.836†	18.3	-0.0018 mg/L	0.00200	-0.0018 mg/L	0.00200	108.64%
Se 196.026†	-6.9	0.0080 mg/L	0.00095	0.0080 mg/L	0.00095	11.93%
Sn 189.927†	-372.9	0.0196 mg/L	0.00221	0.0196 mg/L	0.00221	11.28%
Sr 407.771†	178763.9	0.3057 mg/L	0.00210	0.3057 mg/L	0.00210	0.69%
Ti 337.279†	60624.3	0.0737 mg/L	0.00018	0.0737 mg/L	0.00018	0.24%
Tl 190.801†	8.2	-0.0153 mg/L	0.00039	-0.0153 mg/L	0.00039	2.53%
V 292.402†	2287.1	0.0080 mg/L	0.00017	0.0080 mg/L	0.00017	2.11%
Zn 213.857†	20229.8	0.1333 mg/L	0.00107	0.1333 mg/L	0.00107	0.80%

Sequence No.: 71
Sample ID: 1210228-12
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 10/11/2012 9:46:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210228-12

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	17.3	12.8	0.0162 mg/L	0.0162 mg/L	21:48:20
1	Fe 234.349†	135.7	120.6	0.1630 mg/L	0.1630 mg/L	21:48:20
1	K 766.490†	2109.0	1631.5	1.261 mg/L	1.261 mg/L	21:48:10
1	Li 670.784†	518.7	666.4	0.0394 mg/L	0.0394 mg/L	21:48:10
1	Na 589.592†	214742.1	197696.4	54.48 mg/L	54.48 mg/L	21:48:08
1	Sr 407.771†	863557.7	793727.1	1.358 mg/L	1.358 mg/L	21:48:08
1	Y 371.029	3401957.4	3401957.4	1.09 mg/L		21:48:39
1	Ag 328.068†	2058.0	-147.2	-0.0012 mg/L	-0.0012 mg/L	21:48:41
1	Al 237.313†	-111.8	44.4	-0.0125 mg/L	-0.0125 mg/L	21:48:52
1	As 188.979†	22.1	12.5	0.0116 mg/L	0.0116 mg/L	21:48:52
1	B 182.528†	-1.6	5.2	0.0078 mg/L	0.0078 mg/L	21:48:52
1	Ba 233.527†	25881.2	23858.1	0.2139 mg/L	0.2139 mg/L	21:48:41
1	Be 313.107†	-936.6	44.1	0.0001 mg/L	0.0001 mg/L	21:48:41
1	Ca 315.887†	4791203.4	4402835.7	31.31 mg/L	31.31 mg/L	21:48:39
1	Cd 228.802†	102.5	1.2	-0.0001 mg/L	-0.0001 mg/L	21:48:52
1	Co 228.616†	-19.5	16.5	-0.0042 mg/L	-0.0042 mg/L	21:48:52
1	Cr 267.716†	709.5	16.3	-0.0004 mg/L	-0.0004 mg/L	21:48:41
1	Cu 324.752†	297504.4	271716.1	1.199 mg/L	1.199 mg/L	21:48:39
1	Fe 238.204†	24158.6	21341.9	0.1269 mg/L	0.1269 mg/L	21:48:41
1	Mg 279.077†	110488.4	101241.5	5.953 mg/L	5.953 mg/L	21:48:41
1	Mn 257.610†	44358.9	40220.8	0.0445 mg/L	0.0445 mg/L	21:48:41
1	Mo 202.031†	286.3	275.0	0.0101 mg/L	0.0101 mg/L	21:48:52
1	Ni 231.604†	477.6	429.3	0.0064 mg/L	0.0064 mg/L	21:48:52
1	P 214.914†	995.9	651.3	0.2571 mg/L	0.2571 mg/L	21:48:52
1	Pb 220.353†	-38.2	-48.9	-0.0064 mg/L	-0.0064 mg/L	21:48:52
1	Sb 206.836†	48.9	9.3	0.0037 mg/L	0.0037 mg/L	21:48:52
1	Se 196.026†	-3.9	-1.6	0.0011 mg/L	0.0011 mg/L	21:48:52
1	Sn 189.927†	-313.7	-285.7	-0.0392 mg/L	-0.0392 mg/L	21:48:52
1	Ti 337.279†	-960.4	215.1	0.0014 mg/L	0.0014 mg/L	21:48:41
1	Tl 190.801†	21.2	11.7	0.0005 mg/L	0.0005 mg/L	21:48:52

1	V 292.402†	-1094.6	-83.3	0.0017 mg/L	0.0017 mg/L	21:48:41
1	Zn 213.857†	9187.0	7358.0	0.0441 mg/L	0.0441 mg/L	21:48:52
2	B 249.677†	20.8	16.2	0.0202 mg/L	0.0202 mg/L	21:48:35
2	Fe 234.349†	136.3	122.4	0.1659 mg/L	0.1659 mg/L	21:48:35
2	K 766.490†	2137.3	1678.9	1.296 mg/L	1.296 mg/L	21:48:25
2	Li 670.784†	548.8	699.6	0.0413 mg/L	0.0413 mg/L	21:48:25
2	Na 589.592†	214832.2	199925.6	55.09 mg/L	55.09 mg/L	21:48:23
2	Sr 407.771†	864519.5	803248.9	1.374 mg/L	1.374 mg/L	21:48:23
2	Y 371.029	3365379.7	3365379.7	1.08 mg/L	1.08 mg/L	21:48:55
2	Ag 328.068†	1957.0	-220.4	-0.0016 mg/L	-0.0016 mg/L	21:48:57
2	Al 237.313†	-133.1	23.6	-0.0145 mg/L	-0.0145 mg/L	21:49:07
2	As 188.979†	14.2	5.4	0.0061 mg/L	0.0061 mg/L	21:49:07
2	B 182.528†	0.5	7.1	0.0100 mg/L	0.0100 mg/L	21:49:07
2	Ba 233.527†	25996.2	24223.6	0.2172 mg/L	0.2172 mg/L	21:48:57
2	Be 313.107†	-1003.9	-27.8	0.0001 mg/L	0.0001 mg/L	21:48:57
2	Ca 315.887†	4746683.5	4409335.9	31.35 mg/L	31.35 mg/L	21:48:55
2	Cd 228.802†	105.8	5.3	0.0001 mg/L	0.0001 mg/L	21:49:07
2	Co 228.616†	-61.3	-22.5	-0.0049 mg/L	-0.0049 mg/L	21:49:07
2	Cr 267.716†	712.7	26.3	-0.0003 mg/L	-0.0003 mg/L	21:48:57
2	Cu 324.752†	294436.2	271837.4	1.200 mg/L	1.200 mg/L	21:48:55
2	Fe 238.204†	23850.3	21296.9	0.1266 mg/L	0.1266 mg/L	21:48:57
2	Mg 279.077†	111030.1	102848.8	6.048 mg/L	6.048 mg/L	21:48:57
2	Mn 257.610†	44278.6	40589.4	0.0450 mg/L	0.0450 mg/L	21:48:57
2	Mo 202.031†	287.4	278.8	0.0103 mg/L	0.0103 mg/L	21:49:07
2	Ni 231.604†	444.3	403.1	0.0058 mg/L	0.0058 mg/L	21:49:07
2	P 214.914†	991.6	657.3	0.2595 mg/L	0.2595 mg/L	21:49:07
2	Pb 220.353†	-34.8	-46.1	-0.0063 mg/L	-0.0063 mg/L	21:49:07
2	Sb 206.836†	46.7	7.7	0.0028 mg/L	0.0028 mg/L	21:49:07
2	Se 196.026†	-5.0	-2.7	0.0004 mg/L	0.0004 mg/L	21:49:07
2	Sn 189.927†	-325.8	-300.1	-0.0411 mg/L	-0.0411 mg/L	21:49:07
2	Ti 337.279†	-839.2	318.0	0.0016 mg/L	0.0016 mg/L	21:48:57
2	Tl 190.801†	23.6	14.2	0.0018 mg/L	0.0018 mg/L	21:49:07
2	V 292.402†	-1038.6	-42.3	0.0019 mg/L	0.0019 mg/L	21:48:57
2	Zn 213.857†	9106.8	7375.2	0.0443 mg/L	0.0443 mg/L	21:49:07

Mean Data: 1210228-12

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3383668.6	1.08 mg/L		0.008			0.76%
Ag 328.068†	-183.8	-0.0014 mg/L		0.00032	-0.0014 mg/L	0.00032	23.09%
Al 237.313†	34.0	-0.0135 mg/L		0.00142	-0.0135 mg/L	0.00142	10.57%
As 188.979†	8.9	0.0089 mg/L		0.00392	0.0089 mg/L	0.00392	44.14%
B 182.528†	6.2	0.0089 mg/L		0.00151	0.0089 mg/L	0.00151	17.04%
B 249.677†	14.5	0.0182 mg/L		0.00285	0.0182 mg/L	0.00285	15.65%
Ba 233.527†	24040.8	0.2155 mg/L		0.00233	0.2155 mg/L	0.00233	1.08%
Be 313.107†	8.2	0.0001 mg/L		0.00002	0.0001 mg/L	0.00002	30.92%
Ca 315.887†	4406085.8	31.33 mg/L		0.033	31.33 mg/L	0.033	0.10%
Cd 228.802†	3.3	0.0000 mg/L		0.00009	0.0000 mg/L	0.00009	>999.9%
Co 228.616†	-3.0	-0.0045 mg/L		0.00048	-0.0045 mg/L	0.00048	10.57%
Cr 267.716†	21.3	-0.0004 mg/L		0.00006	-0.0004 mg/L	0.00006	16.12%
Cu 324.752†	271776.7	1.200 mg/L		0.0004	1.200 mg/L	0.0004	0.03%
Fe 234.349†	121.5	0.1644 mg/L		0.00204	0.1644 mg/L	0.00204	1.24%
Fe 238.204†	21319.4	0.1267 mg/L		0.00020	0.1267 mg/L	0.00020	0.16%
K 766.490†	1655.2	1.278 mg/L		0.0250	1.278 mg/L	0.0250	1.95%
Li 670.784†	683.0	0.0404 mg/L		0.00135	0.0404 mg/L	0.00135	3.34%
Mg 279.077†	102045.1	6.001 mg/L		0.0671	6.001 mg/L	0.0671	1.12%
Mn 257.610†	40405.1	0.0447 mg/L		0.00030	0.0447 mg/L	0.00030	0.68%
Mo 202.031†	276.9	0.0102 mg/L		0.00010	0.0102 mg/L	0.00010	1.02%
Na 589.592†	198811.0	54.79 mg/L		0.435	54.79 mg/L	0.435	0.79%
Ni 231.604†	416.2	0.0061 mg/L		0.00039	0.0061 mg/L	0.00039	6.40%
P 214.914†	654.3	0.2583 mg/L		0.00170	0.2583 mg/L	0.00170	0.66%
Pb 220.353†	-47.5	-0.0064 mg/L		0.00012	-0.0064 mg/L	0.00012	1.88%
Sb 206.836†	8.5	0.0033 mg/L		0.00064	0.0033 mg/L	0.00064	19.50%
Se 196.026†	-2.1	0.0008 mg/L		0.00048	0.0008 mg/L	0.00048	63.69%
Sn 189.927†	-292.9	-0.0401 mg/L		0.00133	-0.0401 mg/L	0.00133	3.31%
Sr 407.771†	798488.0	1.366 mg/L		0.0115	1.366 mg/L	0.0115	0.84%
Ti 337.279†	266.6	0.0015 mg/L		0.00009	0.0015 mg/L	0.00009	5.81%
Tl 190.801†	13.0	0.0012 mg/L		0.00096	0.0012 mg/L	0.00096	82.58%
V 292.402†	-62.8	0.0018 mg/L		0.00013	0.0018 mg/L	0.00013	7.39%
Zn 213.857†	7366.6	0.0442 mg/L		0.00008	0.0442 mg/L	0.00008	0.19%

Sequence No.: 72
 Sample ID: 1210228-13
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 67
 Date Collected: 10/11/2012 9:50:46 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 1210228-13

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	16.8	12.5	0.0159 mg/L	0.0159 mg/L	0.0159 mg/L	21:52:39
1	Fe 234.349†	75.5	65.7	0.0769 mg/L	0.0769 mg/L	0.0769 mg/L	21:52:39
1	K 766.490†	2092.8	1631.6	1.261 mg/L	1.261 mg/L	1.261 mg/L	21:52:29
1	Li 670.784†	474.3	629.0	0.0373 mg/L	0.0373 mg/L	0.0373 mg/L	21:52:29
1	Na 589.592†	214010.8	198557.1	54.72 mg/L	54.72 mg/L	54.72 mg/L	21:52:26
1	Sr 407.771†	861495.9	798002.6	1.365 mg/L	1.365 mg/L	1.365 mg/L	21:52:26
1	Y 371.029	3375654.1	3375654.1	1.08 mg/L	1.08 mg/L	1.08 mg/L	21:52:57
1	Ag 328.068†	1818.7	-354.1	-0.0025 mg/L	-0.0025 mg/L	-0.0025 mg/L	21:53:00
1	Al 237.313†	-196.1	-34.4	-0.0201 mg/L	-0.0201 mg/L	-0.0201 mg/L	21:53:10
1	As 188.979†	18.2	9.0	0.0089 mg/L	0.0089 mg/L	0.0089 mg/L	21:53:10
1	B 182.528†	-5.7	1.4	0.0034 mg/L	0.0034 mg/L	0.0034 mg/L	21:53:10
1	Ba 233.527†	25761.1	23932.2	0.2145 mg/L	0.2145 mg/L	0.2145 mg/L	21:53:00
1	Be 313.107†	-995.0	-16.7	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	21:53:00
1	Ca 315.887†	4713154.4	4364848.4	31.04 mg/L	31.04 mg/L	31.04 mg/L	21:52:57
1	Cd 228.802†	104.2	3.5	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	21:53:10
1	Co 228.616†	-50.8	-12.6	-0.0047 mg/L	-0.0047 mg/L	-0.0047 mg/L	21:53:10
1	Cr 267.716†	692.6	5.7	-0.0005 mg/L	-0.0005 mg/L	-0.0005 mg/L	21:53:00
1	Cu 324.752†	2450.3	501.5	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	21:53:00
1	Fe 238.204†	11285.5	9589.0	0.0519 mg/L	0.0519 mg/L	0.0519 mg/L	21:53:00
1	Mg 279.077†	109444.7	101066.0	5.943 mg/L	5.943 mg/L	5.943 mg/L	21:53:00
1	Mn 257.610†	43193.1	39458.5	0.0436 mg/L	0.0436 mg/L	0.0436 mg/L	21:53:00
1	Mo 202.031†	286.0	276.7	0.0110 mg/L	0.0110 mg/L	0.0110 mg/L	21:53:10
1	Ni 231.604†	23.2	11.8	-0.0024 mg/L	-0.0024 mg/L	-0.0024 mg/L	21:53:10
1	P 214.914†	335.1	46.2	0.0344 mg/L	0.0344 mg/L	0.0344 mg/L	21:53:10
1	Pb 220.353†	-73.3	-81.6	-0.0075 mg/L	-0.0075 mg/L	-0.0075 mg/L	21:53:10
1	Sb 206.836†	43.7	4.8	0.0012 mg/L	0.0012 mg/L	0.0012 mg/L	21:53:10
1	Se 196.026†	-7.7	-5.2	-0.0012 mg/L	-0.0012 mg/L	-0.0012 mg/L	21:53:10
1	Sn 189.927†	-335.5	-308.1	-0.0424 mg/L	-0.0424 mg/L	-0.0424 mg/L	21:53:10
1	Ti 337.279†	-1078.9	98.3	0.0013 mg/L	0.0013 mg/L	0.0013 mg/L	21:53:00
1	Tl 190.801†	23.5	14.0	0.0018 mg/L	0.0018 mg/L	0.0018 mg/L	21:53:10
1	V 292.402†	-935.1	56.6	0.0024 mg/L	0.0024 mg/L	0.0024 mg/L	21:53:00
1	Zn 213.857†	5207.9	3737.4	0.0219 mg/L	0.0219 mg/L	0.0219 mg/L	21:53:10
2	B 249.677†	17.9	13.3	0.0168 mg/L	0.0168 mg/L	0.0168 mg/L	21:52:53
2	Fe 234.349†	72.6	62.3	0.0715 mg/L	0.0715 mg/L	0.0715 mg/L	21:52:53
2	K 766.490†	2147.1	1662.8	1.284 mg/L	1.284 mg/L	1.284 mg/L	21:52:43
2	Li 670.784†	484.6	634.2	0.0376 mg/L	0.0376 mg/L	0.0376 mg/L	21:52:43
2	Na 589.592†	212691.1	195436.1	53.85 mg/L	53.85 mg/L	53.85 mg/L	21:52:41
2	Sr 407.771†	854504.0	783898.3	1.341 mg/L	1.341 mg/L	1.341 mg/L	21:52:41
2	Y 371.029	3408492.3	3408492.3	1.09 mg/L	1.09 mg/L	1.09 mg/L	21:53:13
2	Ag 328.068†	1916.2	-280.9	-0.0020 mg/L	-0.0020 mg/L	-0.0020 mg/L	21:53:15
2	Al 237.313†	-226.2	-60.3	-0.0225 mg/L	-0.0225 mg/L	-0.0225 mg/L	21:53:25
2	As 188.979†	15.8	6.6	0.0071 mg/L	0.0071 mg/L	0.0071 mg/L	21:53:25
2	B 182.528†	-4.0	3.0	0.0052 mg/L	0.0052 mg/L	0.0052 mg/L	21:53:25
2	Ba 233.527†	25463.7	23429.5	0.2100 mg/L	0.2100 mg/L	0.2100 mg/L	21:53:15
2	Be 313.107†	-907.6	72.3	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	21:53:15
2	Ca 315.887†	4761865.5	4367474.0	31.06 mg/L	31.06 mg/L	31.06 mg/L	21:53:13
2	Cd 228.802†	88.8	-11.6	-0.0004 mg/L	-0.0004 mg/L	-0.0004 mg/L	21:53:25
2	Co 228.616†	-43.2	-5.2	-0.0046 mg/L	-0.0046 mg/L	-0.0046 mg/L	21:53:25
2	Cr 267.716†	653.1	-36.7	-0.0008 mg/L	-0.0008 mg/L	-0.0008 mg/L	21:53:15
2	Cu 324.752†	2464.0	492.2	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	21:53:15
2	Fe 238.204†	11098.9	9317.1	0.0502 mg/L	0.0502 mg/L	0.0502 mg/L	21:53:15
2	Mg 279.077†	108178.1	98927.1	5.816 mg/L	5.816 mg/L	5.816 mg/L	21:53:15
2	Mn 257.610†	42624.0	38550.8	0.0426 mg/L	0.0426 mg/L	0.0426 mg/L	21:53:15
2	Mo 202.031†	277.3	266.2	0.0106 mg/L	0.0106 mg/L	0.0106 mg/L	21:53:25
2	Ni 231.604†	36.6	23.9	-0.0022 mg/L	-0.0022 mg/L	-0.0022 mg/L	21:53:25
2	P 214.914†	323.3	32.4	0.0288 mg/L	0.0288 mg/L	0.0288 mg/L	21:53:25
2	Pb 220.353†	-59.8	-68.6	-0.0068 mg/L	-0.0068 mg/L	-0.0068 mg/L	21:53:25
2	Sb 206.836†	44.3	4.9	0.0013 mg/L	0.0013 mg/L	0.0013 mg/L	21:53:25
2	Se 196.026†	-1.2	0.8	0.0026 mg/L	0.0026 mg/L	0.0026 mg/L	21:53:25
2	Sn 189.927†	-328.9	-299.1	-0.0412 mg/L	-0.0412 mg/L	-0.0412 mg/L	21:53:25
2	Ti 337.279†	-1047.5	136.8	0.0013 mg/L	0.0013 mg/L	0.0013 mg/L	21:53:15
2	Tl 190.801†	14.5	5.6	-0.0028 mg/L	-0.0028 mg/L	-0.0028 mg/L	21:53:25
2	V 292.402†	-1048.9	-39.5	0.0019 mg/L	0.0019 mg/L	0.0019 mg/L	21:53:15

Mean Data: 1210228-13

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3392073.2	1.08 mg/L	0.007			0.68%
Ag 328.068†	-317.5	-0.0022 mg/L	0.00032	-0.0022 mg/L	0.00032	14.40%
Al 237.313†	-47.4	-0.0213 mg/L	0.00176	-0.0213 mg/L	0.00176	8.28%
As 188.979†	7.8	0.0080 mg/L	0.00131	0.0080 mg/L	0.00131	16.43%
B 182.528†	2.2	0.0043 mg/L	0.00129	0.0043 mg/L	0.00129	29.78%
B 249.677†	12.9	0.0163 mg/L	0.00069	0.0163 mg/L	0.00069	4.24%
Ba 233.527†	23680.8	0.2123 mg/L	0.00321	0.2123 mg/L	0.00321	1.51%
Be 313.107†	27.8	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	34.19%
Ca 315.887†	4366161.2	31.05 mg/L	0.013	31.05 mg/L	0.013	0.04%
Cd 228.802†	-4.0	-0.0002 mg/L	0.00028	-0.0002 mg/L	0.00028	146.28%
Co 228.616†	-8.9	-0.0047 mg/L	0.00009	-0.0047 mg/L	0.00009	1.95%
Cr 267.716†	-15.5	-0.0007 mg/L	0.00024	-0.0007 mg/L	0.00024	37.12%
Cu 324.752†	496.9	0.0002 mg/L	0.00003	0.0002 mg/L	0.00003	13.67%
Fe 234.349†	64.0	0.0742 mg/L	0.00381	0.0742 mg/L	0.00381	5.14%
Fe 238.204†	9453.0	0.0511 mg/L	0.00123	0.0511 mg/L	0.00123	2.40%
K 766.490†	1647.2	1.272 mg/L	0.0164	1.272 mg/L	0.0164	1.29%
Li 670.784†	631.6	0.0374 mg/L	0.00021	0.0374 mg/L	0.00021	0.56%
Mg 279.077†	99996.6	5.880 mg/L	0.0893	5.880 mg/L	0.0893	1.52%
Mn 257.610†	39004.7	0.0431 mg/L	0.00075	0.0431 mg/L	0.00075	1.73%
Mo 202.031†	271.5	0.0108 mg/L	0.00029	0.0108 mg/L	0.00029	2.66%
Na 589.592†	196996.6	54.29 mg/L	0.609	54.29 mg/L	0.609	1.12%
Ni 231.604†	17.9	-0.0023 mg/L	0.00018	-0.0023 mg/L	0.00018	7.81%
P 214.914†	39.3	0.0316 mg/L	0.00397	0.0316 mg/L	0.00397	12.55%
Pb 220.353†	-75.1	-0.0071 mg/L	0.00055	-0.0071 mg/L	0.00055	7.71%
Sb 206.836†	4.8	0.0012 mg/L	0.00006	0.0012 mg/L	0.00006	4.50%
Se 196.026†	-2.2	0.0007 mg/L	0.00270	0.0007 mg/L	0.00270	397.22%
Sn 189.927†	-303.6	-0.0418 mg/L	0.00083	-0.0418 mg/L	0.00083	1.98%
Sr 407.771†	790950.5	1.353 mg/L	0.0171	1.353 mg/L	0.0171	1.26%
Ti 337.279†	117.6	0.0013 mg/L	0.00003	0.0013 mg/L	0.00003	2.47%
Tl 190.801†	9.8	-0.0005 mg/L	0.00328	-0.0005 mg/L	0.00328	623.58%
V 292.402†	8.6	0.0021 mg/L	0.00031	0.0021 mg/L	0.00031	14.63%
Zn 213.857†	3705.4	0.0217 mg/L	0.00031	0.0217 mg/L	0.00031	1.42%

Sequence No.: 73

Sample ID: CCV1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 3

Date Collected: 10/11/2012 9:55:04 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	473.4	448.6	0.5271 mg/L	0.5271 mg/L	21:56:57
1	Fe 234.349†	1773.7	1688.5	2.654 mg/L	2.654 mg/L	21:56:57
1	K 766.490†	35834.9	33892.0	25.30 mg/L	25.30 mg/L	21:56:47
1	Li 670.784†	9101.3	8875.5	0.5112 mg/L	0.5112 mg/L	21:56:57
1	Na 589.592†	96908.1	92776.8	25.52 mg/L	25.52 mg/L	21:56:47
1	Sr 407.771†	31643.0	30089.9	0.0515 mg/L	0.0515 mg/L	21:56:47
1	Y 371.029	3276861.1	3276861.1	1.05 mg/L		21:57:15
1	Ag 328.068†	45241.0	41137.0	0.2552 mg/L	0.2552 mg/L	21:57:15
1	Al 237.313†	27938.3	26810.2	2.570 mg/L	2.570 mg/L	21:57:25
1	As 188.979†	683.0	644.0	0.5052 mg/L	0.5052 mg/L	21:57:25
1	B 182.528†	456.7	442.5	0.5116 mg/L	0.5116 mg/L	21:57:25
1	Ba 233.527†	60215.7	57533.8	0.5176 mg/L	0.5176 mg/L	21:57:15
1	Be 313.107†	110167.9	106044.4	0.0512 mg/L	0.0512 mg/L	21:57:15
1	Ca 315.887†	758730.1	722562.3	5.129 mg/L	5.129 mg/L	21:57:15
1	Cd 228.802†	9986.1	9437.3	0.2478 mg/L	0.2478 mg/L	21:57:25
1	Co 228.616†	31219.0	29828.5	0.5148 mg/L	0.5148 mg/L	21:57:25
1	Cr 267.716†	67397.2	63684.9	0.5131 mg/L	0.5131 mg/L	21:57:15
1	Cu 324.752†	123937.9	116512.4	0.5135 mg/L	0.5135 mg/L	21:57:15
1	Fe 238.204†	425943.6	405635.4	2.578 mg/L	2.578 mg/L	21:57:15
1	Mg 279.077†	92497.6	87949.3	5.169 mg/L	5.169 mg/L	21:57:15
1	Mn 257.610†	464694.6	442927.2	0.5121 mg/L	0.5121 mg/L	21:57:15
1	Mo 202.031†	13511.1	12906.2	0.4988 mg/L	0.4988 mg/L	21:57:25
1	Ni 231.604†	25734.3	24550.0	0.5173 mg/L	0.5173 mg/L	21:57:15

1	P 214.914†	13319.6	12447.4	5.049 mg/L	5.049 mg/L	21:57:25
1	Pb 220.353†	8955.2	8532.7	0.5061 mg/L	0.5061 mg/L	21:57:25
1	Sb 206.836†	980.0	899.6	0.5065 mg/L	0.5065 mg/L	21:57:25
1	Se 196.026†	1662.0	1588.1	1.009 mg/L	1.009 mg/L	21:57:25
1	Sn 189.927†	4022.4	3841.5	0.5104 mg/L	0.5104 mg/L	21:57:25
1	Ti 337.279†	443654.3	424501.9	0.5092 mg/L	0.5092 mg/L	21:57:15
1	Tl 190.801†	974.6	922.5	0.4989 mg/L	0.4989 mg/L	21:57:25
1	V 292.402†	115366.2	111023.2	0.5168 mg/L	0.5168 mg/L	21:57:15
1	Zn 213.857†	80389.1	75632.5	0.5043 mg/L	0.5043 mg/L	21:57:15
2	B 249.677†	470.5	435.6	0.5119 mg/L	0.5119 mg/L	21:57:10
2	Fe 234.349†	1765.0	1641.7	2.580 mg/L	2.580 mg/L	21:57:10
2	K 766.490†	36689.6	33906.6	25.31 mg/L	25.31 mg/L	21:57:00
2	Li 670.784†	9134.2	8707.4	0.5016 mg/L	0.5016 mg/L	21:57:10
2	Na 589.592†	99389.6	92975.1	25.58 mg/L	25.58 mg/L	21:57:00
2	Sr 407.771†	32552.9	30247.5	0.0517 mg/L	0.0517 mg/L	21:57:00
2	Y 371.029	3353584.6	3353584.6	1.07 mg/L		21:57:29
2	Ag 328.068†	45049.7	39970.8	0.2480 mg/L	0.2480 mg/L	21:57:29
2	Al 237.313†	28023.1	26279.4	2.519 mg/L	2.519 mg/L	21:57:39
2	As 188.979†	697.2	642.3	0.5039 mg/L	0.5039 mg/L	21:57:39
2	B 182.528†	458.7	434.4	0.5023 mg/L	0.5023 mg/L	21:57:39
2	Ba 233.527†	59848.0	55876.1	0.5027 mg/L	0.5027 mg/L	21:57:29
2	Be 313.107†	109658.0	103163.5	0.0498 mg/L	0.0498 mg/L	21:57:29
2	Ca 315.887†	754733.0	702269.0	4.985 mg/L	4.985 mg/L	21:57:29
2	Cd 228.802†	10038.2	9267.8	0.2433 mg/L	0.2433 mg/L	21:57:39
2	Co 228.616†	31290.4	29213.4	0.5041 mg/L	0.5041 mg/L	21:57:39
2	Cr 267.716†	67030.1	61871.0	0.4985 mg/L	0.4985 mg/L	21:57:29
2	Cu 324.752†	123399.6	113304.4	0.4993 mg/L	0.4993 mg/L	21:57:29
2	Fe 238.204†	423999.9	394523.0	2.507 mg/L	2.507 mg/L	21:57:29
2	Mg 279.077†	92248.5	85697.4	5.036 mg/L	5.036 mg/L	21:57:29
2	Mn 257.610†	462187.3	430443.0	0.4976 mg/L	0.4976 mg/L	21:57:29
2	Mo 202.031†	13578.5	12674.1	0.4898 mg/L	0.4898 mg/L	21:57:39
2	Ni 231.604†	25775.3	24026.3	0.5062 mg/L	0.5062 mg/L	21:57:29
2	P 214.914†	13353.7	12188.4	4.944 mg/L	4.944 mg/L	21:57:39
2	Pb 220.353†	9026.7	8403.8	0.4984 mg/L	0.4984 mg/L	21:57:39
2	Sb 206.836†	988.7	886.3	0.4990 mg/L	0.4990 mg/L	21:57:39
2	Se 196.026†	1685.8	1574.0	1.001 mg/L	1.001 mg/L	21:57:39
2	Sn 189.927†	4048.8	3778.3	0.5018 mg/L	0.5018 mg/L	21:57:39
2	Ti 337.279†	441117.0	412449.0	0.4948 mg/L	0.4948 mg/L	21:57:29
2	Tl 190.801†	974.8	901.3	0.4873 mg/L	0.4873 mg/L	21:57:39
2	V 292.402†	114863.9	108036.0	0.5030 mg/L	0.5030 mg/L	21:57:29
2	Zn 213.857†	80011.4	73525.1	0.4902 mg/L	0.4902 mg/L	21:57:29

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3315222.8	1.06 mg/L	0.017			1.64%
Ag 328.068†	40553.9	0.2516 mg/L	0.00512	0.2516 mg/L	0.00512	2.04%
QC value within limits for Ag 328.068		Recovery = 100.64%				
Al 237.313†	26544.8	2.545 mg/L	0.0362	2.545 mg/L	0.0362	1.42%
QC value within limits for Al 237.313		Recovery = 101.78%				
As 188.979†	643.2	0.5046 mg/L	0.00092	0.5046 mg/L	0.00092	0.18%
QC value within limits for As 188.979		Recovery = 100.91%				
B 182.528†	438.5	0.5070 mg/L	0.00661	0.5070 mg/L	0.00661	1.30%
QC value within limits for B 182.528		Recovery = 101.39%				
B 249.677†	442.1	0.5195 mg/L	0.01080	0.5195 mg/L	0.01080	2.08%
QC value within limits for B 249.677		Recovery = 103.90%				
Ba 233.527†	56704.9	0.5102 mg/L	0.01058	0.5102 mg/L	0.01058	2.07%
QC value within limits for Ba 233.527		Recovery = 102.03%				
Be 313.107†	104604.0	0.0505 mg/L	0.00098	0.0505 mg/L	0.00098	1.94%
QC value within limits for Be 313.107		Recovery = 101.04%				
Ca 315.887†	712415.7	5.057 mg/L	0.1021	5.057 mg/L	0.1021	2.02%
QC value within limits for Ca 315.887		Recovery = 101.14%				
Cd 228.802†	9352.5	0.2456 mg/L	0.00317	0.2456 mg/L	0.00317	1.29%
QC value within limits for Cd 228.802		Recovery = 98.24%				
Co 228.616†	29520.9	0.5094 mg/L	0.00757	0.5094 mg/L	0.00757	1.49%
QC value within limits for Co 228.616		Recovery = 101.88%				
Cr 267.716†	62778.0	0.5058 mg/L	0.01034	0.5058 mg/L	0.01034	2.04%
QC value within limits for Cr 267.716		Recovery = 101.16%				
Cu 324.752†	114908.4	0.5064 mg/L	0.01004	0.5064 mg/L	0.01004	1.98%
QC value within limits for Cu 324.752		Recovery = 101.29%				
Fe 234.349†	1665.1	2.617 mg/L	0.0521	2.617 mg/L	0.0521	1.99%
QC value within limits for Fe 234.349		Recovery = 104.69%				

Fe 238.204†	400079.2	2.542 mg/L	0.0501	2.542 mg/L	0.0501	1.97%
QC value within limits for Fe 238.204 Recovery = 101.68%						
K 766.490†	33899.3	25.31 mg/L	0.008	25.31 mg/L	0.008	0.03%
QC value within limits for K 766.490 Recovery = 101.24%						
Li 670.784†	8791.5	0.5064 mg/L	0.00683	0.5064 mg/L	0.00683	1.35%
QC value within limits for Li 670.784 Recovery = 101.28%						
Mg 279.077†	86823.4	5.103 mg/L	0.0941	5.103 mg/L	0.0941	1.84%
QC value within limits for Mg 279.077 Recovery = 102.06%						
Mn 257.610†	436685.1	0.5049 mg/L	0.01025	0.5049 mg/L	0.01025	2.03%
QC value within limits for Mn 257.610 Recovery = 100.97%						
Mo 202.031†	12790.1	0.4943 mg/L	0.00633	0.4943 mg/L	0.00633	1.28%
QC value within limits for Mo 202.031 Recovery = 98.86%						
Na 589.592†	92875.9	25.55 mg/L	0.039	25.55 mg/L	0.039	0.15%
QC value within limits for Na 589.592 Recovery = 102.21%						
Ni 231.604†	24288.2	0.5117 mg/L	0.00784	0.5117 mg/L	0.00784	1.53%
QC value within limits for Ni 231.604 Recovery = 102.35%						
P 214.914†	12317.9	4.997 mg/L	0.0741	4.997 mg/L	0.0741	1.48%
QC value within limits for P 214.914 Recovery = 99.94%						
Pb 220.353†	8468.2	0.5023 mg/L	0.00542	0.5023 mg/L	0.00542	1.08%
QC value within limits for Pb 220.353 Recovery = 100.46%						
Sb 206.836†	893.0	0.5028 mg/L	0.00530	0.5028 mg/L	0.00530	1.05%
QC value within limits for Sb 206.836 Recovery = 100.55%						
Se 196.026†	1581.1	1.005 mg/L	0.0063	1.005 mg/L	0.0063	0.63%
QC value within limits for Se 196.026 Recovery = 100.50%						
Sn 189.927†	3809.9	0.5061 mg/L	0.00602	0.5061 mg/L	0.00602	1.19%
QC value within limits for Sn 189.927 Recovery = 101.22%						
Sr 407.771†	30168.7	0.0516 mg/L	0.00019	0.0516 mg/L	0.00019	0.37%
QC value within limits for Sr 407.771 Recovery = 103.21%						
Ti 337.279†	418475.5	0.5020 mg/L	0.01020	0.5020 mg/L	0.01020	2.03%
QC value within limits for Ti 337.279 Recovery = 100.39%						
Tl 190.801†	911.9	0.4931 mg/L	0.00817	0.4931 mg/L	0.00817	1.66%
QC value within limits for Tl 190.801 Recovery = 98.62%						
V 292.402†	109529.6	0.5099 mg/L	0.00977	0.5099 mg/L	0.00977	1.92%
QC value within limits for V 292.402 Recovery = 101.98%						
Zn 213.857†	74578.8	0.4973 mg/L	0.01002	0.4973 mg/L	0.01002	2.01%
QC value within limits for Zn 213.857 Recovery = 99.45%						

All analyte(s) passed QC.

Sequence No.: 74

Autosampler Location: 1

Sample ID: CCB1

Date Collected: 10/11/2012 9:59:18 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	4.0	0.4	0.0016	mg/L	0.0016 mg/L	22:01:17
1	Fe 234.349†	-2.6	-6.4	-0.0093	mg/L	-0.0093 mg/L	22:01:17
1	K 766.490†	339.4	-10.4	0.0371	mg/L	0.0371 mg/L	22:01:07
1	Li 670.784†	-125.2	80.1	0.0057	mg/L	0.0057 mg/L	22:01:07
1	Na 589.592†	64.0	348.1	0.0178	mg/L	0.0178 mg/L	22:01:07
1	Sr 407.771†	129.6	4.5	0.0000	mg/L	0.0000 mg/L	22:01:07
1	Y 371.029	3576544.0	3576544.0	1.14	mg/L		22:01:41
1	Ag 328.068†	2034.7	-259.9	-0.0019	mg/L	-0.0019 mg/L	22:01:44
1	Al 237.313†	-260.0	-80.1	-0.0245	mg/L	-0.0245 mg/L	22:01:44
1	As 188.979†	7.1	-1.7	0.0005	mg/L	0.0005 mg/L	22:01:54
1	B 182.528†	-6.0	1.5	0.0035	mg/L	0.0035 mg/L	22:01:54
1	Ba 233.527†	-71.3	4.2	-0.0015	mg/L	-0.0015 mg/L	22:01:54
1	Be 313.107†	-905.6	113.2	0.0001	mg/L	0.0001 mg/L	22:01:44
1	Ca 315.887†	761.8	-869.8	-0.0198	mg/L	-0.0198 mg/L	22:01:44
1	Cd 228.802†	97.7	-7.6	-0.0003	mg/L	-0.0003 mg/L	22:01:54
1	Co 228.616†	-11.3	24.6	-0.0041	mg/L	-0.0041 mg/L	22:01:54
1	Cr 267.716†	653.4	-64.6	-0.0011	mg/L	-0.0011 mg/L	22:01:44
1	Cu 324.752†	1976.0	-40.6	-0.0022	mg/L	-0.0022 mg/L	22:01:44
1	Fe 238.204†	694.4	-259.0	-0.0108	mg/L	-0.0108 mg/L	22:01:54
1	Mg 279.077†	229.5	-125.6	-0.0348	mg/L	-0.0348 mg/L	22:01:44
1	Mn 257.610†	505.8	-114.4	-0.0023	mg/L	-0.0023 mg/L	22:01:44
1	Mo 202.031†	-8.2	4.6	0.0005	mg/L	0.0005 mg/L	22:01:54
1	Ni 231.604†	27.1	14.0	-0.0024	mg/L	-0.0024 mg/L	22:01:44
1	P 214.914†	252.3	-43.6	-0.0021	mg/L	-0.0021 mg/L	22:01:54

1	Pb 220.353†	-1.4	-15.0	-0.0035 mg/L	-0.0035 mg/L	22:01:54
1	Sb 206.836†	38.0	-2.5	-0.0029 mg/L	-0.0029 mg/L	22:01:54
1	Se 196.026†	-0.3	1.7	0.0031 mg/L	0.0031 mg/L	22:01:54
1	Sn 189.927†	-5.4	-2.1	-0.0025 mg/L	-0.0025 mg/L	22:01:54
1	Ti 337.279†	-1055.7	174.8	0.0014 mg/L	0.0014 mg/L	22:01:44
1	Tl 190.801†	6.6	-2.0	-0.0070 mg/L	-0.0070 mg/L	22:01:54
1	V 292.402†	-1017.1	33.5	0.0022 mg/L	0.0022 mg/L	22:01:44
1	Zn 213.857†	1121.2	-107.0	-0.0041 mg/L	-0.0041 mg/L	22:01:54
2	B 249.677†	2.8	-0.7	0.0004 mg/L	0.0004 mg/L	22:01:38
2	Fe 234.349†	-0.3	-4.4	-0.0062 mg/L	-0.0062 mg/L	22:01:38
2	K 766.490†	314.3	-32.0	0.0210 mg/L	0.0210 mg/L	22:01:28
2	Li 670.784†	-113.0	90.6	0.0063 mg/L	0.0063 mg/L	22:01:28
2	Na 589.592†	43.3	330.0	0.0128 mg/L	0.0128 mg/L	22:01:28
2	Sr 407.771†	107.9	-14.3	0.0000 mg/L	0.0000 mg/L	22:01:28
2	Y 371.029	3571566.1	3571566.1	1.14 mg/L		22:01:56
2	Ag 328.068†	2006.7	-282.0	-0.0020 mg/L	-0.0020 mg/L	22:01:58
2	Al 237.313†	-376.4	-182.3	-0.0343 mg/L	-0.0343 mg/L	22:01:58
2	As 188.979†	18.6	8.4	0.0084 mg/L	0.0084 mg/L	22:02:09
2	B 182.528†	-6.8	0.7	0.0026 mg/L	0.0026 mg/L	22:02:09
2	Ba 233.527†	-59.7	14.3	-0.0014 mg/L	-0.0014 mg/L	22:02:09
2	Be 313.107†	-919.4	100.1	0.0001 mg/L	0.0001 mg/L	22:01:58
2	Ca 315.887†	557.9	-1047.4	-0.0210 mg/L	-0.0210 mg/L	22:01:58
2	Cd 228.802†	99.8	-5.7	-0.0002 mg/L	-0.0002 mg/L	22:02:09
2	Co 228.616†	-24.8	12.7	-0.0043 mg/L	-0.0043 mg/L	22:02:09
2	Cr 267.716†	610.4	-101.5	-0.0014 mg/L	-0.0014 mg/L	22:01:58
2	Cu 324.752†	1982.6	-32.5	-0.0021 mg/L	-0.0021 mg/L	22:01:58
2	Fe 238.204†	681.2	-269.7	-0.0109 mg/L	-0.0109 mg/L	22:02:09
2	Mg 279.077†	239.9	-116.2	-0.0342 mg/L	-0.0342 mg/L	22:01:58
2	Mn 257.610†	584.2	-45.1	-0.0022 mg/L	-0.0022 mg/L	22:01:58
2	Mo 202.031†	0.5	12.2	0.0008 mg/L	0.0008 mg/L	22:02:09
2	Ni 231.604†	35.5	21.4	-0.0023 mg/L	-0.0023 mg/L	22:01:58
2	P 214.914†	254.7	-41.2	-0.0011 mg/L	-0.0011 mg/L	22:02:09
2	Pb 220.353†	8.4	-6.5	-0.0030 mg/L	-0.0030 mg/L	22:02:09
2	Sb 206.836†	38.0	-2.4	-0.0028 mg/L	-0.0028 mg/L	22:02:09
2	Se 196.026†	4.8	6.1	0.0059 mg/L	0.0059 mg/L	22:02:09
2	Sn 189.927†	-0.4	2.3	-0.0019 mg/L	-0.0019 mg/L	22:02:09
2	Ti 337.279†	-1076.6	155.2	0.0014 mg/L	0.0014 mg/L	22:01:58
2	Tl 190.801†	5.4	-3.0	-0.0076 mg/L	-0.0076 mg/L	22:02:09
2	V 292.402†	-1058.8	-4.2	0.0020 mg/L	0.0020 mg/L	22:01:58
2	Zn 213.857†	1134.2	-94.2	-0.0040 mg/L	-0.0040 mg/L	22:02:09

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3574055.1	1.14 mg/L	0.001			0.10%
Ag 328.068†	-270.9	-0.0019 mg/L	0.00010	-0.0019 mg/L	0.00010	4.96%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-131.2	-0.0294 mg/L	0.00696	-0.0294 mg/L	0.00696	23.70%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	3.4	0.0045 mg/L	0.00557	0.0045 mg/L	0.00557	124.48%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	1.1	0.0030 mg/L	0.00060	0.0030 mg/L	0.00060	19.66%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-0.1	0.0010 mg/L	0.00086	0.0010 mg/L	0.00086	83.53%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	9.2	-0.0015 mg/L	0.00006	-0.0015 mg/L	0.00006	4.37%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	106.6	0.0001 mg/L	0.00000	0.0001 mg/L	0.00000	3.55%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-958.6	-0.0204 mg/L	0.00089	-0.0204 mg/L	0.00089	4.38%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	-6.6	-0.0002 mg/L	0.00001	-0.0002 mg/L	0.00001	4.98%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	18.7	-0.0042 mg/L	0.00015	-0.0042 mg/L	0.00015	3.50%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-83.1	-0.0012 mg/L	0.00021	-0.0012 mg/L	0.00021	17.36%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-36.6	-0.0021 mg/L	0.00003	-0.0021 mg/L	0.00003	1.19%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	-5.4	-0.0078 mg/L	0.00224	-0.0078 mg/L	0.00224	28.79%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	-264.3	-0.0109 mg/L	0.00005	-0.0109 mg/L	0.00005	0.45%

QC value within limits for Fe 238.204	Recovery = Not calculated					
K 766.490†	-21.2	0.0290 mg/L	0.01137	0.0290 mg/L	0.01137	39.14%
QC value within limits for K 766.490	Recovery = Not calculated					
Li 670.784†	85.4	0.0060 mg/L	0.00043	0.0060 mg/L	0.00043	7.07%
QC value within limits for Li 670.784	Recovery = Not calculated					
Mg 279.077†	-120.9	-0.0345 mg/L	0.00039	-0.0345 mg/L	0.00039	1.14%
QC value less than the lower limit for Mg 279.077	Recovery = Not calculated					
Mn 257.610†	-79.8	-0.0023 mg/L	0.00006	-0.0023 mg/L	0.00006	2.52%
QC value within limits for Mn 257.610	Recovery = Not calculated					
Mo 202.031†	8.4	0.0007 mg/L	0.00021	0.0007 mg/L	0.00021	30.29%
QC value within limits for Mo 202.031	Recovery = Not calculated					
Na 589.592†	339.0	0.0153 mg/L	0.00353	0.0153 mg/L	0.00353	23.11%
QC value within limits for Na 589.592	Recovery = Not calculated					
Ni 231.604†	17.7	-0.0023 mg/L	0.00011	-0.0023 mg/L	0.00011	4.75%
QC value less than the lower limit for Ni 231.604	Recovery = Not calculated					
P 214.914†	-42.4	-0.0016 mg/L	0.00068	-0.0016 mg/L	0.00068	42.36%
QC value within limits for P 214.914	Recovery = Not calculated					
Pb 220.353†	-10.7	-0.0033 mg/L	0.00036	-0.0033 mg/L	0.00036	11.16%
QC value within limits for Pb 220.353	Recovery = Not calculated					
Sb 206.836†	-2.5	-0.0028 mg/L	0.00002	-0.0028 mg/L	0.00002	0.59%
QC value within limits for Sb 206.836	Recovery = Not calculated					
Se 196.026†	3.9	0.0045 mg/L	0.00197	0.0045 mg/L	0.00197	43.69%
QC value within limits for Se 196.026	Recovery = Not calculated					
Sn 189.927†	0.1	-0.0022 mg/L	0.00041	-0.0022 mg/L	0.00041	18.50%
QC value within limits for Sn 189.927	Recovery = Not calculated					
Sr 407.771†	-4.9	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	892.37%
QC value within limits for Sr 407.771	Recovery = Not calculated					
Ti 337.279†	165.0	0.0014 mg/L	0.00002	0.0014 mg/L	0.00002	1.20%
QC value greater than the upper limit for Ti 337.279	Recovery = Not calculated					
Tl 190.801†	-2.5	-0.0073 mg/L	0.00041	-0.0073 mg/L	0.00041	5.68%
QC value within limits for Tl 190.801	Recovery = Not calculated					
V 292.402†	14.7	0.0021 mg/L	0.00012	0.0021 mg/L	0.00012	5.77%
QC value greater than the upper limit for V 292.402	Recovery = Not calculated					
Zn 213.857†	-100.6	-0.0041 mg/L	0.00006	-0.0041 mg/L	0.00006	1.49%
QC value within limits for Zn 213.857	Recovery = Not calculated					
QC Failed. Continue with analysis.						

Sequence No.: 75
Sample ID: CJ21101-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 10/11/2012 10:03:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21101-DUP2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	12.9	8.9	0.0116 mg/L	0.0116 mg/L	22:05:39
1	Fe 234.349†	79.4	69.6	0.0834 mg/L	0.0834 mg/L	22:05:39
1	K 766.490†	1992.9	1546.4	1.197 mg/L	1.197 mg/L	22:05:29
1	Li 670.784†	490.9	646.1	0.0383 mg/L	0.0383 mg/L	22:05:29
1	Na 589.592†	207099.1	192912.4	53.16 mg/L	53.16 mg/L	22:05:27
1	Sr 407.771†	834272.3	775837.8	1.327 mg/L	1.327 mg/L	22:05:27
1	Y 371.029	3362360.2	3362360.2	1.08 mg/L		22:05:58
1	Ag 328.068†	1866.2	-303.2	-0.0021 mg/L	-0.0021 mg/L	22:06:00
1	Al 237.313†	-203.0	-41.6	-0.0207 mg/L	-0.0207 mg/L	22:06:10
1	As 188.979†	14.8	5.9	0.0065 mg/L	0.0065 mg/L	22:06:10
1	B 182.528†	1.2	7.8	0.0108 mg/L	0.0108 mg/L	22:06:10
1	Ba 233.527†	25271.6	23571.3	0.2113 mg/L	0.2113 mg/L	22:06:00
1	Be 313.107†	-935.7	34.8	0.0001 mg/L	0.0001 mg/L	22:06:00
1	Ca 315.887†	4630832.6	4305545.4	30.61 mg/L	30.61 mg/L	22:05:58
1	Cd 228.802†	102.7	2.5	0.0000 mg/L	0.0000 mg/L	22:06:10
1	Co 228.616†	-67.1	-28.0	-0.0050 mg/L	-0.0050 mg/L	22:06:10
1	Cr 267.716†	675.6	-7.6	-0.0006 mg/L	-0.0006 mg/L	22:06:00
1	Cu 324.752†	2400.7	464.4	0.0001 mg/L	0.0001 mg/L	22:06:00
1	Fe 238.204†	9067.0	7567.0	0.0390 mg/L	0.0390 mg/L	22:06:10
1	Mg 279.077†	107411.1	99575.5	5.855 mg/L	5.855 mg/L	22:06:00
1	Mn 257.610†	44011.7	40378.1	0.0447 mg/L	0.0447 mg/L	22:06:00
1	Mo 202.031†	271.7	264.5	0.0106 mg/L	0.0106 mg/L	22:06:10
1	Ni 231.604†	25.8	14.3	-0.0024 mg/L	-0.0024 mg/L	22:06:10
1	P 214.914†	333.5	46.0	0.0344 mg/L	0.0344 mg/L	22:06:10
1	Pb 220.353†	-86.2	-93.9	-0.0083 mg/L	-0.0083 mg/L	22:06:10

1	Sb 206.836†	50.4	11.2	0.0048 mg/L	0.0048 mg/L	22:06:10
1	Se 196.026†	-8.1	-5.6	-0.0015 mg/L	-0.0015 mg/L	22:06:10
1	Sn 189.927†	-316.7	-291.9	-0.0403 mg/L	-0.0403 mg/L	22:06:10
1	Ti 337.279†	-837.7	318.8	0.0016 mg/L	0.0016 mg/L	22:06:00
1	Tl 190.801†	20.4	11.3	0.0003 mg/L	0.0003 mg/L	22:06:10
1	V 292.402†	-1083.6	-85.0	0.0017 mg/L	0.0017 mg/L	22:06:00
1	Zn 213.857†	5217.3	3765.2	0.0221 mg/L	0.0221 mg/L	22:06:10
2	B 249.677†	17.8	13.5	0.0171 mg/L	0.0171 mg/L	22:05:54
2	Fe 234.349†	62.9	54.4	0.0594 mg/L	0.0594 mg/L	22:05:54
2	K 766.490†	1997.1	1552.5	1.202 mg/L	1.202 mg/L	22:05:44
2	Li 670.784†	483.2	639.6	0.0379 mg/L	0.0379 mg/L	22:05:44
2	Na 589.592†	207052.2	193103.2	53.21 mg/L	53.21 mg/L	22:05:42
2	Sr 407.771†	833741.9	776288.1	1.328 mg/L	1.328 mg/L	22:05:42
2	Y 371.029	3358273.6	3358273.6	1.07 mg/L		22:06:13
2	Ag 328.068†	1962.7	-211.3	-0.0016 mg/L	-0.0016 mg/L	22:06:15
2	Al 237.313†	-262.6	-97.3	-0.0261 mg/L	-0.0261 mg/L	22:06:26
2	As 188.979†	17.5	8.5	0.0085 mg/L	0.0085 mg/L	22:06:26
2	B 182.528†	-3.2	3.7	0.0061 mg/L	0.0061 mg/L	22:06:26
2	Ba 233.527†	25390.4	23710.5	0.2125 mg/L	0.2125 mg/L	22:06:15
2	Be 313.107†	-894.8	71.8	0.0001 mg/L	0.0001 mg/L	22:06:15
2	Ca 315.887†	4611701.2	4292971.1	30.53 mg/L	30.53 mg/L	22:06:13
2	Cd 228.802†	107.6	7.2	0.0001 mg/L	0.0001 mg/L	22:06:26
2	Co 228.616†	-92.6	-51.8	-0.0054 mg/L	-0.0054 mg/L	22:06:26
2	Cr 267.716†	692.5	8.9	-0.0005 mg/L	-0.0005 mg/L	22:06:15
2	Cu 324.752†	2397.9	464.5	0.0001 mg/L	0.0001 mg/L	22:06:15
2	Fe 238.204†	9057.2	7568.1	0.0391 mg/L	0.0391 mg/L	22:06:26
2	Mg 279.077†	108140.5	100376.2	5.902 mg/L	5.902 mg/L	22:06:15
2	Mn 257.610†	44384.0	40774.6	0.0452 mg/L	0.0452 mg/L	22:06:15
2	Mo 202.031†	257.9	251.9	0.0101 mg/L	0.0101 mg/L	22:06:26
2	Ni 231.604†	32.4	20.5	-0.0023 mg/L	-0.0023 mg/L	22:06:26
2	P 214.914†	332.5	45.4	0.0341 mg/L	0.0341 mg/L	22:06:26
2	Pb 220.353†	-53.3	-63.4	-0.0064 mg/L	-0.0064 mg/L	22:06:26
2	Sb 206.836†	51.9	12.6	0.0056 mg/L	0.0056 mg/L	22:06:26
2	Se 196.026†	-2.2	-0.1	0.0020 mg/L	0.0020 mg/L	22:06:26
2	Sn 189.927†	-327.9	-302.7	-0.0418 mg/L	-0.0418 mg/L	22:06:26
2	Ti 337.279†	-1021.5	146.6	0.0014 mg/L	0.0014 mg/L	22:06:15
2	Tl 190.801†	22.2	13.0	0.0012 mg/L	0.0012 mg/L	22:06:26
2	V 292.402†	-1015.8	-23.0	0.0020 mg/L	0.0020 mg/L	22:06:15
2	Zn 213.857†	5256.6	3807.7	0.0224 mg/L	0.0224 mg/L	22:06:26

Mean Data: CJ21101-DUP2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3360316.9	1.07 mg/L	0.001			0.09%
Ag 328.068†	-257.3	-0.0019 mg/L	0.00040	-0.0019 mg/L	0.00040	21.69%
Al 237.313†	-69.5	-0.0234 mg/L	0.00379	-0.0234 mg/L	0.00379	16.19%
As 188.979†	7.2	0.0075 mg/L	0.00142	0.0075 mg/L	0.00142	19.03%
B 182.528†	5.8	0.0084 mg/L	0.00333	0.0084 mg/L	0.00333	39.51%
B 249.677†	11.2	0.0143 mg/L	0.00385	0.0143 mg/L	0.00385	26.84%
Ba 233.527†	23640.9	0.2119 mg/L	0.00089	0.2119 mg/L	0.00089	0.42%
Be 313.107†	53.3	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	12.50%
Ca 315.887†	4299258.3	30.57 mg/L	0.063	30.57 mg/L	0.063	0.21%
Cd 228.802†	4.8	0.0000 mg/L	0.00008	0.0000 mg/L	0.00008	169.55%
Co 228.616†	-39.9	-0.0052 mg/L	0.00029	-0.0052 mg/L	0.00029	5.65%
Cr 267.716†	0.7	-0.0005 mg/L	0.00009	-0.0005 mg/L	0.00009	17.99%
Cu 324.752†	464.4	0.0001 mg/L	0.00000	0.0001 mg/L	0.00000	0.52%
Fe 234.349†	62.0	0.0714 mg/L	0.01696	0.0714 mg/L	0.01696	23.76%
Fe 238.204†	7567.5	0.0391 mg/L	0.00001	0.0391 mg/L	0.00001	0.01%
K 766.490†	1549.4	1.200 mg/L	0.0032	1.200 mg/L	0.0032	0.27%
Li 670.784†	642.8	0.0381 mg/L	0.00027	0.0381 mg/L	0.00027	0.70%
Mg 279.077†	99975.9	5.878 mg/L	0.0334	5.878 mg/L	0.0334	0.57%
Mn 257.610†	40576.3	0.0449 mg/L	0.00033	0.0449 mg/L	0.00033	0.72%
Mo 202.031†	258.2	0.0103 mg/L	0.00034	0.0103 mg/L	0.00034	3.28%
Na 589.592†	193007.8	53.18 mg/L	0.037	53.18 mg/L	0.037	0.07%
Ni 231.604†	17.4	-0.0023 mg/L	0.00009	-0.0023 mg/L	0.00009	3.97%
P 214.914†	45.7	0.0342 mg/L	0.00020	0.0342 mg/L	0.00020	0.58%
Pb 220.353†	-78.7	-0.0074 mg/L	0.00129	-0.0074 mg/L	0.00129	17.56%
Sb 206.836†	11.9	0.0052 mg/L	0.00058	0.0052 mg/L	0.00058	11.03%
Se 196.026†	-2.8	0.0003 mg/L	0.00247	0.0003 mg/L	0.00247	888.60%
Sn 189.927†	-297.3	-0.0410 mg/L	0.00105	-0.0410 mg/L	0.00105	2.56%
Sr 407.771†	776062.9	1.327 mg/L	0.0005	1.327 mg/L	0.0005	0.04%
Ti 337.279†	232.7	0.0015 mg/L	0.00015	0.0015 mg/L	0.00015	9.99%

Tl 190.801†	12.1	0.0008 mg/L	0.00069	0.0008 mg/L	0.00069	91.95%
V 292.402†	-54.0	0.0019 mg/L	0.00020	0.0019 mg/L	0.00020	10.88%
Zn 213.857†	3786.5	0.0222 mg/L	0.00020	0.0222 mg/L	0.00020	0.91%

Sequence No.: 76
Sample ID: CJ21101-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 10/11/2012 10:08:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21101-MS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	519.8	498.0	0.5851 mg/L	0.5851 mg/L	22:10:00
1	Fe 234.349†	1924.1	1850.9	2.882 mg/L	2.882 mg/L	22:10:00
1	K 766.490†	39494.7	37771.3	28.19 mg/L	28.19 mg/L	22:09:50
1	Li 670.784†	10481.0	10294.8	0.5928 mg/L	0.5928 mg/L	22:10:00
1	Na 589.592†	310236.8	299404.4	82.55 mg/L	82.55 mg/L	22:09:50
1	Sr 407.771†	881978.7	850243.8	1.454 mg/L	1.454 mg/L	22:09:50
1	Y 371.029	3243599.8	3243599.8	1.04 mg/L		22:10:17
1	Ag 328.068†	47258.1	43524.5	0.2701 mg/L	0.2701 mg/L	22:10:20
1	Al 237.313†	27995.2	27138.6	2.602 mg/L	2.602 mg/L	22:10:30
1	As 188.979†	746.1	711.5	0.5580 mg/L	0.5580 mg/L	22:10:30
1	B 182.528†	505.0	493.6	0.5705 mg/L	0.5705 mg/L	22:10:30
1	Ba 233.527†	87103.3	84046.5	0.7570 mg/L	0.7570 mg/L	22:10:20
1	Be 313.107†	115752.8	112507.2	0.0543 mg/L	0.0543 mg/L	22:10:20
1	Ca 315.887†	5348650.2	5155321.8	36.66 mg/L	36.66 mg/L	22:10:17
1	Cd 228.802†	10346.3	9882.3	0.2594 mg/L	0.2594 mg/L	22:10:30
1	Co 228.616†	31728.2	30624.9	0.5286 mg/L	0.5286 mg/L	22:10:30
1	Cr 267.716†	69769.9	66632.1	0.5369 mg/L	0.5369 mg/L	22:10:20
1	Cu 324.752†	128569.9	122191.2	0.5387 mg/L	0.5387 mg/L	22:10:20
1	Fe 238.204†	441180.5	424494.5	2.698 mg/L	2.698 mg/L	22:10:20
1	Mg 279.077†	201247.3	193704.7	11.42 mg/L	11.42 mg/L	22:10:20
1	Mn 257.610†	517202.9	498100.3	0.5762 mg/L	0.5762 mg/L	22:10:20
1	Mo 202.031†	14303.2	13802.1	0.5334 mg/L	0.5334 mg/L	22:10:30
1	Ni 231.604†	26043.2	25099.6	0.5290 mg/L	0.5290 mg/L	22:10:20
1	P 214.914†	14370.8	13591.3	5.512 mg/L	5.512 mg/L	22:10:30
1	Pb 220.353†	9158.1	8815.9	0.5230 mg/L	0.5230 mg/L	22:10:30
1	Sb 206.836†	1042.2	969.1	0.5457 mg/L	0.5457 mg/L	22:10:30
1	Se 196.026†	1773.5	1711.9	1.088 mg/L	1.088 mg/L	22:10:30
1	Sn 189.927†	4093.9	3949.8	0.5253 mg/L	0.5253 mg/L	22:10:30
1	Ti 337.279†	464807.4	449238.2	0.5388 mg/L	0.5388 mg/L	22:10:20
1	Tl 190.801†	1006.9	963.1	0.5211 mg/L	0.5211 mg/L	22:10:30
1	V 292.402†	119675.0	116306.6	0.5414 mg/L	0.5414 mg/L	22:10:20
1	Zn 213.857†	87429.3	83206.9	0.5555 mg/L	0.5555 mg/L	22:10:20
2	B 249.677†	516.8	486.9	0.5721 mg/L	0.5721 mg/L	22:10:13
2	Fe 234.349†	1902.8	1800.1	2.802 mg/L	2.802 mg/L	22:10:13
2	K 766.490†	39123.9	36790.6	27.46 mg/L	27.46 mg/L	22:10:03
2	Li 670.784†	10443.7	10092.5	0.5812 mg/L	0.5812 mg/L	22:10:13
2	Na 589.592†	308418.0	292738.9	80.71 mg/L	80.71 mg/L	22:10:03
2	Sr 407.771†	873870.3	828508.7	1.417 mg/L	1.417 mg/L	22:10:03
2	Y 371.029	3298079.3	3298079.3	1.05 mg/L		22:10:32
2	Ag 328.068†	47128.1	42648.6	0.2646 mg/L	0.2646 mg/L	22:10:35
2	Al 237.313†	27973.0	26671.6	2.557 mg/L	2.557 mg/L	22:10:45
2	As 188.979†	732.5	686.8	0.5387 mg/L	0.5387 mg/L	22:10:45
2	B 182.528†	501.0	481.7	0.5568 mg/L	0.5568 mg/L	22:10:45
2	Ba 233.527†	87232.2	82781.5	0.7456 mg/L	0.7456 mg/L	22:10:35
2	Be 313.107†	116301.3	111183.8	0.0537 mg/L	0.0537 mg/L	22:10:35
2	Ca 315.887†	5397874.8	5116813.7	36.39 mg/L	36.39 mg/L	22:10:32
2	Cd 228.802†	10317.3	9690.0	0.2544 mg/L	0.2544 mg/L	22:10:45
2	Co 228.616†	31698.1	30091.1	0.5193 mg/L	0.5193 mg/L	22:10:45
2	Cr 267.716†	69936.0	65678.4	0.5292 mg/L	0.5292 mg/L	22:10:35
2	Cu 324.752†	128556.2	120130.6	0.5295 mg/L	0.5295 mg/L	22:10:35
2	Fe 238.204†	442005.5	418250.4	2.658 mg/L	2.658 mg/L	22:10:35
2	Mg 279.077†	201774.7	190999.6	11.26 mg/L	11.26 mg/L	22:10:35
2	Mn 257.610†	518171.9	490782.0	0.5677 mg/L	0.5677 mg/L	22:10:35
2	Mo 202.031†	14252.2	13525.9	0.5227 mg/L	0.5227 mg/L	22:10:45
2	Ni 231.604†	26021.9	24664.7	0.5197 mg/L	0.5197 mg/L	22:10:35
2	P 214.914†	14368.3	13360.0	5.419 mg/L	5.419 mg/L	22:10:45
2	Pb 220.353†	9140.9	8653.8	0.5133 mg/L	0.5133 mg/L	22:10:45
2	Sb 206.836†	1035.5	946.2	0.5328 mg/L	0.5328 mg/L	22:10:45

2	Se 196.026†	1771.4	1681.6	1.069 mg/L	1.069 mg/L	22:10:45
2	Sn 189.927†	4101.4	3891.7	0.5175 mg/L	0.5175 mg/L	22:10:45
2	Ti 337.279†	465660.0	442644.0	0.5309 mg/L	0.5309 mg/L	22:10:35
2	Tl 190.801†	1007.2	947.3	0.5125 mg/L	0.5125 mg/L	22:10:45
2	V 292.402†	119879.5	114594.5	0.5334 mg/L	0.5334 mg/L	22:10:35
2	Zn 213.857†	87540.3	81919.8	0.5468 mg/L	0.5468 mg/L	22:10:35

Mean Data: CJ21101-MS2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3270839.5	1.05 mg/L	0.012			1.18%
Ag 328.068†	43086.5	0.2673 mg/L	0.00385	0.2673 mg/L	0.00385	1.44%
Al 237.313†	26905.1	2.579 mg/L	0.0319	2.579 mg/L	0.0319	1.23%
As 188.979†	699.1	0.5483 mg/L	0.01370	0.5483 mg/L	0.01370	2.50%
B 182.528†	487.7	0.5637 mg/L	0.00965	0.5637 mg/L	0.00965	1.71%
B 249.677†	492.5	0.5786 mg/L	0.00921	0.5786 mg/L	0.00921	1.59%
Ba 233.527†	83414.0	0.7513 mg/L	0.00807	0.7513 mg/L	0.00807	1.07%
Be 313.107†	111845.5	0.0540 mg/L	0.00045	0.0540 mg/L	0.00045	0.84%
Ca 315.887†	5136067.7	36.53 mg/L	0.194	36.53 mg/L	0.194	0.53%
Cd 228.802†	9786.2	0.2569 mg/L	0.00354	0.2569 mg/L	0.00354	1.38%
Co 228.616†	30358.0	0.5240 mg/L	0.00657	0.5240 mg/L	0.00657	1.25%
Cr 267.716†	66155.3	0.5330 mg/L	0.00544	0.5330 mg/L	0.00544	1.02%
Cu 324.752†	121160.9	0.5341 mg/L	0.00645	0.5341 mg/L	0.00645	1.21%
Fe 234.349†	1825.5	2.842 mg/L	0.0565	2.842 mg/L	0.0565	1.99%
Fe 238.204†	421372.4	2.678 mg/L	0.0282	2.678 mg/L	0.0282	1.05%
K 766.490†	37281.0	27.83 mg/L	0.517	27.83 mg/L	0.517	1.86%
Li 670.784†	10193.6	0.5870 mg/L	0.00822	0.5870 mg/L	0.00822	1.40%
Mg 279.077†	192352.2	11.34 mg/L	0.113	11.34 mg/L	0.113	1.00%
Mn 257.610†	494441.2	0.5719 mg/L	0.00601	0.5719 mg/L	0.00601	1.05%
Mo 202.031†	13664.0	0.5281 mg/L	0.00754	0.5281 mg/L	0.00754	1.43%
Na 589.592†	296071.6	81.63 mg/L	1.301	81.63 mg/L	1.301	1.59%
Ni 231.604†	24882.2	0.5243 mg/L	0.00652	0.5243 mg/L	0.00652	1.24%
P 214.914†	13475.6	5.465 mg/L	0.0662	5.465 mg/L	0.0662	1.21%
Pb 220.353†	8734.8	0.5181 mg/L	0.00684	0.5181 mg/L	0.00684	1.32%
Sb 206.836†	957.6	0.5392 mg/L	0.00915	0.5392 mg/L	0.00915	1.70%
Se 196.026†	1696.7	1.078 mg/L	0.0136	1.078 mg/L	0.0136	1.26%
Sn 189.927†	3920.7	0.5214 mg/L	0.00556	0.5214 mg/L	0.00556	1.07%
Sr 407.771†	839376.3	1.436 mg/L	0.0263	1.436 mg/L	0.0263	1.83%
Ti 337.279†	445941.1	0.5348 mg/L	0.00558	0.5348 mg/L	0.00558	1.04%
Tl 190.801†	955.2	0.5168 mg/L	0.00610	0.5168 mg/L	0.00610	1.18%
V 292.402†	115450.5	0.5374 mg/L	0.00562	0.5374 mg/L	0.00562	1.05%
Zn 213.857†	82563.4	0.5511 mg/L	0.00611	0.5511 mg/L	0.00611	1.11%

Sequence No.: 77

Autosampler Location: 70

Sample ID: CJ21101-SD2 @5

Date Collected: 10/11/2012 10:12:24 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ21101-SD2 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.1	-0.3	0.0009 mg/L	0.0009 mg/L	22:14:18
1	Fe 234.349†	17.7	11.9	0.0140 mg/L	0.0140 mg/L	22:14:18
1	K 766.490†	677.8	308.0	0.2745 mg/L	0.2745 mg/L	22:14:08
1	Li 670.784†	43.9	229.4	0.0143 mg/L	0.0143 mg/L	22:14:08
1	Na 589.592†	44139.0	40358.3	11.06 mg/L	11.06 mg/L	22:14:08
1	Sr 407.771†	178020.6	161485.6	0.2762 mg/L	0.2762 mg/L	22:14:08
1	Y 371.029	3445181.5	3445181.5	1.10 mg/L		22:14:34
1	Ag 328.068†	1995.6	-227.6	-0.0017 mg/L	-0.0017 mg/L	22:14:36
1	Al 237.313†	-245.3	-75.4	-0.0240 mg/L	-0.0240 mg/L	22:14:46
1	As 188.979†	7.5	-1.0	0.0010 mg/L	0.0010 mg/L	22:14:46
1	B 182.528†	-7.8	-0.4	0.0013 mg/L	0.0013 mg/L	22:14:46
1	Ba 233.527†	5468.3	5030.3	0.0439 mg/L	0.0439 mg/L	22:14:46
1	Be 313.107†	-813.9	166.3	0.0002 mg/L	0.0002 mg/L	22:14:36
1	Ca 315.887†	976354.4	884729.1	6.280 mg/L	6.280 mg/L	22:14:34
1	Cd 228.802†	97.4	-4.6	-0.0002 mg/L	-0.0002 mg/L	22:14:46
1	Co 228.616†	-27.6	9.4	-0.0043 mg/L	-0.0043 mg/L	22:14:46
1	Cr 267.716†	710.6	9.0	-0.0005 mg/L	-0.0005 mg/L	22:14:36
1	Cu 324.752†	2124.5	160.0	-0.0013 mg/L	-0.0013 mg/L	22:14:36

1	Fe 238.204†	2951.3	1812.9	0.0024 mg/L	0.0024 mg/L	22:14:46
1	Mg 279.077†	23474.5	20982.2	1.212 mg/L	1.212 mg/L	22:14:36
1	Mn 257.610†	14297.2	12421.3	0.0123 mg/L	0.0123 mg/L	22:14:36
1	Mo 202.031†	81.6	85.8	0.0037 mg/L	0.0037 mg/L	22:14:46
1	Ni 231.604†	37.6	24.5	-0.0022 mg/L	-0.0022 mg/L	22:14:46
1	P 214.914†	230.6	-54.9	-0.0066 mg/L	-0.0066 mg/L	22:14:46
1	Pb 220.353†	-6.1	-19.4	-0.0038 mg/L	-0.0038 mg/L	22:14:46
1	Sb 206.836†	36.9	-2.2	-0.0027 mg/L	-0.0027 mg/L	22:14:46
1	Se 196.026†	2.5	4.2	0.0047 mg/L	0.0047 mg/L	22:14:46
1	Sn 189.927†	-95.4	-83.9	-0.0132 mg/L	-0.0132 mg/L	22:14:46
1	Ti 337.279†	-903.2	278.0	0.0015 mg/L	0.0015 mg/L	22:14:36
1	Tl 190.801†	7.1	-1.3	-0.0066 mg/L	-0.0066 mg/L	22:14:46
1	V 292.402†	-958.7	52.6	0.0023 mg/L	0.0023 mg/L	22:14:36
1	Zn 213.857†	3612.9	2192.3	0.0114 mg/L	0.0114 mg/L	22:14:46
2	B 249.677†	8.7	4.8	0.0069 mg/L	0.0069 mg/L	22:14:30
2	Fe 234.349†	19.0	13.1	0.0159 mg/L	0.0159 mg/L	22:14:30
2	K 766.490†	781.3	402.9	0.3452 mg/L	0.3452 mg/L	22:14:20
2	Li 670.784†	3.3	192.5	0.0122 mg/L	0.0122 mg/L	22:14:20
2	Na 589.592†	44159.6	40430.6	11.08 mg/L	11.08 mg/L	22:14:20
2	Sr 407.771†	178194.3	161859.5	0.2768 mg/L	0.2768 mg/L	22:14:20
2	Y 371.029	3440583.1	3440583.1	1.10 mg/L		22:14:49
2	Ag 328.068†	2035.5	-188.8	-0.0014 mg/L	-0.0014 mg/L	22:14:51
2	Al 237.313†	-246.5	-76.9	-0.0241 mg/L	-0.0241 mg/L	22:15:01
2	As 188.979†	11.4	2.5	0.0038 mg/L	0.0038 mg/L	22:15:01
2	B 182.528†	-2.1	4.8	0.0073 mg/L	0.0073 mg/L	22:15:01
2	Ba 233.527†	5389.9	4965.6	0.0433 mg/L	0.0433 mg/L	22:15:01
2	Be 313.107†	-972.7	20.9	0.0001 mg/L	0.0001 mg/L	22:14:51
2	Ca 315.887†	971165.2	881196.9	6.255 mg/L	6.255 mg/L	22:14:49
2	Cd 228.802†	98.2	-3.7	-0.0002 mg/L	-0.0002 mg/L	22:15:01
2	Co 228.616†	-21.9	14.6	-0.0042 mg/L	-0.0042 mg/L	22:15:01
2	Cr 267.716†	673.5	-23.8	-0.0007 mg/L	-0.0007 mg/L	22:14:51
2	Cu 324.752†	2117.1	155.9	-0.0013 mg/L	-0.0013 mg/L	22:14:51
2	Fe 238.204†	2872.5	1744.8	0.0019 mg/L	0.0019 mg/L	22:15:01
2	Mg 279.077†	23234.6	20792.6	1.201 mg/L	1.201 mg/L	22:14:51
2	Mn 257.610†	14114.5	12272.6	0.0121 mg/L	0.0121 mg/L	22:14:51
2	Mo 202.031†	66.0	71.8	0.0031 mg/L	0.0031 mg/L	22:15:01
2	Ni 231.604†	35.1	22.2	-0.0022 mg/L	-0.0022 mg/L	22:15:01
2	P 214.914†	266.4	-22.1	0.0067 mg/L	0.0067 mg/L	22:15:01
2	Pb 220.353†	-13.4	-26.0	-0.0042 mg/L	-0.0042 mg/L	22:15:01
2	Sb 206.836†	35.6	-3.3	-0.0034 mg/L	-0.0034 mg/L	22:15:01
2	Se 196.026†	3.5	5.2	0.0053 mg/L	0.0053 mg/L	22:15:01
2	Sn 189.927†	-87.4	-76.8	-0.0123 mg/L	-0.0123 mg/L	22:15:01
2	Ti 337.279†	-923.2	258.8	0.0015 mg/L	0.0015 mg/L	22:14:51
2	Tl 190.801†	7.1	-1.2	-0.0066 mg/L	-0.0066 mg/L	22:15:01
2	V 292.402†	-916.1	90.2	0.0025 mg/L	0.0025 mg/L	22:14:51
2	Zn 213.857†	3580.5	2167.1	0.0113 mg/L	0.0113 mg/L	22:15:01

Mean Data: CJ21101-SD2 @5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3442882.3	1.10	mg/L	0.001			0.09%
Ag 328.068†	-208.2	-0.0016	mg/L	0.00017	-0.0016 mg/L	0.00017	10.93%
Al 237.313†	-76.1	-0.0241	mg/L	0.00010	-0.0241 mg/L	0.00010	0.41%
As 188.979†	0.7	0.0024	mg/L	0.00198	0.0024 mg/L	0.00198	81.59%
B 182.528†	2.2	0.0043	mg/L	0.00421	0.0043 mg/L	0.00421	97.55%
B 249.677†	2.3	0.0039	mg/L	0.00424	0.0039 mg/L	0.00424	109.66%
Ba 233.527†	4997.9	0.0436	mg/L	0.00041	0.0436 mg/L	0.00041	0.95%
Be 313.107†	93.6	0.0001	mg/L	0.00005	0.0001 mg/L	0.00005	41.17%
Ca 315.887†	882963.0	6.268	mg/L	0.0178	6.268 mg/L	0.0178	0.28%
Cd 228.802†	-4.2	-0.0002	mg/L	0.00001	-0.0002 mg/L	0.00001	4.41%
Co 228.616†	12.0	-0.0043	mg/L	0.00006	-0.0043 mg/L	0.00006	1.49%
Cr 267.716†	-7.4	-0.0006	mg/L	0.00019	-0.0006 mg/L	0.00019	31.49%
Cu 324.752†	157.9	-0.0013	mg/L	0.00001	-0.0013 mg/L	0.00001	1.00%
Fe 234.349†	12.5	0.0149	mg/L	0.00134	0.0149 mg/L	0.00134	9.02%
Fe 238.204†	1778.8	0.0021	mg/L	0.00031	0.0021 mg/L	0.00031	14.27%
K 766.490†	355.5	0.3098	mg/L	0.05000	0.3098 mg/L	0.05000	16.14%
Li 670.784†	211.0	0.0133	mg/L	0.00150	0.0133 mg/L	0.00150	11.31%
Mg 279.077†	20887.4	1.207	mg/L	0.0079	1.207 mg/L	0.0079	0.66%
Mn 257.610†	12347.0	0.0122	mg/L	0.00012	0.0122 mg/L	0.00012	1.00%
Mo 202.031†	78.8	0.0034	mg/L	0.00039	0.0034 mg/L	0.00039	11.34%
Na 589.592†	40394.5	11.07	mg/L	0.014	11.07 mg/L	0.014	0.13%
Ni 231.604†	23.3	-0.0022	mg/L	0.00003	-0.0022 mg/L	0.00003	1.54%

P 214.914†	-38.5	0.0000 mg/L	0.00940	0.0000 mg/L	0.00940	>999.9%
Pb 220.353†	-22.7	-0.0040 mg/L	0.00028	-0.0040 mg/L	0.00028	7.01%
Sb 206.836†	-2.8	-0.0030 mg/L	0.00045	-0.0030 mg/L	0.00045	14.83%
Se 196.026†	4.7	0.0050 mg/L	0.00043	0.0050 mg/L	0.00043	8.47%
Sn 189.927†	-80.3	-0.0127 mg/L	0.00066	-0.0127 mg/L	0.00066	5.23%
Sr 407.771†	161672.5	0.2765 mg/L	0.00045	0.2765 mg/L	0.00045	0.16%
Ti 337.279†	268.4	0.0015 mg/L	0.00002	0.0015 mg/L	0.00002	1.08%
Tl 190.801†	-1.3	-0.0066 mg/L	0.00002	-0.0066 mg/L	0.00002	0.34%
V 292.402†	71.4	0.0024 mg/L	0.00012	0.0024 mg/L	0.00012	4.90%
Zn 213.857†	2179.7	0.0114 mg/L	0.00012	0.0114 mg/L	0.00012	1.06%

Sequence No.: 78

Autosampler Location: 71

Sample ID: CJ21101-PDS2

Date Collected: 10/11/2012 10:16:40 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ21101-PDS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	515.0	483.7	0.5684 mg/L	0.5684 mg/L	22:18:29
1	Fe 234.349†	1873.1	1766.3	2.749 mg/L	2.749 mg/L	22:18:29
1	K 766.490†	38502.0	36086.2	26.94 mg/L	26.94 mg/L	22:18:19
1	Li 670.784†	10301.5	9926.9	0.5716 mg/L	0.5716 mg/L	22:18:29
1	Na 589.592†	310561.2	293845.6	81.01 mg/L	81.01 mg/L	22:18:19
1	Sr 407.771†	885243.5	836655.0	1.431 mg/L	1.431 mg/L	22:18:19
1	Y 371.029	3308476.7	3308476.7	1.06 mg/L		22:18:46
1	Ag 328.068†	46163.0	41595.9	0.2581 mg/L	0.2581 mg/L	22:18:48
1	Al 237.313†	26990.9	25660.0	2.459 mg/L	2.459 mg/L	22:18:58
1	As 188.979†	719.6	672.3	0.5274 mg/L	0.5274 mg/L	22:18:58
1	B 182.528†	477.4	457.9	0.5294 mg/L	0.5294 mg/L	22:18:58
1	Ba 233.527†	85749.4	81119.9	0.7306 mg/L	0.7306 mg/L	22:18:48
1	Be 313.107†	112602.4	107340.9	0.0518 mg/L	0.0518 mg/L	22:18:48
1	Ca 315.887†	5421636.2	5123188.5	36.43 mg/L	36.43 mg/L	22:18:46
1	Cd 228.802†	9940.9	9303.5	0.2442 mg/L	0.2442 mg/L	22:18:58
1	Co 228.616†	30632.4	28989.3	0.5001 mg/L	0.5001 mg/L	22:18:58
1	Cr 267.716†	68037.1	63675.2	0.5130 mg/L	0.5130 mg/L	22:18:48
1	Cu 324.752†	124958.8	116347.1	0.5128 mg/L	0.5128 mg/L	22:18:48
1	Fe 238.204†	429295.6	404919.4	2.573 mg/L	2.573 mg/L	22:18:48
1	Mg 279.077†	199221.9	187985.4	11.08 mg/L	11.08 mg/L	22:18:48
1	Mn 257.610†	512336.2	483721.8	0.5595 mg/L	0.5595 mg/L	22:18:48
1	Mo 202.031†	13807.5	13063.1	0.5048 mg/L	0.5048 mg/L	22:18:58
1	Ni 231.604†	25473.5	24068.8	0.5071 mg/L	0.5071 mg/L	22:18:48
1	P 214.914†	13874.8	12850.8	5.213 mg/L	5.213 mg/L	22:18:58
1	Pb 220.353†	8849.7	8351.3	0.4953 mg/L	0.4953 mg/L	22:18:58
1	Sb 206.836†	1015.4	924.1	0.5203 mg/L	0.5203 mg/L	22:18:58
1	Se 196.026†	1729.2	1636.4	1.040 mg/L	1.040 mg/L	22:18:58
1	Sn 189.927†	3938.6	3725.6	0.4955 mg/L	0.4955 mg/L	22:18:58
1	Ti 337.279†	450140.3	426586.6	0.5117 mg/L	0.5117 mg/L	22:18:48
1	Tl 190.801†	976.2	915.0	0.4948 mg/L	0.4948 mg/L	22:18:58
1	V 292.402†	116595.1	111132.7	0.5174 mg/L	0.5174 mg/L	22:18:48
1	Zn 213.857†	85458.5	79691.2	0.5319 mg/L	0.5319 mg/L	22:18:48
2	B 249.677†	513.2	488.8	0.5743 mg/L	0.5743 mg/L	22:18:41
2	Fe 234.349†	1884.0	1801.4	2.804 mg/L	2.804 mg/L	22:18:41
2	K 766.490†	38944.1	37018.1	27.63 mg/L	27.63 mg/L	22:18:31
2	Li 670.784†	10352.7	10111.9	0.5823 mg/L	0.5823 mg/L	22:18:41
2	Na 589.592†	313949.0	301190.7	83.04 mg/L	83.04 mg/L	22:18:31
2	Sr 407.771†	897140.8	859739.1	1.470 mg/L	1.470 mg/L	22:18:31
2	Y 371.029	3262925.9	3262925.9	1.04 mg/L		22:19:01
2	Ag 328.068†	46240.5	42279.4	0.2623 mg/L	0.2623 mg/L	22:19:04
2	Al 237.313†	27361.7	26371.5	2.528 mg/L	2.528 mg/L	22:19:14
2	As 188.979†	728.5	690.4	0.5415 mg/L	0.5415 mg/L	22:19:14
2	B 182.528†	495.1	481.2	0.5562 mg/L	0.5562 mg/L	22:19:14
2	Ba 233.527†	86402.0	82876.9	0.7465 mg/L	0.7465 mg/L	22:19:04
2	Be 313.107†	113260.7	109457.7	0.0529 mg/L	0.0529 mg/L	22:19:04
2	Ca 315.887†	5367204.5	5142561.1	36.57 mg/L	36.57 mg/L	22:19:01
2	Cd 228.802†	10030.2	9520.2	0.2499 mg/L	0.2499 mg/L	22:19:14
2	Co 228.616†	30921.4	29670.5	0.5120 mg/L	0.5120 mg/L	22:19:14
2	Cr 267.716†	68219.5	64747.8	0.5217 mg/L	0.5217 mg/L	22:19:04
2	Cu 324.752†	125735.1	118740.0	0.5234 mg/L	0.5234 mg/L	22:19:04
2	Fe 238.204†	431985.7	413162.5	2.626 mg/L	2.626 mg/L	22:19:04

2	Mg 279.077†	200506.0	191845.0	11.31 mg/L	11.31 mg/L	22:19:04
2	Mn 257.610†	515643.3	493652.0	0.5710 mg/L	0.5710 mg/L	22:19:04
2	Mo 202.031†	13908.9	13342.5	0.5156 mg/L	0.5156 mg/L	22:19:14
2	Ni 231.604†	25610.4	24536.1	0.5170 mg/L	0.5170 mg/L	22:19:04
2	P 214.914†	14072.5	13223.3	5.363 mg/L	5.363 mg/L	22:19:14
2	Pb 220.353†	8910.2	8526.0	0.5057 mg/L	0.5057 mg/L	22:19:14
2	Sb 206.836†	1014.4	936.5	0.5273 mg/L	0.5273 mg/L	22:19:14
2	Se 196.026†	1743.3	1672.8	1.063 mg/L	1.063 mg/L	22:19:14
2	Sn 189.927†	3975.3	3812.7	0.5071 mg/L	0.5071 mg/L	22:19:14
2	Ti 337.279†	451346.9	433682.9	0.5202 mg/L	0.5202 mg/L	22:19:04
2	Tl 190.801†	986.9	938.1	0.5074 mg/L	0.5074 mg/L	22:19:14
2	V 292.402†	117185.0	113236.6	0.5271 mg/L	0.5271 mg/L	22:19:04
2	Zn 213.857†	85851.4	81195.4	0.5420 mg/L	0.5420 mg/L	22:19:04

Mean Data: CJ21101-PDS2

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3285701.3	1.05 mg/L	0.010			0.98%
Ag 328.068†	41937.6	0.2602 mg/L	0.00300	0.2602 mg/L	0.00300	1.15%
Al 237.313†	26015.8	2.494 mg/L	0.0485	2.494 mg/L	0.0485	1.95%
As 188.979†	681.3	0.5344 mg/L	0.00995	0.5344 mg/L	0.00995	1.86%
B 182.528†	469.5	0.5428 mg/L	0.01898	0.5428 mg/L	0.01898	3.50%
B 249.677†	486.2	0.5713 mg/L	0.00421	0.5713 mg/L	0.00421	0.74%
Ba 233.527†	81998.4	0.7385 mg/L	0.01121	0.7385 mg/L	0.01121	1.52%
Be 313.107†	108399.3	0.0523 mg/L	0.00072	0.0523 mg/L	0.00072	1.38%
Ca 315.887†	5132874.8	36.50 mg/L	0.097	36.50 mg/L	0.097	0.27%
Cd 228.802†	9411.9	0.2470 mg/L	0.00402	0.2470 mg/L	0.00402	1.63%
Co 228.616†	29329.9	0.5061 mg/L	0.00839	0.5061 mg/L	0.00839	1.66%
Cr 267.716†	64211.5	0.5174 mg/L	0.00612	0.5174 mg/L	0.00612	1.18%
Cu 324.752†	117543.6	0.5181 mg/L	0.00749	0.5181 mg/L	0.00749	1.44%
Fe 234.349†	1783.9	2.777 mg/L	0.0390	2.777 mg/L	0.0390	1.41%
Fe 238.204†	409040.9	2.599 mg/L	0.0372	2.599 mg/L	0.0372	1.43%
K 766.490†	36552.1	27.29 mg/L	0.491	27.29 mg/L	0.491	1.80%
Li 670.784†	10019.4	0.5770 mg/L	0.00752	0.5770 mg/L	0.00752	1.30%
Mg 279.077†	189915.2	11.19 mg/L	0.161	11.19 mg/L	0.161	1.44%
Mn 257.610†	488686.9	0.5652 mg/L	0.00815	0.5652 mg/L	0.00815	1.44%
Mo 202.031†	13202.8	0.5102 mg/L	0.00763	0.5102 mg/L	0.00763	1.50%
Na 589.592†	297518.2	82.03 mg/L	1.433	82.03 mg/L	1.433	1.75%
Ni 231.604†	24302.4	0.5121 mg/L	0.00700	0.5121 mg/L	0.00700	1.37%
P 214.914†	13037.0	5.288 mg/L	0.1066	5.288 mg/L	0.1066	2.01%
Pb 220.353†	8438.6	0.5005 mg/L	0.00737	0.5005 mg/L	0.00737	1.47%
Sb 206.836†	930.3	0.5238 mg/L	0.00498	0.5238 mg/L	0.00498	0.95%
Se 196.026†	1654.6	1.052 mg/L	0.0163	1.052 mg/L	0.0163	1.55%
Sn 189.927†	3769.2	0.5013 mg/L	0.00821	0.5013 mg/L	0.00821	1.64%
Sr 407.771†	848197.0	1.451 mg/L	0.0279	1.451 mg/L	0.0279	1.92%
Ti 337.279†	430134.7	0.5159 mg/L	0.00600	0.5159 mg/L	0.00600	1.16%
Tl 190.801†	926.6	0.5011 mg/L	0.00896	0.5011 mg/L	0.00896	1.79%
V 292.402†	112184.7	0.5222 mg/L	0.00690	0.5222 mg/L	0.00690	1.32%
Zn 213.857†	80443.3	0.5369 mg/L	0.00714	0.5369 mg/L	0.00714	1.33%

Sequence No.: 79

Autosampler Location: 72

Sample ID: CJ21102-BLK1

Date Collected: 10/11/2012 10:20:50 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: CJ21102-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-0.9	-3.9	-0.0034 mg/L	-0.0034 mg/L	22:22:46
1	Fe 234.349†	8.6	3.3	0.0060 mg/L	0.0060 mg/L	22:22:46
1	K 766.490†	401.0	41.0	0.0754 mg/L	0.0754 mg/L	22:22:35
1	Li 670.784†	-127.8	78.6	0.0056 mg/L	0.0056 mg/L	22:22:35
1	Na 589.592†	197.7	463.8	0.0497 mg/L	0.0497 mg/L	22:22:35
1	Sr 407.771†	398.0	236.8	0.0004 mg/L	0.0004 mg/L	22:22:35
1	Y 371.029	3601358.8	3601358.8	1.15 mg/L		22:23:10
1	Ag 328.068†	1996.6	-305.3	-0.0022 mg/L	-0.0022 mg/L	22:23:12
1	Al 237.313†	-166.8	2.3	-0.0165 mg/L	-0.0165 mg/L	22:23:12
1	As 188.979†	17.5	7.3	0.0076 mg/L	0.0076 mg/L	22:23:22
1	B 182.528†	-8.6	-0.8	0.0008 mg/L	0.0008 mg/L	22:23:22

1	Ba	233.527†	-18.2	50.7	-0.0011	mg/L	-0.0011	mg/L	22:23:22
1	Be	313.107†	-821.0	192.2	0.0002	mg/L	0.0002	mg/L	22:23:12
1	Ca	315.887†	3259.2	1294.2	-0.0044	mg/L	-0.0044	mg/L	22:23:12
1	Cd	228.802†	90.8	-14.2	-0.0005	mg/L	-0.0005	mg/L	22:23:22
1	Co	228.616†	-56.0	-14.1	-0.0047	mg/L	-0.0047	mg/L	22:23:22
1	Cr	267.716†	684.1	-41.9	-0.0009	mg/L	-0.0009	mg/L	22:23:12
1	Cu	324.752†	2043.5	6.1	-0.0020	mg/L	-0.0020	mg/L	22:23:12
1	Fe	238.204†	1720.0	627.4	-0.0052	mg/L	-0.0052	mg/L	22:23:12
1	Mg	279.077†	301.3	-64.6	-0.0312	mg/L	-0.0312	mg/L	22:23:12
1	Mn	257.610†	1077.2	378.8	-0.0017	mg/L	-0.0017	mg/L	22:23:12
1	Mo	202.031†	-2.2	9.9	0.0007	mg/L	0.0007	mg/L	22:23:22
1	Ni	231.604†	15.8	4.0	-0.0026	mg/L	-0.0026	mg/L	22:23:12
1	P	214.914†	247.9	-48.9	-0.0042	mg/L	-0.0042	mg/L	22:23:22
1	Pb	220.353†	-11.0	-23.3	-0.0040	mg/L	-0.0040	mg/L	22:23:22
1	Sb	206.836†	37.5	-3.1	-0.0032	mg/L	-0.0032	mg/L	22:23:22
1	Se	196.026†	-7.0	-4.2	-0.0006	mg/L	-0.0006	mg/L	22:23:22
1	Sn	189.927†	11.8	12.9	-0.0005	mg/L	-0.0005	mg/L	22:23:22
1	Ti	337.279†	-988.0	240.0	0.0015	mg/L	0.0015	mg/L	22:23:12
1	Tl	190.801†	10.0	1.0	-0.0054	mg/L	-0.0054	mg/L	22:23:22
1	V	292.402†	-918.3	125.4	0.0026	mg/L	0.0026	mg/L	22:23:12
1	Zn	213.857†	1325.0	63.3	-0.0030	mg/L	-0.0030	mg/L	22:23:22
2	B	249.677†	0.8	-2.5	-0.0017	mg/L	-0.0017	mg/L	22:23:06
2	Fe	234.349†	-1.9	-5.8	-0.0084	mg/L	-0.0084	mg/L	22:23:06
2	K	766.490†	364.5	7.8	0.0507	mg/L	0.0507	mg/L	22:22:56
2	Li	670.784†	-114.2	90.8	0.0063	mg/L	0.0063	mg/L	22:22:56
2	Na	589.592†	181.5	448.9	0.0456	mg/L	0.0456	mg/L	22:22:56
2	Sr	407.771†	359.2	201.7	0.0004	mg/L	0.0004	mg/L	22:22:56
2	Y	371.029	3618678.9	3618678.9	1.16	mg/L			22:23:24
2	Ag	328.068†	2058.8	-259.8	-0.0019	mg/L	-0.0019	mg/L	22:23:27
2	Al	237.313†	-194.9	-21.2	-0.0188	mg/L	-0.0188	mg/L	22:23:27
2	As	188.979†	17.4	7.2	0.0075	mg/L	0.0075	mg/L	22:23:37
2	B	182.528†	-8.1	-0.3	0.0014	mg/L	0.0014	mg/L	22:23:37
2	Ba	233.527†	10.2	75.3	-0.0009	mg/L	-0.0009	mg/L	22:23:37
2	Be	313.107†	-785.2	226.5	0.0002	mg/L	0.0002	mg/L	22:23:27
2	Ca	315.887†	3170.8	1204.3	-0.0050	mg/L	-0.0050	mg/L	22:23:27
2	Cd	228.802†	101.8	-5.0	-0.0002	mg/L	-0.0002	mg/L	22:23:37
2	Co	228.616†	-35.1	4.1	-0.0044	mg/L	-0.0044	mg/L	22:23:37
2	Cr	267.716†	679.8	-48.5	-0.0009	mg/L	-0.0009	mg/L	22:23:27
2	Cu	324.752†	2089.6	37.4	-0.0018	mg/L	-0.0018	mg/L	22:23:27
2	Fe	238.204†	1772.2	665.4	-0.0050	mg/L	-0.0050	mg/L	22:23:27
2	Mg	279.077†	270.2	-92.8	-0.0328	mg/L	-0.0328	mg/L	22:23:27
2	Mn	257.610†	1134.0	423.4	-0.0017	mg/L	-0.0017	mg/L	22:23:27
2	Mo	202.031†	0.2	11.9	0.0008	mg/L	0.0008	mg/L	22:23:37
2	Ni	231.604†	29.2	15.6	-0.0024	mg/L	-0.0024	mg/L	22:23:27
2	P	214.914†	240.9	-56.0	-0.0071	mg/L	-0.0071	mg/L	22:23:37
2	Pb	220.353†	-18.1	-29.4	-0.0044	mg/L	-0.0044	mg/L	22:23:37
2	Sb	206.836†	41.0	-0.3	-0.0016	mg/L	-0.0016	mg/L	22:23:37
2	Se	196.026†	-1.9	0.3	0.0022	mg/L	0.0022	mg/L	22:23:37
2	Sn	189.927†	7.0	8.7	-0.0011	mg/L	-0.0011	mg/L	22:23:37
2	Ti	337.279†	-744.6	454.4	0.0017	mg/L	0.0017	mg/L	22:23:27
2	Tl	190.801†	4.6	-3.8	-0.0080	mg/L	-0.0080	mg/L	22:23:37
2	V	292.402†	-1055.2	11.0	0.0021	mg/L	0.0021	mg/L	22:23:27
2	Zn	213.857†	1287.2	25.1	-0.0032	mg/L	-0.0032	mg/L	22:23:37

Mean Data: CJ21102-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3610018.8	1.15	mg/L	0.004				0.34%
Ag 328.068†	-282.5	-0.0020	mg/L	0.00020	-0.0020	mg/L	0.00020	9.84%
Al 237.313†	-9.4	-0.0176	mg/L	0.00160	-0.0176	mg/L	0.00160	9.08%
As 188.979†	7.3	0.0075	mg/L	0.00008	0.0075	mg/L	0.00008	1.03%
B 182.528†	-0.6	0.0011	mg/L	0.00039	0.0011	mg/L	0.00039	35.59%
B 249.677†	-3.2	-0.0026	mg/L	0.00121	-0.0026	mg/L	0.00121	47.15%
Ba 233.527†	63.0	-0.0010	mg/L	0.00016	-0.0010	mg/L	0.00016	15.85%
Be 313.107†	209.3	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	6.63%
Ca 315.887†	1249.3	-0.0047	mg/L	0.00046	-0.0047	mg/L	0.00046	9.69%
Cd 228.802†	-9.6	-0.0003	mg/L	0.00017	-0.0003	mg/L	0.00017	51.59%
Co 228.616†	-5.0	-0.0046	mg/L	0.00022	-0.0046	mg/L	0.00022	4.90%
Cr 267.716†	-45.2	-0.0009	mg/L	0.00004	-0.0009	mg/L	0.00004	4.16%
Cu 324.752†	21.7	-0.0019	mg/L	0.00010	-0.0019	mg/L	0.00010	5.20%
Fe 234.349†	-1.3	-0.0012	mg/L	0.01016	-0.0012	mg/L	0.01016	853.46%
Fe 238.204†	646.4	-0.0051	mg/L	0.00017	-0.0051	mg/L	0.00017	3.37%

K 766.490†	24.4	0.0630 mg/L	0.01747	0.0630 mg/L	0.01747	27.72%
Li 670.784†	84.7	0.0060 mg/L	0.00050	0.0060 mg/L	0.00050	8.32%
Mg 279.077†	-78.7	-0.0320 mg/L	0.00117	-0.0320 mg/L	0.00117	3.67%
Mn 257.610†	401.1	-0.0017 mg/L	0.00004	-0.0017 mg/L	0.00004	2.16%
Mo 202.031†	10.9	0.0008 mg/L	0.00006	0.0008 mg/L	0.00006	7.70%
Na 589.592†	456.3	0.0476 mg/L	0.00290	0.0476 mg/L	0.00290	6.08%
Ni 231.604†	9.8	-0.0025 mg/L	0.00017	-0.0025 mg/L	0.00017	6.91%
P 214.914†	-52.5	-0.0057 mg/L	0.00205	-0.0057 mg/L	0.00205	36.12%
Pb 220.353†	-26.4	-0.0042 mg/L	0.00026	-0.0042 mg/L	0.00026	6.10%
Sb 206.836†	-1.7	-0.0024 mg/L	0.00114	-0.0024 mg/L	0.00114	47.23%
Se 196.026†	-1.9	0.0008 mg/L	0.00200	0.0008 mg/L	0.00200	246.87%
Sn 189.927†	10.8	-0.0008 mg/L	0.00042	-0.0008 mg/L	0.00042	52.15%
Sr 407.771†	219.2	0.0004 mg/L	0.00004	0.0004 mg/L	0.00004	11.16%
Ti 337.279†	347.2	0.0016 mg/L	0.00018	0.0016 mg/L	0.00018	11.37%
Tl 190.801†	-1.4	-0.0067 mg/L	0.00186	-0.0067 mg/L	0.00186	27.85%
V 292.402†	68.2	0.0024 mg/L	0.00037	0.0024 mg/L	0.00037	15.59%
Zn 213.857†	44.2	-0.0031 mg/L	0.00018	-0.0031 mg/L	0.00018	5.95%

Sequence No.: 80
Sample ID: CJ21102-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 10/11/2012 10:25:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21102-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	540.7	477.7	0.5613	mg/L	0.5613	mg/L	22:27:04
1	Fe 234.349†	2046.1	1815.5	2.854	mg/L	2.854	mg/L	22:27:04
1	K 766.490†	39896.5	35176.3	26.26	mg/L	26.26	mg/L	22:26:54
1	Li 670.784†	10411.3	9449.3	0.5442	mg/L	0.5442	mg/L	22:27:04
1	Na 589.592†	108576.9	96859.4	26.65	mg/L	26.65	mg/L	22:26:54
1	Sr 407.771†	35296.0	31283.2	0.0535	mg/L	0.0535	mg/L	22:26:54
1	Y 371.029	3516213.2	3516213.2	1.12	mg/L			22:27:22
1	Ag 328.068†	49375.5	41875.1	0.2598	mg/L	0.2598	mg/L	22:27:22
1	Al 237.313†	29942.9	26778.2	2.567	mg/L	2.567	mg/L	22:27:33
1	As 188.979†	767.3	674.6	0.5292	mg/L	0.5292	mg/L	22:27:33
1	B 182.528†	517.2	466.6	0.5394	mg/L	0.5394	mg/L	22:27:33
1	Ba 233.527†	65909.6	58686.0	0.5280	mg/L	0.5280	mg/L	22:27:22
1	Be 313.107†	120770.4	108317.3	0.0523	mg/L	0.0523	mg/L	22:27:22
1	Ca 315.887†	803336.3	712944.6	5.061	mg/L	5.061	mg/L	22:27:22
1	Cd 228.802†	11042.7	9728.3	0.2554	mg/L	0.2554	mg/L	22:27:33
1	Co 228.616†	34655.3	30856.6	0.5327	mg/L	0.5327	mg/L	22:27:33
1	Cr 267.716†	73880.6	65072.8	0.5243	mg/L	0.5243	mg/L	22:27:22
1	Cu 324.752†	135233.4	118507.0	0.5224	mg/L	0.5224	mg/L	22:27:22
1	Fe 238.204†	462366.4	410358.6	2.608	mg/L	2.608	mg/L	22:27:22
1	Mg 279.077†	99701.2	88347.1	5.193	mg/L	5.193	mg/L	22:27:22
1	Mn 257.610†	506551.6	449966.0	0.5203	mg/L	0.5203	mg/L	22:27:22
1	Mo 202.031†	14834.7	13205.6	0.5103	mg/L	0.5103	mg/L	22:27:33
1	Ni 231.604†	28511.1	25347.9	0.5342	mg/L	0.5342	mg/L	22:27:22
1	P 214.914†	14893.1	12981.6	5.266	mg/L	5.266	mg/L	22:27:33
1	Pb 220.353†	10002.8	8882.6	0.5270	mg/L	0.5270	mg/L	22:27:33
1	Sb 206.836†	1089.9	933.6	0.5257	mg/L	0.5257	mg/L	22:27:33
1	Se 196.026†	1903.6	1695.0	1.077	mg/L	1.077	mg/L	22:27:33
1	Sn 189.927†	4539.5	4040.0	0.5370	mg/L	0.5370	mg/L	22:27:33
1	Ti 337.279†	490302.1	437168.5	0.5243	mg/L	0.5243	mg/L	22:27:22
1	Tl 190.801†	1090.1	961.8	0.5204	mg/L	0.5204	mg/L	22:27:33
1	V 292.402†	124910.6	112017.3	0.5215	mg/L	0.5215	mg/L	22:27:22
1	Zn 213.857†	88867.9	77951.0	0.5199	mg/L	0.5199	mg/L	22:27:22
2	B 249.677†	536.4	478.9	0.5626	mg/L	0.5626	mg/L	22:27:17
2	Fe 234.349†	2021.5	1812.4	2.849	mg/L	2.849	mg/L	22:27:17
2	K 766.490†	39615.9	35293.4	26.35	mg/L	26.35	mg/L	22:27:07
2	Li 670.784†	10263.2	9412.5	0.5421	mg/L	0.5421	mg/L	22:27:17
2	Na 589.592†	107806.1	97171.5	26.74	mg/L	26.74	mg/L	22:27:07
2	Sr 407.771†	35086.5	31421.5	0.0537	mg/L	0.0537	mg/L	22:27:07
2	Y 371.029	3480008.1	3480008.1	1.11	mg/L			22:27:36
2	Ag 328.068†	49514.4	42456.8	0.2634	mg/L	0.2634	mg/L	22:27:36
2	Al 237.313†	29728.3	26862.4	2.575	mg/L	2.575	mg/L	22:27:47
2	As 188.979†	762.0	676.9	0.5310	mg/L	0.5310	mg/L	22:27:47
2	B 182.528†	512.2	467.0	0.5398	mg/L	0.5398	mg/L	22:27:47
2	Ba 233.527†	66431.5	59764.9	0.5378	mg/L	0.5378	mg/L	22:27:36

2	Be 313.107†	121805.7	110365.1	0.0533 mg/L	0.0533 mg/L	22:27:36
2	Ca 315.887†	810020.1	726384.3	5.157 mg/L	5.157 mg/L	22:27:36
2	Cd 228.802†	10993.3	9786.0	0.2570 mg/L	0.2570 mg/L	22:27:47
2	Co 228.616†	34476.6	31016.7	0.5354 mg/L	0.5354 mg/L	22:27:47
2	Cr 267.716†	74315.5	66147.3	0.5329 mg/L	0.5329 mg/L	22:27:36
2	Cu 324.752†	135718.5	120194.3	0.5298 mg/L	0.5298 mg/L	22:27:36
2	Fe 238.204†	465687.1	417621.1	2.654 mg/L	2.654 mg/L	22:27:36
2	Mg 279.077†	100497.5	89985.3	5.290 mg/L	5.290 mg/L	22:27:36
2	Mn 257.610†	509839.4	457607.8	0.5292 mg/L	0.5292 mg/L	22:27:36
2	Mo 202.031†	14760.0	13275.7	0.5130 mg/L	0.5130 mg/L	22:27:47
2	Ni 231.604†	28591.2	25683.6	0.5413 mg/L	0.5413 mg/L	22:27:36
2	P 214.914†	14749.0	12989.9	5.269 mg/L	5.269 mg/L	22:27:47
2	Pb 220.353†	9968.4	8944.3	0.5307 mg/L	0.5307 mg/L	22:27:47
2	Sb 206.836†	1087.4	941.4	0.5301 mg/L	0.5301 mg/L	22:27:47
2	Se 196.026†	1881.6	1692.8	1.076 mg/L	1.076 mg/L	22:27:47
2	Sn 189.927†	4490.4	4037.9	0.5367 mg/L	0.5367 mg/L	22:27:47
2	Ti 337.279†	492526.6	443704.3	0.5322 mg/L	0.5322 mg/L	22:27:36
2	Tl 190.801†	1081.0	963.8	0.5215 mg/L	0.5215 mg/L	22:27:47
2	V 292.402†	125680.3	113864.8	0.5300 mg/L	0.5300 mg/L	22:27:36
2	Zn 213.857†	89691.2	79513.2	0.5304 mg/L	0.5304 mg/L	22:27:36

Mean Data: CJ21102-BS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3498110.6	1.12 mg/L		0.008			0.73%
Ag 328.068†	42166.0	0.2616 mg/L		0.00255	0.2616 mg/L	0.00255	0.98%
Al 237.313†	26820.3	2.571 mg/L		0.0058	2.571 mg/L	0.0058	0.22%
As 188.979†	675.7	0.5301 mg/L		0.00128	0.5301 mg/L	0.00128	0.24%
B 182.528†	466.8	0.5396 mg/L		0.00025	0.5396 mg/L	0.00025	0.05%
B 249.677†	478.3	0.5619 mg/L		0.00095	0.5619 mg/L	0.00095	0.17%
Ba 233.527†	59225.4	0.5329 mg/L		0.00689	0.5329 mg/L	0.00689	1.29%
Be 313.107†	109341.2	0.0528 mg/L		0.00070	0.0528 mg/L	0.00070	1.32%
Ca 315.887†	719664.4	5.109 mg/L		0.0676	5.109 mg/L	0.0676	1.32%
Cd 228.802†	9757.2	0.2562 mg/L		0.00108	0.2562 mg/L	0.00108	0.42%
Co 228.616†	30936.6	0.5341 mg/L		0.00196	0.5341 mg/L	0.00196	0.37%
Cr 267.716†	65610.1	0.5286 mg/L		0.00612	0.5286 mg/L	0.00612	1.16%
Cu 324.752†	119350.6	0.5261 mg/L		0.00528	0.5261 mg/L	0.00528	1.00%
Fe 234.349†	1814.0	2.852 mg/L		0.0037	2.852 mg/L	0.0037	0.13%
Fe 238.204†	413989.8	2.631 mg/L		0.0327	2.631 mg/L	0.0327	1.24%
K 766.490†	35234.9	26.30 mg/L		0.062	26.30 mg/L	0.062	0.23%
Li 670.784†	9430.9	0.5431 mg/L		0.00149	0.5431 mg/L	0.00149	0.28%
Mg 279.077†	89166.2	5.241 mg/L		0.0684	5.241 mg/L	0.0684	1.31%
Mn 257.610†	453786.9	0.5247 mg/L		0.00627	0.5247 mg/L	0.00627	1.20%
Mo 202.031†	13240.7	0.5117 mg/L		0.00192	0.5117 mg/L	0.00192	0.37%
Na 589.592†	97015.5	26.69 mg/L		0.061	26.69 mg/L	0.061	0.23%
Ni 231.604†	25515.7	0.5377 mg/L		0.00502	0.5377 mg/L	0.00502	0.93%
P 214.914†	12985.7	5.267 mg/L		0.0023	5.267 mg/L	0.0023	0.04%
Pb 220.353†	8913.5	0.5289 mg/L		0.00259	0.5289 mg/L	0.00259	0.49%
Sb 206.836†	937.5	0.5279 mg/L		0.00313	0.5279 mg/L	0.00313	0.59%
Se 196.026†	1693.9	1.077 mg/L		0.0010	1.077 mg/L	0.0010	0.09%
Sn 189.927†	4039.0	0.5369 mg/L		0.00021	0.5369 mg/L	0.00021	0.04%
Sr 407.771†	31352.3	0.0536 mg/L		0.00017	0.0536 mg/L	0.00017	0.31%
Ti 337.279†	440436.4	0.5282 mg/L		0.00553	0.5282 mg/L	0.00553	1.05%
Tl 190.801†	962.8	0.5210 mg/L		0.00074	0.5210 mg/L	0.00074	0.14%
V 292.402†	112941.1	0.5258 mg/L		0.00604	0.5258 mg/L	0.00604	1.15%
Zn 213.857†	78732.1	0.5252 mg/L		0.00743	0.5252 mg/L	0.00743	1.42%

Sequence No.: 81

Sample ID: CJ21102-BSD1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 74

Date Collected: 10/11/2012 10:29:23 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21102-BSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	508.0	459.6	0.5399 mg/L	0.5399 mg/L	22:31:12
1	Fe 234.349†	1880.7	1708.8	2.686 mg/L	2.686 mg/L	22:31:12
1	K 766.490†	39012.7	35225.6	26.30 mg/L	26.30 mg/L	22:31:01
1	Li 670.784†	9851.3	9162.1	0.5277 mg/L	0.5277 mg/L	22:31:12

1	Na 589.592†	104417.4	95395.8	26.25 mg/L	26.25 mg/L	22:31:01
1	Sr 407.771†	33628.7	30520.3	0.0522 mg/L	0.0522 mg/L	22:31:01
1	Y 371.029	3433553.0	3433553.0	1.10 mg/L		22:31:29
1	Ag 328.068†	48869.0	42471.0	0.2635 mg/L	0.2635 mg/L	22:31:29
1	Al 237.313†	29615.4	27121.0	2.600 mg/L	2.600 mg/L	22:31:40
1	As 188.979†	756.3	681.0	0.5341 mg/L	0.5341 mg/L	22:31:40
1	B 182.528†	517.1	477.7	0.5522 mg/L	0.5522 mg/L	22:31:40
1	Ba 233.527†	65490.5	59715.4	0.5373 mg/L	0.5373 mg/L	22:31:29
1	Be 313.107†	120272.2	110449.3	0.0533 mg/L	0.0533 mg/L	22:31:29
1	Ca 315.887†	796898.6	724281.7	5.142 mg/L	5.142 mg/L	22:31:29
1	Cd 228.802†	10931.4	9863.3	0.2590 mg/L	0.2590 mg/L	22:31:40
1	Co 228.616†	34408.1	31373.5	0.5417 mg/L	0.5417 mg/L	22:31:40
1	Cr 267.716†	73234.0	66065.8	0.5323 mg/L	0.5323 mg/L	22:31:29
1	Cu 324.752†	134183.9	120446.7	0.5309 mg/L	0.5309 mg/L	22:31:29
1	Fe 238.204†	459690.4	417821.3	2.655 mg/L	2.655 mg/L	22:31:29
1	Mg 279.077†	99479.3	90279.8	5.307 mg/L	5.307 mg/L	22:31:29
1	Mn 257.610†	505724.9	460059.1	0.5320 mg/L	0.5320 mg/L	22:31:29
1	Mo 202.031†	14689.4	13390.9	0.5175 mg/L	0.5175 mg/L	22:31:40
1	Ni 231.604†	28288.5	25755.5	0.5428 mg/L	0.5428 mg/L	22:31:29
1	P 214.914†	14789.2	13205.8	5.356 mg/L	5.356 mg/L	22:31:40
1	Pb 220.353†	9842.2	8950.6	0.5311 mg/L	0.5311 mg/L	22:31:40
1	Sb 206.836†	1063.7	933.1	0.5254 mg/L	0.5254 mg/L	22:31:40
1	Se 196.026†	1890.1	1723.4	1.095 mg/L	1.095 mg/L	22:31:40
1	Sn 189.927†	4511.3	4111.5	0.5459 mg/L	0.5459 mg/L	22:31:40
1	Ti 337.279†	481946.6	440056.3	0.5278 mg/L	0.5278 mg/L	22:31:29
1	Tl 190.801†	1080.9	976.8	0.5288 mg/L	0.5288 mg/L	22:31:40
1	V 292.402†	123068.3	113013.8	0.5262 mg/L	0.5262 mg/L	22:31:29
1	Zn 213.857†	88513.6	79531.2	0.5305 mg/L	0.5305 mg/L	22:31:29
2	B 249.677†	506.6	450.3	0.5291 mg/L	0.5291 mg/L	22:31:24
2	Fe 234.349†	1888.9	1686.5	2.651 mg/L	2.651 mg/L	22:31:24
2	K 766.490†	38654.9	34293.1	25.60 mg/L	25.60 mg/L	22:31:14
2	Li 670.784†	9843.0	9000.2	0.5184 mg/L	0.5184 mg/L	22:31:24
2	Na 589.592†	103899.0	93293.0	25.67 mg/L	25.67 mg/L	22:31:14
2	Sr 407.771†	33492.7	29870.8	0.0511 mg/L	0.0511 mg/L	22:31:14
2	Y 371.029	3493756.7	3493756.7	1.12 mg/L		22:31:43
2	Ag 328.068†	49019.0	41838.3	0.2596 mg/L	0.2596 mg/L	22:31:43
2	Al 237.313†	29767.4	26792.2	2.569 mg/L	2.569 mg/L	22:31:54
2	As 188.979†	771.2	682.4	0.5352 mg/L	0.5352 mg/L	22:31:54
2	B 182.528†	516.6	469.0	0.5422 mg/L	0.5422 mg/L	22:31:54
2	Ba 233.527†	65632.0	58814.2	0.5292 mg/L	0.5292 mg/L	22:31:43
2	Be 313.107†	120576.7	108834.3	0.0526 mg/L	0.0526 mg/L	22:31:43
2	Ca 315.887†	798796.1	713473.1	5.065 mg/L	5.065 mg/L	22:31:43
2	Cd 228.802†	10955.9	9713.7	0.2550 mg/L	0.2550 mg/L	22:31:54
2	Co 228.616†	34490.6	30907.2	0.5336 mg/L	0.5336 mg/L	22:31:54
2	Cr 267.716†	73342.3	65013.3	0.5238 mg/L	0.5238 mg/L	22:31:43
2	Cu 324.752†	134657.7	118764.8	0.5235 mg/L	0.5235 mg/L	22:31:43
2	Fe 238.204†	460663.7	411477.7	2.615 mg/L	2.615 mg/L	22:31:43
2	Mg 279.077†	99691.7	88908.5	5.226 mg/L	5.226 mg/L	22:31:43
2	Mn 257.610†	506796.4	453081.0	0.5239 mg/L	0.5239 mg/L	22:31:43
2	Mo 202.031†	14722.0	13189.6	0.5098 mg/L	0.5098 mg/L	22:31:54
2	Ni 231.604†	28296.4	25318.6	0.5335 mg/L	0.5335 mg/L	22:31:43
2	P 214.914†	14831.9	13011.9	5.277 mg/L	5.277 mg/L	22:31:54
2	Pb 220.353†	9916.6	8862.7	0.5258 mg/L	0.5258 mg/L	22:31:54
2	Sb 206.836†	1079.6	930.6	0.5241 mg/L	0.5241 mg/L	22:31:54
2	Se 196.026†	1903.6	1705.9	1.084 mg/L	1.084 mg/L	22:31:54
2	Sn 189.927†	4490.7	4022.4	0.5341 mg/L	0.5341 mg/L	22:31:54
2	Ti 337.279†	483054.8	433484.2	0.5199 mg/L	0.5199 mg/L	22:31:43
2	Tl 190.801†	1083.2	961.8	0.5206 mg/L	0.5206 mg/L	22:31:54
2	V 292.402†	123513.8	111481.1	0.5191 mg/L	0.5191 mg/L	22:31:43
2	Zn 213.857†	88546.9	78171.8	0.5214 mg/L	0.5214 mg/L	22:31:43

Mean Data: CJ21102-BSD1

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		RSD	
	Intensity	Conc.			Conc.	Units		Std.Dev.
Y 371.029	3463654.8	1.11	mg/L	0.014			1.23%	
Ag 328.068†	42154.7	0.2615	mg/L	0.00278	0.2615	mg/L	0.00278	1.06%
Al 237.313†	26956.6	2.584	mg/L	0.0224	2.584	mg/L	0.0224	0.87%
As 188.979†	681.7	0.5347	mg/L	0.00081	0.5347	mg/L	0.00081	0.15%
B 182.528†	473.4	0.5472	mg/L	0.00704	0.5472	mg/L	0.00704	1.29%
B 249.677†	454.9	0.5345	mg/L	0.00767	0.5345	mg/L	0.00767	1.44%
Ba 233.527†	59264.8	0.5333	mg/L	0.00575	0.5333	mg/L	0.00575	1.08%
Be 313.107†	109641.8	0.0529	mg/L	0.00055	0.0529	mg/L	0.00055	1.04%

Ca	315.887†	718877.4	5.103 mg/L	0.0544	5.103 mg/L	0.0544	1.07%
Cd	228.802†	9788.5	0.2570 mg/L	0.00281	0.2570 mg/L	0.00281	1.09%
Co	228.616†	31140.4	0.5376 mg/L	0.00574	0.5376 mg/L	0.00574	1.07%
Cr	267.716†	65539.6	0.5281 mg/L	0.00600	0.5281 mg/L	0.00600	1.14%
Cu	324.752†	119605.7	0.5272 mg/L	0.00526	0.5272 mg/L	0.00526	1.00%
Fe	234.349†	1697.7	2.668 mg/L	0.0247	2.668 mg/L	0.0247	0.92%
Fe	238.204†	414649.5	2.635 mg/L	0.0286	2.635 mg/L	0.0286	1.09%
K	766.490†	34759.4	25.95 mg/L	0.491	25.95 mg/L	0.491	1.89%
Li	670.784†	9081.1	0.5230 mg/L	0.00658	0.5230 mg/L	0.00658	1.26%
Mg	279.077†	89594.1	5.267 mg/L	0.0573	5.267 mg/L	0.0573	1.09%
Mn	257.610†	456570.1	0.5279 mg/L	0.00573	0.5279 mg/L	0.00573	1.09%
Mo	202.031†	13290.2	0.5137 mg/L	0.00550	0.5137 mg/L	0.00550	1.07%
Na	589.592†	94344.4	25.96 mg/L	0.410	25.96 mg/L	0.410	1.58%
Ni	231.604†	25537.1	0.5382 mg/L	0.00654	0.5382 mg/L	0.00654	1.22%
P	214.914†	13108.9	5.317 mg/L	0.0555	5.317 mg/L	0.0555	1.04%
Pb	220.353†	8906.6	0.5284 mg/L	0.00370	0.5284 mg/L	0.00370	0.70%
Sb	206.836†	931.9	0.5247 mg/L	0.00098	0.5247 mg/L	0.00098	0.19%
Se	196.026†	1714.7	1.090 mg/L	0.0079	1.090 mg/L	0.0079	0.72%
Sn	189.927†	4066.9	0.5400 mg/L	0.00836	0.5400 mg/L	0.00836	1.55%
Sr	407.771†	30195.6	0.0516 mg/L	0.00079	0.0516 mg/L	0.00079	1.52%
Ti	337.279†	436770.3	0.5239 mg/L	0.00556	0.5239 mg/L	0.00556	1.06%
Tl	190.801†	969.3	0.5247 mg/L	0.00580	0.5247 mg/L	0.00580	1.11%
V	292.402†	112247.5	0.5226 mg/L	0.00504	0.5226 mg/L	0.00504	0.96%
Zn	213.857†	78851.5	0.5260 mg/L	0.00646	0.5260 mg/L	0.00646	1.23%

Sequence No.: 82
Sample ID: CJ21102-BLK2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 10/11/2012 10:33:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21102-BLK2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	10.9	6.3	0.0086 mg/L	0.0086 mg/L	22:35:27
1	Fe 234.349†	7.1	1.9	0.0037 mg/L	0.0037 mg/L	22:35:27
1	K 766.490†	380.0	20.5	0.0602 mg/L	0.0602 mg/L	22:35:17
1	Li 670.784†	-96.5	106.3	0.0072 mg/L	0.0072 mg/L	22:35:17
1	Na 589.592†	639.6	843.8	0.1546 mg/L	0.1546 mg/L	22:35:17
1	Sr 407.771†	387.3	225.2	0.0004 mg/L	0.0004 mg/L	22:35:17
1	Y 371.029	3625762.5	3625762.5	1.16 mg/L		22:35:51
1	Ag 328.068†	2045.1	-275.1	-0.0020 mg/L	-0.0020 mg/L	22:35:54
1	Al 237.313†	-78.7	79.3	-0.0091 mg/L	-0.0091 mg/L	22:35:54
1	As 188.979†	13.1	3.4	0.0045 mg/L	0.0045 mg/L	22:36:04
1	B 182.528†	0.8	7.3	0.0102 mg/L	0.0102 mg/L	22:36:04
1	Ba 233.527†	-29.1	41.4	-0.0012 mg/L	-0.0012 mg/L	22:36:04
1	Be 313.107†	-887.8	139.4	0.0001 mg/L	0.0001 mg/L	22:35:54
1	Ca 315.887†	33492.1	27351.7	0.1810 mg/L	0.1810 mg/L	22:35:54
1	Cd 228.802†	93.4	-12.4	-0.0004 mg/L	-0.0004 mg/L	22:36:04
1	Co 228.616†	-57.4	-15.0	-0.0048 mg/L	-0.0048 mg/L	22:36:04
1	Cr 267.716†	721.4	-13.8	-0.0006 mg/L	-0.0006 mg/L	22:35:54
1	Cu 324.752†	2643.8	511.8	0.0003 mg/L	0.0003 mg/L	22:35:54
1	Fe 238.204†	2012.9	870.0	-0.0036 mg/L	-0.0036 mg/L	22:35:54
1	Mg 279.077†	481.7	89.2	-0.0221 mg/L	-0.0221 mg/L	22:35:54
1	Mn 257.610†	6277.9	4858.2	0.0035 mg/L	0.0035 mg/L	22:35:54
1	Mo 202.031†	0.2	11.9	0.0008 mg/L	0.0008 mg/L	22:36:04
1	Ni 231.604†	29.2	15.5	-0.0024 mg/L	-0.0024 mg/L	22:35:54
1	P 214.914†	293.0	-11.5	0.0109 mg/L	0.0109 mg/L	22:36:04
1	Pb 220.353†	32.6	14.3	-0.0018 mg/L	-0.0018 mg/L	22:36:04
1	Sb 206.836†	38.0	-3.0	-0.0031 mg/L	-0.0031 mg/L	22:36:04
1	Se 196.026†	6.5	7.6	0.0068 mg/L	0.0068 mg/L	22:36:04
1	Sn 189.927†	10.7	11.9	-0.0007 mg/L	-0.0007 mg/L	22:36:04
1	Ti 337.279†	-533.0	638.2	0.0019 mg/L	0.0019 mg/L	22:35:54
1	Tl 190.801†	11.2	2.0	-0.0048 mg/L	-0.0048 mg/L	22:36:04
1	V 292.402†	-881.2	162.8	0.0028 mg/L	0.0028 mg/L	22:35:54
1	Zn 213.857†	3631.1	2044.6	0.0104 mg/L	0.0104 mg/L	22:36:04
2	B 249.677†	2.8	-0.7	0.0004 mg/L	0.0004 mg/L	22:35:48
2	Fe 234.349†	10.2	4.7	0.0081 mg/L	0.0081 mg/L	22:35:48
2	K 766.490†	381.0	24.6	0.0632 mg/L	0.0632 mg/L	22:35:38
2	Li 670.784†	-150.1	58.8	0.0045 mg/L	0.0045 mg/L	22:35:38
2	Na 589.592†	676.1	881.0	0.1648 mg/L	0.1648 mg/L	22:35:38

2	Sr 407.771†	334.7	182.7	0.0003 mg/L	0.0003 mg/L	22:35:38
2	Y 371.029	3590208.5	3590208.5	1.15 mg/L		22:36:06
2	Ag 328.068†	2043.5	-259.0	-0.0019 mg/L	-0.0019 mg/L	22:36:08
2	Al 237.313†	-269.7	-87.7	-0.0252 mg/L	-0.0252 mg/L	22:36:08
2	As 188.979†	8.7	-0.3	0.0016 mg/L	0.0016 mg/L	22:36:19
2	B 182.528†	-1.1	5.7	0.0083 mg/L	0.0083 mg/L	22:36:19
2	Ba 233.527†	-38.4	33.0	-0.0013 mg/L	-0.0013 mg/L	22:36:19
2	Be 313.107†	-854.7	160.6	0.0002 mg/L	0.0002 mg/L	22:36:08
2	Ca 315.887†	34361.6	28395.2	0.1884 mg/L	0.1884 mg/L	22:36:08
2	Cd 228.802†	107.9	1.0	0.0000 mg/L	0.0000 mg/L	22:36:19
2	Co 228.616†	-34.4	4.5	-0.0044 mg/L	-0.0044 mg/L	22:36:19
2	Cr 267.716†	636.3	-81.7	-0.0012 mg/L	-0.0012 mg/L	22:36:08
2	Cu 324.752†	2663.3	551.4	0.0005 mg/L	0.0005 mg/L	22:36:08
2	Fe 238.204†	2078.7	944.5	-0.0032 mg/L	-0.0032 mg/L	22:36:08
2	Mg 279.077†	520.4	127.0	-0.0198 mg/L	-0.0198 mg/L	22:36:08
2	Mn 257.610†	6476.7	5085.0	0.0037 mg/L	0.0037 mg/L	22:36:08
2	Mo 202.031†	3.9	15.1	0.0009 mg/L	0.0009 mg/L	22:36:19
2	Ni 231.604†	30.5	16.9	-0.0023 mg/L	-0.0023 mg/L	22:36:08
2	P 214.914†	254.6	-42.5	-0.0016 mg/L	-0.0016 mg/L	22:36:19
2	Pb 220.353†	-25.2	-35.7	-0.0048 mg/L	-0.0048 mg/L	22:36:19
2	Sb 206.836†	46.2	4.5	0.0011 mg/L	0.0011 mg/L	22:36:19
2	Se 196.026†	0.5	2.4	0.0036 mg/L	0.0036 mg/L	22:36:19
2	Sn 189.927†	-19.1	-14.0	-0.0040 mg/L	-0.0040 mg/L	22:36:19
2	Ti 337.279†	-866.1	343.4	0.0016 mg/L	0.0016 mg/L	22:36:08
2	Tl 190.801†	11.1	2.0	-0.0048 mg/L	-0.0048 mg/L	22:36:19
2	V 292.402†	-1030.4	25.3	0.0022 mg/L	0.0022 mg/L	22:36:08
2	Zn 213.857†	3601.8	2050.1	0.0105 mg/L	0.0105 mg/L	22:36:19

Mean Data: CJ21102-BLK2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3607985.5	1.15	mg/L	0.008			0.70%
Ag 328.068†	-267.1	-0.0019	mg/L	0.00007	-0.0019 mg/L	0.00007	3.68%
Al 237.313†	-4.2	-0.0171	mg/L	0.01138	-0.0171 mg/L	0.01138	66.39%
As 188.979†	1.6	0.0031	mg/L	0.00206	0.0031 mg/L	0.00206	67.48%
B 182.528†	6.5	0.0093	mg/L	0.00135	0.0093 mg/L	0.00135	14.56%
B 249.677†	2.8	0.0045	mg/L	0.00578	0.0045 mg/L	0.00578	128.62%
Ba 233.527†	37.2	-0.0012	mg/L	0.00005	-0.0012 mg/L	0.00005	4.36%
Be 313.107†	150.0	0.0001	mg/L	0.00001	0.0001 mg/L	0.00001	4.88%
Ca 315.887†	27873.4	0.1847	mg/L	0.00525	0.1847 mg/L	0.00525	2.84%
Cd 228.802†	-5.7	-0.0002	mg/L	0.00026	-0.0002 mg/L	0.00026	123.09%
Co 228.616†	-5.3	-0.0046	mg/L	0.00024	-0.0046 mg/L	0.00024	5.24%
Cr 267.716†	-47.7	-0.0009	mg/L	0.00039	-0.0009 mg/L	0.00039	41.91%
Cu 324.752†	531.6	0.0004	mg/L	0.00012	0.0004 mg/L	0.00012	33.78%
Fe 234.349†	3.3	0.0059	mg/L	0.00311	0.0059 mg/L	0.00311	53.04%
Fe 238.204†	907.2	-0.0034	mg/L	0.00034	-0.0034 mg/L	0.00034	9.84%
K 766.490†	22.6	0.0617	mg/L	0.00215	0.0617 mg/L	0.00215	3.49%
Li 670.784†	82.6	0.0059	mg/L	0.00193	0.0059 mg/L	0.00193	32.84%
Mg 279.077†	108.1	-0.0210	mg/L	0.00158	-0.0210 mg/L	0.00158	7.55%
Mn 257.610†	4971.6	0.0036	mg/L	0.00019	0.0036 mg/L	0.00019	5.15%
Mo 202.031†	13.5	0.0009	mg/L	0.00009	0.0009 mg/L	0.00009	10.03%
Na 589.592†	862.4	0.1597	mg/L	0.00727	0.1597 mg/L	0.00727	4.55%
Ni 231.604†	16.2	-0.0024	mg/L	0.00002	-0.0024 mg/L	0.00002	0.91%
P 214.914†	-27.0	0.0046	mg/L	0.00887	0.0046 mg/L	0.00887	191.41%
Pb 220.353†	-10.7	-0.0033	mg/L	0.00211	-0.0033 mg/L	0.00211	64.39%
Sb 206.836†	0.8	-0.0010	mg/L	0.00300	-0.0010 mg/L	0.00300	296.60%
Se 196.026†	5.0	0.0052	mg/L	0.00231	0.0052 mg/L	0.00231	44.43%
Sn 189.927†	-1.0	-0.0023	mg/L	0.00239	-0.0023 mg/L	0.00239	102.03%
Sr 407.771†	204.0	0.0004	mg/L	0.00005	0.0004 mg/L	0.00005	14.48%
Ti 337.279†	490.8	0.0018	mg/L	0.00025	0.0018 mg/L	0.00025	14.11%
Tl 190.801†	2.0	-0.0048	mg/L	0.00001	-0.0048 mg/L	0.00001	0.12%
V 292.402†	94.1	0.0025	mg/L	0.00045	0.0025 mg/L	0.00045	18.02%
Zn 213.857†	2047.4	0.0105	mg/L	0.00003	0.0105 mg/L	0.00003	0.25%

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Sequence No.: 83
Sample ID: 1210196-01
Analyst:
Initial Sample Wt:
Dilution:

=====
Autosampler Location: 76
Date Collected: 10/11/2012 10:37:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3610.4	4325.0	5.081 mg/L	mg/L	5.081 mg/L	22:39:45
1	Fe 234.349†	1407.8	1683.5	2.510 mg/L	mg/L	2.510 mg/L	22:39:45
1	K 766.490†	440702.7	528016.8	393.6 mg/L	mg/L	393.6 mg/L	22:39:35
1	Li 670.784†	3909.0	4875.7	0.2813 mg/L	mg/L	0.2813 mg/L	22:39:45
1	Na 589.592†	Saturated2	Saturated2				22:39:45
Saturated in preshot (code 2)							
1	Sr 407.771†	1238294.0	1484385.2	2.539 mg/L	mg/L	2.539 mg/L	22:39:35
1	Y 371.029	2608636.3	2608636.3	0.834 mg/L	mg/L		22:40:06
1	Ag 328.068†	1572.9	-153.4	-0.0010 mg/L	mg/L	-0.0010 mg/L	22:40:08
1	Al 237.313†	17358.7	20957.2	2.001 mg/L	mg/L	2.001 mg/L	22:40:08
1	As 188.979†	-21.1	-33.1	-0.0229 mg/L	mg/L	-0.0229 mg/L	22:40:19
1	B 182.528†	3301.1	3964.1	4.569 mg/L	mg/L	4.569 mg/L	22:40:08
1	Ba 233.527†	27988.2	33619.4	0.3020 mg/L	mg/L	0.3020 mg/L	22:40:08
1	Be 313.107†	-1148.9	-472.2	-0.0002 mg/L	mg/L	-0.0002 mg/L	22:40:08
1	Ca 315.887†	19416922.0	23275896.4	165.6 mg/L	mg/L	165.6 mg/L	22:40:03
1	Cd 228.802†	96.4	22.5	0.0007 mg/L	mg/L	0.0007 mg/L	22:40:19
1	Co 228.616†	147.8	211.6	-0.0010 mg/L	mg/L	-0.0010 mg/L	22:40:19
1	Cr 267.716†	1210.7	815.4	0.0061 mg/L	mg/L	0.0061 mg/L	22:40:08
1	Cu 324.752†	3078.1	1921.6	0.0066 mg/L	mg/L	0.0066 mg/L	22:40:08
1	Fe 238.204†	274711.2	328463.6	2.085 mg/L	mg/L	2.085 mg/L	22:40:08
1	Mg 279.077†	3225119.9	3866018.3	228.3 mg/L	mg/L	228.3 mg/L	22:40:06
1	Mn 257.610†	1433134.8	1717516.8	1.991 mg/L	mg/L	1.991 mg/L	22:40:06
1	Mo 202.031†	666.7	811.1	0.0309 mg/L	mg/L	0.0309 mg/L	22:40:19
1	Ni 231.604†	341.0	399.1	0.0058 mg/L	mg/L	0.0058 mg/L	22:40:19
1	P 214.914†	8464.7	9883.5	4.023 mg/L	mg/L	4.023 mg/L	22:40:19
1	Pb 220.353†	-75.9	-104.8	-0.0095 mg/L	mg/L	-0.0095 mg/L	22:40:19
1	Sb 206.836†	60.0	36.2	0.0179 mg/L	mg/L	0.0179 mg/L	22:40:19
1	Se 196.026†	22.7	29.1	0.0216 mg/L	mg/L	0.0216 mg/L	22:40:19
1	Sn 189.927†	-667.2	-797.2	-0.0992 mg/L	mg/L	-0.0992 mg/L	22:40:19
1	Ti 337.279†	77334.3	93808.0	0.1134 mg/L	mg/L	0.1134 mg/L	22:40:08
1	Tl 190.801†	52.6	55.4	0.0230 mg/L	mg/L	0.0230 mg/L	22:40:19
1	V 292.402†	1398.8	2599.8	0.0136 mg/L	mg/L	0.0136 mg/L	22:40:08
1	Zn 213.857†	4594.5	4420.8	0.0265 mg/L	mg/L	0.0265 mg/L	22:40:19
2	B 249.677†	3607.9	4321.6	5.077 mg/L	mg/L	5.077 mg/L	22:39:58
2	Fe 234.349†	1406.6	1681.8	2.508 mg/L	mg/L	2.508 mg/L	22:39:58
2	K 766.490†	448051.4	536771.8	400.1 mg/L	mg/L	400.1 mg/L	22:39:48
2	Li 670.784†	3906.6	4872.4	0.2812 mg/L	mg/L	0.2812 mg/L	22:39:58
2	Na 589.592†	Saturated2	Saturated2				22:39:58
Saturated in preshot (code 2)							
2	Sr 407.771†	1241512.2	1488091.2	2.545 mg/L	mg/L	2.545 mg/L	22:39:48
2	Y 371.029	2608902.9	2608902.9	0.834 mg/L	mg/L		22:40:25
2	Ag 328.068†	1530.9	-203.9	-0.0013 mg/L	mg/L	-0.0013 mg/L	22:40:27
2	Al 237.313†	17136.9	20689.2	1.976 mg/L	mg/L	1.976 mg/L	22:40:27
2	As 188.979†	-17.7	-29.1	-0.0198 mg/L	mg/L	-0.0198 mg/L	22:40:38
2	B 182.528†	3225.8	3873.5	4.465 mg/L	mg/L	4.465 mg/L	22:40:27
2	Ba 233.527†	27494.3	33024.0	0.2966 mg/L	mg/L	0.2966 mg/L	22:40:27
2	Be 313.107†	-1163.3	-489.3	-0.0002 mg/L	mg/L	-0.0002 mg/L	22:40:27
2	Ca 315.887†	19283207.7	23113234.7	164.4 mg/L	mg/L	164.4 mg/L	22:40:22
2	Cd 228.802†	105.2	33.1	0.0009 mg/L	mg/L	0.0009 mg/L	22:40:38
2	Co 228.616†	136.3	197.8	-0.0013 mg/L	mg/L	-0.0013 mg/L	22:40:38
2	Cr 267.716†	1182.8	781.8	0.0058 mg/L	mg/L	0.0058 mg/L	22:40:27
2	Cu 324.752†	2989.3	1814.9	0.0061 mg/L	mg/L	0.0061 mg/L	22:40:27
2	Fe 238.204†	270355.9	323209.3	2.051 mg/L	mg/L	2.051 mg/L	22:40:27
2	Mg 279.077†	3210860.1	3848529.9	227.3 mg/L	mg/L	227.3 mg/L	22:40:25
2	Mn 257.610†	1427127.4	1710140.1	1.983 mg/L	mg/L	1.983 mg/L	22:40:25
2	Mo 202.031†	663.9	807.6	0.0308 mg/L	mg/L	0.0308 mg/L	22:40:38
2	Ni 231.604†	352.3	412.6	0.0061 mg/L	mg/L	0.0061 mg/L	22:40:38
2	P 214.914†	8379.7	9780.5	3.982 mg/L	mg/L	3.982 mg/L	22:40:38
2	Pb 220.353†	-64.5	-91.0	-0.0087 mg/L	mg/L	-0.0087 mg/L	22:40:38
2	Sb 206.836†	46.1	19.5	0.0084 mg/L	mg/L	0.0084 mg/L	22:40:38
2	Se 196.026†	20.1	26.0	0.0196 mg/L	mg/L	0.0196 mg/L	22:40:38
2	Sn 189.927†	-649.9	-776.4	-0.0965 mg/L	mg/L	-0.0965 mg/L	22:40:38
2	Ti 337.279†	76107.0	92327.4	0.1117 mg/L	mg/L	0.1117 mg/L	22:40:27
2	Tl 190.801†	52.1	54.7	0.0227 mg/L	mg/L	0.0227 mg/L	22:40:38
2	V 292.402†	1432.9	2640.5	0.0138 mg/L	mg/L	0.0138 mg/L	22:40:27
2	Zn 213.857†	4560.0	4378.7	0.0262 mg/L	mg/L	0.0262 mg/L	22:40:38

Analyte	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	2608769.6	0.834 mg/L	0.0001	0.834 mg/L	0.0001	0.01%
Ag 328.068†	-178.6	-0.0012 mg/L	0.00022	-0.0012 mg/L	0.00022	19.00%
Al 237.313†	20823.2	1.988 mg/L	0.0183	1.988 mg/L	0.0183	0.92%
As 188.979†	-31.1	-0.0214 mg/L	0.00219	-0.0214 mg/L	0.00219	10.25%
B 182.528†	3918.8	4.517 mg/L	0.0738	4.517 mg/L	0.0738	1.63%
B 249.677†	4323.3	5.079 mg/L	0.0028	5.079 mg/L	0.0028	0.06%
Ba 233.527†	33321.7	0.2993 mg/L	0.00380	0.2993 mg/L	0.00380	1.27%
Be 313.107†	-480.8	-0.0002 mg/L	0.00001	-0.0002 mg/L	0.00001	3.76%
Ca 315.887†	23194565.6	165.0 mg/L	0.82	165.0 mg/L	0.82	0.50%
Cd 228.802†	27.8	0.0008 mg/L	0.00019	0.0008 mg/L	0.00019	23.84%
Co 228.616†	204.7	-0.0011 mg/L	0.00017	-0.0011 mg/L	0.00017	14.78%
Cr 267.716†	798.6	0.0059 mg/L	0.00019	0.0059 mg/L	0.00019	3.23%
Cu 324.752†	1868.2	0.0064 mg/L	0.00033	0.0064 mg/L	0.00033	5.26%
Fe 234.349†	1682.7	2.509 mg/L	0.0011	2.509 mg/L	0.0011	0.04%
Fe 238.204†	325836.5	2.068 mg/L	0.0237	2.068 mg/L	0.0237	1.15%
K 766.490†	532394.3	396.8 mg/L	4.61	396.8 mg/L	4.61	1.16%
Li 670.784†	4874.1	0.2813 mg/L	0.00013	0.2813 mg/L	0.00013	0.05%
Mg 279.077†	3857274.1	227.8 mg/L	0.73	227.8 mg/L	0.73	0.32%
Mn 257.610†	1713828.5	1.987 mg/L	0.0061	1.987 mg/L	0.0061	0.30%
Mo 202.031†	809.3	0.0309 mg/L	0.00009	0.0309 mg/L	0.00009	0.30%
Na 589.592†	Saturated2					
Ni 231.604†	405.8	0.0059 mg/L	0.00020	0.0059 mg/L	0.00020	3.41%
P 214.914†	9832.0	4.002 mg/L	0.0295	4.002 mg/L	0.0295	0.74%
Pb 220.353†	-97.9	-0.0091 mg/L	0.00059	-0.0091 mg/L	0.00059	6.48%
Sb 206.836†	27.9	0.0131 mg/L	0.00667	0.0131 mg/L	0.00667	50.73%
Se 196.026†	27.6	0.0206 mg/L	0.00141	0.0206 mg/L	0.00141	6.86%
Sn 189.927†	-786.8	-0.0979 mg/L	0.00193	-0.0979 mg/L	0.00193	1.98%
Sr 407.771†	1486238.2	2.542 mg/L	0.0045	2.542 mg/L	0.0045	0.18%
Ti 337.279†	93067.7	0.1126 mg/L	0.00125	0.1126 mg/L	0.00125	1.11%
Tl 190.801†	55.0	0.0228 mg/L	0.00025	0.0228 mg/L	0.00025	1.11%
V 292.402†	2620.1	0.0137 mg/L	0.00013	0.0137 mg/L	0.00013	0.96%
Zn 213.857†	4399.7	0.0263 mg/L	0.00020	0.0263 mg/L	0.00020	0.77%

Sequence No.: 84
Sample ID: 1210235-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 10/11/2012 10:43:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210235-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	260.9	245.3	0.2892 mg/L	0.2892 mg/L	22:45:37
1	Fe 234.349†	106.6	97.2	0.1002 mg/L	0.1002 mg/L	22:45:37
1	K 766.490†	10924.2	10091.2	7.566 mg/L	7.566 mg/L	22:45:27
1	Li 670.784†	-46.2	145.6	0.0095 mg/L	0.0095 mg/L	22:45:27
1	Na 589.592†	139682.2	133251.3	36.69 mg/L	36.69 mg/L	22:45:27
1	Sr 407.771†	102523.3	97480.0	0.1667 mg/L	0.1667 mg/L	22:45:27
1	Y 371.029	3285419.2	3285419.2	1.05 mg/L		22:45:56
1	Ag 328.068†	1831.2	-295.9	-0.0021 mg/L	-0.0021 mg/L	22:45:59
1	Al 237.313†	847.8	954.2	0.0752 mg/L	0.0752 mg/L	22:46:09
1	As 188.979†	-11.4	-18.7	-0.0127 mg/L	-0.0127 mg/L	22:46:09
1	B 182.528†	222.3	218.3	0.2533 mg/L	0.2533 mg/L	22:46:09
1	Ba 233.527†	4175.3	4040.9	0.0349 mg/L	0.0349 mg/L	22:46:09
1	Be 313.107†	-1029.0	-74.4	0.0000 mg/L	0.0000 mg/L	22:45:59
1	Ca 315.887†	8931621.0	8500202.2	60.45 mg/L	60.45 mg/L	22:45:54
1	Cd 228.802†	92.6	-4.9	-0.0001 mg/L	-0.0001 mg/L	22:46:09
1	Co 228.616†	-9.4	25.5	-0.0041 mg/L	-0.0041 mg/L	22:46:09
1	Cr 267.716†	1160.8	469.0	0.0032 mg/L	0.0032 mg/L	22:45:59
1	Cu 324.752†	2480.6	592.8	0.0006 mg/L	0.0006 mg/L	22:45:59
1	Fe 238.204†	11851.4	10414.9	0.0572 mg/L	0.0572 mg/L	22:45:59
1	Mg 279.077†	107626.6	102120.2	6.005 mg/L	6.005 mg/L	22:45:59
1	Mn 257.610†	5566.5	4741.9	0.0033 mg/L	0.0033 mg/L	22:46:09
1	Mo 202.031†	212.5	214.1	0.0086 mg/L	0.0086 mg/L	22:46:09
1	Ni 231.604†	40.9	29.2	-0.0021 mg/L	-0.0021 mg/L	22:46:09
1	P 214.914†	403.4	119.8	0.0643 mg/L	0.0643 mg/L	22:46:09
1	Pb 220.353†	-118.6	-126.7	-0.0103 mg/L	-0.0103 mg/L	22:46:09
1	Sb 206.836†	53.9	15.6	0.0073 mg/L	0.0073 mg/L	22:46:09
1	Se 196.026†	-6.0	-3.8	-0.0003 mg/L	-0.0003 mg/L	22:46:09
1	Sn 189.927†	-454.4	-429.9	-0.0583 mg/L	-0.0583 mg/L	22:46:09

1	Ti 337.279†	2109.4	3105.7	0.0049	mg/L	0.0049	mg/L	22:45:59
1	Tl 190.801†	30.9	21.7	0.0060	mg/L	0.0060	mg/L	22:46:09
1	V 292.402†	-746.2	212.6	0.0031	mg/L	0.0031	mg/L	22:45:59
1	Zn 213.857†	9918.7	8354.0	0.0531	mg/L	0.0531	mg/L	22:46:09
2	B 249.677†	261.8	243.2	0.2868	mg/L	0.2868	mg/L	22:45:50
2	Fe 234.349†	108.3	97.7	0.1008	mg/L	0.1008	mg/L	22:45:50
2	K 766.490†	10982.5	10026.0	7.517	mg/L	7.517	mg/L	22:45:40
2	Li 670.784†	-53.7	139.0	0.0091	mg/L	0.0091	mg/L	22:45:40
2	Na 589.592†	140466.4	132453.3	36.47	mg/L	36.47	mg/L	22:45:40
2	Sr 407.771†	103683.2	97444.1	0.1667	mg/L	0.1667	mg/L	22:45:40
2	Y 371.029	3323813.5	3323813.5	1.06	mg/L			22:46:14
2	Ag 328.068†	1847.0	-301.2	-0.0021	mg/L	-0.0021	mg/L	22:46:16
2	Al 237.313†	864.9	961.0	0.0758	mg/L	0.0758	mg/L	22:46:26
2	As 188.979†	-11.8	-18.9	-0.0129	mg/L	-0.0129	mg/L	22:46:26
2	B 182.528†	220.4	214.1	0.2484	mg/L	0.2484	mg/L	22:46:26
2	Ba 233.527†	4194.3	4012.8	0.0347	mg/L	0.0347	mg/L	22:46:26
2	Be 313.107†	-1061.5	-93.7	0.0000	mg/L	0.0000	mg/L	22:46:16
2	Ca 315.887†	9070574.7	8532734.1	60.69	mg/L	60.69	mg/L	22:46:12
2	Cd 228.802†	106.1	6.8	0.0002	mg/L	0.0002	mg/L	22:46:26
2	Co 228.616†	-36.3	0.3	-0.0045	mg/L	-0.0045	mg/L	22:46:26
2	Cr 267.716†	1212.4	504.8	0.0035	mg/L	0.0035	mg/L	22:46:16
2	Cu 324.752†	2460.6	546.7	0.0004	mg/L	0.0004	mg/L	22:46:16
2	Fe 238.204†	12154.8	10570.0	0.0582	mg/L	0.0582	mg/L	22:46:16
2	Mg 279.077†	110512.0	103651.6	6.095	mg/L	6.095	mg/L	22:46:16
2	Mn 257.610†	5542.5	4658.1	0.0032	mg/L	0.0032	mg/L	22:46:26
2	Mo 202.031†	221.5	220.2	0.0088	mg/L	0.0088	mg/L	22:46:26
2	Ni 231.604†	49.1	36.5	-0.0019	mg/L	-0.0019	mg/L	22:46:26
2	P 214.914†	426.7	137.2	0.0714	mg/L	0.0714	mg/L	22:46:26
2	Pb 220.353†	-74.8	-84.1	-0.0077	mg/L	-0.0077	mg/L	22:46:26
2	Sb 206.836†	48.2	9.6	0.0039	mg/L	0.0039	mg/L	22:46:26
2	Se 196.026†	-8.0	-5.6	-0.0014	mg/L	-0.0014	mg/L	22:46:26
2	Sn 189.927†	-440.2	-411.5	-0.0559	mg/L	-0.0559	mg/L	22:46:26
2	Ti 337.279†	1914.3	2899.0	0.0046	mg/L	0.0046	mg/L	22:46:16
2	Tl 190.801†	22.4	13.3	0.0014	mg/L	0.0014	mg/L	22:46:26
2	V 292.402†	-752.3	215.1	0.0031	mg/L	0.0031	mg/L	22:46:16
2	Zn 213.857†	9924.8	8250.7	0.0524	mg/L	0.0524	mg/L	22:46:26

Mean Data: 1210235-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3304616.4	1.06	mg/L	0.009				0.82%
Ag 328.068†	-298.6	-0.0021	mg/L	0.00002	-0.0021	mg/L	0.00002	1.09%
Al 237.313†	957.6	0.0755	mg/L	0.00046	0.0755	mg/L	0.00046	0.61%
As 188.979†	-18.8	-0.0128	mg/L	0.00014	-0.0128	mg/L	0.00014	1.12%
B 182.528†	216.2	0.2509	mg/L	0.00343	0.2509	mg/L	0.00343	1.37%
B 249.677†	244.2	0.2880	mg/L	0.00173	0.2880	mg/L	0.00173	0.60%
Ba 233.527†	4026.8	0.0348	mg/L	0.00018	0.0348	mg/L	0.00018	0.52%
Be 313.107†	-84.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	18.66%
Ca 315.887†	8516468.2	60.57	mg/L	0.164	60.57	mg/L	0.164	0.27%
Cd 228.802†	0.9	0.0000	mg/L	0.00022	0.0000	mg/L	0.00022	647.53%
Co 228.616†	12.9	-0.0043	mg/L	0.00031	-0.0043	mg/L	0.00031	7.25%
Cr 267.716†	486.9	0.0034	mg/L	0.00020	0.0034	mg/L	0.00020	6.02%
Cu 324.752†	569.7	0.0005	mg/L	0.00014	0.0005	mg/L	0.00014	26.89%
Fe 234.349†	97.5	0.1005	mg/L	0.00040	0.1005	mg/L	0.00040	0.39%
Fe 238.204†	10492.4	0.0577	mg/L	0.00070	0.0577	mg/L	0.00070	1.21%
K 766.490†	10058.6	7.541	mg/L	0.0344	7.541	mg/L	0.0344	0.46%
Li 670.784†	142.3	0.0093	mg/L	0.00027	0.0093	mg/L	0.00027	2.85%
Mg 279.077†	102885.9	6.050	mg/L	0.0640	6.050	mg/L	0.0640	1.06%
Mn 257.610†	4700.0	0.0033	mg/L	0.00007	0.0033	mg/L	0.00007	2.09%
Mo 202.031†	217.1	0.0087	mg/L	0.00017	0.0087	mg/L	0.00017	1.91%
Na 589.592†	132852.3	36.58	mg/L	0.156	36.58	mg/L	0.156	0.43%
Ni 231.604†	32.8	-0.0020	mg/L	0.00011	-0.0020	mg/L	0.00011	5.47%
P 214.914†	128.5	0.0679	mg/L	0.00499	0.0679	mg/L	0.00499	7.35%
Pb 220.353†	-105.4	-0.0090	mg/L	0.00180	-0.0090	mg/L	0.00180	19.96%
Sb 206.836†	12.6	0.0056	mg/L	0.00237	0.0056	mg/L	0.00237	42.35%
Se 196.026†	-4.7	-0.0009	mg/L	0.00080	-0.0009	mg/L	0.00080	92.27%
Sn 189.927†	-420.7	-0.0571	mg/L	0.00171	-0.0571	mg/L	0.00171	2.99%
Sr 407.771†	97462.0	0.1667	mg/L	0.00004	0.1667	mg/L	0.00004	0.03%
Ti 337.279†	3002.4	0.0048	mg/L	0.00017	0.0048	mg/L	0.00017	3.67%
Tl 190.801†	17.5	0.0037	mg/L	0.00329	0.0037	mg/L	0.00329	88.74%
V 292.402†	213.9	0.0031	mg/L	0.00001	0.0031	mg/L	0.00001	0.34%
Zn 213.857†	8302.4	0.0528	mg/L	0.00049	0.0528	mg/L	0.00049	0.94%

Sequence No.: 85
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/11/2012 10:48:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	476.2	438.2	0.5150	mg/L	0.5150	mg/L	22:49:56
1	Fe 234.349†	1729.6	1598.8	2.513	mg/L	2.513	mg/L	22:49:56
1	K 766.490†	36252.5	33291.4	24.86	mg/L	24.86	mg/L	22:49:46
1	Li 670.784†	9054.2	8580.9	0.4943	mg/L	0.4943	mg/L	22:49:56
1	Na 589.592†	101483.3	94346.3	25.96	mg/L	25.96	mg/L	22:49:46
1	Sr 407.771†	30939.8	28566.0	0.0489	mg/L	0.0489	mg/L	22:49:46
1	Y 371.029	3374307.3	3374307.3	1.08	mg/L			22:50:14
1	Ag 328.068†	45029.6	39694.2	0.2463	mg/L	0.2463	mg/L	22:50:14
1	Al 237.313†	27919.0	26022.4	2.494	mg/L	2.494	mg/L	22:50:25
1	As 188.979†	681.0	623.3	0.4890	mg/L	0.4890	mg/L	22:50:25
1	B 182.528†	460.4	433.4	0.5012	mg/L	0.5012	mg/L	22:50:25
1	Ba 233.527†	59592.8	55296.8	0.4975	mg/L	0.4975	mg/L	22:50:14
1	Be 313.107†	109698.0	102572.6	0.0495	mg/L	0.0495	mg/L	22:50:14
1	Ca 315.887†	755811.4	698946.2	4.961	mg/L	4.961	mg/L	22:50:14
1	Cd 228.802†	10013.6	9187.5	0.2413	mg/L	0.2413	mg/L	22:50:25
1	Co 228.616†	31123.4	28879.5	0.4982	mg/L	0.4982	mg/L	22:50:25
1	Cr 267.716†	67054.4	61509.7	0.4956	mg/L	0.4956	mg/L	22:50:14
1	Cu 324.752†	123200.2	112412.8	0.4954	mg/L	0.4954	mg/L	22:50:14
1	Fe 238.204†	422002.0	390243.1	2.479	mg/L	2.479	mg/L	22:50:14
1	Mg 279.077†	91991.7	84931.1	4.991	mg/L	4.991	mg/L	22:50:14
1	Mn 257.610†	461924.0	427552.1	0.4943	mg/L	0.4943	mg/L	22:50:14
1	Mo 202.031†	13509.8	12532.6	0.4844	mg/L	0.4844	mg/L	22:50:25
1	Ni 231.604†	25701.3	23810.2	0.5016	mg/L	0.5016	mg/L	22:50:14
1	P 214.914†	13270.5	12034.8	4.882	mg/L	4.882	mg/L	22:50:25
1	Pb 220.353†	8964.8	8294.7	0.4919	mg/L	0.4919	mg/L	22:50:25
1	Sb 206.836†	970.3	863.5	0.4861	mg/L	0.4861	mg/L	22:50:25
1	Se 196.026†	1666.7	1546.6	0.9831	mg/L	0.9831	mg/L	22:50:25
1	Sn 189.927†	4040.8	3747.6	0.4976	mg/L	0.4976	mg/L	22:50:25
1	Ti 337.279†	443808.8	412417.6	0.4947	mg/L	0.4947	mg/L	22:50:14
1	Tl 190.801†	972.8	893.9	0.4833	mg/L	0.4833	mg/L	22:50:25
1	V 292.402†	115411.6	107885.8	0.5023	mg/L	0.5023	mg/L	22:50:14
1	Zn 213.857†	79671.2	72751.6	0.4850	mg/L	0.4850	mg/L	22:50:14
2	B 249.677†	477.7	438.5	0.5153	mg/L	0.5153	mg/L	22:50:09
2	Fe 234.349†	1753.1	1616.7	2.541	mg/L	2.541	mg/L	22:50:09
2	K 766.490†	36433.6	33379.5	24.92	mg/L	24.92	mg/L	22:49:59
2	Li 670.784†	9118.2	8620.3	0.4966	mg/L	0.4966	mg/L	22:50:09
2	Na 589.592†	101803.2	94420.0	25.98	mg/L	25.98	mg/L	22:49:59
2	Sr 407.771†	31176.6	28717.3	0.0491	mg/L	0.0491	mg/L	22:49:59
2	Y 371.029	3382294.3	3382294.3	1.08	mg/L			22:50:28
2	Ag 328.068†	45132.4	39690.7	0.2462	mg/L	0.2462	mg/L	22:50:28
2	Al 237.313†	27693.6	25752.9	2.468	mg/L	2.468	mg/L	22:50:38
2	As 188.979†	679.2	620.1	0.4865	mg/L	0.4865	mg/L	22:50:38
2	B 182.528†	456.4	428.7	0.4957	mg/L	0.4957	mg/L	22:50:38
2	Ba 233.527†	59853.3	55407.3	0.4984	mg/L	0.4984	mg/L	22:50:28
2	Be 313.107†	110210.6	102806.5	0.0497	mg/L	0.0497	mg/L	22:50:28
2	Ca 315.887†	759677.4	700866.6	4.975	mg/L	4.975	mg/L	22:50:28
2	Cd 228.802†	9942.3	9099.7	0.2390	mg/L	0.2390	mg/L	22:50:38
2	Co 228.616†	30923.9	28626.9	0.4938	mg/L	0.4938	mg/L	22:50:38
2	Cr 267.716†	67418.6	61699.7	0.4971	mg/L	0.4971	mg/L	22:50:28
2	Cu 324.752†	123512.7	112432.2	0.4955	mg/L	0.4955	mg/L	22:50:28
2	Fe 238.204†	423928.8	391101.1	2.485	mg/L	2.485	mg/L	22:50:28
2	Mg 279.077†	92569.8	85264.3	5.011	mg/L	5.011	mg/L	22:50:28
2	Mn 257.610†	463500.7	427999.0	0.4948	mg/L	0.4948	mg/L	22:50:28
2	Mo 202.031†	13413.0	12413.5	0.4798	mg/L	0.4798	mg/L	22:50:38
2	Ni 231.604†	25794.5	23840.0	0.5022	mg/L	0.5022	mg/L	22:50:28
2	P 214.914†	13159.3	11902.9	4.829	mg/L	4.829	mg/L	22:50:38
2	Pb 220.353†	8910.8	8225.2	0.4878	mg/L	0.4878	mg/L	22:50:38
2	Sb 206.836†	971.7	862.7	0.4857	mg/L	0.4857	mg/L	22:50:38
2	Se 196.026†	1647.8	1525.6	0.9698	mg/L	0.9698	mg/L	22:50:38
2	Sn 189.927†	4010.6	3710.9	0.4929	mg/L	0.4929	mg/L	22:50:38
2	Ti 337.279†	445425.9	412941.5	0.4953	mg/L	0.4953	mg/L	22:50:28

2	Tl 190.801†	960.4	880.3	0.4758 mg/L	0.4758 mg/L	22:50:38
2	V 292.402†	115504.8	107719.3	0.5015 mg/L	0.5015 mg/L	22:50:28
2	Zn 213.857†	80202.9	73068.8	0.4871 mg/L	0.4871 mg/L	22:50:28

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3378300.8	1.08 mg/L		0.002			0.17%
Ag 328.068†	39692.5	0.2462 mg/L		0.00001	0.2462 mg/L	0.00001	0.01%
QC value within limits for Ag	328.068	Recovery = 98.50%					
Al 237.313†	25887.6	2.481 mg/L		0.0184	2.481 mg/L	0.0184	0.74%
QC value within limits for Al	237.313	Recovery = 99.25%					
As 188.979†	621.7	0.4878 mg/L		0.00176	0.4878 mg/L	0.00176	0.36%
QC value within limits for As	188.979	Recovery = 97.56%					
B 182.528†	431.1	0.4984 mg/L		0.00384	0.4984 mg/L	0.00384	0.77%
QC value within limits for B	182.528	Recovery = 99.69%					
B 249.677†	438.4	0.5151 mg/L		0.00027	0.5151 mg/L	0.00027	0.05%
QC value within limits for B	249.677	Recovery = 103.03%					
Ba 233.527†	55352.0	0.4979 mg/L		0.00071	0.4979 mg/L	0.00071	0.14%
QC value within limits for Ba	233.527	Recovery = 99.59%					
Be 313.107†	102689.6	0.0496 mg/L		0.00008	0.0496 mg/L	0.00008	0.16%
QC value within limits for Be	313.107	Recovery = 99.19%					
Ca 315.887†	699906.4	4.968 mg/L		0.0097	4.968 mg/L	0.0097	0.19%
QC value within limits for Ca	315.887	Recovery = 99.36%					
Cd 228.802†	9143.6	0.2401 mg/L		0.00164	0.2401 mg/L	0.00164	0.68%
QC value within limits for Cd	228.802	Recovery = 96.05%					
Co 228.616†	28753.2	0.4960 mg/L		0.00312	0.4960 mg/L	0.00312	0.63%
QC value within limits for Co	228.616	Recovery = 99.21%					
Cr 267.716†	61604.7	0.4963 mg/L		0.00108	0.4963 mg/L	0.00108	0.22%
QC value within limits for Cr	267.716	Recovery = 99.26%					
Cu 324.752†	112422.5	0.4954 mg/L		0.00006	0.4954 mg/L	0.00006	0.01%
QC value within limits for Cu	324.752	Recovery = 99.09%					
Fe 234.349†	1607.8	2.527 mg/L		0.0200	2.527 mg/L	0.0200	0.79%
QC value within limits for Fe	234.349	Recovery = 101.08%					
Fe 238.204†	390672.1	2.482 mg/L		0.0039	2.482 mg/L	0.0039	0.16%
QC value within limits for Fe	238.204	Recovery = 99.28%					
K 766.490†	33335.5	24.89 mg/L		0.046	24.89 mg/L	0.046	0.19%
QC value within limits for K	766.490	Recovery = 99.56%					
Li 670.784†	8600.6	0.4954 mg/L		0.00160	0.4954 mg/L	0.00160	0.32%
QC value within limits for Li	670.784	Recovery = 99.08%					
Mg 279.077†	85097.7	5.001 mg/L		0.0139	5.001 mg/L	0.0139	0.28%
QC value within limits for Mg	279.077	Recovery = 100.02%					
Mn 257.610†	427775.6	0.4945 mg/L		0.00037	0.4945 mg/L	0.00037	0.07%
QC value within limits for Mn	257.610	Recovery = 98.90%					
Mo 202.031†	12473.1	0.4821 mg/L		0.00327	0.4821 mg/L	0.00327	0.68%
QC value within limits for Mo	202.031	Recovery = 96.42%					
Na 589.592†	94383.1	25.97 mg/L		0.014	25.97 mg/L	0.014	0.06%
QC value within limits for Na	589.592	Recovery = 103.87%					
Ni 231.604†	23825.1	0.5019 mg/L		0.00044	0.5019 mg/L	0.00044	0.09%
QC value within limits for Ni	231.604	Recovery = 100.38%					
P 214.914†	11968.9	4.856 mg/L		0.0377	4.856 mg/L	0.0377	0.78%
QC value within limits for P	214.914	Recovery = 97.11%					
Pb 220.353†	8260.0	0.4899 mg/L		0.00294	0.4899 mg/L	0.00294	0.60%
QC value within limits for Pb	220.353	Recovery = 97.97%					
Sb 206.836†	863.1	0.4859 mg/L		0.00033	0.4859 mg/L	0.00033	0.07%
QC value within limits for Sb	206.836	Recovery = 97.18%					
Se 196.026†	1536.1	0.9765 mg/L		0.00943	0.9765 mg/L	0.00943	0.97%
QC value within limits for Se	196.026	Recovery = 97.65%					
Sn 189.927†	3729.3	0.4953 mg/L		0.00335	0.4953 mg/L	0.00335	0.68%
QC value within limits for Sn	189.927	Recovery = 99.05%					
Sr 407.771†	28641.6	0.0490 mg/L		0.00018	0.0490 mg/L	0.00018	0.37%
QC value within limits for Sr	407.771	Recovery = 97.98%					
Ti 337.279†	412679.5	0.4950 mg/L		0.00044	0.4950 mg/L	0.00044	0.09%
QC value within limits for Ti	337.279	Recovery = 99.01%					
Tl 190.801†	887.1	0.4795 mg/L		0.00530	0.4795 mg/L	0.00530	1.10%
QC value within limits for Tl	190.801	Recovery = 95.90%					
V 292.402†	107802.5	0.5019 mg/L		0.00056	0.5019 mg/L	0.00056	0.11%
QC value within limits for V	292.402	Recovery = 100.38%					
Zn 213.857†	72910.2	0.4861 mg/L		0.00151	0.4861 mg/L	0.00151	0.31%
QC value within limits for Zn	213.857	Recovery = 97.21%					

All analyte(s) passed QC.

Sequence No.: 86
Sample ID: CCB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/11/2012 10:52:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	11.2	6.7	0.0091 mg/L	0.0091 mg/L	22:54:16
1	Fe 234.349†	0.3	-4.0	-0.0055 mg/L	-0.0055 mg/L	22:54:16
1	K 766.490†	928.8	514.7	0.4285 mg/L	0.4285 mg/L	22:54:06
1	Li 670.784†	-132.8	72.0	0.0053 mg/L	0.0053 mg/L	22:54:06
1	Na 589.592†	3007.3	2953.4	0.7367 mg/L	0.7367 mg/L	22:54:06
1	Sr 407.771†	126.7	3.4	0.0000 mg/L	0.0000 mg/L	22:54:06
1	Y 371.029	3533852.7	3533852.7	1.13 mg/L		22:54:40
1	Ag 328.068†	1917.7	-342.0	-0.0024 mg/L	-0.0024 mg/L	22:54:43
1	Al 237.313†	-318.5	-134.6	-0.0297 mg/L	-0.0297 mg/L	22:54:43
1	As 188.979†	7.9	-0.8	0.0012 mg/L	0.0012 mg/L	22:54:53
1	B 182.528†	-4.3	2.9	0.0051 mg/L	0.0051 mg/L	22:54:53
1	Ba 233.527†	-70.2	4.4	-0.0015 mg/L	-0.0015 mg/L	22:54:53
1	Be 313.107†	-850.8	152.2	0.0001 mg/L	0.0001 mg/L	22:54:43
1	Ca 315.887†	1132.9	-533.4	-0.0174 mg/L	-0.0174 mg/L	22:54:43
1	Cd 228.802†	95.7	-8.3	-0.0003 mg/L	-0.0003 mg/L	22:54:53
1	Co 228.616†	-24.7	12.6	-0.0043 mg/L	-0.0043 mg/L	22:54:53
1	Cr 267.716†	635.3	-73.7	-0.0011 mg/L	-0.0011 mg/L	22:54:43
1	Cu 324.752†	2012.1	12.2	-0.0019 mg/L	-0.0019 mg/L	22:54:43
1	Fe 238.204†	553.5	-376.4	-0.0116 mg/L	-0.0116 mg/L	22:54:53
1	Mg 279.077†	258.5	-97.6	-0.0331 mg/L	-0.0331 mg/L	22:54:43
1	Mn 257.610†	492.6	-120.7	-0.0023 mg/L	-0.0023 mg/L	22:54:43
1	Mo 202.031†	11.3	21.8	0.0012 mg/L	0.0012 mg/L	22:54:53
1	Ni 231.604†	36.0	22.2	-0.0022 mg/L	-0.0022 mg/L	22:54:43
1	P 214.914†	256.7	-37.1	0.0005 mg/L	0.0005 mg/L	22:54:53
1	Pb 220.353†	19.0	3.0	-0.0024 mg/L	-0.0024 mg/L	22:54:53
1	Sb 206.836†	35.0	-4.8	-0.0041 mg/L	-0.0041 mg/L	22:54:53
1	Se 196.026†	10.3	11.0	0.0090 mg/L	0.0090 mg/L	22:54:53
1	Sn 189.927†	-2.6	0.4	-0.0022 mg/L	-0.0022 mg/L	22:54:53
1	Ti 337.279†	-1080.4	141.8	0.0013 mg/L	0.0013 mg/L	22:54:43
1	Tl 190.801†	7.0	-1.5	-0.0067 mg/L	-0.0067 mg/L	22:54:53
1	V 292.402†	-958.3	74.9	0.0024 mg/L	0.0024 mg/L	22:54:43
1	Zn 213.857†	1170.1	-51.8	-0.0037 mg/L	-0.0037 mg/L	22:54:53
2	B 249.677†	14.8	10.0	0.0130 mg/L	0.0130 mg/L	22:54:37
2	Fe 234.349†	-8.8	-12.0	-0.0181 mg/L	-0.0181 mg/L	22:54:37
2	K 766.490†	913.1	502.7	0.4195 mg/L	0.4195 mg/L	22:54:27
2	Li 670.784†	-164.3	43.8	0.0036 mg/L	0.0036 mg/L	22:54:27
2	Na 589.592†	2946.3	2905.5	0.7235 mg/L	0.7235 mg/L	22:54:27
2	Sr 407.771†	116.8	-5.2	0.0000 mg/L	0.0000 mg/L	22:54:27
2	Y 371.029	3525733.5	3525733.5	1.13 mg/L		22:54:55
2	Ag 328.068†	2076.0	-197.6	-0.0015 mg/L	-0.0015 mg/L	22:54:57
2	Al 237.313†	-221.4	-49.1	-0.0215 mg/L	-0.0215 mg/L	22:54:57
2	As 188.979†	7.4	-1.3	0.0008 mg/L	0.0008 mg/L	22:55:08
2	B 182.528†	0.8	7.4	0.0103 mg/L	0.0103 mg/L	22:55:08
2	Ba 233.527†	-54.4	18.3	-0.0014 mg/L	-0.0014 mg/L	22:55:08
2	Be 313.107†	-901.9	105.1	0.0001 mg/L	0.0001 mg/L	22:54:57
2	Ca 315.887†	1007.5	-642.3	-0.0182 mg/L	-0.0182 mg/L	22:54:57
2	Cd 228.802†	99.8	-4.5	-0.0002 mg/L	-0.0002 mg/L	22:55:08
2	Co 228.616†	-33.5	4.8	-0.0044 mg/L	-0.0044 mg/L	22:55:08
2	Cr 267.716†	698.1	-16.7	-0.0007 mg/L	-0.0007 mg/L	22:54:57
2	Cu 324.752†	1995.4	1.4	-0.0020 mg/L	-0.0020 mg/L	22:54:57
2	Fe 238.204†	570.9	-359.8	-0.0115 mg/L	-0.0115 mg/L	22:55:08
2	Mg 279.077†	294.6	-65.0	-0.0312 mg/L	-0.0312 mg/L	22:54:57
2	Mn 257.610†	640.2	11.2	-0.0021 mg/L	-0.0021 mg/L	22:54:57
2	Mo 202.031†	6.4	17.4	0.0010 mg/L	0.0010 mg/L	22:55:08
2	Ni 231.604†	42.9	28.3	-0.0021 mg/L	-0.0021 mg/L	22:54:57
2	P 214.914†	273.2	-21.9	0.0067 mg/L	0.0067 mg/L	22:55:08
2	Pb 220.353†	-42.3	-51.3	-0.0057 mg/L	-0.0057 mg/L	22:55:08
2	Sb 206.836†	37.4	-2.5	-0.0029 mg/L	-0.0029 mg/L	22:55:08
2	Se 196.026†	5.8	7.1	0.0065 mg/L	0.0065 mg/L	22:55:08
2	Sn 189.927†	2.7	5.1	-0.0016 mg/L	-0.0016 mg/L	22:55:08
2	Ti 337.279†	-1175.9	54.9	0.0012 mg/L	0.0012 mg/L	22:54:57
2	Tl 190.801†	5.3	-3.0	-0.0076 mg/L	-0.0076 mg/L	22:55:08

2	V 292.402†	-904.3	120.8	0.0026 mg/L	0.0026 mg/L	22:54:57
2	Zn 213.857†	1140.0	-76.1	-0.0039 mg/L	-0.0039 mg/L	22:55:08

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3529793.1	1.13 mg/L		0.002				0.16%
Ag 328.068†	-269.8	-0.0019 mg/L		0.00063	-0.0019 mg/L		0.00063	32.61%
	QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 237.313†	-91.9	-0.0256 mg/L		0.00582	-0.0256 mg/L		0.00582	22.76%
	QC value within limits for Al 237.313 Recovery = Not calculated							
As 188.979†	-1.1	0.0010 mg/L		0.00025	0.0010 mg/L		0.00025	24.81%
	QC value within limits for As 188.979 Recovery = Not calculated							
B 182.528†	5.1	0.0077 mg/L		0.00371	0.0077 mg/L		0.00371	48.27%
	QC value within limits for B 182.528 Recovery = Not calculated							
B 249.677†	8.4	0.0110 mg/L		0.00272	0.0110 mg/L		0.00272	24.65%
	QC value greater than the upper limit for B 249.677 Recovery = Not calculated							
Ba 233.527†	11.3	-0.0015 mg/L		0.00009	-0.0015 mg/L		0.00009	6.10%
	QC value within limits for Ba 233.527 Recovery = Not calculated							
Be 313.107†	128.6	0.0001 mg/L		0.00002	0.0001 mg/L		0.00002	11.66%
	QC value within limits for Be 313.107 Recovery = Not calculated							
Ca 315.887†	-587.8	-0.0178 mg/L		0.00055	-0.0178 mg/L		0.00055	3.08%
	QC value within limits for Ca 315.887 Recovery = Not calculated							
Cd 228.802†	-6.4	-0.0002 mg/L		0.00007	-0.0002 mg/L		0.00007	32.90%
	QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	8.7	-0.0044 mg/L		0.00010	-0.0044 mg/L		0.00010	2.23%
	QC value less than the lower limit for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-45.2	-0.0009 mg/L		0.00032	-0.0009 mg/L		0.00032	35.95%
	QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 324.752†	6.8	-0.0020 mg/L		0.00003	-0.0020 mg/L		0.00003	1.73%
	QC value within limits for Cu 324.752 Recovery = Not calculated							
Fe 234.349†	-8.0	-0.0118 mg/L		0.00896	-0.0118 mg/L		0.00896	76.01%
	QC value within limits for Fe 234.349 Recovery = Not calculated							
Fe 238.204†	-368.1	-0.0115 mg/L		0.00008	-0.0115 mg/L		0.00008	0.65%
	QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	508.7	0.4240 mg/L		0.00633	0.4240 mg/L		0.00633	1.49%
	QC value greater than the upper limit for K 766.490 Recovery = Not calculated							
Li 670.784†	57.9	0.0045 mg/L		0.00115	0.0045 mg/L		0.00115	25.71%
	QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.077†	-81.3	-0.0322 mg/L		0.00136	-0.0322 mg/L		0.00136	4.24%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	-54.8	-0.0022 mg/L		0.00011	-0.0022 mg/L		0.00011	4.87%
	QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	19.6	0.0011 mg/L		0.00012	0.0011 mg/L		0.00012	10.40%
	QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	2929.4	0.7301 mg/L		0.00936	0.7301 mg/L		0.00936	1.28%
	QC value greater than the upper limit for Na 589.592 Recovery = Not calculated							
Ni 231.604†	25.3	-0.0022 mg/L		0.00009	-0.0022 mg/L		0.00009	4.25%
	QC value less than the lower limit for Ni 231.604 Recovery = Not calculated							
P 214.914†	-29.5	0.0036 mg/L		0.00434	0.0036 mg/L		0.00434	120.14%
	QC value within limits for P 214.914 Recovery = Not calculated							
Pb 220.353†	-24.1	-0.0041 mg/L		0.00230	-0.0041 mg/L		0.00230	56.55%
	QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-3.6	-0.0035 mg/L		0.00089	-0.0035 mg/L		0.00089	25.38%
	QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	9.1	0.0078 mg/L		0.00175	0.0078 mg/L		0.00175	22.52%
	QC value within limits for Se 196.026 Recovery = Not calculated							
Sn 189.927†	2.7	-0.0019 mg/L		0.00041	-0.0019 mg/L		0.00041	21.74%
	QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	-0.9	0.0000 mg/L		0.00001	0.0000 mg/L		0.00001	243.92%
	QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 337.279†	98.4	0.0013 mg/L		0.00007	0.0013 mg/L		0.00007	5.67%
	QC value greater than the upper limit for Ti 337.279 Recovery = Not calculated							
Tl 190.801†	-2.3	-0.0071 mg/L		0.00058	-0.0071 mg/L		0.00058	8.07%
	QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.402†	97.8	0.0025 mg/L		0.00015	0.0025 mg/L		0.00015	6.05%
	QC value greater than the upper limit for V 292.402 Recovery = Not calculated							
Zn 213.857†	-64.0	-0.0038 mg/L		0.00012	-0.0038 mg/L		0.00012	3.05%
	QC value within limits for Zn 213.857 Recovery = Not calculated							
QC Failed. Continue with analysis.								

Sequence No.: 87
 Sample ID: 1210235-02
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 78
 Date Collected: 10/11/2012 10:56:45 PM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: 1210235-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	53.9	48.4	0.0581 mg/L	0.0581 mg/L	0.0581 mg/L	22:58:36
1	Fe 234.349†	107.7	98.7	0.1266 mg/L	0.1266 mg/L	0.1266 mg/L	22:58:36
1	K 766.490†	11307.0	10503.2	7.873 mg/L	7.873 mg/L	7.873 mg/L	22:58:26
1	Li 670.784†	-89.0	104.5	0.0071 mg/L	0.0071 mg/L	0.0071 mg/L	22:58:26
1	Na 589.592†	355493.6	340173.4	93.80 mg/L	93.80 mg/L	93.80 mg/L	22:58:26
1	Sr 407.771†	136621.0	130512.2	0.2232 mg/L	0.2232 mg/L	0.2232 mg/L	22:58:26
1	Y 371.029	3270940.5	3270940.5	1.05 mg/L	1.05 mg/L	1.05 mg/L	22:58:52
1	Ag 328.068†	1911.3	-211.6	-0.0016 mg/L	-0.0016 mg/L	-0.0016 mg/L	22:58:54
1	Al 237.313†	416.6	545.5	0.0358 mg/L	0.0358 mg/L	0.0358 mg/L	22:59:05
1	As 188.979†	-1.3	-9.1	-0.0052 mg/L	-0.0052 mg/L	-0.0052 mg/L	22:59:05
1	B 182.528†	28.0	33.4	0.0403 mg/L	0.0403 mg/L	0.0403 mg/L	22:59:05
1	Ba 233.527†	6501.8	6282.8	0.0552 mg/L	0.0552 mg/L	0.0552 mg/L	22:59:05
1	Be 313.107†	-988.3	-39.8	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	22:58:54
1	Ca 315.887†	4936047.7	4717735.1	33.55 mg/L	33.55 mg/L	33.55 mg/L	22:58:52
1	Cd 228.802†	108.7	10.9	0.0003 mg/L	0.0003 mg/L	0.0003 mg/L	22:59:05
1	Co 228.616†	-3.5	31.2	-0.0040 mg/L	-0.0040 mg/L	-0.0040 mg/L	22:59:05
1	Cr 267.716†	1026.2	345.2	0.0022 mg/L	0.0022 mg/L	0.0022 mg/L	22:58:54
1	Cu 324.752†	3650.9	1722.1	0.0056 mg/L	0.0056 mg/L	0.0056 mg/L	22:58:54
1	Fe 238.204†	18340.2	16668.6	0.0971 mg/L	0.0971 mg/L	0.0971 mg/L	22:58:54
1	Mg 279.077†	94509.5	90032.6	5.291 mg/L	5.291 mg/L	5.291 mg/L	22:58:54
1	Mn 257.610†	15570.8	14330.3	0.0145 mg/L	0.0145 mg/L	0.0145 mg/L	22:58:54
1	Mo 202.031†	142.3	147.8	0.0060 mg/L	0.0060 mg/L	0.0060 mg/L	22:59:05
1	Ni 231.604†	94.2	80.3	-0.0010 mg/L	-0.0010 mg/L	-0.0010 mg/L	22:59:05
1	P 214.914†	515.6	228.7	0.1084 mg/L	0.1084 mg/L	0.1084 mg/L	22:59:05
1	Pb 220.353†	-17.1	-30.1	-0.0045 mg/L	-0.0045 mg/L	-0.0045 mg/L	22:59:05
1	Sb 206.836†	46.5	8.7	0.0034 mg/L	0.0034 mg/L	0.0034 mg/L	22:59:05
1	Se 196.026†	-6.7	-4.4	-0.0007 mg/L	-0.0007 mg/L	-0.0007 mg/L	22:59:05
1	Sn 189.927†	-319.8	-303.1	-0.0416 mg/L	-0.0416 mg/L	-0.0416 mg/L	22:59:05
1	Ti 337.279†	899.7	1958.1	0.0035 mg/L	0.0035 mg/L	0.0035 mg/L	22:58:54
1	Tl 190.801†	24.6	15.8	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	22:59:05
1	V 292.402†	-774.0	182.9	0.0029 mg/L	0.0029 mg/L	0.0029 mg/L	22:58:54
1	Zn 213.857†	8907.9	7429.4	0.0468 mg/L	0.0468 mg/L	0.0468 mg/L	22:59:05
2	B 249.677†	51.0	45.5	0.0546 mg/L	0.0546 mg/L	0.0546 mg/L	22:58:48
2	Fe 234.349†	112.6	103.0	0.1334 mg/L	0.1334 mg/L	0.1334 mg/L	22:58:48
2	K 766.490†	11067.9	10237.4	7.675 mg/L	7.675 mg/L	7.675 mg/L	22:58:38
2	Li 670.784†	-130.6	65.2	0.0049 mg/L	0.0049 mg/L	0.0049 mg/L	22:58:38
2	Na 589.592†	348160.1	331991.2	91.54 mg/L	91.54 mg/L	91.54 mg/L	22:58:38
2	Sr 407.771†	132941.3	126547.0	0.2164 mg/L	0.2164 mg/L	0.2164 mg/L	22:58:38
2	Y 371.029	3282486.7	3282486.7	1.05 mg/L	1.05 mg/L	1.05 mg/L	22:59:07
2	Ag 328.068†	1962.4	-169.4	-0.0013 mg/L	-0.0013 mg/L	-0.0013 mg/L	22:59:09
2	Al 237.313†	403.6	531.7	0.0345 mg/L	0.0345 mg/L	0.0345 mg/L	22:59:20
2	As 188.979†	-1.6	-9.4	-0.0054 mg/L	-0.0054 mg/L	-0.0054 mg/L	22:59:20
2	B 182.528†	31.6	36.8	0.0441 mg/L	0.0441 mg/L	0.0441 mg/L	22:59:20
2	Ba 233.527†	6517.0	6275.4	0.0551 mg/L	0.0551 mg/L	0.0551 mg/L	22:59:20
2	Be 313.107†	-1042.0	-87.6	0.0000 mg/L	0.0000 mg/L	0.0000 mg/L	22:59:09
2	Ca 315.887†	4958509.0	4722534.4	33.58 mg/L	33.58 mg/L	33.58 mg/L	22:59:07
2	Cd 228.802†	113.3	15.0	0.0004 mg/L	0.0004 mg/L	0.0004 mg/L	22:59:20
2	Co 228.616†	-13.5	21.6	-0.0041 mg/L	-0.0041 mg/L	-0.0041 mg/L	22:59:20
2	Cr 267.716†	1022.6	338.3	0.0022 mg/L	0.0022 mg/L	0.0022 mg/L	22:59:09
2	Cu 324.752†	3646.6	1705.8	0.0056 mg/L	0.0056 mg/L	0.0056 mg/L	22:59:09
2	Fe 238.204†	18086.1	16364.8	0.0951 mg/L	0.0951 mg/L	0.0951 mg/L	22:59:09
2	Mg 279.077†	93239.0	88504.4	5.201 mg/L	5.201 mg/L	5.201 mg/L	22:59:09
2	Mn 257.610†	15417.6	14132.0	0.0142 mg/L	0.0142 mg/L	0.0142 mg/L	22:59:09
2	Mo 202.031†	159.9	164.1	0.0066 mg/L	0.0066 mg/L	0.0066 mg/L	22:59:20
2	Ni 231.604†	90.3	76.3	-0.0011 mg/L	-0.0011 mg/L	-0.0011 mg/L	22:59:20
2	P 214.914†	474.8	188.2	0.0920 mg/L	0.0920 mg/L	0.0920 mg/L	22:59:20
2	Pb 220.353†	-20.4	-33.2	-0.0047 mg/L	-0.0047 mg/L	-0.0047 mg/L	22:59:20
2	Sb 206.836†	47.7	9.7	0.0040 mg/L	0.0040 mg/L	0.0040 mg/L	22:59:20
2	Se 196.026†	-7.7	-5.4	-0.0013 mg/L	-0.0013 mg/L	-0.0013 mg/L	22:59:20
2	Sn 189.927†	-319.5	-301.7	-0.0414 mg/L	-0.0414 mg/L	-0.0414 mg/L	22:59:20
2	Ti 337.279†	849.8	1907.5	0.0035 mg/L	0.0035 mg/L	0.0035 mg/L	22:59:09
2	Tl 190.801†	18.0	9.4	-0.0008 mg/L	-0.0008 mg/L	-0.0008 mg/L	22:59:20
2	V 292.402†	-713.3	243.3	0.0032 mg/L	0.0032 mg/L	0.0032 mg/L	22:59:09

 Mean Data: 1210235-02

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3276713.6	1.05	mg/L	0.003				0.25%
Ag 328.068†	-190.5	-0.0014	mg/L	0.00019	-0.0014	mg/L	0.00019	12.94%
Al 237.313†	538.6	0.0351	mg/L	0.00094	0.0351	mg/L	0.00094	2.67%
As 188.979†	-9.2	-0.0053	mg/L	0.00017	-0.0053	mg/L	0.00017	3.19%
B 182.528†	35.1	0.0422	mg/L	0.00271	0.0422	mg/L	0.00271	6.43%
B 249.677†	47.0	0.0564	mg/L	0.00243	0.0564	mg/L	0.00243	4.31%
Ba 233.527†	6279.1	0.0551	mg/L	0.00005	0.0551	mg/L	0.00005	0.09%
Be 313.107†	-63.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	36.35%
Ca 315.887†	4720134.8	33.56	mg/L	0.024	33.56	mg/L	0.024	0.07%
Cd 228.802†	13.0	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	23.92%
Co 228.616†	26.4	-0.0040	mg/L	0.00012	-0.0040	mg/L	0.00012	2.91%
Cr 267.716†	341.7	0.0022	mg/L	0.00004	0.0022	mg/L	0.00004	1.73%
Cu 324.752†	1713.9	0.0056	mg/L	0.00005	0.0056	mg/L	0.00005	0.91%
Fe 234.349†	100.9	0.1300	mg/L	0.00478	0.1300	mg/L	0.00478	3.68%
Fe 238.204†	16516.7	0.0961	mg/L	0.00137	0.0961	mg/L	0.00137	1.42%
K 766.490†	10370.3	7.774	mg/L	0.1401	7.774	mg/L	0.1401	1.80%
Li 670.784†	84.8	0.0060	mg/L	0.00160	0.0060	mg/L	0.00160	26.58%
Mg 279.077†	89268.5	5.246	mg/L	0.0638	5.246	mg/L	0.0638	1.22%
Mn 257.610†	14231.2	0.0144	mg/L	0.00016	0.0144	mg/L	0.00016	1.13%
Mo 202.031†	155.9	0.0063	mg/L	0.00044	0.0063	mg/L	0.00044	7.01%
Na 589.592†	336082.3	92.67	mg/L	1.597	92.67	mg/L	1.597	1.72%
Ni 231.604†	78.3	-0.0010	mg/L	0.00006	-0.0010	mg/L	0.00006	5.71%
P 214.914†	208.4	0.1002	mg/L	0.01159	0.1002	mg/L	0.01159	11.57%
Pb 220.353†	-31.6	-0.0046	mg/L	0.00013	-0.0046	mg/L	0.00013	2.77%
Sb 206.836†	9.2	0.0037	mg/L	0.00040	0.0037	mg/L	0.00040	10.90%
Se 196.026†	-4.9	-0.0010	mg/L	0.00043	-0.0010	mg/L	0.00043	42.49%
Sn 189.927†	-302.4	-0.0415	mg/L	0.00014	-0.0415	mg/L	0.00014	0.34%
Sr 407.771†	128529.6	0.2198	mg/L	0.00480	0.2198	mg/L	0.00480	2.18%
Ti 337.279†	1932.8	0.0035	mg/L	0.00004	0.0035	mg/L	0.00004	1.22%
Tl 190.801†	12.6	0.0010	mg/L	0.00250	0.0010	mg/L	0.00250	256.26%
V 292.402†	213.1	0.0031	mg/L	0.00020	0.0031	mg/L	0.00020	6.47%
Zn 213.857†	7395.4	0.0466	mg/L	0.00032	0.0466	mg/L	0.00032	0.70%

Sequence No.: 88

Sample ID: 1210235-03

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 79

Date Collected: 10/11/2012 11:00:57 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

 Replicate Data: 1210235-03

Repl#	Analyte	Net	Corrected	Calib. Units	Sample Conc.	Sample Units	Analysis Time
		Intensity	Intensity				
1	B 249.677†	52.6	46.9	0.0563	mg/L	0.0563	23:02:50
1	Fe 234.349†	83.1	74.8	0.0928	mg/L	0.0928	23:02:50
1	K 766.490†	9193.6	8435.9	6.332	mg/L	6.332	23:02:40
1	Li 670.784†	-66.1	126.7	0.0084	mg/L	0.0084	23:02:40
1	Na 589.592†	224986.7	214254.9	59.05	mg/L	59.05	23:02:40
1	Sr 407.771†	98742.9	93796.0	0.1604	mg/L	0.1604	23:02:40
1	Y 371.029	3288414.8	3288414.8	1.05	mg/L		23:03:06
1	Ag 328.068†	1929.6	-204.0	-0.0015	mg/L	-0.0015	23:03:08
1	Al 237.313†	1284.5	1368.8	0.1151	mg/L	0.1151	23:03:19
1	As 188.979†	-4.9	-12.5	-0.0079	mg/L	-0.0079	23:03:19
1	B 182.528†	35.6	40.5	0.0485	mg/L	0.0485	23:03:19
1	Ba 233.527†	4730.8	4565.5	0.0397	mg/L	0.0397	23:03:19
1	Be 313.107†	-1040.1	-84.0	0.0000	mg/L	0.0000	23:03:08
1	Ca 315.887†	4316500.8	4103466.8	29.18	mg/L	29.18	23:03:06
1	Cd 228.802†	109.7	11.3	0.0003	mg/L	0.0003	23:03:19
1	Co 228.616†	-42.0	-5.5	-0.0046	mg/L	-0.0046	23:03:19
1	Cr 267.716†	902.3	222.2	0.0013	mg/L	0.0013	23:03:08
1	Cu 324.752†	3563.1	1620.0	0.0052	mg/L	0.0052	23:03:08
1	Fe 238.204†	13174.1	11662.5	0.0652	mg/L	0.0652	23:03:08
1	Mg 279.077†	72369.4	68497.2	4.019	mg/L	4.019	23:03:08
1	Mn 257.610†	4443.3	3669.0	0.0021	mg/L	0.0021	23:03:19
1	Mo 202.031†	132.5	137.8	0.0056	mg/L	0.0056	23:03:19
1	Ni 231.604†	192.9	173.7	0.0010	mg/L	0.0010	23:03:19

1	P 214.914†	612.2	317.9	0.1444	mg/L	0.1444	mg/L	23:03:19
1	Pb 220.353†	-36.0	-48.0	-0.0058	mg/L	-0.0058	mg/L	23:03:19
1	Sb 206.836†	49.7	11.5	0.0050	mg/L	0.0050	mg/L	23:03:19
1	Se 196.026†	-6.2	-4.0	-0.0004	mg/L	-0.0004	mg/L	23:03:19
1	Sn 189.927†	-164.6	-153.9	-0.0221	mg/L	-0.0221	mg/L	23:03:19
1	Ti 337.279†	-858.6	281.4	0.0015	mg/L	0.0015	mg/L	23:03:08
1	Tl 190.801†	14.6	6.1	-0.0026	mg/L	-0.0026	mg/L	23:03:19
1	V 292.402†	-730.2	228.4	0.0031	mg/L	0.0031	mg/L	23:03:08
1	Zn 213.857†	42633.6	39457.3	0.2634	mg/L	0.2634	mg/L	23:03:08
2	B 249.677†	54.1	48.1	0.0577	mg/L	0.0577	mg/L	23:03:02
2	Fe 234.349†	93.7	84.4	0.1079	mg/L	0.1079	mg/L	23:03:02
2	K 766.490†	9101.3	8301.5	6.232	mg/L	6.232	mg/L	23:02:52
2	Li 670.784†	-78.5	115.3	0.0078	mg/L	0.0078	mg/L	23:02:52
2	Na 589.592†	222054.3	210327.7	57.96	mg/L	57.96	mg/L	23:02:52
2	Sr 407.771†	97364.2	91985.6	0.1573	mg/L	0.1573	mg/L	23:02:52
2	Y 371.029	3306241.1	3306241.1	1.06	mg/L			23:03:21
2	Ag 328.068†	1812.6	-324.5	-0.0023	mg/L	-0.0023	mg/L	23:03:23
2	Al 237.313†	1287.1	1364.7	0.1147	mg/L	0.1147	mg/L	23:03:34
2	As 188.979†	0.6	-7.3	-0.0038	mg/L	-0.0038	mg/L	23:03:34
2	B 182.528†	35.2	40.0	0.0479	mg/L	0.0479	mg/L	23:03:34
2	Ba 233.527†	4758.4	4567.4	0.0397	mg/L	0.0397	mg/L	23:03:34
2	Be 313.107†	-961.7	-4.6	0.0001	mg/L	0.0001	mg/L	23:03:23
2	Ca 315.887†	4341258.6	4104751.8	29.19	mg/L	29.19	mg/L	23:03:21
2	Cd 228.802†	106.7	7.9	0.0002	mg/L	0.0002	mg/L	23:03:34
2	Co 228.616†	-46.5	-9.5	-0.0047	mg/L	-0.0047	mg/L	23:03:34
2	Cr 267.716†	938.9	252.2	0.0015	mg/L	0.0015	mg/L	23:03:23
2	Cu 324.752†	3620.6	1656.2	0.0053	mg/L	0.0053	mg/L	23:03:23
2	Fe 238.204†	13253.4	11669.9	0.0652	mg/L	0.0652	mg/L	23:03:23
2	Mg 279.077†	72895.4	68623.6	4.026	mg/L	4.026	mg/L	23:03:23
2	Mn 257.610†	4470.7	3672.0	0.0021	mg/L	0.0021	mg/L	23:03:34
2	Mo 202.031†	122.1	127.2	0.0052	mg/L	0.0052	mg/L	23:03:34
2	Ni 231.604†	176.9	157.6	0.0006	mg/L	0.0006	mg/L	23:03:34
2	P 214.914†	607.4	310.3	0.1414	mg/L	0.1414	mg/L	23:03:34
2	Pb 220.353†	-45.9	-57.2	-0.0064	mg/L	-0.0064	mg/L	23:03:34
2	Sb 206.836†	51.5	13.0	0.0059	mg/L	0.0059	mg/L	23:03:34
2	Se 196.026†	-9.7	-7.2	-0.0025	mg/L	-0.0025	mg/L	23:03:34
2	Sn 189.927†	-160.5	-149.1	-0.0214	mg/L	-0.0214	mg/L	23:03:34
2	Ti 337.279†	-691.8	443.5	0.0017	mg/L	0.0017	mg/L	23:03:23
2	Tl 190.801†	21.4	12.6	0.0010	mg/L	0.0010	mg/L	23:03:34
2	V 292.402†	-666.1	292.9	0.0034	mg/L	0.0034	mg/L	23:03:23
2	Zn 213.857†	42894.0	39485.1	0.2636	mg/L	0.2636	mg/L	23:03:23

Mean Data: 1210235-03

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3297327.9	1.05	mg/L	0.004				0.38%
Ag 328.068†	-264.2	-0.0019	mg/L	0.00053	-0.0019	mg/L	0.00053	27.87%
Al 237.313†	1366.7	0.1149	mg/L	0.00028	0.1149	mg/L	0.00028	0.24%
As 188.979†	-9.9	-0.0059	mg/L	0.00288	-0.0059	mg/L	0.00288	49.10%
B 182.528†	40.3	0.0482	mg/L	0.00043	0.0482	mg/L	0.00043	0.89%
B 249.677†	47.5	0.0570	mg/L	0.00096	0.0570	mg/L	0.00096	1.68%
Ba 233.527†	4566.5	0.0397	mg/L	0.00001	0.0397	mg/L	0.00001	0.03%
Be 313.107†	-44.3	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	50.08%
Ca 315.887†	4104109.3	29.18	mg/L	0.006	29.18	mg/L	0.006	0.02%
Cd 228.802†	9.6	0.0002	mg/L	0.00008	0.0002	mg/L	0.00008	32.54%
Co 228.616†	-7.5	-0.0046	mg/L	0.00005	-0.0046	mg/L	0.00005	1.08%
Cr 267.716†	237.2	0.0014	mg/L	0.00017	0.0014	mg/L	0.00017	12.38%
Cu 324.752†	1638.1	0.0053	mg/L	0.00011	0.0053	mg/L	0.00011	2.15%
Fe 234.349†	79.6	0.1003	mg/L	0.01065	0.1003	mg/L	0.01065	10.62%
Fe 238.204†	11666.2	0.0652	mg/L	0.00003	0.0652	mg/L	0.00003	0.05%
K 766.490†	8368.7	6.282	mg/L	0.0709	6.282	mg/L	0.0709	1.13%
Li 670.784†	121.0	0.0081	mg/L	0.00046	0.0081	mg/L	0.00046	5.71%
Mg 279.077†	68560.4	4.023	mg/L	0.0053	4.023	mg/L	0.0053	0.13%
Mn 257.610†	3670.5	0.0021	mg/L	0.00000	0.0021	mg/L	0.00000	0.12%
Mo 202.031†	132.5	0.0054	mg/L	0.00029	0.0054	mg/L	0.00029	5.35%
Na 589.592†	212291.3	58.51	mg/L	0.766	58.51	mg/L	0.766	1.31%
Ni 231.604†	165.7	0.0008	mg/L	0.00024	0.0008	mg/L	0.00024	29.92%
P 214.914†	314.1	0.1429	mg/L	0.00216	0.1429	mg/L	0.00216	1.51%
Pb 220.353†	-52.6	-0.0061	mg/L	0.00039	-0.0061	mg/L	0.00039	6.33%
Sb 206.836†	12.3	0.0054	mg/L	0.00060	0.0054	mg/L	0.00060	10.99%
Se 196.026†	-5.6	-0.0014	mg/L	0.00146	-0.0014	mg/L	0.00146	100.85%
Sn 189.927†	-151.5	-0.0218	mg/L	0.00047	-0.0218	mg/L	0.00047	2.17%

Sr 407.771†	92890.8	0.1589 mg/L	0.00219	0.1589 mg/L	0.00219	1.38%
Ti 337.279†	362.4	0.0016 mg/L	0.00014	0.0016 mg/L	0.00014	8.50%
Tl 190.801†	9.3	-0.0008 mg/L	0.00251	-0.0008 mg/L	0.00251	310.87%
V 292.402†	260.6	0.0033 mg/L	0.00021	0.0033 mg/L	0.00021	6.28%
Zn 213.857†	39471.2	0.2635 mg/L	0.00013	0.2635 mg/L	0.00013	0.05%

Sequence No.: 89
Sample ID: 1210235-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 10/11/2012 11:05:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210235-04

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	54.0	47.3	0.0567 mg/L	0.0567 mg/L	0.0567 mg/L	23:07:01
1	Fe 234.349†	382.8	353.1	0.5288 mg/L	0.5288 mg/L	0.5288 mg/L	23:07:01
1	K 766.490†	10540.5	9531.8	7.149 mg/L	7.149 mg/L	7.149 mg/L	23:06:51
1	Li 670.784†	-186.2	15.7	0.0020 mg/L	0.0020 mg/L	0.0020 mg/L	23:06:51
1	Na 589.592†	200508.0	187455.0	51.65 mg/L	51.65 mg/L	51.65 mg/L	23:06:51
1	Sr 407.771†	101033.4	94200.1	0.1611 mg/L	0.1611 mg/L	0.1611 mg/L	23:06:51
1	Y 371.029	3350273.2	3350273.2	1.07 mg/L	1.07 mg/L	1.07 mg/L	23:07:18
1	Ag 328.068†	1792.1	-366.2	-0.0025 mg/L	-0.0025 mg/L	-0.0025 mg/L	23:07:20
1	Al 237.313†	254.9	385.2	0.0204 mg/L	0.0204 mg/L	0.0204 mg/L	23:07:30
1	As 188.979†	-4.9	-12.4	-0.0076 mg/L	-0.0076 mg/L	-0.0076 mg/L	23:07:30
1	B 182.528†	34.6	38.9	0.0466 mg/L	0.0466 mg/L	0.0466 mg/L	23:07:30
1	Ba 233.527†	7322.7	6901.9	0.0608 mg/L	0.0608 mg/L	0.0608 mg/L	23:07:30
1	Be 313.107†	-988.4	-17.5	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	23:07:20
1	Ca 315.887†	4944380.1	4613763.1	32.81 mg/L	32.81 mg/L	32.81 mg/L	23:07:18
1	Cd 228.802†	139.1	36.8	0.0010 mg/L	0.0010 mg/L	0.0010 mg/L	23:07:30
1	Co 228.616†	133.1	158.7	-0.0017 mg/L	-0.0017 mg/L	-0.0017 mg/L	23:07:30
1	Cr 267.716†	830.2	139.0	0.0006 mg/L	0.0006 mg/L	0.0006 mg/L	23:07:20
1	Cu 324.752†	2933.5	969.8	0.0023 mg/L	0.0023 mg/L	0.0023 mg/L	23:07:20
1	Fe 238.204†	86683.6	80048.1	0.5011 mg/L	0.5011 mg/L	0.5011 mg/L	23:07:20
1	Mg 279.077†	105118.7	97796.0	5.750 mg/L	5.750 mg/L	5.750 mg/L	23:07:20
1	Mn 257.610†	263796.8	245682.8	0.2830 mg/L	0.2830 mg/L	0.2830 mg/L	23:07:20
1	Mo 202.031†	176.8	176.8	0.0070 mg/L	0.0070 mg/L	0.0070 mg/L	23:07:30
1	Ni 231.604†	178.7	157.1	0.0006 mg/L	0.0006 mg/L	0.0006 mg/L	23:07:30
1	P 214.914†	662.5	354.2	0.1602 mg/L	0.1602 mg/L	0.1602 mg/L	23:07:30
1	Pb 220.353†	-39.5	-50.7	-0.0057 mg/L	-0.0057 mg/L	-0.0057 mg/L	23:07:30
1	Sb 206.836†	38.7	0.5	-0.0014 mg/L	-0.0014 mg/L	-0.0014 mg/L	23:07:30
1	Se 196.026†	-7.7	-5.3	-0.0011 mg/L	-0.0011 mg/L	-0.0011 mg/L	23:07:30
1	Sn 189.927†	-345.5	-319.8	-0.0426 mg/L	-0.0426 mg/L	-0.0426 mg/L	23:07:30
1	Ti 337.279†	151.8	1239.6	0.0027 mg/L	0.0027 mg/L	0.0027 mg/L	23:07:20
1	Tl 190.801†	23.5	14.2	0.0016 mg/L	0.0016 mg/L	0.0016 mg/L	23:07:30
1	V 292.402†	-655.2	311.2	0.0034 mg/L	0.0034 mg/L	0.0034 mg/L	23:07:20
1	Zn 213.857†	7918.3	6304.0	0.0392 mg/L	0.0392 mg/L	0.0392 mg/L	23:07:30
2	B 249.677†	48.3	41.6	0.0501 mg/L	0.0501 mg/L	0.0501 mg/L	23:07:14
2	Fe 234.349†	395.8	362.4	0.5434 mg/L	0.5434 mg/L	0.5434 mg/L	23:07:14
2	K 766.490†	10724.2	9626.0	7.219 mg/L	7.219 mg/L	7.219 mg/L	23:07:04
2	Li 670.784†	-160.4	41.0	0.0035 mg/L	0.0035 mg/L	0.0035 mg/L	23:07:04
2	Na 589.592†	203269.0	188569.2	51.96 mg/L	51.96 mg/L	51.96 mg/L	23:07:04
2	Sr 407.771†	102578.7	94904.3	0.1623 mg/L	0.1623 mg/L	0.1623 mg/L	23:07:04
2	Y 371.029	3376306.0	3376306.0	1.08 mg/L	1.08 mg/L	1.08 mg/L	23:07:33
2	Ag 328.068†	1824.8	-348.8	-0.0024 mg/L	-0.0024 mg/L	-0.0024 mg/L	23:07:35
2	Al 237.313†	213.0	344.5	0.0165 mg/L	0.0165 mg/L	0.0165 mg/L	23:07:45
2	As 188.979†	-6.5	-13.8	-0.0087 mg/L	-0.0087 mg/L	-0.0087 mg/L	23:07:45
2	B 182.528†	24.1	29.0	0.0351 mg/L	0.0351 mg/L	0.0351 mg/L	23:07:45
2	Ba 233.527†	7238.6	6771.3	0.0596 mg/L	0.0596 mg/L	0.0596 mg/L	23:07:45
2	Be 313.107†	-944.6	30.2	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	23:07:35
2	Ca 315.887†	4978737.1	4610000.3	32.78 mg/L	32.78 mg/L	32.78 mg/L	23:07:33
2	Cd 228.802†	130.2	27.5	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	23:07:45
2	Co 228.616†	126.2	151.3	-0.0019 mg/L	-0.0019 mg/L	-0.0019 mg/L	23:07:45
2	Cr 267.716†	849.1	150.6	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	23:07:35
2	Cu 324.752†	2952.1	965.9	0.0023 mg/L	0.0023 mg/L	0.0023 mg/L	23:07:35
2	Fe 238.204†	86220.6	78995.3	0.4944 mg/L	0.4944 mg/L	0.4944 mg/L	23:07:35
2	Mg 279.077†	104549.2	96512.0	5.675 mg/L	5.675 mg/L	5.675 mg/L	23:07:35
2	Mn 257.610†	262527.7	242608.7	0.2795 mg/L	0.2795 mg/L	0.2795 mg/L	23:07:35
2	Mo 202.031†	183.3	181.6	0.0072 mg/L	0.0072 mg/L	0.0072 mg/L	23:07:45
2	Ni 231.604†	186.2	162.7	0.0007 mg/L	0.0007 mg/L	0.0007 mg/L	23:07:45
2	P 214.914†	655.5	342.9	0.1556 mg/L	0.1556 mg/L	0.1556 mg/L	23:07:45

2	Pb 220.353†	-40.6	-51.4	-0.0058 mg/L	-0.0058 mg/L	23:07:45
2	Sb 206.836†	45.0	6.0	0.0017 mg/L	0.0017 mg/L	23:07:45
2	Se 196.026†	-6.7	-4.2	-0.0004 mg/L	-0.0004 mg/L	23:07:45
2	Sn 189.927†	-315.6	-289.7	-0.0386 mg/L	-0.0386 mg/L	23:07:45
2	Ti 337.279†	156.0	1242.4	0.0027 mg/L	0.0027 mg/L	23:07:35
2	Tl 190.801†	19.8	10.6	-0.0004 mg/L	-0.0004 mg/L	23:07:45
2	V 292.402†	-725.9	250.5	0.0032 mg/L	0.0032 mg/L	23:07:35
2	Zn 213.857†	7798.3	6135.9	0.0381 mg/L	0.0381 mg/L	23:07:45

Mean Data: 1210235-04

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3363289.6	1.08	mg/L	0.006			0.55%
Ag 328.068†	-357.5	-0.0024	mg/L	0.00008	-0.0024	0.00008	3.16%
Al 237.313†	364.8	0.0184	mg/L	0.00277	0.0184	0.00277	15.04%
As 188.979†	-13.1	-0.0082	mg/L	0.00078	-0.0082	0.00078	9.47%
B 182.528†	34.0	0.0409	mg/L	0.00812	0.0409	0.00812	19.87%
B 249.677†	44.4	0.0534	mg/L	0.00468	0.0534	0.00468	8.77%
Ba 233.527†	6836.6	0.0602	mg/L	0.00083	0.0602	0.00083	1.39%
Be 313.107†	6.3	0.0001	mg/L	0.00002	0.0001	0.00002	20.73%
Ca 315.887†	4611881.7	32.79	mg/L	0.019	32.79	0.019	0.06%
Cd 228.802†	32.2	0.0008	mg/L	0.00017	0.0008	0.00017	20.20%
Co 228.616†	155.0	-0.0018	mg/L	0.00009	-0.0018	0.00009	5.03%
Cr 267.716†	144.8	0.0006	mg/L	0.00007	0.0006	0.00007	10.35%
Cu 324.752†	967.9	0.0023	mg/L	0.00001	0.0023	0.00001	0.53%
Fe 234.349†	357.7	0.5361	mg/L	0.01033	0.5361	0.01033	1.93%
Fe 238.204†	79521.7	0.4978	mg/L	0.00475	0.4978	0.00475	0.95%
K 766.490†	9578.9	7.184	mg/L	0.0497	7.184	0.0497	0.69%
Li 670.784†	28.3	0.0028	mg/L	0.00103	0.0028	0.00103	37.16%
Mg 279.077†	97154.0	5.712	mg/L	0.0536	5.712	0.0536	0.94%
Mn 257.610†	244145.7	0.2812	mg/L	0.00252	0.2812	0.00252	0.90%
Mo 202.031†	179.2	0.0071	mg/L	0.00013	0.0071	0.00013	1.78%
Na 589.592†	188012.1	51.81	mg/L	0.217	51.81	0.217	0.42%
Ni 231.604†	159.9	0.0007	mg/L	0.00008	0.0007	0.00008	12.26%
P 214.914†	348.5	0.1579	mg/L	0.00321	0.1579	0.00321	2.03%
Pb 220.353†	-51.0	-0.0057	mg/L	0.00003	-0.0057	0.00003	0.49%
Sb 206.836†	3.2	0.0001	mg/L	0.00222	0.0001	0.00222	>999.9%
Se 196.026†	-4.8	-0.0007	mg/L	0.00047	-0.0007	0.00047	63.25%
Sn 189.927†	-304.7	-0.0406	mg/L	0.00283	-0.0406	0.00283	6.97%
Sr 407.771†	94552.2	0.1617	mg/L	0.00085	0.1617	0.00085	0.53%
Ti 337.279†	1241.0	0.0027	mg/L	0.00000	0.0027	0.00000	0.09%
Tl 190.801†	12.4	0.0006	mg/L	0.00141	0.0006	0.00141	219.83%
V 292.402†	280.9	0.0033	mg/L	0.00020	0.0033	0.00020	6.00%
Zn 213.857†	6219.9	0.0387	mg/L	0.00080	0.0387	0.00080	2.08%

Sequence No.: 90

Sample ID: 1210235-05

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 81

Date Collected: 10/11/2012 11:09:24 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 1210235-05

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	88.8	79.1	0.0941 mg/L	0.0941 mg/L	23:11:17
1	Fe 234.349†	17735.6	16432.1	25.91 mg/L	25.91 mg/L	23:11:07
1	K 766.490†	19300.4	17579.2	13.15 mg/L	13.15 mg/L	23:11:07
1	Li 670.784†	115.1	296.2	0.0182 mg/L	0.0182 mg/L	23:11:07
1	Na 589.592†	328386.6	304621.7	83.99 mg/L	83.99 mg/L	23:11:07
1	Sr 407.771†	101349.4	93815.9	0.1605 mg/L	0.1605 mg/L	23:11:07
1	Y 371.029	3374500.6	3374500.6	1.08 mg/L		23:11:34
1	Ag 328.068†	1786.9	-383.0	-0.0006 mg/L	-0.0006 mg/L	23:11:36
1	Al 237.313†	187816.0	174204.1	16.76 mg/L	16.76 mg/L	23:11:36
1	As 188.979†	12.7	3.9	0.0157 mg/L	0.0157 mg/L	23:11:47
1	B 182.528†	78.4	79.3	0.0932 mg/L	0.0932 mg/L	23:11:47
1	Ba 233.527†	27252.8	25322.8	0.2271 mg/L	0.2271 mg/L	23:11:36
1	Be 313.107†	713.0	1565.8	0.0008 mg/L	0.0008 mg/L	23:11:36
1	Ca 315.887†	4993931.1	4626548.5	32.90 mg/L	32.90 mg/L	23:11:34
1	Cd 228.802†	242.7	131.9	0.0034 mg/L	0.0034 mg/L	23:11:47
1	Co 228.616†	1834.6	1734.7	0.0242 mg/L	0.0242 mg/L	23:11:47

1	Cr 267.716†	8390.0	7139.4	0.0570	mg/L	0.0570	mg/L	23:11:36
1	Cu 324.752†	80849.1	73157.8	0.3221	mg/L	0.3221	mg/L	23:11:36
1	Fe 238.204†	4079881.8	3780130.5	24.09	mg/L	24.09	mg/L	23:11:34
1	Mg 279.077†	214364.3	198334.1	11.70	mg/L	11.70	mg/L	23:11:36
1	Mn 257.610†	3103203.1	2875311.1	3.335	mg/L	3.335	mg/L	23:11:34
1	Mo 202.031†	319.8	308.1	0.0040	mg/L	0.0040	mg/L	23:11:47
1	Ni 231.604†	1620.9	1492.5	0.0289	mg/L	0.0289	mg/L	23:11:47
1	P 214.914†	3430.2	2914.7	1.251	mg/L	1.251	mg/L	23:11:47
1	Pb 220.353†	1869.8	1719.0	0.0952	mg/L	0.0952	mg/L	23:11:47
1	Sb 206.836†	65.4	24.9	0.0011	mg/L	0.0011	mg/L	23:11:47
1	Se 196.026†	-6.3	-3.9	0.0106	mg/L	0.0106	mg/L	23:11:47
1	Sn 189.927†	-291.8	-267.7	0.0384	mg/L	0.0384	mg/L	23:11:47
1	Ti 337.279†	722048.0	670249.9	0.8033	mg/L	0.8033	mg/L	23:11:34
1	Tl 190.801†	21.1	11.9	-0.0154	mg/L	-0.0154	mg/L	23:11:47
1	V 292.402†	12370.3	12387.0	0.0537	mg/L	0.0537	mg/L	23:11:36
1	Zn 213.857†	23979.4	21135.4	0.1388	mg/L	0.1388	mg/L	23:11:36
2	B 249.677†	85.2	76.5	0.0910	mg/L	0.0910	mg/L	23:11:29
2	Fe 234.349†	17612.3	16461.8	25.95	mg/L	25.95	mg/L	23:11:19
2	K 766.490†	19061.9	17514.1	13.10	mg/L	13.10	mg/L	23:11:19
2	Li 670.784†	131.6	312.6	0.0191	mg/L	0.0191	mg/L	23:11:19
2	Na 589.592†	324377.1	303558.4	83.69	mg/L	83.69	mg/L	23:11:19
2	Sr 407.771†	100002.4	93385.3	0.1597	mg/L	0.1597	mg/L	23:11:19
2	Y 371.029	3344985.6	3344985.6	1.07	mg/L			23:11:50
2	Ag 328.068†	1747.4	-405.4	-0.0008	mg/L	-0.0008	mg/L	23:11:52
2	Al 237.313†	188087.4	175993.7	16.93	mg/L	16.93	mg/L	23:11:52
2	As 188.979†	17.1	8.2	0.0190	mg/L	0.0190	mg/L	23:12:02
2	B 182.528†	68.3	70.5	0.0830	mg/L	0.0830	mg/L	23:12:02
2	Ba 233.527†	27377.7	25662.5	0.2301	mg/L	0.2301	mg/L	23:11:52
2	Be 313.107†	683.0	1543.6	0.0008	mg/L	0.0008	mg/L	23:11:52
2	Ca 315.887†	5074716.1	4742912.4	33.73	mg/L	33.73	mg/L	23:11:50
2	Cd 228.802†	245.0	136.0	0.0035	mg/L	0.0035	mg/L	23:12:02
2	Co 228.616†	1797.6	1715.1	0.0238	mg/L	0.0238	mg/L	23:12:02
2	Cr 267.716†	8367.5	7187.0	0.0574	mg/L	0.0574	mg/L	23:11:52
2	Cu 324.752†	80931.6	73896.0	0.3254	mg/L	0.3254	mg/L	23:11:52
2	Fe 238.204†	4147042.5	3876282.5	24.70	mg/L	24.70	mg/L	23:11:50
2	Mg 279.077†	214937.9	200623.2	11.83	mg/L	11.83	mg/L	23:11:52
2	Mn 257.610†	3151851.9	2946169.5	3.418	mg/L	3.418	mg/L	23:11:50
2	Mo 202.031†	310.4	302.0	0.0037	mg/L	0.0037	mg/L	23:12:02
2	Ni 231.604†	1592.1	1478.8	0.0286	mg/L	0.0286	mg/L	23:12:02
2	P 214.914†	3390.7	2905.8	1.247	mg/L	1.247	mg/L	23:12:02
2	Pb 220.353†	1887.7	1751.0	0.0971	mg/L	0.0971	mg/L	23:12:02
2	Sb 206.836†	66.4	26.3	0.0020	mg/L	0.0020	mg/L	23:12:02
2	Se 196.026†	-1.5	0.6	0.0135	mg/L	0.0135	mg/L	23:12:02
2	Sn 189.927†	-272.8	-252.4	0.0406	mg/L	0.0406	mg/L	23:12:02
2	Ti 337.279†	732650.0	686066.3	0.8222	mg/L	0.8222	mg/L	23:11:50
2	Tl 190.801†	19.6	10.6	-0.0162	mg/L	-0.0162	mg/L	23:12:02
2	V 292.402†	12340.8	12460.5	0.0540	mg/L	0.0540	mg/L	23:11:52
2	Zn 213.857†	24057.6	21404.6	0.1406	mg/L	0.1406	mg/L	23:11:52

Mean Data: 1210235-05

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	3359743.1	1.07	mg/L	0.007				0.62%
Ag 328.068†	-394.2	-0.0007	mg/L	0.00010	-0.0007	mg/L	0.00010	13.61%
Al 237.313†	175098.9	16.84	mg/L	0.122	16.84	mg/L	0.122	0.72%
As 188.979†	6.1	0.0174	mg/L	0.00234	0.0174	mg/L	0.00234	13.48%
B 182.528†	74.9	0.0881	mg/L	0.00717	0.0881	mg/L	0.00717	8.14%
B 249.677†	77.8	0.0925	mg/L	0.00221	0.0925	mg/L	0.00221	2.39%
Ba 233.527†	25492.6	0.2286	mg/L	0.00217	0.2286	mg/L	0.00217	0.95%
Be 313.107†	1554.7	0.0008	mg/L	0.00001	0.0008	mg/L	0.00001	0.91%
Ca 315.887†	4684730.4	33.31	mg/L	0.585	33.31	mg/L	0.585	1.76%
Cd 228.802†	134.0	0.0035	mg/L	0.00007	0.0035	mg/L	0.00007	1.92%
Co 228.616†	1724.9	0.0240	mg/L	0.00027	0.0240	mg/L	0.00027	1.12%
Cr 267.716†	7163.2	0.0572	mg/L	0.00027	0.0572	mg/L	0.00027	0.47%
Cu 324.752†	73526.9	0.3237	mg/L	0.00232	0.3237	mg/L	0.00232	0.72%
Fe 234.349†	16447.0	25.93	mg/L	0.033	25.93	mg/L	0.033	0.13%
Fe 238.204†	3828206.5	24.40	mg/L	0.433	24.40	mg/L	0.433	1.78%
K 766.490†	17546.7	13.12	mg/L	0.034	13.12	mg/L	0.034	0.26%
Li 670.784†	304.4	0.0186	mg/L	0.00067	0.0186	mg/L	0.00067	3.58%
Mg 279.077†	199478.6	11.77	mg/L	0.096	11.77	mg/L	0.096	0.81%
Mn 257.610†	2910740.3	3.377	mg/L	0.0582	3.377	mg/L	0.0582	1.72%
Mo 202.031†	305.1	0.0039	mg/L	0.00018	0.0039	mg/L	0.00018	4.66%

2	Cu 324.752†	2517.8	602.1	0.0007 mg/L	0.0007 mg/L	23:16:08
2	Fe 238.204†	45908.3	42355.8	0.2608 mg/L	0.2608 mg/L	23:16:08
2	Mg 279.077†	116249.8	109121.0	6.421 mg/L	6.421 mg/L	23:16:08
2	Mn 257.610†	775674.1	729728.5	0.8449 mg/L	0.8449 mg/L	23:16:06
2	Mo 202.031†	217.6	216.6	0.0086 mg/L	0.0086 mg/L	23:16:18
2	Ni 231.604†	103.4	87.7	-0.0008 mg/L	-0.0008 mg/L	23:16:18
2	P 214.914†	409.8	121.6	0.0655 mg/L	0.0655 mg/L	23:16:18
2	Pb 220.353†	-44.2	-55.4	-0.0061 mg/L	-0.0061 mg/L	23:16:18
2	Sb 206.836†	50.4	11.7	0.0050 mg/L	0.0050 mg/L	23:16:18
2	Se 196.026†	4.2	5.9	0.0059 mg/L	0.0059 mg/L	23:16:18
2	Sn 189.927†	-326.5	-304.7	-0.0412 mg/L	-0.0412 mg/L	23:16:18
2	Ti 337.279†	12402.9	12775.1	0.0165 mg/L	0.0165 mg/L	23:16:08
2	Tl 190.801†	16.5	7.8	-0.0018 mg/L	-0.0018 mg/L	23:16:18
2	V 292.402†	-1030.2	-47.0	0.0018 mg/L	0.0018 mg/L	23:16:08
2	Zn 213.857†	6573.9	5102.0	0.0311 mg/L	0.0311 mg/L	23:16:18

Mean Data: 1210235-06

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3331188.7	1.07 mg/L		0.004			0.40%
Ag 328.068†	-205.6	-0.0015 mg/L		0.00021	-0.0015 mg/L	0.00021	13.92%
Al 237.313†	4657.3	0.4317 mg/L		0.00410	0.4317 mg/L	0.00410	0.95%
As 188.979†	-6.9	-0.0034 mg/L		0.00139	-0.0034 mg/L	0.00139	40.73%
B 182.528†	78.5	0.0923 mg/L		0.00072	0.0923 mg/L	0.00072	0.78%
B 249.677†	89.9	0.1068 mg/L		0.00310	0.1068 mg/L	0.00310	2.91%
Ba 233.527†	5976.9	0.0524 mg/L		0.00027	0.0524 mg/L	0.00027	0.51%
Be 313.107†	-73.6	0.0000 mg/L		0.00002	0.0000 mg/L	0.00002	48.49%
Ca 315.887†	5469635.2	38.90 mg/L		0.105	38.90 mg/L	0.105	0.27%
Cd 228.802†	-4.7	-0.0002 mg/L		0.00010	-0.0002 mg/L	0.00010	65.29%
Co 228.616†	49.1	-0.0037 mg/L		0.00029	-0.0037 mg/L	0.00029	7.99%
Cr 267.716†	182.5	0.0009 mg/L		0.00018	0.0009 mg/L	0.00018	19.63%
Cu 324.752†	570.1	0.0005 mg/L		0.00020	0.0005 mg/L	0.00020	36.42%
Fe 234.349†	223.2	0.3183 mg/L		0.00071	0.3183 mg/L	0.00071	0.22%
Fe 238.204†	42007.5	0.2586 mg/L		0.00314	0.2586 mg/L	0.00314	1.21%
K 766.490†	17500.5	13.09 mg/L		0.003	13.09 mg/L	0.003	0.02%
Li 670.784†	118.2	0.0079 mg/L		0.00362	0.0079 mg/L	0.00362	45.70%
Mg 279.077†	108368.5	6.377 mg/L		0.0629	6.377 mg/L	0.0629	0.99%
Mn 257.610†	730739.0	0.8461 mg/L		0.00166	0.8461 mg/L	0.00166	0.20%
Mo 202.031†	219.6	0.0087 mg/L		0.00016	0.0087 mg/L	0.00016	1.89%
Na 589.592†	271307.8	74.79 mg/L		0.264	74.79 mg/L	0.264	0.35%
Ni 231.604†	101.4	-0.0005 mg/L		0.00041	-0.0005 mg/L	0.00041	74.88%
P 214.914†	97.8	0.0559 mg/L		0.01360	0.0559 mg/L	0.01360	24.33%
Pb 220.353†	-66.2	-0.0068 mg/L		0.00092	-0.0068 mg/L	0.00092	13.57%
Sb 206.836†	11.8	0.0051 mg/L		0.00008	0.0051 mg/L	0.00008	1.64%
Se 196.026†	5.2	0.0055 mg/L		0.00063	0.0055 mg/L	0.00063	11.48%
Sn 189.927†	-299.5	-0.0406 mg/L		0.00096	-0.0406 mg/L	0.00096	2.37%
Sr 407.771†	96268.6	0.1647 mg/L		0.00070	0.1647 mg/L	0.00070	0.43%
Ti 337.279†	12998.9	0.0167 mg/L		0.00038	0.0167 mg/L	0.00038	2.26%
Tl 190.801†	6.1	-0.0028 mg/L		0.00138	-0.0028 mg/L	0.00138	49.87%
V 292.402†	8.2	0.0021 mg/L		0.00036	0.0021 mg/L	0.00036	17.18%
Zn 213.857†	5083.3	0.0310 mg/L		0.00018	0.0310 mg/L	0.00018	0.58%

Sequence No.: 92

Autosampler Location: 83

Sample ID: 1210235-07

Date Collected: 10/11/2012 11:17:57 PM

Analyst:

Data Type: Original

Initial Sample Wt:

Initial Sample Vol:

Dilution:

Sample Prep Vol:

Replicate Data: 1210235-07

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	84.6	79.0	0.0940 mg/L	0.0940 mg/L	23:19:51
1	Fe 234.349†	116.0	108.4	0.1217 mg/L	0.1217 mg/L	23:19:51
1	K 766.490†	21053.2	20128.7	15.05 mg/L	15.05 mg/L	23:19:41
1	Li 670.784†	-85.4	106.6	0.0073 mg/L	0.0073 mg/L	23:19:41
1	Na 589.592†	1324003.6	1285475.1	354.7 mg/L	354.7 mg/L	23:19:39
1	Sr 407.771†	272321.3	264227.9	0.4519 mg/L	0.4519 mg/L	23:19:39
1	Y 371.029	3221754.3	3221754.3	1.03 mg/L		23:20:12
1	Ag 328.068†	1949.1	-147.1	-0.0012 mg/L	-0.0012 mg/L	23:20:14
1	Al 237.313†	553.8	684.8	0.0492 mg/L	0.0492 mg/L	23:20:25

1	As	188.979†	-8.2	-15.8	-0.0105	mg/L	-0.0105	mg/L	23:20:25
1	B	182.528†	48.0	53.3	0.0631	mg/L	0.0631	mg/L	23:20:25
1	Ba	233.527†	14478.6	14120.6	0.1259	mg/L	0.1259	mg/L	23:20:14
1	Be	313.107†	-1021.8	-86.8	0.0000	mg/L	0.0000	mg/L	23:20:14
1	Ca	315.887†	8138850.6	7898678.5	56.18	mg/L	56.18	mg/L	23:20:10
1	Cd	228.802†	91.4	-4.3	-0.0001	mg/L	-0.0001	mg/L	23:20:25
1	Co	228.616†	-36.9	-1.4	-0.0045	mg/L	-0.0045	mg/L	23:20:25
1	Cr	267.716†	988.7	323.7	0.0021	mg/L	0.0021	mg/L	23:20:14
1	Cu	324.752†	2710.9	863.0	0.0018	mg/L	0.0018	mg/L	23:20:14
1	Fe	238.204†	13251.2	11996.6	0.0673	mg/L	0.0673	mg/L	23:20:14
1	Mg	279.077†	114310.0	110632.1	6.508	mg/L	6.508	mg/L	23:20:14
1	Mn	257.610†	5047.7	4343.0	0.0029	mg/L	0.0029	mg/L	23:20:25
1	Mo	202.031†	298.4	301.4	0.0120	mg/L	0.0120	mg/L	23:20:25
1	Ni	231.604†	50.2	39.0	-0.0019	mg/L	-0.0019	mg/L	23:20:25
1	P	214.914†	826.2	537.8	0.2336	mg/L	0.2336	mg/L	23:20:25
1	Pb	220.353†	-73.0	-84.7	-0.0078	mg/L	-0.0078	mg/L	23:20:25
1	Sb	206.836†	49.2	12.1	0.0053	mg/L	0.0053	mg/L	23:20:25
1	Se	196.026†	-7.8	-5.6	-0.0014	mg/L	-0.0014	mg/L	23:20:25
1	Sn	189.927†	-383.8	-369.9	-0.0503	mg/L	-0.0503	mg/L	23:20:25
1	Ti	337.279†	3852.3	4837.3	0.0070	mg/L	0.0070	mg/L	23:20:14
1	Tl	190.801†	25.6	17.1	0.0034	mg/L	0.0034	mg/L	23:20:25
1	V	292.402†	-554.6	384.6	0.0039	mg/L	0.0039	mg/L	23:20:14
1	Zn	213.857†	8089.6	6765.1	0.0424	mg/L	0.0424	mg/L	23:20:25
2	B	249.677†	87.4	81.5	0.0970	mg/L	0.0970	mg/L	23:20:06
2	Fe	234.349†	118.0	110.1	0.1231	mg/L	0.1231	mg/L	23:20:06
2	K	766.490†	20687.3	19724.4	14.74	mg/L	14.74	mg/L	23:19:56
2	Li	670.784†	-115.8	77.5	0.0056	mg/L	0.0056	mg/L	23:19:56
2	Na	589.592†	1297467.6	1256639.3	346.7	mg/L	346.7	mg/L	23:19:53
2	Sr	407.771†	266171.2	257626.6	0.4406	mg/L	0.4406	mg/L	23:19:53
2	Y	371.029	3229647.0	3229647.0	1.03	mg/L			23:20:30
2	Ag	328.068†	1818.2	-278.5	-0.0020	mg/L	-0.0020	mg/L	23:20:32
2	Al	237.313†	467.8	600.2	0.0411	mg/L	0.0411	mg/L	23:20:42
2	As	188.979†	-6.4	-14.1	-0.0091	mg/L	-0.0091	mg/L	23:20:42
2	B	182.528†	46.6	51.8	0.0615	mg/L	0.0615	mg/L	23:20:42
2	Ba	233.527†	14806.4	14403.6	0.1285	mg/L	0.1285	mg/L	23:20:32
2	Be	313.107†	-1143.6	-202.3	0.0000	mg/L	0.0000	mg/L	23:20:32
2	Ca	315.887†	8355623.4	8089274.5	57.53	mg/L	57.53	mg/L	23:20:27
2	Cd	228.802†	89.3	-6.5	-0.0002	mg/L	-0.0002	mg/L	23:20:42
2	Co	228.616†	-61.3	-24.9	-0.0049	mg/L	-0.0049	mg/L	23:20:42
2	Cr	267.716†	1011.4	343.4	0.0022	mg/L	0.0022	mg/L	23:20:32
2	Cu	324.752†	2727.7	872.8	0.0019	mg/L	0.0019	mg/L	23:20:32
2	Fe	238.204†	13424.0	12132.4	0.0682	mg/L	0.0682	mg/L	23:20:32
2	Mg	279.077†	117069.3	113032.7	6.650	mg/L	6.650	mg/L	23:20:32
2	Mn	257.610†	5035.2	4319.0	0.0029	mg/L	0.0029	mg/L	23:20:42
2	Mo	202.031†	321.2	322.8	0.0128	mg/L	0.0128	mg/L	23:20:42
2	Ni	231.604†	45.5	34.4	-0.0020	mg/L	-0.0020	mg/L	23:20:42
2	P	214.914†	805.9	516.1	0.2248	mg/L	0.2248	mg/L	23:20:42
2	Pb	220.353†	-51.7	-63.9	-0.0065	mg/L	-0.0065	mg/L	23:20:42
2	Sb	206.836†	51.4	14.1	0.0064	mg/L	0.0064	mg/L	23:20:42
2	Se	196.026†	-8.3	-6.1	-0.0018	mg/L	-0.0018	mg/L	23:20:42
2	Sn	189.927†	-354.9	-340.9	-0.0465	mg/L	-0.0465	mg/L	23:20:42
2	Ti	337.279†	3961.5	4933.8	0.0071	mg/L	0.0071	mg/L	23:20:32
2	Tl	190.801†	29.3	20.7	0.0054	mg/L	0.0054	mg/L	23:20:42
2	V	292.402†	-324.9	608.3	0.0049	mg/L	0.0049	mg/L	23:20:32
2	Zn	213.857†	8062.6	6719.8	0.0421	mg/L	0.0421	mg/L	23:20:42

Mean Data: 1210235-07

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	3225700.7	1.03	mg/L	0.002				0.17%
Ag 328.068†	-212.8	-0.0016	mg/L	0.00058	-0.0016	mg/L	0.00058	36.68%
Al 237.313†	642.5	0.0451	mg/L	0.00576	0.0451	mg/L	0.00576	12.76%
As 188.979†	-15.0	-0.0098	mg/L	0.00097	-0.0098	mg/L	0.00097	9.87%
B 182.528†	52.5	0.0623	mg/L	0.00118	0.0623	mg/L	0.00118	1.89%
B 249.677†	80.3	0.0955	mg/L	0.00210	0.0955	mg/L	0.00210	2.20%
Ba 233.527†	14262.1	0.1272	mg/L	0.00181	0.1272	mg/L	0.00181	1.42%
Be 313.107†	-144.5	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	668.06%
Ca 315.887†	7993976.5	56.85	mg/L	0.959	56.85	mg/L	0.959	1.69%
Cd 228.802†	-5.4	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	30.65%
Co 228.616†	-13.1	-0.0047	mg/L	0.00029	-0.0047	mg/L	0.00029	6.13%
Cr 267.716†	333.6	0.0022	mg/L	0.00011	0.0022	mg/L	0.00011	5.22%
Cu 324.752†	867.9	0.0019	mg/L	0.00003	0.0019	mg/L	0.00003	1.65%

2	B 182.528†	25.7	30.4	0.0368	mg/L	0.0368	mg/L	23:24:55
2	Ba 233.527†	3923.7	3679.0	0.0317	mg/L	0.0317	mg/L	23:24:55
2	Be 313.107†	-785.3	182.0	0.0002	mg/L	0.0002	mg/L	23:24:45
2	Ca 315.887†	1993458.8	1833813.4	13.03	mg/L	13.03	mg/L	23:24:42
2	Cd 228.802†	99.1	-1.8	-0.0001	mg/L	-0.0001	mg/L	23:24:55
2	Co 228.616†	-29.9	7.0	-0.0044	mg/L	-0.0044	mg/L	23:24:55
2	Cr 267.716†	681.8	-8.2	-0.0006	mg/L	-0.0006	mg/L	23:24:45
2	Cu 324.752†	2124.4	187.5	-0.0012	mg/L	-0.0012	mg/L	23:24:45
2	Fe 238.204†	3375.8	2241.9	0.0051	mg/L	0.0051	mg/L	23:24:55
2	Mg 279.077†	20598.9	18638.8	1.074	mg/L	1.074	mg/L	23:24:45
2	Mn 257.610†	21006.3	18783.5	0.0196	mg/L	0.0196	mg/L	23:24:45
2	Mo 202.031†	71.1	77.2	0.0033	mg/L	0.0033	mg/L	23:24:55
2	Ni 231.604†	50.4	36.7	-0.0019	mg/L	-0.0019	mg/L	23:24:55
2	P 214.914†	285.2	-1.7	0.0150	mg/L	0.0150	mg/L	23:24:55
2	Pb 220.353†	31.5	15.3	-0.0018	mg/L	-0.0018	mg/L	23:24:55
2	Sb 206.836†	34.3	-4.1	-0.0038	mg/L	-0.0038	mg/L	23:24:55
2	Se 196.026†	-2.8	-0.7	0.0016	mg/L	0.0016	mg/L	23:24:55
2	Sn 189.927†	-148.0	-133.6	-0.0197	mg/L	-0.0197	mg/L	23:24:55
2	Ti 337.279†	-804.5	357.2	0.0016	mg/L	0.0016	mg/L	23:24:45
2	Tl 190.801†	8.1	-0.2	-0.0061	mg/L	-0.0061	mg/L	23:24:55
2	V 292.402†	-1062.6	-55.5	0.0018	mg/L	0.0018	mg/L	23:24:45
2	Zn 213.857†	7910.2	6195.5	0.0385	mg/L	0.0385	mg/L	23:24:55

Mean Data: 1210235-08

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Sample	Std.Dev.	RSD
Y 371.029	3389121.9	1.08	mg/L	0.003				0.32%
Ag 328.068†	-261.1	-0.0019	mg/L	0.00015	-0.0019	mg/L	0.00015	8.05%
Al 237.313†	168.9	-0.0005	mg/L	0.00208	-0.0005	mg/L	0.00208	443.29%
As 188.979†	-2.3	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	50.85%
B 182.528†	30.4	0.0368	mg/L	0.00006	0.0368	mg/L	0.00006	0.17%
B 249.677†	42.9	0.0516	mg/L	0.00054	0.0516	mg/L	0.00054	1.04%
Ba 233.527†	3692.2	0.0318	mg/L	0.00017	0.0318	mg/L	0.00017	0.53%
Be 313.107†	176.8	0.0002	mg/L	0.00000	0.0002	mg/L	0.00000	2.22%
Ca 315.887†	1830567.0	13.01	mg/L	0.033	13.01	mg/L	0.033	0.25%
Cd 228.802†	-3.5	-0.0001	mg/L	0.00006	-0.0001	mg/L	0.00006	45.66%
Co 228.616†	-5.7	-0.0046	mg/L	0.00031	-0.0046	mg/L	0.00031	6.80%
Cr 267.716†	-14.4	-0.0007	mg/L	0.00007	-0.0007	mg/L	0.00007	10.82%
Cu 324.752†	214.0	-0.0010	mg/L	0.00017	-0.0010	mg/L	0.00017	15.97%
Fe 234.349†	21.4	0.0229	mg/L	0.00446	0.0229	mg/L	0.00446	19.45%
Fe 238.204†	2262.2	0.0052	mg/L	0.00018	0.0052	mg/L	0.00018	3.51%
K 766.490†	4535.2	3.425	mg/L	0.0316	3.425	mg/L	0.0316	0.92%
Li 670.784†	96.1	0.0067	mg/L	0.00057	0.0067	mg/L	0.00057	8.56%
Mg 279.077†	18753.0	1.080	mg/L	0.0095	1.080	mg/L	0.0095	0.88%
Mn 257.610†	18927.4	0.0198	mg/L	0.00024	0.0198	mg/L	0.00024	1.19%
Mo 202.031†	82.9	0.0036	mg/L	0.00031	0.0036	mg/L	0.00031	8.76%
Na 589.592†	85515.1	23.52	mg/L	0.039	23.52	mg/L	0.039	0.16%
Ni 231.604†	32.6	-0.0020	mg/L	0.00012	-0.0020	mg/L	0.00012	6.18%
P 214.914†	-7.0	0.0128	mg/L	0.00308	0.0128	mg/L	0.00308	24.13%
Pb 220.353†	-15.4	-0.0036	mg/L	0.00260	-0.0036	mg/L	0.00260	72.10%
Sb 206.836†	0.4	-0.0012	mg/L	0.00364	-0.0012	mg/L	0.00364	295.97%
Se 196.026†	-0.9	0.0015	mg/L	0.00024	0.0015	mg/L	0.00024	16.47%
Sn 189.927†	-137.9	-0.0203	mg/L	0.00081	-0.0203	mg/L	0.00081	4.02%
Sr 407.771†	37101.8	0.0635	mg/L	0.00013	0.0635	mg/L	0.00013	0.21%
Ti 337.279†	363.2	0.0016	mg/L	0.00001	0.0016	mg/L	0.00001	0.63%
Tl 190.801†	1.4	-0.0051	mg/L	0.00130	-0.0051	mg/L	0.00130	25.32%
V 292.402†	-10.8	0.0020	mg/L	0.00029	0.0020	mg/L	0.00029	14.47%
Zn 213.857†	6199.1	0.0385	mg/L	0.00004	0.0385	mg/L	0.00004	0.09%

Sequence No.: 94

Sample ID: CJ21102-DUP1

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 85

Date Collected: 10/11/2012 11:26:34 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21102-DUP1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	50.6	43.2	0.0519 mg/L	0.0519 mg/L	23:28:27
1	Fe 234.349†	22.8	16.7	0.0157 mg/L	0.0157 mg/L	23:28:27

1	K 766.490†	4993.5	4261.1	3.221 mg/L	3.221 mg/L	23:28:17
1	Li 670.784†	-197.7	8.7	0.0016 mg/L	0.0016 mg/L	23:28:17
1	Na 589.592†	92647.1	85051.4	23.39 mg/L	23.39 mg/L	23:28:17
1	Sr 407.771†	41012.1	37411.6	0.0640 mg/L	0.0640 mg/L	23:28:17
1	Y 371.029	3418320.9	3418320.9	1.09 mg/L		23:28:44
1	Ag 328.068†	1960.6	-245.4	-0.0018 mg/L	-0.0018 mg/L	23:28:46
1	Al 237.313†	49.0	192.1	0.0018 mg/L	0.0018 mg/L	23:28:56
1	As 188.979†	7.1	-1.4	0.0008 mg/L	0.0008 mg/L	23:28:56
1	B 182.528†	24.8	29.3	0.0356 mg/L	0.0356 mg/L	23:28:56
1	Ba 233.527†	3836.9	3576.8	0.0307 mg/L	0.0307 mg/L	23:28:56
1	Be 313.107†	-928.7	55.5	0.0001 mg/L	0.0001 mg/L	23:28:46
1	Ca 315.887†	1967557.1	1798506.5	12.78 mg/L	12.78 mg/L	23:28:44
1	Cd 228.802†	92.0	-8.8	-0.0003 mg/L	-0.0003 mg/L	23:28:56
1	Co 228.616†	-48.8	-10.2	-0.0047 mg/L	-0.0047 mg/L	23:28:56
1	Cr 267.716†	598.5	-88.4	-0.0012 mg/L	-0.0012 mg/L	23:28:46
1	Cu 324.752†	2123.2	174.0	-0.0012 mg/L	-0.0012 mg/L	23:28:46
1	Fe 238.204†	2171.2	1120.2	-0.0021 mg/L	-0.0021 mg/L	23:28:56
1	Mg 279.077†	20597.8	18517.8	1.067 mg/L	1.067 mg/L	23:28:46
1	Mn 257.610†	9126.1	7792.5	0.0069 mg/L	0.0069 mg/L	23:28:46
1	Mo 202.031†	79.4	84.4	0.0036 mg/L	0.0036 mg/L	23:28:56
1	Ni 231.604†	33.5	21.0	-0.0023 mg/L	-0.0023 mg/L	23:28:56
1	P 214.914†	284.8	-3.7	0.0141 mg/L	0.0141 mg/L	23:28:56
1	Pb 220.353†	-84.2	-90.8	-0.0081 mg/L	-0.0081 mg/L	23:28:56
1	Sb 206.836†	46.1	6.5	0.0022 mg/L	0.0022 mg/L	23:28:56
1	Se 196.026†	-0.7	1.3	0.0029 mg/L	0.0029 mg/L	23:28:56
1	Sn 189.927†	-150.2	-134.7	-0.0199 mg/L	-0.0199 mg/L	23:28:56
1	Ti 337.279†	-956.4	223.0	0.0014 mg/L	0.0014 mg/L	23:28:46
1	Tl 190.801†	10.3	1.7	-0.0050 mg/L	-0.0050 mg/L	23:28:56
1	V 292.402†	-941.8	61.3	0.0023 mg/L	0.0023 mg/L	23:28:46
1	Zn 213.857†	6794.5	5128.7	0.0313 mg/L	0.0313 mg/L	23:28:56
2	B 249.677†	49.3	43.6	0.0524 mg/L	0.0524 mg/L	23:28:40
2	Fe 234.349†	17.7	12.6	0.0087 mg/L	0.0087 mg/L	23:28:40
2	K 766.490†	5096.2	4525.5	3.418 mg/L	3.418 mg/L	23:28:30
2	Li 670.784†	-196.9	2.9	0.0013 mg/L	0.0013 mg/L	23:28:30
2	Na 589.592†	93073.0	88554.0	24.36 mg/L	24.36 mg/L	23:28:30
2	Sr 407.771†	41114.6	38880.5	0.0665 mg/L	0.0665 mg/L	23:28:30
2	Y 371.029	3297755.5	3297755.5	1.05 mg/L		23:28:58
2	Ag 328.068†	1937.7	-201.5	-0.0015 mg/L	-0.0015 mg/L	23:29:01
2	Al 237.313†	13.2	159.7	-0.0014 mg/L	-0.0014 mg/L	23:29:11
2	As 188.979†	3.3	-4.7	-0.0018 mg/L	-0.0018 mg/L	23:29:11
2	B 182.528†	31.4	36.4	0.0438 mg/L	0.0438 mg/L	23:29:11
2	Ba 233.527†	3822.8	3691.8	0.0318 mg/L	0.0318 mg/L	23:29:11
2	Be 313.107†	-868.8	81.2	0.0001 mg/L	0.0001 mg/L	23:29:01
2	Ca 315.887†	1980276.5	1876377.7	13.33 mg/L	13.33 mg/L	23:28:58
2	Cd 228.802†	92.4	-5.4	-0.0002 mg/L	-0.0002 mg/L	23:29:11
2	Co 228.616†	-45.1	-8.3	-0.0046 mg/L	-0.0046 mg/L	23:29:11
2	Cr 267.716†	629.2	-39.3	-0.0009 mg/L	-0.0009 mg/L	23:29:01
2	Cu 324.752†	2162.7	282.4	-0.0007 mg/L	-0.0007 mg/L	23:29:01
2	Fe 238.204†	2140.6	1163.8	-0.0018 mg/L	-0.0018 mg/L	23:29:11
2	Mg 279.077†	19932.5	18575.9	1.070 mg/L	1.070 mg/L	23:29:01
2	Mn 257.610†	8858.9	7844.3	0.0069 mg/L	0.0069 mg/L	23:29:01
2	Mo 202.031†	82.6	90.1	0.0038 mg/L	0.0038 mg/L	23:29:11
2	Ni 231.604†	48.0	35.9	-0.0019 mg/L	-0.0019 mg/L	23:29:11
2	P 214.914†	275.5	-2.9	0.0144 mg/L	0.0144 mg/L	23:29:11
2	Pb 220.353†	13.6	-0.9	-0.0027 mg/L	-0.0027 mg/L	23:29:11
2	Sb 206.836†	45.9	7.8	0.0030 mg/L	0.0030 mg/L	23:29:11
2	Se 196.026†	1.7	3.6	0.0043 mg/L	0.0043 mg/L	23:29:11
2	Sn 189.927†	-175.6	-163.9	-0.0237 mg/L	-0.0237 mg/L	23:29:11
2	Ti 337.279†	-948.4	198.5	0.0014 mg/L	0.0014 mg/L	23:29:01
2	Tl 190.801†	12.3	3.9	-0.0037 mg/L	-0.0037 mg/L	23:29:11
2	V 292.402†	-965.9	6.9	0.0021 mg/L	0.0021 mg/L	23:29:01
2	Zn 213.857†	6756.2	5319.6	0.0326 mg/L	0.0326 mg/L	23:29:11

Mean Data: CJ21102-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3358038.2	1.07 mg/L		0.027			2.54%
Ag 328.068†	-223.4	-0.0016 mg/L		0.00019	-0.0016 mg/L	0.00019	11.66%
Al 237.313†	175.9	0.0002 mg/L		0.00220	0.0002 mg/L	0.00220	>999.9%
As 188.979†	-3.1	-0.0005 mg/L		0.00184	-0.0005 mg/L	0.00184	337.25%
B 182.528†	32.9	0.0397 mg/L		0.00579	0.0397 mg/L	0.00579	14.61%
B 249.677†	43.4	0.0521 mg/L		0.00036	0.0521 mg/L	0.00036	0.70%

Ba	233.527†	3634.3	0.0313 mg/L	0.00073	0.0313 mg/L	0.00073	2.35%
Be	313.107†	68.3	0.0001 mg/L	0.00001	0.0001 mg/L	0.00001	8.13%
Ca	315.887†	1837442.1	13.06 mg/L	0.392	13.06 mg/L	0.392	3.00%
Cd	228.802†	-7.1	-0.0002 mg/L	0.00007	-0.0002 mg/L	0.00007	30.91%
Co	228.616†	-9.3	-0.0047 mg/L	0.00002	-0.0047 mg/L	0.00002	0.51%
Cr	267.716†	-63.8	-0.0010 mg/L	0.00028	-0.0010 mg/L	0.00028	26.71%
Cu	324.752†	228.2	-0.0010 mg/L	0.00034	-0.0010 mg/L	0.00034	34.75%
Fe	234.349†	14.6	0.0122 mg/L	0.00495	0.0122 mg/L	0.00495	40.59%
Fe	238.204†	1142.0	-0.0019 mg/L	0.00020	-0.0019 mg/L	0.00020	10.27%
K	766.490†	4393.3	3.319 mg/L	0.1393	3.319 mg/L	0.1393	4.20%
Li	670.784†	5.8	0.0015 mg/L	0.00024	0.0015 mg/L	0.00024	16.26%
Mg	279.077†	18546.8	1.068 mg/L	0.0024	1.068 mg/L	0.0024	0.23%
Mn	257.610†	7818.4	0.0069 mg/L	0.00004	0.0069 mg/L	0.00004	0.61%
Mo	202.031†	87.3	0.0037 mg/L	0.00016	0.0037 mg/L	0.00016	4.25%
Na	589.592†	86802.7	23.88 mg/L	0.683	23.88 mg/L	0.683	2.86%
Ni	231.604†	28.4	-0.0021 mg/L	0.00022	-0.0021 mg/L	0.00022	10.63%
P	214.914†	-3.3	0.0143 mg/L	0.00020	0.0143 mg/L	0.00020	1.41%
Pb	220.353†	-45.8	-0.0054 mg/L	0.00380	-0.0054 mg/L	0.00380	70.21%
Sb	206.836†	7.2	0.0026 mg/L	0.00054	0.0026 mg/L	0.00054	20.78%
Se	196.026†	2.5	0.0036 mg/L	0.00101	0.0036 mg/L	0.00101	28.10%
Sn	189.927†	-149.3	-0.0218 mg/L	0.00272	-0.0218 mg/L	0.00272	12.50%
Sr	407.771†	38146.1	0.0652 mg/L	0.00178	0.0652 mg/L	0.00178	2.72%
Ti	337.279†	210.7	0.0014 mg/L	0.00002	0.0014 mg/L	0.00002	1.45%
Tl	190.801†	2.8	-0.0044 mg/L	0.00089	-0.0044 mg/L	0.00089	20.46%
V	292.402†	34.1	0.0022 mg/L	0.00017	0.0022 mg/L	0.00017	7.75%
Zn	213.857†	5224.2	0.0319 mg/L	0.00091	0.0319 mg/L	0.00091	2.85%

Sequence No.: 95
Sample ID: CJ21102-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 86
Date Collected: 10/11/2012 11:30:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21102-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	538.1	503.3	0.5913 mg/L	0.5913 mg/L	0.5913 mg/L	23:32:39
1	Fe 234.349†	1793.7	1684.0	2.635 mg/L	2.635 mg/L	2.635 mg/L	23:32:39
1	K 766.490†	41587.8	38833.6	28.99 mg/L	28.99 mg/L	28.99 mg/L	23:32:29
1	Li 670.784†	9566.2	9192.9	0.5295 mg/L	0.5295 mg/L	0.5295 mg/L	23:32:39
1	Na 589.592†	186206.9	175542.8	48.36 mg/L	48.36 mg/L	48.36 mg/L	23:32:29
1	Sr 407.771†	70331.0	66084.0	0.1130 mg/L	0.1130 mg/L	0.1130 mg/L	23:32:29
1	Y 371.029	3322801.3	3322801.3	1.06 mg/L	1.06 mg/L	1.06 mg/L	23:32:57
1	Ag 328.068†	46833.1	42038.5	0.2608 mg/L	0.2608 mg/L	0.2608 mg/L	23:32:57
1	Al 237.313†	28463.6	26936.0	2.582 mg/L	2.582 mg/L	2.582 mg/L	23:33:08
1	As 188.979†	717.1	667.0	0.5232 mg/L	0.5232 mg/L	0.5232 mg/L	23:33:08
1	B 182.528†	531.9	507.3	0.5863 mg/L	0.5863 mg/L	0.5863 mg/L	23:33:08
1	Ba 233.527†	66449.1	62605.8	0.5634 mg/L	0.5634 mg/L	0.5634 mg/L	23:32:57
1	Be 313.107†	116170.1	110239.8	0.0532 mg/L	0.0532 mg/L	0.0532 mg/L	23:32:57
1	Ca 315.887†	2688643.2	2528909.8	17.98 mg/L	17.98 mg/L	17.98 mg/L	23:32:57
1	Cd 228.802†	10415.7	9709.9	0.2550 mg/L	0.2550 mg/L	0.2550 mg/L	23:33:08
1	Co 228.616†	32476.3	30599.8	0.5282 mg/L	0.5282 mg/L	0.5282 mg/L	23:33:08
1	Cr 267.716†	69626.1	64893.4	0.5228 mg/L	0.5228 mg/L	0.5228 mg/L	23:32:57
1	Cu 324.752†	129241.8	119868.9	0.5284 mg/L	0.5284 mg/L	0.5284 mg/L	23:32:57
1	Fe 238.204†	440536.1	413749.2	2.629 mg/L	2.629 mg/L	2.629 mg/L	23:32:57
1	Mg 279.077†	114003.0	106968.8	6.293 mg/L	6.293 mg/L	6.293 mg/L	23:32:57
1	Mn 257.610†	491828.5	462333.0	0.5346 mg/L	0.5346 mg/L	0.5346 mg/L	23:32:57
1	Mo 202.031†	13939.9	13131.5	0.5075 mg/L	0.5075 mg/L	0.5075 mg/L	23:33:08
1	Ni 231.604†	26744.1	25160.8	0.5302 mg/L	0.5302 mg/L	0.5302 mg/L	23:32:57
1	P 214.914†	14090.0	12996.8	5.271 mg/L	5.271 mg/L	5.271 mg/L	23:33:08
1	Pb 220.353†	9262.7	8703.9	0.5163 mg/L	0.5163 mg/L	0.5163 mg/L	23:33:08
1	Sb 206.836†	1034.2	937.7	0.5280 mg/L	0.5280 mg/L	0.5280 mg/L	23:33:08
1	Se 196.026†	1758.9	1657.4	1.053 mg/L	1.053 mg/L	1.053 mg/L	23:33:08
1	Sn 189.927†	4212.1	3967.0	0.5268 mg/L	0.5268 mg/L	0.5268 mg/L	23:33:08
1	Ti 337.279†	467368.2	440966.6	0.5289 mg/L	0.5289 mg/L	0.5289 mg/L	23:32:57
1	Tl 190.801†	1006.7	939.7	0.5083 mg/L	0.5083 mg/L	0.5083 mg/L	23:33:08
1	V 292.402†	119149.0	113061.3	0.5263 mg/L	0.5263 mg/L	0.5263 mg/L	23:32:57
1	Zn 213.857†	89641.2	83279.5	0.5560 mg/L	0.5560 mg/L	0.5560 mg/L	23:32:57
2	B 249.677†	531.3	495.3	0.5819 mg/L	0.5819 mg/L	0.5819 mg/L	23:32:52
2	Fe 234.349†	1775.7	1661.7	2.600 mg/L	2.600 mg/L	2.600 mg/L	23:32:52
2	K 766.490†	42039.4	39131.3	29.21 mg/L	29.21 mg/L	29.21 mg/L	23:32:42

2	Li 670.784†	9481.0	9084.0	0.5232 mg/L	0.5232 mg/L	23:32:52
2	Na 589.592†	187617.7	176302.3	48.57 mg/L	48.57 mg/L	23:32:42
2	Sr 407.771†	70893.3	66398.5	0.1136 mg/L	0.1136 mg/L	23:32:42
2	Y 371.029	3333528.4	3333528.4	1.07 mg/L		23:33:11
2	Ag 328.068†	46732.0	41801.8	0.2593 mg/L	0.2593 mg/L	23:33:11
2	Al 237.313†	28497.4	26881.5	2.577 mg/L	2.577 mg/L	23:33:21
2	As 188.979†	724.4	671.8	0.5269 mg/L	0.5269 mg/L	23:33:21
2	B 182.528†	531.3	505.1	0.5838 mg/L	0.5838 mg/L	23:33:21
2	Ba 233.527†	66126.5	62102.0	0.5589 mg/L	0.5589 mg/L	23:33:11
2	Be 313.107†	115614.7	109366.9	0.0528 mg/L	0.0528 mg/L	23:33:11
2	Ca 315.887†	2682195.9	2514718.6	17.88 mg/L	17.88 mg/L	23:33:11
2	Cd 228.802†	10428.4	9690.2	0.2544 mg/L	0.2544 mg/L	23:33:21
2	Co 228.616†	32506.8	30530.1	0.5270 mg/L	0.5270 mg/L	23:33:21
2	Cr 267.716†	69241.0	64321.3	0.5182 mg/L	0.5182 mg/L	23:33:11
2	Cu 324.752†	128770.7	119035.5	0.5247 mg/L	0.5247 mg/L	23:33:11
2	Fe 238.204†	439363.8	411315.2	2.614 mg/L	2.614 mg/L	23:33:11
2	Mg 279.077†	113780.7	106415.1	6.260 mg/L	6.260 mg/L	23:33:11
2	Mn 257.610†	490107.6	459229.1	0.5310 mg/L	0.5310 mg/L	23:33:11
2	Mo 202.031†	13933.4	13083.2	0.5057 mg/L	0.5057 mg/L	23:33:21
2	Ni 231.604†	26702.4	25040.7	0.5277 mg/L	0.5277 mg/L	23:33:11
2	P 214.914†	14107.5	12970.5	5.261 mg/L	5.261 mg/L	23:33:21
2	Pb 220.353†	9234.7	8649.6	0.5130 mg/L	0.5130 mg/L	23:33:21
2	Sb 206.836†	1031.5	931.9	0.5248 mg/L	0.5248 mg/L	23:33:21
2	Se 196.026†	1766.6	1659.3	1.055 mg/L	1.055 mg/L	23:33:21
2	Sn 189.927†	4227.9	3969.0	0.5270 mg/L	0.5270 mg/L	23:33:21
2	Ti 337.279†	465859.4	438135.6	0.5255 mg/L	0.5255 mg/L	23:33:11
2	Tl 190.801†	1015.7	945.1	0.5114 mg/L	0.5114 mg/L	23:33:21
2	V 292.402†	118724.2	112301.8	0.5228 mg/L	0.5228 mg/L	23:33:11
2	Zn 213.857†	89519.5	82893.9	0.5534 mg/L	0.5534 mg/L	23:33:11

Mean Data: CJ21102-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
Y 371.029	3328164.9	1.06	mg/L	0.002			0.23%
Ag 328.068†	41920.1	0.2601	mg/L	0.00104	0.2601 mg/L	0.00104	0.40%
Al 237.313†	26908.8	2.580	mg/L	0.0037	2.580 mg/L	0.0037	0.14%
As 188.979†	669.4	0.5250	mg/L	0.00263	0.5250 mg/L	0.00263	0.50%
B 182.528†	506.2	0.5850	mg/L	0.00174	0.5850 mg/L	0.00174	0.30%
B 249.677†	499.3	0.5866	mg/L	0.00665	0.5866 mg/L	0.00665	1.13%
Ba 233.527†	62353.9	0.5612	mg/L	0.00322	0.5612 mg/L	0.00322	0.57%
Be 313.107†	109803.4	0.0530	mg/L	0.00030	0.0530 mg/L	0.00030	0.56%
Ca 315.887†	2521814.2	17.93	mg/L	0.071	17.93 mg/L	0.071	0.40%
Cd 228.802†	9700.0	0.2547	mg/L	0.00038	0.2547 mg/L	0.00038	0.15%
Co 228.616†	30565.0	0.5276	mg/L	0.00086	0.5276 mg/L	0.00086	0.16%
Cr 267.716†	64607.3	0.5205	mg/L	0.00326	0.5205 mg/L	0.00326	0.63%
Cu 324.752†	119452.2	0.5265	mg/L	0.00261	0.5265 mg/L	0.00261	0.50%
Fe 234.349†	1672.8	2.618	mg/L	0.0248	2.618 mg/L	0.0248	0.95%
Fe 238.204†	412532.2	2.622	mg/L	0.0110	2.622 mg/L	0.0110	0.42%
K 766.490†	38982.5	29.10	mg/L	0.157	29.10 mg/L	0.157	0.54%
Li 670.784†	9138.4	0.5263	mg/L	0.00443	0.5263 mg/L	0.00443	0.84%
Mg 279.077†	106692.0	6.277	mg/L	0.0231	6.277 mg/L	0.0231	0.37%
Mn 257.610†	460781.0	0.5328	mg/L	0.00255	0.5328 mg/L	0.00255	0.48%
Mo 202.031†	13107.3	0.5066	mg/L	0.00131	0.5066 mg/L	0.00131	0.26%
Na 589.592†	175922.5	48.47	mg/L	0.148	48.47 mg/L	0.148	0.31%
Ni 231.604†	25100.7	0.5289	mg/L	0.00180	0.5289 mg/L	0.00180	0.34%
P 214.914†	12983.6	5.266	mg/L	0.0075	5.266 mg/L	0.0075	0.14%
Pb 220.353†	8676.7	0.5147	mg/L	0.00229	0.5147 mg/L	0.00229	0.45%
Sb 206.836†	934.8	0.5264	mg/L	0.00229	0.5264 mg/L	0.00229	0.43%
Se 196.026†	1658.3	1.054	mg/L	0.0008	1.054 mg/L	0.0008	0.08%
Sn 189.927†	3968.0	0.5269	mg/L	0.00012	0.5269 mg/L	0.00012	0.02%
Sr 407.771†	66241.2	0.1133	mg/L	0.00038	0.1133 mg/L	0.00038	0.34%
Ti 337.279†	439551.1	0.5272	mg/L	0.00240	0.5272 mg/L	0.00240	0.45%
Tl 190.801†	942.4	0.5099	mg/L	0.00214	0.5099 mg/L	0.00214	0.42%
V 292.402†	112681.6	0.5245	mg/L	0.00248	0.5245 mg/L	0.00248	0.47%
Zn 213.857†	83086.7	0.5547	mg/L	0.00183	0.5547 mg/L	0.00183	0.33%

Sequence No.: 96

Sample ID: CJ21102-SD1 @5

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 87

Date Collected: 10/11/2012 11:34:57 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: CJ21102-SD1 @5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	B 249.677†	12.7	8.3	0.0109	mg/L	0.0109	mg/L	23:36:46
1	Fe 234.349†	4.8	0.1	-0.0014	mg/L	-0.0014	mg/L	23:36:46
1	K 766.490†	1515.3	1050.5	0.8278	mg/L	0.8278	mg/L	23:36:36
1	Li 670.784†	-204.9	6.0	0.0015	mg/L	0.0015	mg/L	23:36:36
1	Na 589.592†	20243.0	18430.3	5.008	mg/L	5.008	mg/L	23:36:36
1	Sr 407.771†	8685.9	7673.9	0.0131	mg/L	0.0131	mg/L	23:36:36
1	Y 371.029	3490179.1	3490179.1	1.12	mg/L			23:37:02
1	Ag 328.068†	1995.2	-251.3	-0.0018	mg/L	-0.0018	mg/L	23:37:05
1	Al 237.313†	-191.0	-24.0	-0.0190	mg/L	-0.0190	mg/L	23:37:15
1	As 188.979†	13.5	4.2	0.0051	mg/L	0.0051	mg/L	23:37:15
1	B 182.528†	0.9	7.5	0.0104	mg/L	0.0104	mg/L	23:37:15
1	Ba 233.527†	808.5	791.0	0.0056	mg/L	0.0056	mg/L	23:37:15
1	Be 313.107†	-818.7	171.5	0.0002	mg/L	0.0002	mg/L	23:37:05
1	Ca 315.887†	410977.5	366710.6	2.595	mg/L	2.595	mg/L	23:37:02
1	Cd 228.802†	92.4	-10.2	-0.0003	mg/L	-0.0003	mg/L	23:37:15
1	Co 228.616†	-16.3	19.8	-0.0042	mg/L	-0.0042	mg/L	23:37:15
1	Cr 267.716†	621.3	-79.3	-0.0012	mg/L	-0.0012	mg/L	23:37:05
1	Cu 324.752†	2109.8	122.0	-0.0014	mg/L	-0.0014	mg/L	23:37:05
1	Fe 238.204†	1493.7	472.2	-0.0062	mg/L	-0.0062	mg/L	23:37:15
1	Mg 279.077†	4573.0	3771.2	0.1954	mg/L	0.1954	mg/L	23:37:05
1	Mn 257.610†	10041.2	8440.6	0.0076	mg/L	0.0076	mg/L	23:37:05
1	Mo 202.031†	46.4	53.4	0.0024	mg/L	0.0024	mg/L	23:37:15
1	Ni 231.604†	24.0	11.8	-0.0025	mg/L	-0.0025	mg/L	23:37:15
1	P 214.914†	248.9	-41.2	-0.0011	mg/L	-0.0011	mg/L	23:37:15
1	Pb 220.353†	-14.5	-26.7	-0.0042	mg/L	-0.0042	mg/L	23:37:15
1	Sb 206.836†	44.8	4.4	0.0011	mg/L	0.0011	mg/L	23:37:15
1	Se 196.026†	9.0	10.0	0.0084	mg/L	0.0084	mg/L	23:37:15
1	Sn 189.927†	-34.0	-27.8	-0.0059	mg/L	-0.0059	mg/L	23:37:15
1	Ti 337.279†	-945.9	250.4	0.0015	mg/L	0.0015	mg/L	23:37:05
1	Tl 190.801†	7.8	-0.7	-0.0063	mg/L	-0.0063	mg/L	23:37:15
1	V 292.402†	-992.5	33.5	0.0022	mg/L	0.0022	mg/L	23:37:05
1	Zn 213.857†	4015.4	2510.6	0.0136	mg/L	0.0136	mg/L	23:37:15
2	B 249.677†	15.8	11.2	0.0144	mg/L	0.0144	mg/L	23:36:59
2	Fe 234.349†	8.0	3.0	0.0033	mg/L	0.0033	mg/L	23:36:59
2	K 766.490†	1457.1	1016.3	0.8023	mg/L	0.8023	mg/L	23:36:49
2	Li 670.784†	-140.7	61.8	0.0047	mg/L	0.0047	mg/L	23:36:49
2	Na 589.592†	20190.4	18631.1	5.063	mg/L	5.063	mg/L	23:36:49
2	Sr 407.771†	8632.5	7732.2	0.0132	mg/L	0.0132	mg/L	23:36:49
2	Y 371.029	3442991.9	3442991.9	1.10	mg/L			23:37:17
2	Ag 328.068†	1972.6	-247.3	-0.0018	mg/L	-0.0018	mg/L	23:37:20
2	Al 237.313†	-152.6	8.6	-0.0159	mg/L	-0.0159	mg/L	23:37:30
2	As 188.979†	11.4	2.5	0.0038	mg/L	0.0038	mg/L	23:37:30
2	B 182.528†	-0.3	6.4	0.0091	mg/L	0.0091	mg/L	23:37:30
2	Ba 233.527†	816.7	808.3	0.0057	mg/L	0.0057	mg/L	23:37:30
2	Be 313.107†	-819.5	160.7	0.0002	mg/L	0.0002	mg/L	23:37:20
2	Ca 315.887†	405612.0	366883.9	2.596	mg/L	2.596	mg/L	23:37:17
2	Cd 228.802†	94.6	-7.1	-0.0003	mg/L	-0.0003	mg/L	23:37:30
2	Co 228.616†	-24.7	12.1	-0.0043	mg/L	-0.0043	mg/L	23:37:30
2	Cr 267.716†	703.4	3.0	-0.0005	mg/L	-0.0005	mg/L	23:37:20
2	Cu 324.752†	2055.8	98.8	-0.0015	mg/L	-0.0015	mg/L	23:37:20
2	Fe 238.204†	1579.9	568.8	-0.0056	mg/L	-0.0056	mg/L	23:37:30
2	Mg 279.077†	4592.6	3845.1	0.1998	mg/L	0.1998	mg/L	23:37:20
2	Mn 257.610†	10178.1	8688.2	0.0079	mg/L	0.0079	mg/L	23:37:20
2	Mo 202.031†	21.9	31.7	0.0016	mg/L	0.0016	mg/L	23:37:30
2	Ni 231.604†	43.5	29.8	-0.0021	mg/L	-0.0021	mg/L	23:37:30
2	P 214.914†	277.5	-12.2	0.0107	mg/L	0.0107	mg/L	23:37:30
2	Pb 220.353†	-5.7	-18.9	-0.0038	mg/L	-0.0038	mg/L	23:37:30
2	Sb 206.836†	46.4	6.4	0.0022	mg/L	0.0022	mg/L	23:37:30
2	Se 196.026†	6.4	7.8	0.0070	mg/L	0.0070	mg/L	23:37:30
2	Sn 189.927†	-37.1	-31.0	-0.0063	mg/L	-0.0063	mg/L	23:37:30
2	Ti 337.279†	-882.6	296.2	0.0015	mg/L	0.0015	mg/L	23:37:20
2	Tl 190.801†	10.2	1.6	-0.0050	mg/L	-0.0050	mg/L	23:37:30
2	V 292.402†	-965.3	46.1	0.0023	mg/L	0.0023	mg/L	23:37:20
2	Zn 213.857†	3971.9	2520.4	0.0137	mg/L	0.0137	mg/L	23:37:30

Mean Data: CJ21102-SD1 @5

Mean Corrected

Calib

Sample Page 696 of 724

Analyte	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	3466585.5	1.11 mg/L	0.011			0.96%
Ag 328.068†	-249.3	-0.0018 mg/L	0.00002	-0.0018 mg/L	0.00002	0.98%
Al 237.313†	-7.7	-0.0175 mg/L	0.00222	-0.0175 mg/L	0.00222	12.69%
As 188.979†	3.4	0.0045 mg/L	0.00096	0.0045 mg/L	0.00096	21.61%
B 182.528†	7.0	0.0098 mg/L	0.00094	0.0098 mg/L	0.00094	9.58%
B 249.677†	9.7	0.0126 mg/L	0.00243	0.0126 mg/L	0.00243	19.26%
Ba 233.527†	799.7	0.0057 mg/L	0.00011	0.0057 mg/L	0.00011	1.95%
Be 313.107†	166.1	0.0002 mg/L	0.00000	0.0002 mg/L	0.00000	2.33%
Ca 315.887†	366797.2	2.596 mg/L	0.0009	2.596 mg/L	0.0009	0.03%
Cd 228.802†	-8.7	-0.0003 mg/L	0.00006	-0.0003 mg/L	0.00006	21.60%
Co 228.616†	15.9	-0.0042 mg/L	0.00010	-0.0042 mg/L	0.00010	2.28%
Cr 267.716†	-38.2	-0.0008 mg/L	0.00047	-0.0008 mg/L	0.00047	55.37%
Cu 324.752†	110.4	-0.0015 mg/L	0.00007	-0.0015 mg/L	0.00007	4.84%
Fe 234.349†	1.5	0.0009 mg/L	0.00332	0.0009 mg/L	0.00332	357.05%
Fe 238.204†	520.5	-0.0059 mg/L	0.00044	-0.0059 mg/L	0.00044	7.42%
K 766.490†	1033.4	0.8150 mg/L	0.01806	0.8150 mg/L	0.01806	2.22%
Li 670.784†	33.9	0.0031 mg/L	0.00227	0.0031 mg/L	0.00227	73.67%
Mg 279.077†	3808.2	0.1976 mg/L	0.00309	0.1976 mg/L	0.00309	1.56%
Mn 257.610†	8564.4	0.0078 mg/L	0.00020	0.0078 mg/L	0.00020	2.61%
Mo 202.031†	42.5	0.0020 mg/L	0.00059	0.0020 mg/L	0.00059	29.73%
Na 589.592†	18530.7	5.036 mg/L	0.0392	5.036 mg/L	0.0392	0.78%
Ni 231.604†	20.8	-0.0023 mg/L	0.00027	-0.0023 mg/L	0.00027	11.85%
P 214.914†	-26.7	0.0048 mg/L	0.00832	0.0048 mg/L	0.00832	174.35%
Pb 220.353†	-22.8	-0.0040 mg/L	0.00033	-0.0040 mg/L	0.00033	8.23%
Sb 206.836†	5.4	0.0016 mg/L	0.00080	0.0016 mg/L	0.00080	49.08%
Se 196.026†	8.9	0.0077 mg/L	0.00099	0.0077 mg/L	0.00099	12.86%
Sn 189.927†	-29.4	-0.0061 mg/L	0.00029	-0.0061 mg/L	0.00029	4.83%
Sr 407.771†	7703.1	0.0132 mg/L	0.00007	0.0132 mg/L	0.00007	0.53%
Ti 337.279†	273.3	0.0015 mg/L	0.00004	0.0015 mg/L	0.00004	2.57%
Tl 190.801†	0.4	-0.0057 mg/L	0.00090	-0.0057 mg/L	0.00090	15.94%
V 292.402†	39.8	0.0022 mg/L	0.00004	0.0022 mg/L	0.00004	1.71%
Zn 213.857†	2515.5	0.0136 mg/L	0.00005	0.0136 mg/L	0.00005	0.34%

Sequence No.: 97
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/11/2012 11:39:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	477.6	442.4	0.5199 mg/L	0.5199 mg/L	23:40:58
1	Fe 234.349†	1798.5	1673.7	2.631 mg/L	2.631 mg/L	23:40:58
1	K 766.490†	35963.7	33244.9	24.82 mg/L	24.82 mg/L	23:40:48
1	Li 670.784†	9261.5	8830.1	0.5086 mg/L	0.5086 mg/L	23:40:58
1	Na 589.592†	97880.4	91609.1	25.20 mg/L	25.20 mg/L	23:40:48
1	Sr 407.771†	31692.8	29458.8	0.0504 mg/L	0.0504 mg/L	23:40:48
1	Y 371.029	3352066.0	3352066.0	1.07 mg/L		23:41:16
1	Ag 328.068†	45163.9	40096.3	0.2488 mg/L	0.2488 mg/L	23:41:16
1	Al 237.313†	28047.6	26314.0	2.522 mg/L	2.522 mg/L	23:41:27
1	As 188.979†	689.1	635.1	0.4982 mg/L	0.4982 mg/L	23:41:27
1	B 182.528†	458.9	434.8	0.5027 mg/L	0.5027 mg/L	23:41:27
1	Ba 233.527†	60367.1	56385.7	0.5073 mg/L	0.5073 mg/L	23:41:16
1	Be 313.107†	111263.9	104708.1	0.0506 mg/L	0.0506 mg/L	23:41:16
1	Ca 315.887†	762827.3	710139.4	5.041 mg/L	5.041 mg/L	23:41:16
1	Cd 228.802†	10031.8	9266.1	0.2433 mg/L	0.2433 mg/L	23:41:27
1	Co 228.616†	31293.7	29229.8	0.5043 mg/L	0.5043 mg/L	23:41:27
1	Cr 267.716†	67419.8	62262.9	0.5016 mg/L	0.5016 mg/L	23:41:16
1	Cu 324.752†	124055.3	113968.2	0.5023 mg/L	0.5023 mg/L	23:41:16
1	Fe 238.204†	427930.6	398369.2	2.531 mg/L	2.531 mg/L	23:41:16
1	Mg 279.077†	93260.8	86680.8	5.095 mg/L	5.095 mg/L	23:41:16
1	Mn 257.610†	467040.2	435165.8	0.5031 mg/L	0.5031 mg/L	23:41:16
1	Mo 202.031†	13441.7	12552.2	0.4851 mg/L	0.4851 mg/L	23:41:27
1	Ni 231.604†	25964.4	24213.6	0.5101 mg/L	0.5101 mg/L	23:41:16
1	P 214.914†	13398.9	12236.2	4.964 mg/L	4.964 mg/L	23:41:27
1	Pb 220.353†	8993.9	8377.0	0.4968 mg/L	0.4968 mg/L	23:41:27
1	Sb 206.836†	988.2	886.3	0.4990 mg/L	0.4990 mg/L	23:41:27
1	Se 196.026†	1673.4	1563.1	0.9936 mg/L	0.9936 mg/L	23:41:27
1	Sn 189.927†	4058.2	3788.7	0.5034 mg/L	0.5034 mg/L	23:41:27

1	Ti 337.279†	444719.8	415996.7	0.4990 mg/L	0.4990 mg/L	23:41:16
1	Tl 190.801†	967.9	895.3	0.4840 mg/L	0.4840 mg/L	23:41:27
1	V 292.402†	115553.0	108727.4	0.5062 mg/L	0.5062 mg/L	23:41:16
1	Zn 213.857†	80714.1	74214.5	0.4948 mg/L	0.4948 mg/L	23:41:16
2	B 249.677†	480.2	446.5	0.5246 mg/L	0.5246 mg/L	23:41:11
2	Fe 234.349†	1798.0	1679.2	2.640 mg/L	2.640 mg/L	23:41:11
2	K 766.490†	36518.5	33884.0	25.30 mg/L	25.30 mg/L	23:41:01
2	Li 670.784†	9286.9	8884.6	0.5117 mg/L	0.5117 mg/L	23:41:11
2	Na 589.592†	99664.3	93605.0	25.75 mg/L	25.75 mg/L	23:41:01
2	Sr 407.771†	32367.2	30195.7	0.0516 mg/L	0.0516 mg/L	23:41:01
2	Y 371.029	3340152.4	3340152.4	1.07 mg/L		23:41:30
2	Ag 328.068†	44970.7	40065.8	0.2486 mg/L	0.2486 mg/L	23:41:30
2	Al 237.313†	28429.2	26764.7	2.566 mg/L	2.566 mg/L	23:41:40
2	As 188.979†	709.5	656.5	0.5150 mg/L	0.5150 mg/L	23:41:40
2	B 182.528†	467.7	444.6	0.5140 mg/L	0.5140 mg/L	23:41:40
2	Ba 233.527†	60242.4	56469.8	0.5080 mg/L	0.5080 mg/L	23:41:30
2	Be 313.107†	110634.1	104488.7	0.0505 mg/L	0.0505 mg/L	23:41:30
2	Ca 315.887†	758649.8	708766.5	5.031 mg/L	5.031 mg/L	23:41:30
2	Cd 228.802†	10178.3	9436.7	0.2478 mg/L	0.2478 mg/L	23:41:40
2	Co 228.616†	31847.4	29852.3	0.5152 mg/L	0.5152 mg/L	23:41:40
2	Cr 267.716†	67227.7	62307.4	0.5020 mg/L	0.5020 mg/L	23:41:30
2	Cu 324.752†	123408.4	113775.3	0.5014 mg/L	0.5014 mg/L	23:41:30
2	Fe 238.204†	426149.1	398125.3	2.530 mg/L	2.530 mg/L	23:41:30
2	Mg 279.077†	92738.3	86502.0	5.084 mg/L	5.084 mg/L	23:41:30
2	Mn 257.610†	465243.7	435037.9	0.5030 mg/L	0.5030 mg/L	23:41:30
2	Mo 202.031†	13720.6	12858.0	0.4970 mg/L	0.4970 mg/L	23:41:40
2	Ni 231.604†	25875.4	24216.7	0.5102 mg/L	0.5102 mg/L	23:41:30
2	P 214.914†	13636.5	12503.3	5.072 mg/L	5.072 mg/L	23:41:40
2	Pb 220.353†	9151.7	8554.7	0.5075 mg/L	0.5075 mg/L	23:41:40
2	Sb 206.836†	996.0	896.8	0.5049 mg/L	0.5049 mg/L	23:41:40
2	Se 196.026†	1720.3	1612.6	1.025 mg/L	1.025 mg/L	23:41:40
2	Sn 189.927†	4121.9	3861.9	0.5130 mg/L	0.5130 mg/L	23:41:40
2	Ti 337.279†	441399.1	414367.4	0.4971 mg/L	0.4971 mg/L	23:41:30
2	Tl 190.801†	988.5	917.8	0.4964 mg/L	0.4964 mg/L	23:41:40
2	V 292.402†	115171.5	108754.7	0.5064 mg/L	0.5064 mg/L	23:41:30
2	Zn 213.857†	80361.5	74153.0	0.4944 mg/L	0.4944 mg/L	23:41:30

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3346109.2	1.07 mg/L	0.003			0.25%
Ag 328.068†	40081.1	0.2487 mg/L	0.00013	0.2487 mg/L	0.00013	0.05%
QC value within limits for Ag 328.068 Recovery = 99.47%						
Al 237.313†	26539.4	2.544 mg/L	0.0307	2.544 mg/L	0.0307	1.21%
QC value within limits for Al 237.313 Recovery = 101.76%						
As 188.979†	645.8	0.5066 mg/L	0.01183	0.5066 mg/L	0.01183	2.33%
QC value within limits for As 188.979 Recovery = 101.32%						
B 182.528†	439.7	0.5084 mg/L	0.00798	0.5084 mg/L	0.00798	1.57%
QC value within limits for B 182.528 Recovery = 101.67%						
B 249.677†	444.5	0.5222 mg/L	0.00337	0.5222 mg/L	0.00337	0.65%
QC value within limits for B 249.677 Recovery = 104.45%						
Ba 233.527†	56427.8	0.5077 mg/L	0.00054	0.5077 mg/L	0.00054	0.11%
QC value within limits for Ba 233.527 Recovery = 101.53%						
Be 313.107†	104598.4	0.0505 mg/L	0.00007	0.0505 mg/L	0.00007	0.15%
QC value within limits for Be 313.107 Recovery = 101.03%						
Ca 315.887†	709452.9	5.036 mg/L	0.0069	5.036 mg/L	0.0069	0.14%
QC value within limits for Ca 315.887 Recovery = 100.72%						
Cd 228.802†	9351.4	0.2456 mg/L	0.00314	0.2456 mg/L	0.00314	1.28%
QC value within limits for Cd 228.802 Recovery = 98.22%						
Co 228.616†	29541.0	0.5098 mg/L	0.00768	0.5098 mg/L	0.00768	1.51%
QC value within limits for Co 228.616 Recovery = 101.96%						
Cr 267.716†	62285.2	0.5018 mg/L	0.00026	0.5018 mg/L	0.00026	0.05%
QC value within limits for Cr 267.716 Recovery = 100.36%						
Cu 324.752†	113871.8	0.5018 mg/L	0.00060	0.5018 mg/L	0.00060	0.12%
QC value within limits for Cu 324.752 Recovery = 100.37%						
Fe 234.349†	1676.4	2.635 mg/L	0.0061	2.635 mg/L	0.0061	0.23%
QC value within limits for Fe 234.349 Recovery = 105.41%						
Fe 238.204†	398247.2	2.530 mg/L	0.0011	2.530 mg/L	0.0011	0.04%
QC value within limits for Fe 238.204 Recovery = 101.22%						
K 766.490†	33564.5	25.06 mg/L	0.337	25.06 mg/L	0.337	1.34%
QC value within limits for K 766.490 Recovery = 100.24%						
Li 670.784†	8857.3	0.5102 mg/L	0.00222	0.5102 mg/L	0.00222	0.43%

QC value within limits for Li 670.784	Recovery = 102.04%						
Mg 279.077†	86591.4	5.089 mg/L	0.0075	5.089 mg/L	0.0075	0.15%	
QC value within limits for Mg 279.077	Recovery = 101.79%						
Mn 257.610†	435101.9	0.5030 mg/L	0.00010	0.5030 mg/L	0.00010	0.02%	
QC value within limits for Mn 257.610	Recovery = 100.61%						
Mo 202.031†	12705.1	0.4910 mg/L	0.00837	0.4910 mg/L	0.00837	1.70%	
QC value within limits for Mo 202.031	Recovery = 98.21%						
Na 589.592†	92607.0	25.48 mg/L	0.389	25.48 mg/L	0.389	1.53%	
QC value within limits for Na 589.592	Recovery = 101.91%						
Ni 231.604†	24215.2	0.5102 mg/L	0.00006	0.5102 mg/L	0.00006	0.01%	
QC value within limits for Ni 231.604	Recovery = 102.04%						
P 214.914†	12369.8	5.018 mg/L	0.0764	5.018 mg/L	0.0764	1.52%	
QC value within limits for P 214.914	Recovery = 100.36%						
Pb 220.353†	8465.8	0.5021 mg/L	0.00751	0.5021 mg/L	0.00751	1.50%	
QC value within limits for Pb 220.353	Recovery = 100.43%						
Sb 206.836†	891.6	0.5019 mg/L	0.00422	0.5019 mg/L	0.00422	0.84%	
QC value within limits for Sb 206.836	Recovery = 100.39%						
Se 196.026†	1587.9	1.009 mg/L	0.0222	1.009 mg/L	0.0222	2.20%	
QC value within limits for Se 196.026	Recovery = 100.93%						
Sn 189.927†	3825.3	0.5082 mg/L	0.00682	0.5082 mg/L	0.00682	1.34%	
QC value within limits for Sn 189.927	Recovery = 101.64%						
Sr 407.771†	29827.3	0.0510 mg/L	0.00089	0.0510 mg/L	0.00089	1.75%	
QC value within limits for Sr 407.771	Recovery = 102.04%						
Ti 337.279†	415182.1	0.4980 mg/L	0.00138	0.4980 mg/L	0.00138	0.28%	
QC value within limits for Ti 337.279	Recovery = 99.61%						
Tl 190.801†	906.5	0.4902 mg/L	0.00877	0.4902 mg/L	0.00877	1.79%	
QC value within limits for Tl 190.801	Recovery = 98.03%						
V 292.402†	108741.0	0.5063 mg/L	0.00015	0.5063 mg/L	0.00015	0.03%	
QC value within limits for V 292.402	Recovery = 101.25%						
Zn 213.857†	74183.7	0.4946 mg/L	0.00029	0.4946 mg/L	0.00029	0.06%	
QC value within limits for Zn 213.857	Recovery = 98.92%						

All analyte(s) passed QC.

Sequence No.: 98	Autosampler Location: 1
Sample ID: CCB1	Date Collected: 10/11/2012 11:43:19 PM
Analyst:	Data Type: Original
Initial Sample Wt:	Initial Sample Vol:
Dilution:	Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	4.7	1.1	0.0024 mg/L	0.0024 mg/L	23:45:24
1	Fe 234.349†	-2.8	-6.7	-0.0098 mg/L	-0.0098 mg/L	23:45:24
1	K 766.490†	433.7	76.5	0.1019 mg/L	0.1019 mg/L	23:45:14
1	Li 670.784†	-187.1	24.1	0.0025 mg/L	0.0025 mg/L	23:45:14
1	Na 589.592†	471.2	709.0	0.1174 mg/L	0.1174 mg/L	23:45:14
1	Sr 407.771†	66.2	-50.3	-0.0001 mg/L	-0.0001 mg/L	23:45:14
1	Y 371.029	3534715.5	3534715.5	1.13 mg/L		23:45:48
1	Ag 328.068†	2026.8	-245.9	-0.0018 mg/L	-0.0018 mg/L	23:45:50
1	Al 237.313†	-180.0	-12.1	-0.0179 mg/L	-0.0179 mg/L	23:45:50
1	As 188.979†	11.2	2.1	0.0035 mg/L	0.0035 mg/L	23:46:00
1	B 182.528†	-5.6	1.8	0.0038 mg/L	0.0038 mg/L	23:46:00
1	Ba 233.527†	-46.8	25.1	-0.0013 mg/L	-0.0013 mg/L	23:46:00
1	Be 313.107†	-830.1	170.6	0.0002 mg/L	0.0002 mg/L	23:45:50
1	Ca 315.887†	693.2	-922.6	-0.0202 mg/L	-0.0202 mg/L	23:45:50
1	Cd 228.802†	101.4	-3.3	-0.0002 mg/L	-0.0002 mg/L	23:46:00
1	Co 228.616†	-53.6	-12.9	-0.0047 mg/L	-0.0047 mg/L	23:46:00
1	Cr 267.716†	673.8	-39.8	-0.0009 mg/L	-0.0009 mg/L	23:45:50
1	Cu 324.752†	1942.9	-49.5	-0.0022 mg/L	-0.0022 mg/L	23:45:50
1	Fe 238.204†	640.9	-299.1	-0.0111 mg/L	-0.0111 mg/L	23:46:00
1	Mg 279.077†	286.1	-73.2	-0.0317 mg/L	-0.0317 mg/L	23:45:50
1	Mn 257.610†	555.4	-65.3	-0.0022 mg/L	-0.0022 mg/L	23:45:50
1	Mo 202.031†	14.4	24.5	0.0013 mg/L	0.0013 mg/L	23:46:00
1	Ni 231.604†	76.6	58.1	-0.0015 mg/L	-0.0015 mg/L	23:45:50
1	P 214.914†	229.4	-61.3	-0.0092 mg/L	-0.0092 mg/L	23:46:00
1	Pb 220.353†	35.8	17.9	-0.0016 mg/L	-0.0016 mg/L	23:46:00
1	Sb 206.836†	47.5	6.3	0.0021 mg/L	0.0021 mg/L	23:46:00
1	Se 196.026†	5.4	6.8	0.0063 mg/L	0.0063 mg/L	23:46:00
1	Sn 189.927†	6.6	8.5	-0.0011 mg/L	-0.0011 mg/L	23:46:00
1	Ti 337.279†	-956.4	251.7	0.0015 mg/L	0.0015 mg/L	23:45:50

1	Tl 190.801†	5.2	-3.1	-0.0076 mg/L	-0.0076 mg/L	23:46:00
1	V 292.402†	-1057.4	-12.6	0.0020 mg/L	0.0020 mg/L	23:45:50
1	Zn 213.857†	1105.7	-109.0	-0.0041 mg/L	-0.0041 mg/L	23:46:00
2	B 249.677†	4.1	0.6	0.0019 mg/L	0.0019 mg/L	23:45:44
2	Fe 234.349†	1.8	-2.7	-0.0034 mg/L	-0.0034 mg/L	23:45:44
2	K 766.490†	388.9	37.8	0.0731 mg/L	0.0731 mg/L	23:45:34
2	Li 670.784†	-171.4	37.5	0.0033 mg/L	0.0033 mg/L	23:45:34
2	Na 589.592†	471.1	710.1	0.1177 mg/L	0.1177 mg/L	23:45:34
2	Sr 407.771†	94.0	-25.4	0.0000 mg/L	0.0000 mg/L	23:45:34
2	Y 371.029	3524868.4	3524868.4	1.13 mg/L		23:46:03
2	Ag 328.068†	2036.6	-232.2	-0.0017 mg/L	-0.0017 mg/L	23:46:05
2	Al 237.313†	-204.0	-33.8	-0.0200 mg/L	-0.0200 mg/L	23:46:05
2	As 188.979†	15.3	5.7	0.0063 mg/L	0.0063 mg/L	23:46:15
2	B 182.528†	-5.7	1.6	0.0036 mg/L	0.0036 mg/L	23:46:15
2	Ba 233.527†	-67.8	6.4	-0.0015 mg/L	-0.0015 mg/L	23:46:15
2	Be 313.107†	-790.3	203.9	0.0002 mg/L	0.0002 mg/L	23:46:05
2	Ca 315.887†	839.2	-791.4	-0.0192 mg/L	-0.0192 mg/L	23:46:05
2	Cd 228.802†	92.5	-11.0	-0.0004 mg/L	-0.0004 mg/L	23:46:15
2	Co 228.616†	-14.5	21.6	-0.0041 mg/L	-0.0041 mg/L	23:46:15
2	Cr 267.716†	680.2	-32.4	-0.0008 mg/L	-0.0008 mg/L	23:46:05
2	Cu 324.752†	1895.4	-86.8	-0.0024 mg/L	-0.0024 mg/L	23:46:05
2	Fe 238.204†	592.4	-340.6	-0.0114 mg/L	-0.0114 mg/L	23:46:15
2	Mg 279.077†	214.8	-135.8	-0.0354 mg/L	-0.0354 mg/L	23:46:05
2	Mn 257.610†	638.0	9.3	-0.0021 mg/L	-0.0021 mg/L	23:46:05
2	Mo 202.031†	6.1	17.2	0.0010 mg/L	0.0010 mg/L	23:46:15
2	Ni 231.604†	32.6	19.2	-0.0023 mg/L	-0.0023 mg/L	23:46:05
2	P 214.914†	252.2	-40.5	-0.0008 mg/L	-0.0008 mg/L	23:46:15
2	Pb 220.353†	31.9	14.5	-0.0018 mg/L	-0.0018 mg/L	23:46:15
2	Sb 206.836†	29.2	-9.8	-0.0070 mg/L	-0.0070 mg/L	23:46:15
2	Se 196.026†	6.7	7.9	0.0070 mg/L	0.0070 mg/L	23:46:15
2	Sn 189.927†	9.5	11.1	-0.0008 mg/L	-0.0008 mg/L	23:46:15
2	Ti 337.279†	-1150.0	77.6	0.0013 mg/L	0.0013 mg/L	23:46:05
2	Tl 190.801†	6.8	-1.7	-0.0068 mg/L	-0.0068 mg/L	23:46:15
2	V 292.402†	-855.6	163.8	0.0028 mg/L	0.0028 mg/L	23:46:05
2	Zn 213.857†	1148.6	-68.2	-0.0038 mg/L	-0.0038 mg/L	23:46:15

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3529792.0	1.13 mg/L	0.002			0.20%
Ag 328.068†	-239.0	-0.0017 mg/L	0.00006	-0.0017 mg/L	0.00006	3.47%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	-22.9	-0.0189 mg/L	0.00148	-0.0189 mg/L	0.00148	7.80%
QC value within limits for Al 237.313 Recovery = Not calculated						
As 188.979†	3.9	0.0049 mg/L	0.00199	0.0049 mg/L	0.00199	40.94%
QC value within limits for As 188.979 Recovery = Not calculated						
B 182.528†	1.7	0.0037 mg/L	0.00010	0.0037 mg/L	0.00010	2.77%
QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	0.8	0.0021 mg/L	0.00042	0.0021 mg/L	0.00042	19.40%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	15.8	-0.0014 mg/L	0.00012	-0.0014 mg/L	0.00012	8.46%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	187.3	0.0002 mg/L	0.00001	0.0002 mg/L	0.00001	6.86%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	-857.0	-0.0197 mg/L	0.00066	-0.0197 mg/L	0.00066	3.38%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Cd 228.802†	-7.1	-0.0003 mg/L	0.00015	-0.0003 mg/L	0.00015	58.92%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	4.3	-0.0044 mg/L	0.00043	-0.0044 mg/L	0.00043	9.61%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	-36.1	-0.0008 mg/L	0.00004	-0.0008 mg/L	0.00004	5.05%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-68.1	-0.0023 mg/L	0.00012	-0.0023 mg/L	0.00012	5.11%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	-4.7	-0.0066 mg/L	0.00452	-0.0066 mg/L	0.00452	68.91%
QC value within limits for Fe 234.349 Recovery = Not calculated						
Fe 238.204†	-319.9	-0.0112 mg/L	0.00019	-0.0112 mg/L	0.00019	1.66%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	57.2	0.0875 mg/L	0.02036	0.0875 mg/L	0.02036	23.28%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	30.8	0.0029 mg/L	0.00055	0.0029 mg/L	0.00055	18.88%
QC value within limits for Li 670.784 Recovery = Not calculated						

Mg	279.077†	-104.5	-0.0335 mg/L	0.00261	-0.0335 mg/L	0.00261	7.79%
	QC value less than the lower limit for Mg 279.077 Recovery = Not calculated						
Mn	257.610†	-28.0	-0.0022 mg/L	0.00006	-0.0022 mg/L	0.00006	2.80%
	QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo	202.031†	20.9	0.0012 mg/L	0.00020	0.0012 mg/L	0.00020	17.36%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na	589.592†	709.5	0.1175 mg/L	0.00021	0.1175 mg/L	0.00021	0.18%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni	231.604†	38.7	-0.0019 mg/L	0.00058	-0.0019 mg/L	0.00058	30.86%
	QC value within limits for Ni 231.604 Recovery = Not calculated						
P	214.914†	-50.9	-0.0050 mg/L	0.00596	-0.0050 mg/L	0.00596	118.53%
	QC value within limits for P 214.914 Recovery = Not calculated						
Pb	220.353†	16.2	-0.0017 mg/L	0.00014	-0.0017 mg/L	0.00014	8.58%
	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb	206.836†	-1.7	-0.0024 mg/L	0.00644	-0.0024 mg/L	0.00644	264.64%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se	196.026†	7.3	0.0067 mg/L	0.00051	0.0067 mg/L	0.00051	7.58%
	QC value within limits for Se 196.026 Recovery = Not calculated						
Sn	189.927†	9.8	-0.0010 mg/L	0.00025	-0.0010 mg/L	0.00025	26.16%
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr	407.771†	-37.8	-0.0001 mg/L	0.00003	-0.0001 mg/L	0.00003	51.10%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti	337.279†	164.7	0.0014 mg/L	0.00015	0.0014 mg/L	0.00015	10.70%
	QC value greater than the upper limit for Ti 337.279 Recovery = Not calculated						
Tl	190.801†	-2.4	-0.0072 mg/L	0.00055	-0.0072 mg/L	0.00055	7.61%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V	292.402†	75.6	0.0024 mg/L	0.00057	0.0024 mg/L	0.00057	23.70%
	QC value greater than the upper limit for V 292.402 Recovery = Not calculated						
Zn	213.857†	-88.6	-0.0040 mg/L	0.00020	-0.0040 mg/L	0.00020	4.98%
	QC value within limits for Zn 213.857 Recovery = Not calculated						
QC Failed. Continue with analysis.							

Sequence No.: 99
Sample ID: CJ21102-PDS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 10/11/2012 11:47:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CJ21102-PDS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	512.4	480.7	0.5649 mg/L		0.5649 mg/L	23:49:40
1	Fe 234.349†	1717.0	1617.0	2.531 mg/L		2.531 mg/L	23:49:40
1	K 766.490†	40255.2	37704.4	28.15 mg/L		28.15 mg/L	23:49:30
1	Li 670.784†	9168.1	8846.7	0.5096 mg/L		0.5096 mg/L	23:49:40
1	Na 589.592†	183523.7	173587.3	47.83 mg/L		47.83 mg/L	23:49:30
1	Sr 407.771†	69865.7	65863.0	0.1127 mg/L		0.1127 mg/L	23:49:30
1	Y 371.029	3311875.1	3311875.1	1.06 mg/L			23:49:58
1	Ag 328.068†	43829.2	39347.4	0.2441 mg/L		0.2441 mg/L	23:49:58
1	Al 237.313†	26746.2	25402.8	2.434 mg/L		2.434 mg/L	23:50:08
1	As 188.979†	645.4	601.5	0.4720 mg/L		0.4720 mg/L	23:50:08
1	B 182.528†	487.9	467.4	0.5403 mg/L		0.5403 mg/L	23:50:08
1	Ba 233.527†	62178.8	58779.9	0.5289 mg/L		0.5289 mg/L	23:49:58
1	Be 313.107†	107990.6	102876.9	0.0497 mg/L		0.0497 mg/L	23:49:58
1	Ca 315.887†	2619570.7	2472035.2	17.57 mg/L		17.57 mg/L	23:49:58
1	Cd 228.802†	9818.7	9178.4	0.2411 mg/L		0.2411 mg/L	23:50:08
1	Co 228.616†	30377.9	28719.3	0.4954 mg/L		0.4954 mg/L	23:50:08
1	Cr 267.716†	64896.7	60643.8	0.4886 mg/L		0.4886 mg/L	23:49:58
1	Cu 324.752†	121466.4	112928.1	0.4977 mg/L		0.4977 mg/L	23:49:58
1	Fe 238.204†	414028.1	390086.4	2.478 mg/L		2.478 mg/L	23:49:58
1	Mg 279.077†	106731.7	100456.8	5.908 mg/L		5.908 mg/L	23:49:58
1	Mn 257.610†	482742.3	455280.4	0.5264 mg/L		0.5264 mg/L	23:49:58
1	Mo 202.031†	13123.3	12403.6	0.4794 mg/L		0.4794 mg/L	23:50:08
1	Ni 231.604†	24739.6	23351.1	0.4919 mg/L		0.4919 mg/L	23:49:58
1	P 214.914†	13112.8	12117.7	4.916 mg/L		4.916 mg/L	23:50:08
1	Pb 220.353†	8668.7	8171.8	0.4846 mg/L		0.4846 mg/L	23:50:08
1	Sb 206.836†	968.6	878.9	0.4948 mg/L		0.4948 mg/L	23:50:08
1	Se 196.026†	1623.9	1535.3	0.9760 mg/L		0.9760 mg/L	23:50:08
1	Sn 189.927†	3926.2	3710.1	0.4928 mg/L		0.4928 mg/L	23:50:08
1	Ti 337.279†	443650.5	420021.9	0.5038 mg/L		0.5038 mg/L	23:49:58
1	Tl 190.801†	952.5	891.7	0.4821 mg/L		0.4821 mg/L	23:50:08

1	V 292.402†	111291.1	106011.3	0.4936	mg/L	0.4936	mg/L	23:49:58
1	Zn 213.857†	84478.6	78682.9	0.5251	mg/L	0.5251	mg/L	23:49:58
2	B 249.677†	507.9	478.5	0.5622	mg/L	0.5622	mg/L	23:49:53
2	Fe 234.349†	1726.9	1633.2	2.556	mg/L	2.556	mg/L	23:49:53
2	K 766.490†	40309.0	37913.0	28.30	mg/L	28.30	mg/L	23:49:43
2	Li 670.784†	9130.1	8846.6	0.5096	mg/L	0.5096	mg/L	23:49:53
2	Na 589.592†	183858.7	174623.5	48.11	mg/L	48.11	mg/L	23:49:43
2	Sr 407.771†	69796.3	66070.7	0.1130	mg/L	0.1130	mg/L	23:49:43
2	Y 371.029	3298199.0	3298199.0	1.05	mg/L	1.05	mg/L	23:50:12
2	Ag 328.068†	43715.3	39411.0	0.2445	mg/L	0.2445	mg/L	23:50:12
2	Al 237.313†	26790.8	25549.8	2.449	mg/L	2.449	mg/L	23:50:22
2	As 188.979†	658.9	616.9	0.4840	mg/L	0.4840	mg/L	23:50:22
2	B 182.528†	488.1	469.5	0.5427	mg/L	0.5427	mg/L	23:50:22
2	Ba 233.527†	61976.3	58831.3	0.5294	mg/L	0.5294	mg/L	23:50:12
2	Be 313.107†	107516.3	102850.0	0.0497	mg/L	0.0497	mg/L	23:50:12
2	Ca 315.887†	2611988.9	2475103.0	17.60	mg/L	17.60	mg/L	23:50:12
2	Cd 228.802†	9816.4	9214.7	0.2420	mg/L	0.2420	mg/L	23:50:22
2	Co 228.616†	30388.1	28847.9	0.4977	mg/L	0.4977	mg/L	23:50:22
2	Cr 267.716†	64550.8	60569.9	0.4880	mg/L	0.4880	mg/L	23:50:12
2	Cu 324.752†	120952.1	112916.1	0.4976	mg/L	0.4976	mg/L	23:50:12
2	Fe 238.204†	413015.7	390747.6	2.483	mg/L	2.483	mg/L	23:50:12
2	Mg 279.077†	106717.3	100861.0	5.932	mg/L	5.932	mg/L	23:50:12
2	Mn 257.610†	481049.7	455565.7	0.5268	mg/L	0.5268	mg/L	23:50:12
2	Mo 202.031†	13126.3	12457.9	0.4815	mg/L	0.4815	mg/L	23:50:22
2	Ni 231.604†	24603.5	23318.9	0.4912	mg/L	0.4912	mg/L	23:50:12
2	P 214.914†	13118.1	12174.1	4.939	mg/L	4.939	mg/L	23:50:22
2	Pb 220.353†	8678.0	8214.6	0.4871	mg/L	0.4871	mg/L	23:50:22
2	Sb 206.836†	973.3	887.1	0.4995	mg/L	0.4995	mg/L	23:50:22
2	Se 196.026†	1624.5	1542.2	0.9804	mg/L	0.9804	mg/L	23:50:22
2	Sn 189.927†	3945.3	3743.5	0.4972	mg/L	0.4972	mg/L	23:50:22
2	Ti 337.279†	443258.0	421386.9	0.5055	mg/L	0.5055	mg/L	23:50:12
2	Tl 190.801†	961.7	904.1	0.4889	mg/L	0.4889	mg/L	23:50:22
2	V 292.402†	110944.1	106118.0	0.4941	mg/L	0.4941	mg/L	23:50:12
2	Zn 213.857†	84236.8	78784.4	0.5258	mg/L	0.5258	mg/L	23:50:12

Mean Data: CJ21102-PDS1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3305037.0	1.06	mg/L	0.003				0.29%
Ag 328.068†	39379.2	0.2443	mg/L	0.00028	0.2443	mg/L	0.00028	0.11%
Al 237.313†	25476.3	2.442	mg/L	0.0100	2.442	mg/L	0.0100	0.41%
As 188.979†	609.2	0.4780	mg/L	0.00848	0.4780	mg/L	0.00848	1.77%
B 182.528†	468.4	0.5415	mg/L	0.00169	0.5415	mg/L	0.00169	0.31%
B 249.677†	479.6	0.5635	mg/L	0.00188	0.5635	mg/L	0.00188	0.33%
Ba 233.527†	58805.6	0.5291	mg/L	0.00033	0.5291	mg/L	0.00033	0.06%
Be 313.107†	102863.4	0.0497	mg/L	0.00001	0.0497	mg/L	0.00001	0.02%
Ca 315.887†	2473569.1	17.59	mg/L	0.015	17.59	mg/L	0.015	0.09%
Cd 228.802†	9196.6	0.2416	mg/L	0.00064	0.2416	mg/L	0.00064	0.27%
Co 228.616†	28783.6	0.4966	mg/L	0.00158	0.4966	mg/L	0.00158	0.32%
Cr 267.716†	60606.9	0.4883	mg/L	0.00042	0.4883	mg/L	0.00042	0.09%
Cu 324.752†	112922.1	0.4977	mg/L	0.00004	0.4977	mg/L	0.00004	0.01%
Fe 234.349†	1625.1	2.543	mg/L	0.0180	2.543	mg/L	0.0180	0.71%
Fe 238.204†	390417.0	2.480	mg/L	0.0030	2.480	mg/L	0.0030	0.12%
K 766.490†	37808.7	28.22	mg/L	0.110	28.22	mg/L	0.110	0.39%
Li 670.784†	8846.7	0.5096	mg/L	0.00001	0.5096	mg/L	0.00001	0.00%
Mg 279.077†	100658.9	5.920	mg/L	0.0169	5.920	mg/L	0.0169	0.29%
Mn 257.610†	455423.0	0.5266	mg/L	0.00023	0.5266	mg/L	0.00023	0.04%
Mo 202.031†	12430.8	0.4804	mg/L	0.00148	0.4804	mg/L	0.00148	0.31%
Na 589.592†	174105.4	47.97	mg/L	0.202	47.97	mg/L	0.202	0.42%
Ni 231.604†	23335.0	0.4915	mg/L	0.00048	0.4915	mg/L	0.00048	0.10%
P 214.914†	12145.9	4.927	mg/L	0.0162	4.927	mg/L	0.0162	0.33%
Pb 220.353†	8193.2	0.4858	mg/L	0.00181	0.4858	mg/L	0.00181	0.37%
Sb 206.836†	883.0	0.4972	mg/L	0.00327	0.4972	mg/L	0.00327	0.66%
Se 196.026†	1538.8	0.9782	mg/L	0.00312	0.9782	mg/L	0.00312	0.32%
Sn 189.927†	3726.8	0.4950	mg/L	0.00316	0.4950	mg/L	0.00316	0.64%
Sr 407.771†	65966.9	0.1128	mg/L	0.00025	0.1128	mg/L	0.00025	0.22%
Ti 337.279†	420704.4	0.5046	mg/L	0.00116	0.5046	mg/L	0.00116	0.23%
Tl 190.801†	897.9	0.4855	mg/L	0.00484	0.4855	mg/L	0.00484	1.00%
V 292.402†	106064.6	0.4938	mg/L	0.00035	0.4938	mg/L	0.00035	0.07%
Zn 213.857†	78733.7	0.5255	mg/L	0.00049	0.5255	mg/L	0.00049	0.09%

Sequence No.: 100
Sample ID: 1210235-09
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 89
Date Collected: 10/11/2012 11:51:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1210235-09

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	58.1	50.3	0.0603 mg/L	0.0603 mg/L	0.0603 mg/L	23:53:47
1	Fe 234.349†	19.4	13.7	0.0109 mg/L	0.0109 mg/L	0.0109 mg/L	23:53:47
1	K 766.490†	4808.1	4114.8	3.112 mg/L	3.112 mg/L	3.112 mg/L	23:53:37
1	Li 670.784†	-100.6	97.0	0.0067 mg/L	0.0067 mg/L	0.0067 mg/L	23:53:37
1	Na 589.592†	91880.6	84793.5	23.32 mg/L	23.32 mg/L	23.32 mg/L	23:53:37
1	Sr 407.771†	40221.9	36882.8	0.0631 mg/L	0.0631 mg/L	0.0631 mg/L	23:53:37
1	Y 371.029	3400383.0	3400383.0	1.09 mg/L	1.09 mg/L	1.09 mg/L	23:54:03
1	Ag 328.068†	2050.8	-152.9	-0.0012 mg/L	-0.0012 mg/L	-0.0012 mg/L	23:54:05
1	Al 237.313†	38.6	182.7	0.0009 mg/L	0.0009 mg/L	0.0009 mg/L	23:54:16
1	As 188.979†	0.3	-7.6	-0.0041 mg/L	-0.0041 mg/L	-0.0041 mg/L	23:54:16
1	B 182.528†	35.6	39.4	0.0472 mg/L	0.0472 mg/L	0.0472 mg/L	23:54:16
1	Ba 233.527†	3849.3	3606.7	0.0310 mg/L	0.0310 mg/L	0.0310 mg/L	23:54:16
1	Be 313.107†	-668.5	290.2	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	23:54:05
1	Ca 315.887†	1971650.9	1811767.2	12.87 mg/L	12.87 mg/L	12.87 mg/L	23:54:03
1	Cd 228.802†	97.9	-3.0	-0.0001 mg/L	-0.0001 mg/L	-0.0001 mg/L	23:54:16
1	Co 228.616†	-53.4	-14.6	-0.0048 mg/L	-0.0048 mg/L	-0.0048 mg/L	23:54:16
1	Cr 267.716†	688.1	-3.1	-0.0006 mg/L	-0.0006 mg/L	-0.0006 mg/L	23:54:05
1	Cu 324.752†	2183.0	239.3	-0.0009 mg/L	-0.0009 mg/L	-0.0009 mg/L	23:54:05
1	Fe 238.204†	3460.8	2316.7	0.0056 mg/L	0.0056 mg/L	0.0056 mg/L	23:54:16
1	Mg 279.077†	19951.6	18023.0	1.037 mg/L	1.037 mg/L	1.037 mg/L	23:54:05
1	Mn 257.610†	16911.7	14996.9	0.0152 mg/L	0.0152 mg/L	0.0152 mg/L	23:54:05
1	Mo 202.031†	93.5	97.8	0.0041 mg/L	0.0041 mg/L	0.0041 mg/L	23:54:16
1	Ni 231.604†	52.1	38.2	-0.0019 mg/L	-0.0019 mg/L	-0.0019 mg/L	23:54:16
1	P 214.914†	275.9	-10.4	0.0114 mg/L	0.0114 mg/L	0.0114 mg/L	23:54:16
1	Pb 220.353†	-46.9	-56.9	-0.0061 mg/L	-0.0061 mg/L	-0.0061 mg/L	23:54:16
1	Sb 206.836†	52.0	12.1	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	23:54:16
1	Se 196.026†	6.0	7.4	0.0068 mg/L	0.0068 mg/L	0.0068 mg/L	23:54:16
1	Sn 189.927†	-146.4	-132.0	-0.0195 mg/L	-0.0195 mg/L	-0.0195 mg/L	23:54:16
1	Ti 337.279†	-729.5	427.0	0.0017 mg/L	0.0017 mg/L	0.0017 mg/L	23:54:05
1	Tl 190.801†	12.4	3.7	-0.0039 mg/L	-0.0039 mg/L	-0.0039 mg/L	23:54:16
1	V 292.402†	-825.0	164.1	0.0028 mg/L	0.0028 mg/L	0.0028 mg/L	23:54:05
1	Zn 213.857†	5521.1	3990.4	0.0236 mg/L	0.0236 mg/L	0.0236 mg/L	23:54:16
2	B 249.677†	56.7	48.8	0.0585 mg/L	0.0585 mg/L	0.0585 mg/L	23:53:59
2	Fe 234.349†	22.8	16.7	0.0157 mg/L	0.0157 mg/L	0.0157 mg/L	23:53:59
2	K 766.490†	4740.8	4031.9	3.050 mg/L	3.050 mg/L	3.050 mg/L	23:53:49
2	Li 670.784†	-105.2	93.3	0.0065 mg/L	0.0065 mg/L	0.0065 mg/L	23:53:49
2	Na 589.592†	90828.8	83425.0	22.94 mg/L	22.94 mg/L	22.94 mg/L	23:53:49
2	Sr 407.771†	39672.2	36202.0	0.0619 mg/L	0.0619 mg/L	0.0619 mg/L	23:53:49
2	Y 371.029	3416795.6	3416795.6	1.09 mg/L	1.09 mg/L	1.09 mg/L	23:54:18
2	Ag 328.068†	1895.9	-303.7	-0.0021 mg/L	-0.0021 mg/L	-0.0021 mg/L	23:54:20
2	Al 237.313†	36.0	180.2	0.0006 mg/L	0.0006 mg/L	0.0006 mg/L	23:54:30
2	As 188.979†	5.2	-3.1	-0.0005 mg/L	-0.0005 mg/L	-0.0005 mg/L	23:54:30
2	B 182.528†	36.2	39.8	0.0477 mg/L	0.0477 mg/L	0.0477 mg/L	23:54:30
2	Ba 233.527†	3856.9	3596.6	0.0309 mg/L	0.0309 mg/L	0.0309 mg/L	23:54:30
2	Be 313.107†	-693.1	270.7	0.0002 mg/L	0.0002 mg/L	0.0002 mg/L	23:54:20
2	Ca 315.887†	1971567.1	1802980.3	12.81 mg/L	12.81 mg/L	12.81 mg/L	23:54:18
2	Cd 228.802†	108.9	6.6	0.0001 mg/L	0.0001 mg/L	0.0001 mg/L	23:54:30
2	Co 228.616†	-31.9	5.2	-0.0044 mg/L	-0.0044 mg/L	-0.0044 mg/L	23:54:30
2	Cr 267.716†	684.6	-9.4	-0.0006 mg/L	-0.0006 mg/L	-0.0006 mg/L	23:54:20
2	Cu 324.752†	2131.2	182.1	-0.0012 mg/L	-0.0012 mg/L	-0.0012 mg/L	23:54:20
2	Fe 238.204†	3447.9	2289.6	0.0054 mg/L	0.0054 mg/L	0.0054 mg/L	23:54:30
2	Mg 279.077†	20368.3	18316.2	1.055 mg/L	1.055 mg/L	1.055 mg/L	23:54:20
2	Mn 257.610†	17186.3	15173.5	0.0155 mg/L	0.0155 mg/L	0.0155 mg/L	23:54:20
2	Mo 202.031†	90.1	94.3	0.0040 mg/L	0.0040 mg/L	0.0040 mg/L	23:54:30
2	Ni 231.604†	41.4	28.2	-0.0021 mg/L	-0.0021 mg/L	-0.0021 mg/L	23:54:30
2	P 214.914†	278.1	-9.7	0.0117 mg/L	0.0117 mg/L	0.0117 mg/L	23:54:30
2	Pb 220.353†	26.1	10.1	-0.0021 mg/L	-0.0021 mg/L	-0.0021 mg/L	23:54:30
2	Sb 206.836†	42.8	3.5	0.0005 mg/L	0.0005 mg/L	0.0005 mg/L	23:54:30
2	Se 196.026†	2.0	3.8	0.0044 mg/L	0.0044 mg/L	0.0044 mg/L	23:54:30
2	Sn 189.927†	-154.6	-138.8	-0.0204 mg/L	-0.0204 mg/L	-0.0204 mg/L	23:54:30
2	Ti 337.279†	-877.7	294.5	0.0015 mg/L	0.0015 mg/L	0.0015 mg/L	23:54:20
2	Tl 190.801†	9.8	1.3	-0.0052 mg/L	-0.0052 mg/L	-0.0052 mg/L	23:54:30
2	V 292.402†	-929.3	72.4	0.0024 mg/L	0.0024 mg/L	0.0024 mg/L	23:54:20

Mean Data: 1210235-09

Analyte	Mean Corrected		Calib Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
Y 371.029	3408589.3	1.09	mg/L	0.004				0.34%
Ag 328.068†	-228.3	-0.0017	mg/L	0.00066	-0.0017	mg/L	0.00066	39.39%
Al 237.313†	181.4	0.0007	mg/L	0.00017	0.0007	mg/L	0.00017	23.35%
As 188.979†	-5.3	-0.0023	mg/L	0.00252	-0.0023	mg/L	0.00252	108.45%
B 182.528†	39.6	0.0474	mg/L	0.00033	0.0474	mg/L	0.00033	0.69%
B 249.677†	49.5	0.0594	mg/L	0.00126	0.0594	mg/L	0.00126	2.12%
Ba 233.527†	3601.7	0.0310	mg/L	0.00006	0.0310	mg/L	0.00006	0.21%
Be 313.107†	280.4	0.0002	mg/L	0.00001	0.0002	mg/L	0.00001	3.17%
Ca 315.887†	1807373.8	12.84	mg/L	0.044	12.84	mg/L	0.044	0.34%
Cd 228.802†	1.8	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	>999.9%
Co 228.616†	-4.7	-0.0046	mg/L	0.00025	-0.0046	mg/L	0.00025	5.35%
Cr 267.716†	-6.2	-0.0006	mg/L	0.00004	-0.0006	mg/L	0.00004	6.14%
Cu 324.752†	210.7	-0.0011	mg/L	0.00018	-0.0011	mg/L	0.00018	16.97%
Fe 234.349†	15.2	0.0133	mg/L	0.00339	0.0133	mg/L	0.00339	25.55%
Fe 238.204†	2303.1	0.0055	mg/L	0.00012	0.0055	mg/L	0.00012	2.23%
K 766.490†	4073.3	3.081	mg/L	0.0437	3.081	mg/L	0.0437	1.42%
Li 670.784†	95.2	0.0066	mg/L	0.00015	0.0066	mg/L	0.00015	2.29%
Mg 279.077†	18169.6	1.046	mg/L	0.0122	1.046	mg/L	0.0122	1.17%
Mn 257.610†	15085.2	0.0154	mg/L	0.00014	0.0154	mg/L	0.00014	0.94%
Mo 202.031†	96.0	0.0041	mg/L	0.00010	0.0041	mg/L	0.00010	2.41%
Na 589.592†	84109.3	23.13	mg/L	0.267	23.13	mg/L	0.267	1.15%
Ni 231.604†	33.2	-0.0020	mg/L	0.00015	-0.0020	mg/L	0.00015	7.51%
P 214.914†	-10.1	0.0115	mg/L	0.00023	0.0115	mg/L	0.00023	1.96%
Pb 220.353†	-23.4	-0.0041	mg/L	0.00284	-0.0041	mg/L	0.00284	69.84%
Sb 206.836†	7.8	0.0030	mg/L	0.00345	0.0030	mg/L	0.00345	116.75%
Se 196.026†	5.6	0.0056	mg/L	0.00164	0.0056	mg/L	0.00164	29.25%
Sn 189.927†	-135.4	-0.0199	mg/L	0.00062	-0.0199	mg/L	0.00062	3.13%
Sr 407.771†	36542.4	0.0625	mg/L	0.00082	0.0625	mg/L	0.00082	1.32%
Ti 337.279†	360.8	0.0016	mg/L	0.00011	0.0016	mg/L	0.00011	6.96%
Tl 190.801†	2.5	-0.0045	mg/L	0.00095	-0.0045	mg/L	0.00095	20.99%
V 292.402†	118.2	0.0026	mg/L	0.00030	0.0026	mg/L	0.00030	11.42%
Zn 213.857†	3972.6	0.0235	mg/L	0.00017	0.0235	mg/L	0.00017	0.72%

Sequence No.: 101

Sample ID: 121011FILTBK

Analyst:

Initial Sample Wt:

Dilution:

Autosampler Location: 90

Date Collected: 10/11/2012 11:56:07 PM

Data Type: Original

Initial Sample Vol:

Sample Prep Vol:

Replicate Data: 121011FILTBK

Repl#	Analyte	Net		Corrected		Calib.		Sample		Analysis Time
		Intensity	Conc.	Intensity	Conc.	Conc.	Units	Conc.	Units	
1	B 249.677†	-0.1		-3.2		-0.0025	mg/L	-0.0025	mg/L	23:58:05
1	Fe 234.349†	6.1		1.2		0.0027	mg/L	0.0027	mg/L	23:58:05
1	K 766.490†	685.0		305.4		0.2725	mg/L	0.2725	mg/L	23:57:55
1	Li 670.784†	-154.9		51.0		0.0041	mg/L	0.0041	mg/L	23:57:55
1	Na 589.592†	413.2		661.7		0.1043	mg/L	0.1043	mg/L	23:57:55
1	Sr 407.771†	108.3		-12.0		0.0000	mg/L	0.0000	mg/L	23:57:55
1	Y 371.029	3496523.1		3496523.1		1.12	mg/L			23:58:29
1	Ag 328.068†	1975.8		-271.9		-0.0020	mg/L	-0.0020	mg/L	23:58:32
1	Al 237.313†	-208.3		-39.1		-0.0205	mg/L	-0.0205	mg/L	23:58:32
1	As 188.979†	12.4		3.2		0.0044	mg/L	0.0044	mg/L	23:58:42
1	B 182.528†	-6.2		1.1		0.0030	mg/L	0.0030	mg/L	23:58:42
1	Ba 233.527†	-69.7		4.2		-0.0015	mg/L	-0.0015	mg/L	23:58:42
1	Be 313.107†	-905.7		95.0		0.0001	mg/L	0.0001	mg/L	23:58:32
1	Ca 315.887†	6095.0		3915.4		0.0143	mg/L	0.0143	mg/L	23:58:32
1	Cd 228.802†	89.2		-13.2		-0.0004	mg/L	-0.0004	mg/L	23:58:42
1	Co 228.616†	-40.5		-1.7		-0.0045	mg/L	-0.0045	mg/L	23:58:42
1	Cr 267.716†	634.6		-68.4		-0.0011	mg/L	-0.0011	mg/L	23:58:32
1	Cu 324.752†	1939.3		-33.9		-0.0021	mg/L	-0.0021	mg/L	23:58:32
1	Fe 238.204†	1503.9		479.0		-0.0061	mg/L	-0.0061	mg/L	23:58:32
1	Mg 279.077†	440.8		67.9		-0.0233	mg/L	-0.0233	mg/L	23:58:32
1	Mn 257.610†	3599.0		2662.3		0.0009	mg/L	0.0009	mg/L	23:58:32
1	Mo 202.031†	-0.3		11.5		0.0008	mg/L	0.0008	mg/L	23:58:42
1	Ni 231.604†	46.5		31.9		-0.0020	mg/L	-0.0020	mg/L	23:58:32

1	P 214.914†	765.6	420.5	0.1859	mg/L	0.1859	mg/L	23:58:42
1	Pb 220.353†	-4.9	-18.2	-0.0037	mg/L	-0.0037	mg/L	23:58:42
1	Sb 206.836†	39.1	-0.7	-0.0019	mg/L	-0.0019	mg/L	23:58:42
1	Se 196.026†	1.5	3.2	0.0041	mg/L	0.0041	mg/L	23:58:42
1	Sn 189.927†	-3.2	-0.2	-0.0022	mg/L	-0.0022	mg/L	23:58:42
1	Ti 337.279†	-879.3	311.5	0.0016	mg/L	0.0016	mg/L	23:58:32
1	Tl 190.801†	5.0	-3.2	-0.0077	mg/L	-0.0077	mg/L	23:58:42
1	V 292.402†	-1041.9	-9.0	0.0020	mg/L	0.0020	mg/L	23:58:32
1	Zn 213.857†	1363.7	132.4	-0.0025	mg/L	-0.0025	mg/L	23:58:42
2	B 249.677†	3.7	0.1	0.0013	mg/L	0.0013	mg/L	23:58:26
2	Fe 234.349†	9.9	4.5	0.0079	mg/L	0.0079	mg/L	23:58:26
2	K 766.490†	684.0	299.0	0.2677	mg/L	0.2677	mg/L	23:58:16
2	Li 670.784†	-145.8	60.3	0.0046	mg/L	0.0046	mg/L	23:58:16
2	Na 589.592†	397.6	644.5	0.0996	mg/L	0.0996	mg/L	23:58:16
2	Sr 407.771†	128.5	5.1	0.0000	mg/L	0.0000	mg/L	23:58:16
2	Y 371.029	3528598.6	3528598.6	1.13	mg/L			23:58:44
2	Ag 328.068†	1921.0	-336.5	-0.0024	mg/L	-0.0024	mg/L	23:58:46
2	Al 237.313†	-244.3	-69.3	-0.0234	mg/L	-0.0234	mg/L	23:58:46
2	As 188.979†	10.4	1.3	0.0029	mg/L	0.0029	mg/L	23:58:57
2	B 182.528†	-7.0	0.5	0.0024	mg/L	0.0024	mg/L	23:58:57
2	Ba 233.527†	-79.2	-3.6	-0.0016	mg/L	-0.0016	mg/L	23:58:57
2	Be 313.107†	-815.4	182.4	0.0002	mg/L	0.0002	mg/L	23:58:46
2	Ca 315.887†	5854.2	3652.5	0.0124	mg/L	0.0124	mg/L	23:58:46
2	Cd 228.802†	90.2	-13.0	-0.0004	mg/L	-0.0004	mg/L	23:58:57
2	Co 228.616†	-38.1	0.7	-0.0045	mg/L	-0.0045	mg/L	23:58:57
2	Cr 267.716†	578.5	-123.2	-0.0015	mg/L	-0.0015	mg/L	23:58:46
2	Cu 324.752†	2059.3	56.7	-0.0017	mg/L	-0.0017	mg/L	23:58:46
2	Fe 238.204†	1454.9	423.3	-0.0065	mg/L	-0.0065	mg/L	23:58:46
2	Mg 279.077†	447.3	70.1	-0.0232	mg/L	-0.0232	mg/L	23:58:46
2	Mn 257.610†	3570.4	2607.7	0.0009	mg/L	0.0009	mg/L	23:58:46
2	Mo 202.031†	2.6	14.1	0.0009	mg/L	0.0009	mg/L	23:58:57
2	Ni 231.604†	42.9	28.3	-0.0021	mg/L	-0.0021	mg/L	23:58:46
2	P 214.914†	775.5	423.1	0.1869	mg/L	0.1869	mg/L	23:58:57
2	Pb 220.353†	13.2	-2.1	-0.0027	mg/L	-0.0027	mg/L	23:58:57
2	Sb 206.836†	37.0	-2.9	-0.0031	mg/L	-0.0031	mg/L	23:58:57
2	Se 196.026†	-1.9	0.2	0.0022	mg/L	0.0022	mg/L	23:58:57
2	Sn 189.927†	-2.4	0.6	-0.0021	mg/L	-0.0021	mg/L	23:58:57
2	Ti 337.279†	-865.3	331.0	0.0016	mg/L	0.0016	mg/L	23:58:46
2	Tl 190.801†	7.5	-1.1	-0.0065	mg/L	-0.0065	mg/L	23:58:57
2	V 292.402†	-959.0	72.9	0.0024	mg/L	0.0024	mg/L	23:58:46
2	Zn 213.857†	1363.1	120.8	-0.0026	mg/L	-0.0026	mg/L	23:58:57

Mean Data: 121011FILTBK

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	3512560.9	1.12	mg/L	0.007				0.65%
Ag 328.068†	-304.2	-0.0022	mg/L	0.00028	-0.0022	mg/L	0.00028	13.17%
Al 237.313†	-54.2	-0.0220	mg/L	0.00206	-0.0220	mg/L	0.00206	9.38%
As 188.979†	2.3	0.0036	mg/L	0.00106	0.0036	mg/L	0.00106	29.17%
B 182.528†	0.8	0.0027	mg/L	0.00047	0.0027	mg/L	0.00047	17.52%
B 249.677†	-1.5	-0.0006	mg/L	0.00274	-0.0006	mg/L	0.00274	465.80%
Ba 233.527†	0.3	-0.0016	mg/L	0.00005	-0.0016	mg/L	0.00005	3.22%
Be 313.107†	138.7	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	20.95%
Ca 315.887†	3783.9	0.0133	mg/L	0.00132	0.0133	mg/L	0.00132	9.91%
Cd 228.802†	-13.1	-0.0004	mg/L	0.00001	-0.0004	mg/L	0.00001	2.07%
Co 228.616†	-0.5	-0.0045	mg/L	0.00003	-0.0045	mg/L	0.00003	0.66%
Cr 267.716†	-95.8	-0.0013	mg/L	0.00031	-0.0013	mg/L	0.00031	23.83%
Cu 324.752†	11.4	-0.0019	mg/L	0.00028	-0.0019	mg/L	0.00028	14.64%
Fe 234.349†	2.9	0.0053	mg/L	0.00370	0.0053	mg/L	0.00370	69.28%
Fe 238.204†	451.1	-0.0063	mg/L	0.00025	-0.0063	mg/L	0.00025	3.96%
K 766.490†	302.2	0.2701	mg/L	0.00337	0.2701	mg/L	0.00337	1.25%
Li 670.784†	55.7	0.0043	mg/L	0.00038	0.0043	mg/L	0.00038	8.72%
Mg 279.077†	69.0	-0.0233	mg/L	0.00009	-0.0233	mg/L	0.00009	0.40%
Mn 257.610†	2635.0	0.0009	mg/L	0.00004	0.0009	mg/L	0.00004	4.98%
Mo 202.031†	12.8	0.0008	mg/L	0.00007	0.0008	mg/L	0.00007	8.17%
Na 589.592†	653.1	0.1019	mg/L	0.00335	0.1019	mg/L	0.00335	3.28%
Ni 231.604†	30.1	-0.0021	mg/L	0.00005	-0.0021	mg/L	0.00005	2.63%
P 214.914†	421.8	0.1864	mg/L	0.00073	0.1864	mg/L	0.00073	0.39%
Pb 220.353†	-10.2	-0.0032	mg/L	0.00068	-0.0032	mg/L	0.00068	21.08%
Sb 206.836†	-1.8	-0.0025	mg/L	0.00089	-0.0025	mg/L	0.00089	35.72%
Se 196.026†	1.7	0.0031	mg/L	0.00135	0.0031	mg/L	0.00135	42.92%
Sn 189.927†	0.2	-0.0022	mg/L	0.00008	-0.0022	mg/L	0.00008	3.56%

Sr 407.771†	-3.5	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	>999.9%
Ti 337.279†	321.2	0.0016 mg/L	0.00002	0.0016 mg/L	0.00002	1.05%
Tl 190.801†	-2.1	-0.0071 mg/L	0.00084	-0.0071 mg/L	0.00084	11.90%
V 292.402†	32.0	0.0022 mg/L	0.00026	0.0022 mg/L	0.00026	11.99%
Zn 213.857†	126.6	-0.0025 mg/L	0.00006	-0.0025 mg/L	0.00006	2.20%

Sequence No.: 102
Sample ID: CCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/12/2012 12:00:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc. Units	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	468.7	434.8	0.5109 mg/L	0.5109 mg/L	0.5109 mg/L	00:02:25
1	Fe 234.349†	1740.7	1622.2	2.550 mg/L	2.550 mg/L	2.550 mg/L	00:02:25
1	K 766.490†	35604.8	32960.3	24.61 mg/L	24.61 mg/L	24.61 mg/L	00:02:15
1	Li 670.784†	9063.0	8657.6	0.4987 mg/L	0.4987 mg/L	0.4987 mg/L	00:02:25
1	Na 589.592†	96290.3	90261.4	24.83 mg/L	24.83 mg/L	24.83 mg/L	00:02:15
1	Sr 407.771†	31146.5	28993.1	0.0496 mg/L	0.0496 mg/L	0.0496 mg/L	00:02:15
1	Y 371.029	3347006.1	3347006.1	1.07 mg/L	1.07 mg/L	1.07 mg/L	00:02:43
1	Ag 328.068†	45069.8	40072.2	0.2486 mg/L	0.2486 mg/L	0.2486 mg/L	00:02:43
1	Al 237.313†	28237.8	26531.3	2.543 mg/L	2.543 mg/L	2.543 mg/L	00:02:54
1	As 188.979†	696.6	643.1	0.5045 mg/L	0.5045 mg/L	0.5045 mg/L	00:02:54
1	B 182.528†	465.5	441.6	0.5106 mg/L	0.5106 mg/L	0.5106 mg/L	00:02:54
1	Ba 233.527†	60007.5	56134.8	0.5050 mg/L	0.5050 mg/L	0.5050 mg/L	00:02:43
1	Be 313.107†	110658.1	104299.0	0.0504 mg/L	0.0504 mg/L	0.0504 mg/L	00:02:43
1	Ca 315.887†	757802.8	706520.6	5.015 mg/L	5.015 mg/L	5.015 mg/L	00:02:43
1	Cd 228.802†	10124.6	9366.9	0.2460 mg/L	0.2460 mg/L	0.2460 mg/L	00:02:54
1	Co 228.616†	31572.5	29534.4	0.5097 mg/L	0.5097 mg/L	0.5097 mg/L	00:02:54
1	Cr 267.716†	67348.6	62291.5	0.5019 mg/L	0.5019 mg/L	0.5019 mg/L	00:02:43
1	Cu 324.752†	123590.9	113709.3	0.5011 mg/L	0.5011 mg/L	0.5011 mg/L	00:02:43
1	Fe 238.204†	424894.1	396135.6	2.517 mg/L	2.517 mg/L	2.517 mg/L	00:02:43
1	Mg 279.077†	92689.6	86278.7	5.071 mg/L	5.071 mg/L	5.071 mg/L	00:02:43
1	Mn 257.610†	464193.0	433164.2	0.5008 mg/L	0.5008 mg/L	0.5008 mg/L	00:02:43
1	Mo 202.031†	13586.0	12706.0	0.4911 mg/L	0.4911 mg/L	0.4911 mg/L	00:02:54
1	Ni 231.604†	25789.2	24086.6	0.5075 mg/L	0.5075 mg/L	0.5075 mg/L	00:02:43
1	P 214.914†	13500.1	12349.7	5.010 mg/L	5.010 mg/L	5.010 mg/L	00:02:54
1	Pb 220.353†	9072.7	8463.4	0.5020 mg/L	0.5020 mg/L	0.5020 mg/L	00:02:54
1	Sb 206.836†	982.5	882.3	0.4967 mg/L	0.4967 mg/L	0.4967 mg/L	00:02:54
1	Se 196.026†	1698.9	1589.4	1.010 mg/L	1.010 mg/L	1.010 mg/L	00:02:54
1	Sn 189.927†	4071.5	3806.9	0.5055 mg/L	0.5055 mg/L	0.5055 mg/L	00:02:54
1	Ti 337.279†	442112.8	414188.1	0.4968 mg/L	0.4968 mg/L	0.4968 mg/L	00:02:43
1	Tl 190.801†	972.9	901.4	0.4873 mg/L	0.4873 mg/L	0.4873 mg/L	00:02:54
1	V 292.402†	115062.9	108432.4	0.5049 mg/L	0.5049 mg/L	0.5049 mg/L	00:02:43
1	Zn 213.857†	80216.1	73863.0	0.4925 mg/L	0.4925 mg/L	0.4925 mg/L	00:02:43
2	B 249.677†	471.5	437.8	0.5144 mg/L	0.5144 mg/L	0.5144 mg/L	00:02:38
2	Fe 234.349†	1736.3	1619.6	2.545 mg/L	2.545 mg/L	2.545 mg/L	00:02:38
2	K 766.490†	35748.6	33124.3	24.73 mg/L	24.73 mg/L	24.73 mg/L	00:02:28
2	Li 670.784†	9072.2	8673.8	0.4996 mg/L	0.4996 mg/L	0.4996 mg/L	00:02:38
2	Na 589.592†	96825.7	90842.0	24.99 mg/L	24.99 mg/L	24.99 mg/L	00:02:28
2	Sr 407.771†	31314.6	29176.1	0.0499 mg/L	0.0499 mg/L	0.0499 mg/L	00:02:28
2	Y 371.029	3344037.8	3344037.8	1.07 mg/L	1.07 mg/L	1.07 mg/L	00:02:57
2	Ag 328.068†	45098.6	40136.5	0.2490 mg/L	0.2490 mg/L	0.2490 mg/L	00:02:57
2	Al 237.313†	27951.7	26287.2	2.520 mg/L	2.520 mg/L	2.520 mg/L	00:03:07
2	As 188.979†	689.9	637.4	0.5000 mg/L	0.5000 mg/L	0.5000 mg/L	00:03:07
2	B 182.528†	463.2	439.8	0.5086 mg/L	0.5086 mg/L	0.5086 mg/L	00:03:07
2	Ba 233.527†	60186.5	56352.0	0.5070 mg/L	0.5070 mg/L	0.5070 mg/L	00:02:57
2	Be 313.107†	111039.6	104747.5	0.0506 mg/L	0.0506 mg/L	0.0506 mg/L	00:02:57
2	Ca 315.887†	761825.3	710910.8	5.046 mg/L	5.046 mg/L	5.046 mg/L	00:02:57
2	Cd 228.802†	10053.5	9308.9	0.2445 mg/L	0.2445 mg/L	0.2445 mg/L	00:03:07
2	Co 228.616†	31340.8	29343.8	0.5063 mg/L	0.5063 mg/L	0.5063 mg/L	00:03:07
2	Cr 267.716†	67612.4	62594.1	0.5043 mg/L	0.5043 mg/L	0.5043 mg/L	00:02:57
2	Cu 324.752†	123732.5	113944.2	0.5022 mg/L	0.5022 mg/L	0.5022 mg/L	00:02:57
2	Fe 238.204†	426940.8	398402.0	2.531 mg/L	2.531 mg/L	2.531 mg/L	00:02:57
2	Mg 279.077†	93266.6	86895.1	5.107 mg/L	5.107 mg/L	5.107 mg/L	00:02:57
2	Mn 257.610†	466162.2	435390.7	0.5034 mg/L	0.5034 mg/L	0.5034 mg/L	00:02:57
2	Mo 202.031†	13514.7	12650.6	0.4889 mg/L	0.4889 mg/L	0.4889 mg/L	00:03:07
2	Ni 231.604†	26027.0	24330.3	0.5126 mg/L	0.5126 mg/L	0.5126 mg/L	00:02:57
2	P 214.914†	13425.7	12291.3	4.986 mg/L	4.986 mg/L	4.986 mg/L	00:03:07

2	Pb 220.353†	9022.6	8424.0	0.4996 mg/L	0.4996 mg/L	00:03:07
2	Sb 206.836†	983.4	884.0	0.4977 mg/L	0.4977 mg/L	00:03:07
2	Se 196.026†	1683.9	1576.7	1.002 mg/L	1.002 mg/L	00:03:07
2	Sn 189.927†	4065.2	3804.4	0.5052 mg/L	0.5052 mg/L	00:03:07
2	Ti 337.279†	442891.9	415283.3	0.4981 mg/L	0.4981 mg/L	00:02:57
2	Tl 190.801†	979.3	908.1	0.4911 mg/L	0.4911 mg/L	00:03:07
2	V 292.402†	115394.7	108838.1	0.5067 mg/L	0.5067 mg/L	00:02:57
2	Zn 213.857†	80686.9	74369.8	0.4959 mg/L	0.4959 mg/L	00:02:57

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3345522.0	1.07 mg/L	0.001			0.06%
Ag 328.068†	40104.3	0.2488 mg/L	0.00028	0.2488 mg/L	0.00028	0.11%
QC value within limits for Ag 328.068		Recovery = 99.52%				
Al 237.313†	26409.3	2.531 mg/L	0.0166	2.531 mg/L	0.0166	0.66%
QC value within limits for Al 237.313		Recovery = 101.26%				
As 188.979†	640.2	0.5022 mg/L	0.00315	0.5022 mg/L	0.00315	0.63%
QC value within limits for As 188.979		Recovery = 100.45%				
B 182.528†	440.7	0.5096 mg/L	0.00142	0.5096 mg/L	0.00142	0.28%
QC value within limits for B 182.528		Recovery = 101.92%				
B 249.677†	436.3	0.5127 mg/L	0.00247	0.5127 mg/L	0.00247	0.48%
QC value within limits for B 249.677		Recovery = 102.53%				
Ba 233.527†	56243.4	0.5060 mg/L	0.00139	0.5060 mg/L	0.00139	0.27%
QC value within limits for Ba 233.527		Recovery = 101.20%				
Be 313.107†	104523.2	0.0505 mg/L	0.00015	0.0505 mg/L	0.00015	0.30%
QC value within limits for Be 313.107		Recovery = 100.96%				
Ca 315.887†	708715.7	5.031 mg/L	0.0221	5.031 mg/L	0.0221	0.44%
QC value within limits for Ca 315.887		Recovery = 100.61%				
Cd 228.802†	9337.9	0.2452 mg/L	0.00107	0.2452 mg/L	0.00107	0.44%
QC value within limits for Cd 228.802		Recovery = 98.09%				
Co 228.616†	29439.1	0.5080 mg/L	0.00235	0.5080 mg/L	0.00235	0.46%
QC value within limits for Co 228.616		Recovery = 101.60%				
Cr 267.716†	62442.8	0.5031 mg/L	0.00172	0.5031 mg/L	0.00172	0.34%
QC value within limits for Cr 267.716		Recovery = 100.62%				
Cu 324.752†	113826.7	0.5016 mg/L	0.00074	0.5016 mg/L	0.00074	0.15%
QC value within limits for Cu 324.752		Recovery = 100.33%				
Fe 234.349†	1620.9	2.548 mg/L	0.0030	2.548 mg/L	0.0030	0.12%
QC value within limits for Fe 234.349		Recovery = 101.90%				
Fe 238.204†	397268.8	2.524 mg/L	0.0102	2.524 mg/L	0.0102	0.40%
QC value within limits for Fe 238.204		Recovery = 100.97%				
K 766.490†	33042.3	24.67 mg/L	0.086	24.67 mg/L	0.086	0.35%
QC value within limits for K 766.490		Recovery = 98.68%				
Li 670.784†	8665.7	0.4992 mg/L	0.00066	0.4992 mg/L	0.00066	0.13%
QC value within limits for Li 670.784		Recovery = 99.83%				
Mg 279.077†	86586.9	5.089 mg/L	0.0258	5.089 mg/L	0.0258	0.51%
QC value within limits for Mg 279.077		Recovery = 101.78%				
Mn 257.610†	434277.5	0.5021 mg/L	0.00183	0.5021 mg/L	0.00183	0.36%
QC value within limits for Mn 257.610		Recovery = 100.41%				
Mo 202.031†	12678.3	0.4900 mg/L	0.00152	0.4900 mg/L	0.00152	0.31%
QC value within limits for Mo 202.031		Recovery = 98.00%				
Na 589.592†	90551.7	24.91 mg/L	0.113	24.91 mg/L	0.113	0.45%
QC value within limits for Na 589.592		Recovery = 99.64%				
Ni 231.604†	24208.5	0.5100 mg/L	0.00364	0.5100 mg/L	0.00364	0.71%
QC value within limits for Ni 231.604		Recovery = 102.01%				
P 214.914†	12320.5	4.998 mg/L	0.0167	4.998 mg/L	0.0167	0.33%
QC value within limits for P 214.914		Recovery = 99.96%				
Pb 220.353†	8443.7	0.5008 mg/L	0.00166	0.5008 mg/L	0.00166	0.33%
QC value within limits for Pb 220.353		Recovery = 100.16%				
Sb 206.836†	883.1	0.4972 mg/L	0.00069	0.4972 mg/L	0.00069	0.14%
QC value within limits for Sb 206.836		Recovery = 99.45%				
Se 196.026†	1583.0	1.006 mg/L	0.0057	1.006 mg/L	0.0057	0.57%
QC value within limits for Se 196.026		Recovery = 100.62%				
Sn 189.927†	3805.6	0.5053 mg/L	0.00024	0.5053 mg/L	0.00024	0.05%
QC value within limits for Sn 189.927		Recovery = 101.07%				
Sr 407.771†	29084.6	0.0497 mg/L	0.00022	0.0497 mg/L	0.00022	0.44%
QC value within limits for Sr 407.771		Recovery = 99.50%				
Ti 337.279†	414735.7	0.4975 mg/L	0.00093	0.4975 mg/L	0.00093	0.19%
QC value within limits for Ti 337.279		Recovery = 99.50%				
Tl 190.801†	904.7	0.4892 mg/L	0.00264	0.4892 mg/L	0.00264	0.54%
QC value within limits for Tl 190.801		Recovery = 97.84%				
V 292.402†	108635.3	0.5058 mg/L	0.00131	0.5058 mg/L	0.00131	0.26%

QC value within limits for V 292.402 Recovery = 101.16%
 Zn 213.857† 74116.4 0.4942 mg/L 0.00240 0.4942 mg/L 0.00240 0.49%
 QC value within limits for Zn 213.857 Recovery = 98.83%
 All analyte(s) passed QC.

Sequence No.: 103 Autosampler Location: 1
 Sample ID: CCB1 Date Collected: 10/12/2012 12:04:46 AM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: CCB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	0.4	-2.8	-0.0021	mg/L	-0.0021 mg/L	00:06:46
1	Fe 234.349†	-3.7	-7.5	-0.0109	mg/L	-0.0109 mg/L	00:06:46
1	K 766.490†	358.9	9.8	0.0521	mg/L	0.0521 mg/L	00:06:36
1	Li 670.784†	-145.3	61.2	0.0046	mg/L	0.0046 mg/L	00:06:36
1	Na 589.592†	199.4	468.2	0.0509	mg/L	0.0509 mg/L	00:06:36
1	Sr 407.771†	113.5	-8.5	0.0000	mg/L	0.0000 mg/L	00:06:36
1	Y 371.029	3540519.4	3540519.4	1.13	mg/L		00:07:10
1	Ag 328.068†	1992.2	-279.4	-0.0020	mg/L	-0.0020 mg/L	00:07:13
1	Al 237.313†	-95.2	63.2	-0.0107	mg/L	-0.0107 mg/L	00:07:13
1	As 188.979†	13.1	3.7	0.0047	mg/L	0.0047 mg/L	00:07:23
1	B 182.528†	-8.3	-0.7	0.0010	mg/L	0.0010 mg/L	00:07:23
1	Ba 233.527†	-62.8	11.1	-0.0015	mg/L	-0.0015 mg/L	00:07:23
1	Be 313.107†	-877.5	130.0	0.0001	mg/L	0.0001 mg/L	00:07:13
1	Ca 315.887†	545.4	-1054.2	-0.0211	mg/L	-0.0211 mg/L	00:07:13
1	Cd 228.802†	99.5	-5.1	-0.0002	mg/L	-0.0002 mg/L	00:07:23
1	Co 228.616†	-25.2	12.2	-0.0043	mg/L	-0.0043 mg/L	00:07:23
1	Cr 267.716†	677.7	-37.3	-0.0008	mg/L	-0.0008 mg/L	00:07:13
1	Cu 324.752†	1972.1	-26.5	-0.0021	mg/L	-0.0021 mg/L	00:07:13
1	Fe 238.204†	649.4	-292.5	-0.0111	mg/L	-0.0111 mg/L	00:07:23
1	Mg 279.077†	269.5	-88.2	-0.0326	mg/L	-0.0326 mg/L	00:07:13
1	Mn 257.610†	651.6	18.9	-0.0021	mg/L	-0.0021 mg/L	00:07:13
1	Mo 202.031†	6.9	17.8	0.0010	mg/L	0.0010 mg/L	00:07:23
1	Ni 231.604†	26.5	13.8	-0.0024	mg/L	-0.0024 mg/L	00:07:13
1	P 214.914†	229.7	-61.3	-0.0093	mg/L	-0.0093 mg/L	00:07:23
1	Pb 220.353†	-7.4	-20.3	-0.0038	mg/L	-0.0038 mg/L	00:07:23
1	Sb 206.836†	38.1	-2.1	-0.0026	mg/L	-0.0026 mg/L	00:07:23
1	Se 196.026†	3.8	5.3	0.0054	mg/L	0.0054 mg/L	00:07:23
1	Sn 189.927†	2.4	4.8	-0.0016	mg/L	-0.0016 mg/L	00:07:23
1	Ti 337.279†	-840.2	355.7	0.0016	mg/L	0.0016 mg/L	00:07:13
1	Tl 190.801†	9.0	0.3	-0.0057	mg/L	-0.0057 mg/L	00:07:23
1	V 292.402†	-1046.8	-1.7	0.0021	mg/L	0.0021 mg/L	00:07:13
1	Zn 213.857†	1169.7	-54.1	-0.0038	mg/L	-0.0038 mg/L	00:07:23
2	B 249.677†	4.4	0.9	0.0022	mg/L	0.0022 mg/L	00:07:07
2	Fe 234.349†	0.9	-3.4	-0.0046	mg/L	-0.0046 mg/L	00:07:07
2	K 766.490†	351.0	10.1	0.0524	mg/L	0.0524 mg/L	00:06:57
2	Li 670.784†	-147.8	55.9	0.0043	mg/L	0.0043 mg/L	00:06:57
2	Na 589.592†	192.2	465.9	0.0503	mg/L	0.0503 mg/L	00:06:57
2	Sr 407.771†	99.0	-19.3	0.0000	mg/L	0.0000 mg/L	00:06:57
2	Y 371.029	3458377.0	3458377.0	1.11	mg/L		00:07:25
2	Ag 328.068†	2048.2	-186.9	-0.0014	mg/L	-0.0014 mg/L	00:07:27
2	Al 237.313†	-232.0	-62.6	-0.0228	mg/L	-0.0228 mg/L	00:07:27
2	As 188.979†	13.9	4.7	0.0055	mg/L	0.0055 mg/L	00:07:38
2	B 182.528†	-8.6	-1.1	0.0005	mg/L	0.0005 mg/L	00:07:38
2	Ba 233.527†	-61.8	10.6	-0.0015	mg/L	-0.0015 mg/L	00:07:38
2	Be 313.107†	-912.4	80.0	0.0001	mg/L	0.0001 mg/L	00:07:27
2	Ca 315.887†	482.0	-1100.1	-0.0214	mg/L	-0.0214 mg/L	00:07:27
2	Cd 228.802†	98.3	-4.1	-0.0002	mg/L	-0.0002 mg/L	00:07:38
2	Co 228.616†	-39.2	-1.0	-0.0045	mg/L	-0.0045 mg/L	00:07:38
2	Cr 267.716†	715.6	11.2	-0.0004	mg/L	-0.0004 mg/L	00:07:27
2	Cu 324.752†	1897.6	-52.5	-0.0022	mg/L	-0.0022 mg/L	00:07:27
2	Fe 238.204†	569.6	-351.1	-0.0114	mg/L	-0.0114 mg/L	00:07:38
2	Mg 279.077†	260.0	-91.2	-0.0327	mg/L	-0.0327 mg/L	00:07:27
2	Mn 257.610†	568.9	-42.2	-0.0022	mg/L	-0.0022 mg/L	00:07:27
2	Mo 202.031†	21.0	30.8	0.0015	mg/L	0.0015 mg/L	00:07:38
2	Ni 231.604†	-19.2	-27.1	-0.0033	mg/L	-0.0033 mg/L	00:07:27
2	P 214.914†	263.2	-26.2	0.0050	mg/L	0.0050 mg/L	00:07:38
2	Pb 220.353†	10.4	-4.3	-0.0029	mg/L	-0.0029 mg/L	00:07:38

2	Sb 206.836†	38.0	-1.4	-0.0022 mg/L	-0.0022 mg/L	00:07:38
2	Se 196.026†	0.7	2.6	0.0037 mg/L	0.0037 mg/L	00:07:38
2	Sn 189.927†	8.0	9.9	-0.0009 mg/L	-0.0009 mg/L	00:07:38
2	Ti 337.279†	-1164.4	45.0	0.0012 mg/L	0.0012 mg/L	00:07:27
2	Tl 190.801†	1.7	-6.2	-0.0093 mg/L	-0.0093 mg/L	00:07:38
2	V 292.402†	-997.8	20.6	0.0022 mg/L	0.0022 mg/L	00:07:27
2	Zn 213.857†	1128.9	-66.5	-0.0038 mg/L	-0.0038 mg/L	00:07:38

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	3499448.2	1.12 mg/L		0.019			1.66%
Ag 328.068†	-233.1	-0.0017 mg/L		0.00041	-0.0017 mg/L	0.00041	23.72%
	QC value within limits for Ag 328.068	Recovery =	Not calculated				
Al 237.313†	0.3	-0.0167 mg/L		0.00856	-0.0167 mg/L	0.00856	51.23%
	QC value within limits for Al 237.313	Recovery =	Not calculated				
As 188.979†	4.2	0.0051 mg/L		0.00058	0.0051 mg/L	0.00058	11.38%
	QC value within limits for As 188.979	Recovery =	Not calculated				
B 182.528†	-0.9	0.0008 mg/L		0.00033	0.0008 mg/L	0.00033	43.81%
	QC value within limits for B 182.528	Recovery =	Not calculated				
B 249.677†	-1.0	0.0001 mg/L		0.00303	0.0001 mg/L	0.00303	>999.9%
	QC value within limits for B 249.677	Recovery =	Not calculated				
Ba 233.527†	10.8	-0.0015 mg/L		0.00000	-0.0015 mg/L	0.00000	0.21%
	QC value within limits for Ba 233.527	Recovery =	Not calculated				
Be 313.107†	105.0	0.0001 mg/L		0.00002	0.0001 mg/L	0.00002	13.50%
	QC value within limits for Be 313.107	Recovery =	Not calculated				
Ca 315.887†	-1077.1	-0.0213 mg/L		0.00023	-0.0213 mg/L	0.00023	1.09%
	QC value within limits for Ca 315.887	Recovery =	Not calculated				
Cd 228.802†	-4.6	-0.0002 mg/L		0.00002	-0.0002 mg/L	0.00002	8.63%
	QC value within limits for Cd 228.802	Recovery =	Not calculated				
Co 228.616†	5.6	-0.0044 mg/L		0.00016	-0.0044 mg/L	0.00016	3.66%
	QC value less than the lower limit for Co 228.616	Recovery =	Not calculated				
Cr 267.716†	-13.1	-0.0006 mg/L		0.00028	-0.0006 mg/L	0.00028	42.95%
	QC value within limits for Cr 267.716	Recovery =	Not calculated				
Cu 324.752†	-39.5	-0.0022 mg/L		0.00008	-0.0022 mg/L	0.00008	3.77%
	QC value within limits for Cu 324.752	Recovery =	Not calculated				
Fe 234.349†	-5.4	-0.0078 mg/L		0.00449	-0.0078 mg/L	0.00449	57.85%
	QC value within limits for Fe 234.349	Recovery =	Not calculated				
Fe 238.204†	-321.8	-0.0112 mg/L		0.00026	-0.0112 mg/L	0.00026	2.35%
	QC value within limits for Fe 238.204	Recovery =	Not calculated				
K 766.490†	9.9	0.0523 mg/L		0.00019	0.0523 mg/L	0.00019	0.37%
	QC value within limits for K 766.490	Recovery =	Not calculated				
Li 670.784†	58.5	0.0045 mg/L		0.00022	0.0045 mg/L	0.00022	4.82%
	QC value within limits for Li 670.784	Recovery =	Not calculated				
Mg 279.077†	-89.7	-0.0327 mg/L		0.00012	-0.0327 mg/L	0.00012	0.38%
	QC value less than the lower limit for Mg 279.077	Recovery =	Not calculated				
Mn 257.610†	-11.7	-0.0022 mg/L		0.00005	-0.0022 mg/L	0.00005	2.31%
	QC value within limits for Mn 257.610	Recovery =	Not calculated				
Mo 202.031†	24.3	0.0013 mg/L		0.00035	0.0013 mg/L	0.00035	27.17%
	QC value within limits for Mo 202.031	Recovery =	Not calculated				
Na 589.592†	467.1	0.0506 mg/L		0.00046	0.0506 mg/L	0.00046	0.91%
	QC value within limits for Na 589.592	Recovery =	Not calculated				
Ni 231.604†	-6.7	-0.0028 mg/L		0.00061	-0.0028 mg/L	0.00061	21.45%
	QC value less than the lower limit for Ni 231.604	Recovery =	Not calculated				
P 214.914†	-43.7	-0.0021 mg/L		0.01006	-0.0021 mg/L	0.01006	468.95%
	QC value within limits for P 214.914	Recovery =	Not calculated				
Pb 220.353†	-12.3	-0.0034 mg/L		0.00068	-0.0034 mg/L	0.00068	20.19%
	QC value within limits for Pb 220.353	Recovery =	Not calculated				
Sb 206.836†	-1.7	-0.0024 mg/L		0.00027	-0.0024 mg/L	0.00027	11.31%
	QC value within limits for Sb 206.836	Recovery =	Not calculated				
Se 196.026†	3.9	0.0045 mg/L		0.00122	0.0045 mg/L	0.00122	26.91%
	QC value within limits for Se 196.026	Recovery =	Not calculated				
Sn 189.927†	7.4	-0.0013 mg/L		0.00049	-0.0013 mg/L	0.00049	37.90%
	QC value within limits for Sn 189.927	Recovery =	Not calculated				
Sr 407.771†	-13.9	0.0000 mg/L		0.00001	0.0000 mg/L	0.00001	72.42%
	QC value within limits for Sr 407.771	Recovery =	Not calculated				
Ti 337.279†	200.4	0.0014 mg/L		0.00026	0.0014 mg/L	0.00026	18.52%
	QC value greater than the upper limit for Ti 337.279	Recovery =	Not calculated				
Tl 190.801†	-3.0	-0.0075 mg/L		0.00253	-0.0075 mg/L	0.00253	33.53%
	QC value within limits for Tl 190.801	Recovery =	Not calculated				
V 292.402†	9.4	0.0021 mg/L		0.00008	0.0021 mg/L	0.00008	3.61%
	QC value greater than the upper limit for V 292.402	Recovery =	Not calculated				

Zn 213.857† -60.3 -0.0038 mg/L 0.00006 -0.0038 mg/L 0.00006 1.47%
 QC value within limits for Zn 213.857 Recovery= Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 104 Autosampler Location: 160
 Sample ID: IFA Date Collected: 10/12/2012 12:09:15 AM
 Analyst: Data Type: Original
 Initial Sample Wt: Initial Sample Vol:
 Dilution: Sample Prep Vol:

Replicate Data: IFA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	B 249.677†	-2.9	-6.1	-0.0060	mg/L	-0.0060	mg/L	00:11:05
1	Fe 234.349†	59122.7	60125.2	94.70	mg/L	94.70	mg/L	00:10:55
1	K 766.490†	393.1	92.6	0.1139	mg/L	0.1139	mg/L	00:11:05
1	Li 670.784†	-138.2	49.0	0.0039	mg/L	0.0039	mg/L	00:11:05
1	Na 589.592†	377.0	675.6	0.1081	mg/L	0.1081	mg/L	00:11:05
1	Sr 407.771†	696.9	600.0	0.0010	mg/L	0.0010	mg/L	00:11:05
1	Y 371.029	3074932.1	3074932.1	0.983	mg/L			00:11:27
1	Ag 328.068†	785.9	-1239.7	-0.0006	mg/L	-0.0006	mg/L	00:11:29
1	Al 237.313†	2427994.8	2469484.7	237.8	mg/L	237.8	mg/L	00:11:27
1	As 188.979†	-1.3	-9.2	0.0345	mg/L	0.0345	mg/L	00:11:40
1	B 182.528†	5.5	12.2	0.0159	mg/L	0.0159	mg/L	00:11:40
1	Ba 233.527†	139.4	208.3	0.0003	mg/L	0.0003	mg/L	00:11:40
1	Be 313.107†	-571.5	323.8	0.0002	mg/L	0.0002	mg/L	00:11:29
1	Ca 315.887†	31490358.7	32025024.9	227.8	mg/L	227.8	mg/L	00:11:24
1	Cd 228.802†	129.5	38.7	0.0010	mg/L	0.0010	mg/L	00:11:40
1	Co 228.616†	1015.6	1067.4	-0.0047	mg/L	-0.0047	mg/L	00:11:40
1	Cr 267.716†	740.3	116.9	0.0004	mg/L	0.0004	mg/L	00:11:40
1	Cu 324.752†	147.8	-1618.1	-0.0016	mg/L	-0.0016	mg/L	00:11:29
1	Fe 238.204†	12630286.9	12844483.0	81.88	mg/L	81.88	mg/L	00:11:24
1	Mg 279.077†	3845145.8	3910292.7	231.0	mg/L	231.0	mg/L	00:11:27
1	Mn 257.610†	2591.2	2078.6	0.0003	mg/L	0.0003	mg/L	00:11:29
1	Mo 202.031†	349.7	367.4	-0.0149	mg/L	-0.0149	mg/L	00:11:40
1	Ni 231.604†	45.9	36.9	-0.0019	mg/L	-0.0019	mg/L	00:11:40
1	P 214.914†	-373.2	-643.7	-0.0213	mg/L	-0.0213	mg/L	00:11:40
1	Pb 220.353†	1499.5	1511.2	0.0224	mg/L	0.0224	mg/L	00:11:40
1	Sb 206.836†	99.5	65.5	-0.0066	mg/L	-0.0066	mg/L	00:11:40
1	Se 196.026†	-40.7	-39.5	0.0175	mg/L	0.0175	mg/L	00:11:40
1	Sn 189.927†	-729.7	-739.4	0.1780	mg/L	0.1780	mg/L	00:11:40
1	Ti 337.279†	7885188.8	8020551.8	9.599	mg/L	9.599	mg/L	00:11:27
1	Tl 190.801†	70.4	63.9	-0.0380	mg/L	-0.0380	mg/L	00:11:40
1	V 292.402†	3908.6	4898.1	-0.0013	mg/L	-0.0013	mg/L	00:11:40
1	Zn 213.857†	4234.2	3219.0	0.0184	mg/L	0.0184	mg/L	00:11:40
2	B 249.677†	-0.7	-3.8	-0.0033	mg/L	-0.0033	mg/L	00:11:18
2	Fe 234.349†	60026.5	60311.9	95.00	mg/L	95.00	mg/L	00:11:08
2	K 766.490†	438.9	133.8	0.1446	mg/L	0.1446	mg/L	00:11:18
2	Li 670.784†	-121.3	67.7	0.0050	mg/L	0.0050	mg/L	00:11:18
2	Na 589.592†	369.1	662.9	0.1047	mg/L	0.1047	mg/L	00:11:18
2	Sr 407.771†	713.8	608.5	0.0010	mg/L	0.0010	mg/L	00:11:18
2	Y 371.029	3112272.3	3112272.3	0.995	mg/L			00:11:47
2	Ag 328.068†	904.5	-1130.2	0.0001	mg/L	0.0001	mg/L	00:11:49
2	Al 237.313†	2459314.3	2471328.8	238.0	mg/L	238.0	mg/L	00:11:47
2	As 188.979†	-8.8	-16.7	0.0287	mg/L	0.0287	mg/L	00:12:00
2	B 182.528†	4.7	11.4	0.0149	mg/L	0.0149	mg/L	00:12:00
2	Ba 233.527†	188.0	255.5	0.0007	mg/L	0.0007	mg/L	00:12:00
2	Be 313.107†	-545.2	357.3	0.0002	mg/L	0.0002	mg/L	00:11:49
2	Ca 315.887†	31365488.9	31515306.2	224.2	mg/L	224.2	mg/L	00:11:44
2	Cd 228.802†	120.2	27.8	0.0007	mg/L	0.0007	mg/L	00:12:00
2	Co 228.616†	987.5	1026.7	-0.0054	mg/L	-0.0054	mg/L	00:12:00
2	Cr 267.716†	766.3	134.1	0.0006	mg/L	0.0006	mg/L	00:12:00
2	Cu 324.752†	239.6	-1527.7	-0.0012	mg/L	-0.0012	mg/L	00:11:49
2	Fe 238.204†	12580818.3	12640660.5	80.58	mg/L	80.58	mg/L	00:11:44
2	Mg 279.077†	3900209.5	3918703.6	231.5	mg/L	231.5	mg/L	00:11:47
2	Mn 257.610†	2408.0	1863.0	0.0000	mg/L	0.0000	mg/L	00:11:49
2	Mo 202.031†	302.3	315.5	-0.0170	mg/L	-0.0170	mg/L	00:12:00
2	Ni 231.604†	40.8	31.3	-0.0020	mg/L	-0.0020	mg/L	00:12:00
2	P 214.914†	-358.2	-624.1	-0.0127	mg/L	-0.0127	mg/L	00:12:00
2	Pb 220.353†	1491.7	1485.1	0.0208	mg/L	0.0208	mg/L	00:12:00
2	Sb 206.836†	85.3	50.0	-0.0154	mg/L	-0.0154	mg/L	00:12:00

2	Se 196.026†	-36.4	-34.6	0.0206 mg/L	0.0206 mg/L	00:12:00
2	Sn 189.927†	-725.1	-726.0	0.1806 mg/L	0.1806 mg/L	00:12:00
2	Ti 337.279†	7984263.5	8023889.2	9.603 mg/L	9.603 mg/L	00:11:47
2	Tl 190.801†	69.4	62.0	-0.0392 mg/L	-0.0392 mg/L	00:12:00
2	V 292.402†	3887.4	4829.0	-0.0017 mg/L	-0.0017 mg/L	00:12:00
2	Zn 213.857†	4225.3	3158.4	0.0180 mg/L	0.0180 mg/L	00:12:00

Mean Data: IFA

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3093602.2	0.989 mg/L	0.0084			0.85%
Ag 328.068†	-1184.9	-0.0003 mg/L	0.00050	-0.0003 mg/L	0.00050	169.70%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 237.313†	2470406.8	237.9 mg/L	0.13	237.9 mg/L	0.13	0.05%
QC value within limits for Al 237.313 Recovery = 95.14%						
As 188.979†	-13.0	0.0316 mg/L	0.00405	0.0316 mg/L	0.00405	12.83%
QC value greater than the upper limit for As 188.979 Recovery = Not calculated						
B 182.528†	11.8	0.0154 mg/L	0.00066	0.0154 mg/L	0.00066	4.30%
QC value greater than the upper limit for B 182.528 Recovery = Not calculated						
B 249.677†	-5.0	-0.0047 mg/L	0.00193	-0.0047 mg/L	0.00193	41.35%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	231.9	0.0005 mg/L	0.00030	0.0005 mg/L	0.00030	57.69%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	340.5	0.0002 mg/L	0.00001	0.0002 mg/L	0.00001	4.77%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 315.887†	31770165.6	226.0 mg/L	2.56	226.0 mg/L	2.56	1.13%
QC value within limits for Ca 315.887 Recovery = 90.40%						
Cd 228.802†	33.2	0.0009 mg/L	0.00019	0.0009 mg/L	0.00019	21.33%
QC value within limits for Cd 228.802 Recovery = Not calculated						
Co 228.616†	1047.0	-0.0051 mg/L	0.00051	-0.0051 mg/L	0.00051	10.00%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated						
Cr 267.716†	125.5	0.0005 mg/L	0.00010	0.0005 mg/L	0.00010	19.65%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 324.752†	-1572.9	-0.0014 mg/L	0.00028	-0.0014 mg/L	0.00028	20.73%
QC value within limits for Cu 324.752 Recovery = Not calculated						
Fe 234.349†	60218.6	94.85 mg/L	0.211	94.85 mg/L	0.211	0.22%
QC value within limits for Fe 234.349 Recovery = 94.85%						
Fe 238.204†	12742571.7	81.23 mg/L	0.919	81.23 mg/L	0.919	1.13%
QC value within limits for Fe 238.204 Recovery = 81.23%						
K 766.490†	113.2	0.1292 mg/L	0.02170	0.1292 mg/L	0.02170	16.79%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	58.4	0.0045 mg/L	0.00076	0.0045 mg/L	0.00076	16.93%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	3914498.1	231.2 mg/L	0.35	231.2 mg/L	0.35	0.15%
QC value within limits for Mg 279.077 Recovery = 92.48%						
Mn 257.610†	1970.8	0.0001 mg/L	0.00018	0.0001 mg/L	0.00018	132.27%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	341.5	-0.0160 mg/L	0.00149	-0.0160 mg/L	0.00149	9.30%
QC value less than the lower limit for Mo 202.031 Recovery = Not calculated						
Na 589.592†	669.3	0.1064 mg/L	0.00246	0.1064 mg/L	0.00246	2.31%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	34.1	-0.0020 mg/L	0.00009	-0.0020 mg/L	0.00009	4.43%
QC value within limits for Ni 231.604 Recovery = Not calculated						
P 214.914†	-633.9	-0.0170 mg/L	0.00611	-0.0170 mg/L	0.00611	36.00%
QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	1498.2	0.0216 mg/L	0.00114	0.0216 mg/L	0.00114	5.28%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	57.7	-0.0110 mg/L	0.00627	-0.0110 mg/L	0.00627	57.06%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-37.1	0.0191 mg/L	0.00225	0.0191 mg/L	0.00225	11.79%
QC value greater than the upper limit for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-732.7	0.1793 mg/L	0.00186	0.1793 mg/L	0.00186	1.04%
QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	604.2	0.0010 mg/L	0.00001	0.0010 mg/L	0.00001	0.99%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	8022220.5	9.601 mg/L	0.0028	9.601 mg/L	0.0028	0.03%
QC value within limits for Ti 337.279 Recovery = 96.01%						
Tl 190.801†	62.9	-0.0386 mg/L	0.00086	-0.0386 mg/L	0.00086	2.22%
QC value less than the lower limit for Tl 190.801 Recovery = Not calculated						
V 292.402†	4863.5	-0.0015 mg/L	0.00028	-0.0015 mg/L	0.00028	18.85%
QC value less than the lower limit for V 292.402 Recovery = Not calculated						
Zn 213.857†	3188.7	0.0182 mg/L	0.00029	0.0182 mg/L	0.00029	1.59%

QC value greater than the upper limit for Zn 213.857 Recovery = Not calculated
 QC Failed. Continue with analysis.

Sequence No.: 105
 Sample ID: IFB
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 159
 Date Collected: 10/12/2012 12:13:38 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

 Replicate Data: IFB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	-2.7	-5.9	-0.0063 mg/L	-0.0063 mg/L	00:15:28
1	Fe 234.349†	61163.8	61825.1	97.38 mg/L	97.38 mg/L	00:15:18
1	K 766.490†	392.2	89.2	0.1114 mg/L	0.1114 mg/L	00:15:28
1	Li 670.784†	-83.8	104.8	0.0072 mg/L	0.0072 mg/L	00:15:28
1	Na 589.592†	438.1	735.0	0.1245 mg/L	0.1245 mg/L	00:15:28
1	Sr 407.771†	704.0	602.9	0.0010 mg/L	0.0010 mg/L	00:15:28
1	Y 371.029	3093627.4	3093627.4	0.989 mg/L		00:15:52
1	Ag 328.068†	81620.5	80469.7	0.5065 mg/L	0.5065 mg/L	00:15:55
1	Al 237.313†	2493414.2	2520693.3	242.7 mg/L	242.7 mg/L	00:15:52
1	As 188.979†	-15.7	-23.8	0.0239 mg/L	0.0239 mg/L	00:16:05
1	B 182.528†	14.0	20.8	0.0257 mg/L	0.0257 mg/L	00:16:05
1	Ba 233.527†	25549.8	25894.3	0.2321 mg/L	0.2321 mg/L	00:15:55
1	Be 313.107†	483367.1	489531.9	0.2359 mg/L	0.2359 mg/L	00:15:52
1	Ca 315.887†	31873226.0	32218516.1	229.2 mg/L	229.2 mg/L	00:15:49
1	Cd 228.802†	17254.9	17349.6	0.4599 mg/L	0.4599 mg/L	00:16:05
1	Co 228.616†	12163.2	12330.0	0.2104 mg/L	0.2104 mg/L	00:16:05
1	Cr 267.716†	28514.2	28188.5	0.2266 mg/L	0.2266 mg/L	00:15:55
1	Cu 324.752†	54013.4	52832.7	0.2316 mg/L	0.2316 mg/L	00:15:55
1	Fe 238.204†	12855248.7	12994266.0	82.83 mg/L	82.83 mg/L	00:15:49
1	Mg 279.077†	3942403.9	3984976.6	235.4 mg/L	235.4 mg/L	00:15:52
1	Mn 257.610†	192562.7	194101.4	0.2232 mg/L	0.2232 mg/L	00:15:55
1	Mo 202.031†	314.0	329.2	-0.0174 mg/L	-0.0174 mg/L	00:16:05
1	Ni 231.604†	19966.0	20173.6	0.4239 mg/L	0.4239 mg/L	00:15:55
1	P 214.914†	-359.3	-627.4	-0.0125 mg/L	-0.0125 mg/L	00:16:05
1	Pb 220.353†	8831.1	8913.5	0.4632 mg/L	0.4632 mg/L	00:16:05
1	Sb 206.836†	103.0	68.4	-0.0059 mg/L	-0.0059 mg/L	00:16:05
1	Se 196.026†	-33.6	-32.1	0.0233 mg/L	0.0233 mg/L	00:16:05
1	Sn 189.927†	-769.7	-775.4	0.1811 mg/L	0.1811 mg/L	00:16:05
1	Ti 337.279†	2360.8	3484.4	0.0053 mg/L	0.0053 mg/L	00:15:55
1	Tl 190.801†	64.2	57.2	-0.0310 mg/L	-0.0310 mg/L	00:16:05
1	V 292.402†	52235.9	53727.1	0.2314 mg/L	0.2314 mg/L	00:15:55
1	Zn 213.857†	71019.8	70705.3	0.4720 mg/L	0.4720 mg/L	00:15:55
2	B 249.677†	-5.3	-8.5	-0.0093 mg/L	-0.0093 mg/L	00:15:40
2	Fe 234.349†	61919.8	62308.1	98.14 mg/L	98.14 mg/L	00:15:30
2	K 766.490†	397.5	92.8	0.1140 mg/L	0.1140 mg/L	00:15:40
2	Li 670.784†	-110.1	78.8	0.0057 mg/L	0.0057 mg/L	00:15:40
2	Na 589.592†	484.0	779.2	0.1367 mg/L	0.1367 mg/L	00:15:40
2	Sr 407.771†	731.1	627.0	0.0011 mg/L	0.0011 mg/L	00:15:40
2	Y 371.029	3107592.2	3107592.2	0.994 mg/L		00:16:15
2	Ag 328.068†	82197.5	80679.5	0.5078 mg/L	0.5078 mg/L	00:16:17
2	Al 237.313†	2513207.5	2529285.4	243.5 mg/L	243.5 mg/L	00:16:15
2	As 188.979†	-13.9	-21.8	0.0257 mg/L	0.0257 mg/L	00:16:28
2	B 182.528†	8.1	14.9	0.0189 mg/L	0.0189 mg/L	00:16:28
2	Ba 233.527†	25762.7	25992.5	0.2330 mg/L	0.2330 mg/L	00:16:17
2	Be 313.107†	487290.5	491284.4	0.2368 mg/L	0.2368 mg/L	00:16:15
2	Ca 315.887†	31826672.8	32026878.8	227.8 mg/L	227.8 mg/L	00:16:12
2	Cd 228.802†	17083.7	17099.0	0.4532 mg/L	0.4532 mg/L	00:16:28
2	Co 228.616†	12018.2	12128.8	0.2069 mg/L	0.2069 mg/L	00:16:28
2	Cr 267.716†	28812.1	28358.7	0.2279 mg/L	0.2279 mg/L	00:16:17
2	Cu 324.752†	54442.0	53018.6	0.2324 mg/L	0.2324 mg/L	00:16:17
2	Fe 238.204†	12843439.0	12923984.4	82.38 mg/L	82.38 mg/L	00:16:12
2	Mg 279.077†	3977703.6	4002591.1	236.4 mg/L	236.4 mg/L	00:16:15
2	Mn 257.610†	193794.5	194466.3	0.2236 mg/L	0.2236 mg/L	00:16:17
2	Mo 202.031†	312.1	325.8	-0.0178 mg/L	-0.0178 mg/L	00:16:28
2	Ni 231.604†	20222.1	20340.6	0.4275 mg/L	0.4275 mg/L	00:16:17
2	P 214.914†	-372.5	-639.1	-0.0154 mg/L	-0.0154 mg/L	00:16:28
2	Pb 220.353†	8750.7	8792.4	0.4557 mg/L	0.4557 mg/L	00:16:28
2	Sb 206.836†	88.5	53.4	-0.0147 mg/L	-0.0147 mg/L	00:16:28
2	Se 196.026†	-31.6	-29.8	0.0250 mg/L	0.0250 mg/L	00:16:28

2	Sn 189.927†	-743.3	-745.3	0.1873 mg/L	0.1873 mg/L	00:16:28
2	Ti 337.279†	2003.2	3113.8	0.0049 mg/L	0.0049 mg/L	00:16:17
2	Tl 190.801†	67.1	59.8	-0.0300 mg/L	-0.0300 mg/L	00:16:28
2	V 292.402†	52667.5	53924.2	0.2322 mg/L	0.2322 mg/L	00:16:17
2	Zn 213.857†	71677.8	71044.9	0.4743 mg/L	0.4743 mg/L	00:16:17

Mean Data: IFB

Analyte	Mean Corrected Intensity	Conc. Units	Calib	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	3100609.8	0.991 mg/L		0.0032			0.32%
Ag 328.068†	80574.6	0.5072 mg/L		0.00096	0.5072 mg/L	0.00096	0.19%
	QC value within limits for Ag 328.068 Recovery = 101.43%						
Al 237.313†	2524989.4	243.1 mg/L		0.59	243.1 mg/L	0.59	0.24%
	QC value within limits for Al 237.313 Recovery = 97.25%						
As 188.979†	-22.8	0.0248 mg/L		0.00128	0.0248 mg/L	0.00128	5.18%
	QC value greater than the upper limit for As 188.979 Recovery = Not calculated						
B 182.528†	17.8	0.0223 mg/L		0.00484	0.0223 mg/L	0.00484	21.71%
	QC value within limits for B 182.528 Recovery = Not calculated						
B 249.677†	-7.2	-0.0078 mg/L		0.00216	-0.0078 mg/L	0.00216	27.72%
	QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	25943.4	0.2326 mg/L		0.00063	0.2326 mg/L	0.00063	0.27%
	QC value within limits for Ba 233.527 Recovery = 93.02%						
Be 313.107†	490408.2	0.2364 mg/L		0.00060	0.2364 mg/L	0.00060	0.25%
	QC value within limits for Be 313.107 Recovery = 94.54%						
Ca 315.887†	32122697.4	228.5 mg/L		0.96	228.5 mg/L	0.96	0.42%
	QC value within limits for Ca 315.887 Recovery = 91.40%						
Cd 228.802†	17224.3	0.4565 mg/L		0.00470	0.4565 mg/L	0.00470	1.03%
	QC value within limits for Cd 228.802 Recovery = 91.31%						
Co 228.616†	12229.4	0.2087 mg/L		0.00248	0.2087 mg/L	0.00248	1.19%
	QC value within limits for Co 228.616 Recovery = 83.47%						
Cr 267.716†	28273.6	0.2272 mg/L		0.00097	0.2272 mg/L	0.00097	0.43%
	QC value within limits for Cr 267.716 Recovery = 90.89%						
Cu 324.752†	52925.7	0.2320 mg/L		0.00058	0.2320 mg/L	0.00058	0.25%
	QC value within limits for Cu 324.752 Recovery = 92.80%						
Fe 234.349†	62066.6	97.76 mg/L		0.540	97.76 mg/L	0.540	0.55%
	QC value within limits for Fe 234.349 Recovery = 97.76%						
Fe 238.204†	12959125.2	82.61 mg/L		0.317	82.61 mg/L	0.317	0.38%
	QC value within limits for Fe 238.204 Recovery = 82.61%						
K 766.490†	91.0	0.1127 mg/L		0.00187	0.1127 mg/L	0.00187	1.66%
	QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	91.8	0.0064 mg/L		0.00106	0.0064 mg/L	0.00106	16.50%
	QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.077†	3993783.8	235.9 mg/L		0.74	235.9 mg/L	0.74	0.31%
	QC value within limits for Mg 279.077 Recovery = 94.36%						
Mn 257.610†	194283.8	0.2234 mg/L		0.00030	0.2234 mg/L	0.00030	0.13%
	QC value within limits for Mn 257.610 Recovery = 89.37%						
Mo 202.031†	327.5	-0.0176 mg/L		0.00026	-0.0176 mg/L	0.00026	1.48%
	QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	757.1	0.1306 mg/L		0.00863	0.1306 mg/L	0.00863	6.61%
	QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	20257.1	0.4257 mg/L		0.00250	0.4257 mg/L	0.00250	0.59%
	QC value within limits for Ni 231.604 Recovery = 85.14%						
P 214.914†	-633.2	-0.0139 mg/L		0.00209	-0.0139 mg/L	0.00209	14.97%
	QC value within limits for P 214.914 Recovery = Not calculated						
Pb 220.353†	8852.9	0.4594 mg/L		0.00528	0.4594 mg/L	0.00528	1.15%
	QC value within limits for Pb 220.353 Recovery = 91.88%						
Sb 206.836†	60.9	-0.0103 mg/L		0.00623	-0.0103 mg/L	0.00623	60.54%
	QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-31.0	0.0242 mg/L		0.00123	0.0242 mg/L	0.00123	5.08%
	QC value greater than the upper limit for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-760.3	0.1842 mg/L		0.00437	0.1842 mg/L	0.00437	2.37%
	QC value greater than the upper limit for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	614.9	0.0011 mg/L		0.00003	0.0011 mg/L	0.00003	2.76%
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 337.279†	3299.1	0.0051 mg/L		0.00031	0.0051 mg/L	0.00031	6.12%
	QC value within limits for Ti 337.279 Recovery = Not calculated						
Tl 190.801†	58.5	-0.0305 mg/L		0.00072	-0.0305 mg/L	0.00072	2.37%
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	53825.7	0.2318 mg/L		0.00054	0.2318 mg/L	0.00054	0.23%
	QC value within limits for V 292.402 Recovery = 92.71%						
Zn 213.857†	70875.1	0.4732 mg/L		0.00161	0.4732 mg/L	0.00161	0.34%
	QC value within limits for Zn 213.857 Recovery = 94.64%						

Sequence No.: 106
 Sample ID: WASH
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 0
 Date Collected: 10/12/2012 12:18:06 AM
 Data Type: Original
 Initial Sample Vol:
 Sample Prep Vol:

Replicate Data: WASH

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc. Units	Sample Conc. Units	Analysis Time
1	B 249.677†	3.9	0.3	0.0016 mg/L	0.0016 mg/L	00:19:59
1	Fe 234.349†	72.7	60.3	0.0957 mg/L	0.0957 mg/L	00:19:59
1	K 766.490†	398.5	46.3	0.0793 mg/L	0.0793 mg/L	00:19:49
1	Li 670.784†	-117.5	85.4	0.0060 mg/L	0.0060 mg/L	00:19:49
1	Na 589.592†	1580.8	1694.3	0.3893 mg/L	0.3893 mg/L	00:19:49
1	Sr 407.771†	633.4	453.0	0.0008 mg/L	0.0008 mg/L	00:19:49
1	Y 371.029	3525638.7	3525638.7	1.13 mg/L		00:20:23
1	Ag 328.068†	2122.3	-156.5	-0.0012 mg/L	-0.0012 mg/L	00:20:26
1	Al 237.313†	1958.3	1884.3	0.1647 mg/L	0.1647 mg/L	00:20:26
1	As 188.979†	17.9	8.0	0.0081 mg/L	0.0081 mg/L	00:20:36
1	B 182.528†	-5.6	1.7	0.0037 mg/L	0.0037 mg/L	00:20:36
1	Ba 233.527†	39.5	101.6	-0.0006 mg/L	-0.0006 mg/L	00:20:36
1	Be 313.107†	-469.1	489.0	0.0003 mg/L	0.0003 mg/L	00:20:26
1	Ca 315.887†	44631.1	38052.5	0.2571 mg/L	0.2571 mg/L	00:20:26
1	Cd 228.802†	120.3	13.7	0.0003 mg/L	0.0003 mg/L	00:20:36
1	Co 228.616†	21.0	53.1	-0.0036 mg/L	-0.0036 mg/L	00:20:36
1	Cr 267.716†	828.9	99.3	0.0003 mg/L	0.0003 mg/L	00:20:26
1	Cu 324.752†	2588.5	527.6	0.0003 mg/L	0.0003 mg/L	00:20:26
1	Fe 238.204†	19725.0	16630.2	0.0968 mg/L	0.0968 mg/L	00:20:26
1	Mg 279.077†	4470.7	3639.3	0.1876 mg/L	0.1876 mg/L	00:20:26
1	Mn 257.610†	3466.0	2517.8	0.0008 mg/L	0.0008 mg/L	00:20:26
1	Mo 202.031†	44.4	51.1	0.0023 mg/L	0.0023 mg/L	00:20:36
1	Ni 231.604†	109.0	87.0	-0.0009 mg/L	-0.0009 mg/L	00:20:26
1	P 214.914†	284.7	-11.7	0.0110 mg/L	0.0110 mg/L	00:20:36
1	Pb 220.353†	55.4	35.3	-0.0006 mg/L	-0.0006 mg/L	00:20:36
1	Sb 206.836†	36.6	-3.2	-0.0033 mg/L	-0.0033 mg/L	00:20:36
1	Se 196.026†	10.0	10.8	0.0089 mg/L	0.0089 mg/L	00:20:36
1	Sn 189.927†	9.4	11.0	-0.0005 mg/L	-0.0005 mg/L	00:20:36
1	Ti 337.279†	1624.2	2538.6	0.0042 mg/L	0.0042 mg/L	00:20:26
1	Tl 190.801†	14.1	4.8	-0.0033 mg/L	-0.0033 mg/L	00:20:36
1	V 292.402†	-757.7	250.8	0.0032 mg/L	0.0032 mg/L	00:20:26
1	Zn 213.857†	1352.8	112.6	-0.0026 mg/L	-0.0026 mg/L	00:20:36
2	B 249.677†	-1.4	-4.4	-0.0039 mg/L	-0.0039 mg/L	00:20:20
2	Fe 234.349†	87.1	73.5	0.1166 mg/L	0.1166 mg/L	00:20:20
2	K 766.490†	388.4	39.5	0.0743 mg/L	0.0743 mg/L	00:20:10
2	Li 670.784†	-114.4	87.4	0.0062 mg/L	0.0062 mg/L	00:20:10
2	Na 589.592†	1603.3	1723.3	0.3973 mg/L	0.3973 mg/L	00:20:10
2	Sr 407.771†	645.7	467.6	0.0008 mg/L	0.0008 mg/L	00:20:10
2	Y 371.029	3503320.2	3503320.2	1.12 mg/L		00:20:38
2	Ag 328.068†	2167.6	-104.0	-0.0009 mg/L	-0.0009 mg/L	00:20:40
2	Al 237.313†	2110.0	2030.7	0.1788 mg/L	0.1788 mg/L	00:20:40
2	As 188.979†	4.4	-4.0	-0.0012 mg/L	-0.0012 mg/L	00:20:51
2	B 182.528†	-12.0	-4.1	-0.0029 mg/L	-0.0029 mg/L	00:20:51
2	Ba 233.527†	62.7	122.5	-0.0005 mg/L	-0.0005 mg/L	00:20:51
2	Be 313.107†	-509.9	449.9	0.0003 mg/L	0.0003 mg/L	00:20:40
2	Ca 315.887†	45797.1	39345.5	0.2663 mg/L	0.2663 mg/L	00:20:40
2	Cd 228.802†	119.2	13.4	0.0003 mg/L	0.0003 mg/L	00:20:51
2	Co 228.616†	22.3	54.4	-0.0036 mg/L	-0.0036 mg/L	00:20:51
2	Cr 267.716†	820.5	96.5	0.0002 mg/L	0.0002 mg/L	00:20:40
2	Cu 324.752†	2555.2	512.5	0.0003 mg/L	0.0003 mg/L	00:20:40
2	Fe 238.204†	20517.9	17449.5	0.1021 mg/L	0.1021 mg/L	00:20:40
2	Mg 279.077†	4727.7	3894.0	0.2027 mg/L	0.2027 mg/L	00:20:40
2	Mn 257.610†	3547.7	2610.3	0.0009 mg/L	0.0009 mg/L	00:20:40
2	Mo 202.031†	40.9	48.3	0.0022 mg/L	0.0022 mg/L	00:20:51
2	Ni 231.604†	85.9	67.0	-0.0013 mg/L	-0.0013 mg/L	00:20:40
2	P 214.914†	278.1	-16.0	0.0093 mg/L	0.0093 mg/L	00:20:51
2	Pb 220.353†	16.8	1.2	-0.0026 mg/L	-0.0026 mg/L	00:20:51
2	Sb 206.836†	42.8	2.5	-0.0001 mg/L	-0.0001 mg/L	00:20:51
2	Se 196.026†	2.6	4.2	0.0048 mg/L	0.0048 mg/L	00:20:51
2	Sn 189.927†	14.5	15.6	0.0002 mg/L	0.0002 mg/L	00:20:51

2	Ti 337.279†	1791.9	2697.5	0.0044 mg/L	0.0044 mg/L	00:20:40
2	Tl 190.801†	1.1	-6.8	-0.0097 mg/L	-0.0097 mg/L	00:20:51
2	V 292.402†	-789.8	217.9	0.0030 mg/L	0.0030 mg/L	00:20:40
2	Zn 213.857†	1382.2	146.6	-0.0024 mg/L	-0.0024 mg/L	00:20:51

Mean Data: WASH

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
Y 371.029	3514479.5	1.12	mg/L	0.005			0.45%
Ag 328.068†	-130.3	-0.0011	mg/L	0.00023	-0.0011 mg/L	0.00023	21.71%
Al 237.313†	1957.5	0.1718	mg/L	0.00997	0.1718 mg/L	0.00997	5.80%
As 188.979†	2.0	0.0035	mg/L	0.00662	0.0035 mg/L	0.00662	190.91%
B 182.528†	-1.2	0.0004	mg/L	0.00468	0.0004 mg/L	0.00468	>999.9%
B 249.677†	-2.0	-0.0012	mg/L	0.00388	-0.0012 mg/L	0.00388	327.78%
Ba 233.527†	112.0	-0.0005	mg/L	0.00013	-0.0005 mg/L	0.00013	24.39%
Be 313.107†	469.4	0.0003	mg/L	0.00001	0.0003 mg/L	0.00001	4.42%
Ca 315.887†	38699.0	0.2617	mg/L	0.00650	0.2617 mg/L	0.00650	2.49%
Cd 228.802†	13.5	0.0003	mg/L	0.00002	0.0003 mg/L	0.00002	7.95%
Co 228.616†	53.7	-0.0036	mg/L	0.00002	-0.0036 mg/L	0.00002	0.45%
Cr 267.716†	97.9	0.0003	mg/L	0.00002	0.0003 mg/L	0.00002	6.51%
Cu 324.752†	520.0	0.0003	mg/L	0.00005	0.0003 mg/L	0.00005	14.85%
Fe 234.349†	66.9	0.1061	mg/L	0.01477	0.1061 mg/L	0.01477	13.92%
Fe 238.204†	17039.8	0.0994	mg/L	0.00369	0.0994 mg/L	0.00369	3.71%
K 766.490†	42.9	0.0768	mg/L	0.00358	0.0768 mg/L	0.00358	4.66%
Li 670.784†	86.4	0.0061	mg/L	0.00008	0.0061 mg/L	0.00008	1.38%
Mg 279.077†	3766.6	0.1951	mg/L	0.01064	0.1951 mg/L	0.01064	5.45%
Mn 257.610†	2564.0	0.0008	mg/L	0.00008	0.0008 mg/L	0.00008	9.29%
Mo 202.031†	49.7	0.0022	mg/L	0.00008	0.0022 mg/L	0.00008	3.64%
Na 589.592†	1708.8	0.3933	mg/L	0.00566	0.3933 mg/L	0.00566	1.44%
Ni 231.604†	77.0	-0.0011	mg/L	0.00030	-0.0011 mg/L	0.00030	27.85%
P 214.914†	-13.8	0.0102	mg/L	0.00119	0.0102 mg/L	0.00119	11.65%
Pb 220.353†	18.3	-0.0016	mg/L	0.00145	-0.0016 mg/L	0.00145	91.22%
Sb 206.836†	-0.4	-0.0017	mg/L	0.00227	-0.0017 mg/L	0.00227	131.86%
Se 196.026†	7.5	0.0069	mg/L	0.00294	0.0069 mg/L	0.00294	42.87%
Sn 189.927†	13.3	-0.0002	mg/L	0.00047	-0.0002 mg/L	0.00047	285.82%
Sr 407.771†	460.3	0.0008	mg/L	0.00002	0.0008 mg/L	0.00002	2.22%
Ti 337.279†	2618.1	0.0043	mg/L	0.00013	0.0043 mg/L	0.00013	3.12%
Tl 190.801†	-1.0	-0.0065	mg/L	0.00452	-0.0065 mg/L	0.00452	69.27%
V 292.402†	234.4	0.0031	mg/L	0.00011	0.0031 mg/L	0.00011	3.53%
Zn 213.857†	129.6	-0.0025	mg/L	0.00016	-0.0025 mg/L	0.00016	6.51%

Lead Logbooks

HOLDING TIME SUMMARY

1312/6010B

Laboratory: ESS Laboratory

SDG: 1210127

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
TP0706-RA100212	10/02/12 11:40	10/04/12 13:30	10/10/12 13:54	8.09	180.00	10/11/12 17:48	9.26	180.00	
TP1107-RA100212	10/02/12 12:00	10/04/12 13:30	10/10/12 13:54	8.08	180.00	10/11/12 17:52	9.24	180.00	
TP0903-RA100212	10/02/12 13:00	10/04/12 13:30	10/10/12 13:54	8.04	180.00	10/11/12 17:56	9.21	180.00	
TP0904-RA100212	10/02/12 13:05	10/04/12 13:30	10/10/12 13:54	8.03	180.00	10/11/12 18:01	9.21	180.00	
TP0410-RA100212	10/02/12 13:25	10/04/12 13:30	10/10/12 13:54	8.02	180.00	10/11/12 18:05	9.19	180.00	
TP0608-RA100212	10/02/12 14:20	10/04/12 13:30	10/10/12 13:54	7.98	180.00	10/11/12 18:09	9.16	180.00	
TP0505-RA100212	10/02/12 14:35	10/04/12 13:30	10/10/12 13:54	7.97	180.00	10/11/12 18:13	9.15	180.00	
TP0810-RA100212	10/02/12 14:45	10/04/12 13:30	10/10/12 13:54	7.96	180.00	10/11/12 18:26	9.15	180.00	
TP0104-RA100212	10/02/12 15:00	10/04/12 13:30	10/10/12 13:54	7.95	180.00	10/11/12 18:31	9.15	180.00	
TP0205-RA100312	10/03/12 07:35	10/04/12 13:30	10/10/12 13:54	7.26	180.00	10/11/12 18:35	8.46	180.00	
TP0305-RA100312	10/03/12 07:45	10/04/12 13:30	10/10/12 13:54	7.26	180.00	10/11/12 19:00	8.47	180.00	
TP1002-RA100412	10/04/12 09:10	10/04/12 13:30	10/10/12 13:54	6.20	180.00	10/11/12 19:05	7.41	180.00	

BCHTable

LabNumber	Des	SxName	Analysis	Prepared	Prepa	Initial	Final	St	Su	Source	SpikelD1
1210127-01	B	TP0706-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-02	B	TP1107-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-03	B	TP0903-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-04	B	TP0904-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-05	B	TP0410-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-06	B	TP0608-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-07	B	TP0505-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-08	B	TP0810-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-09	B	TP0104-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-10	B	TP0205-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-11	B	TP0305-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210127-12	B	TP1002-R	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210173-01	D	Farmington	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210173-02	D	Farmington	MP: Prep S	10/10/2012	KJK	50	25	0	0		
1210173-03	D	Farmington	MP: Prep S	10/10/2012	KJK	50	25	0	0		
CJ21017-BLK1	-	Blank	-	10/10/2012	KJK	50	25	0	0		
CJ21017-BS1	-	LCS	-	10/10/2012	KJK	50	25	0	0		2G17050
CJ21017-BSD1	-	LCS Dup	-	10/10/2012	KJK	50	25	0	0		2G17050
CJ21017-DUP1	-	Duplicate	-	10/10/2012	KJK	50	25	0	0	1210127-10	
CJ21017-DUP2	-	Duplicate	-	10/10/2012	KJK	50	25	0	0	1210173-03	
CJ21017-MS1	-	Matrix Spik	-	10/10/2012	KJK	50	25	0	0	1210127-1	2G17050
CJ21017-MS2	-	Matrix Spik	-	10/10/2012	KJK	50	25	0	0	1210173-0	2G17050

BCHTable

SpikeType	SpikeAm	SpikeType	Sr	pH	So	De	ExtNote	Info1	Info2	Info3	Info4	Info5
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
Pre-Prep	125	Pre-Prep	0	-2	0	0						
Pre-Prep	125	Pre-Prep	0	-2	0	0						
	0		0	-2	0	0						
	0		0	-2	0	0						
Pre-Prep	125	Pre-Prep	0	-2	0	0						
Pre-Prep	125	Pre-Prep	0	-2	0	0						

ESS Laboratory Percent Solids Logbook

LabNumber	Analysis	Prepared	PreparedBy	Pan Weight (g)	Initial	Final	Source	Final Result
CJ21009-BLK1	OP: Percent Solids	10/10/2012 13:30	GAB	1.3	11.3	1.3		100
1210149-01	OP: Percent Solids	10/10/2012 13:30	GAB	1.3	11.3	4.2		29
1210149-02	OP: Percent Solids	10/10/2012 13:30	GAB	1.3	11.3	4.4		31
1210149-03	OP: Percent Solids	10/10/2012 13:30	GAB	1.3	11.3	4.2		29
1210127-01	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	10.1		88
1210127-02	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.7		84
1210127-03	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	8.9		76
1210127-04	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.0		77
1210127-05	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	10.0		87
1210127-06	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	10.4		91
1210127-07	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.4		81
1210127-08	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	10.2		89
1210127-09	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.7		84
1210127-10	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.1		78
1210127-11	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.7		84
1210127-12	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.6		83
CJ21009-DUP1	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	9.5	1210127-12	82
1210156-01	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	6.8		55
1210156-02	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	7.5	4.2		47
1210170-01	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	9.1	5.2		50
1210170-02	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	2.6	1.9		46
1210170-03	OP: Percent Solids	10/10/2012 14:20	GAB	1.3	11.3	8.4		71
Units: Initial & Final = g								

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100127
Date Project Due: 10/11/12
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present? * No

Air No.:

2. Were Custody Seals Present? No

3. Were Custody Seals Intact? N/A

4. Is Radiation count < 100 CPM? Yes

5. Is a cooler present? Yes

Cooler Temp: 3.7

Iced With: Ice

6. Was COC included with samples? Yes

7. Was COC signed and dated by client? Yes

8. Does the COC match the sample Yes

9. Is COC complete and correct? Yes

10. Are the samples properly preserved? Yes

11. Proper sample containers used? Yes

12. Any air bubbles in the VOA vials? N/A

13. Holding times exceeded? No

14. Sufficient sample volumes? Yes

15. Any Subcontracting needed? No

16. Are ESS labels on correct containers? Yes No

17. Were samples received intact? Yes No

ESS Sample IDs: _____

Sub Lab: _____

Analysis: _____

TAT: _____

18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____

By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	8 oz Soil Jar	1	NP
2	Yes	8 oz Soil Jar	1	NP
3	Yes	8 oz Soil Jar	1	NP
4	Yes	8 oz Soil Jar	1	NP
5	Yes	8 oz Soil Jar	1	NP
6	Yes	8 oz Soil Jar	1	NP
7	Yes	8 oz Soil Jar	1	NP
8	Yes	8 oz Soil Jar	1	NP
9	Yes	8 oz Soil Jar	1	NP
10	Yes	8 oz Soil Jar	1	NP
11	Yes	8 oz Soil Jar	1	NP
12	Yes	8 oz Soil Jar	1	NP

Completed By: JK

Date/Time: 10/4/12

Reviewed By: WCS

Date/Time: 10/4/12

ESS Laboratory
 Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 2

Turn Time Standard Other _____
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA RI CT NH NJ NY ME Other _____
 Is this project for any of the following: USACE Other _____
 MA-MCP Navy

Reporting Limits
RI DEL-Res.
 Electronic Deliverable Yes No _____
 Format: Excel _____ Access _____ PDF _____ Other **Excel**

Co. Name	Project #	Project Name (20 Char. or less)	Number of Containers	Type of Containers	Write Required Analysis
AMEL	3650110213	Gorham Parcel C-1 Cap	1	G	Lead (USEPA 610)
Contact Person	107 Audubon Rd, Suite 301		1	G	SPR Lead (USEPA 1312)
City	Wakefield	State MA	1	G	
Telephone #	781 245 6606	Fax # -	1	G	
ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX
1	10.2.12	1140	✓ S	✓ S	TP0706 - RA100212
2	}	1200	✓ S	✓ S	TP1107 - RA100212
3		1300	✓ S	✓ S	TP0903 - RA100212
4		1305	✓ S	✓ S	TP0904 - RA100212
5		1325	✓ S	✓ S	TP0410 - RA100212
6		1420	✓ S	✓ S	TP0608 - RA100212
7	1435	✓ S	✓ S	TP0505 - RA100212	
8	1445	✓ S	✓ S	TP0810 - RA100212	
9	1500	✓ S	✓ S	TP0104 - RA100212	
10	10.3.12	0735	✓ S	✓ S	TP0205 - RA100312

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present Yes No Internal Use Only Yes No

Seals Intact Yes No NA: Pickup Technicians

Cooler Temp: 3.7 ice

Preservation Code 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: **Phil Miller**

Comments: _____

Relinquished by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Phil Miller</i>	10.4.12 1330	<i>Phil Miller</i>	10.9.12 1130		

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time Standard Other
 If faster than 5 days, prior approval by laboratory is required # _____
 State where samples were collected from:
 MA (R) CT NH NJ NY ME Other
 Is this project for any of the following: USACE Other
 MA-MCP Navy

Reporting Limits
RI DEL - Res.
 Electronic Deliverable Yes No
 Format: Excel ___ Access ___ PDF ___ Other **EQUIS LEAD**

ESS LAB PROJECT ID
21027

Project # **2650110213** Project Name (20 Char. or less) **Gorham Parcel C-1 Cap**

Contact Person **Kelly Chatterton** Address **107 Audubon Rd, Suite 301**

City **Wakfield** State **MA** Zip **01880** PO# _____

Telephone # **781 245 6600** Fax # _____ Email Address **Kelly.Chatterton@amec.com**

Write Required Analysis

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Lead (EPA 601)	SPL Lead (EPA 1312)
11	10.3.12	0745	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		TP0305 - RA100312	1	1	G	X	X
12	10.4.12	0910	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		TP1002 - RA100412	1	1	G	X	X

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters
 Cooler Present Yes No Internal Use Only Yes No
 Seals Intact Yes No NA: [] Pickup
 Cooler Temp: **3.7°C** [] Technicians _____

Preservation Code 1-NP, 2-HCl, 3-H₂SO₄, 4-HNO₃, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9- _____

Sampled by: **Phil Miller**
 Comments: _____

Relinquished by: (Signature) Phil Miller	Date/Time 10.4.12/1330	Relinquished by: (Signature)	Date/Time 10.4.12/1330
Received by: (Signature) SK	Date/Time 10.4.12/1330	Received by: (Signature)	Date/Time



CERTIFICATE OF ANALYSIS

FILE COPY

Kelly Chatterton
AMEC Environmental and Infrastructure
107 Audubon Road, Suite 301
Wakefield, MA 01880

RE: Gorham Parcel C-1 Cap (3650110213)
ESS Laboratory Work Order Number: 1210478

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 5:47 pm, Oct 31, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210478

SAMPLE RECEIPT

The following samples were received on October 23, 2012 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1210478-01	SSSWN02	Soil	8270C
1210478-02	SSSWB04	Soil	8270C
1210478-03	SSSWS02	Soil	8270C



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210478

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWN02
Date Sampled: 10/23/12 13:15
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210478
ESS Laboratory Sample ID: 1210478-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/23/12 15:45

8270C Polynuclear Aromatic Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>RI - RES DEC</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
		<u>Limit</u>	<u>DF</u>			
2-Methylnaphthalene	ND (0.354)	123	1	10/23/12 20:06	CVJ0258	CJ22326
Acenaphthene	ND (0.354)	43	1	10/23/12 20:06	CVJ0258	CJ22326
Acenaphthylene	ND (0.354)	23	1	10/23/12 20:06	CVJ0258	CJ22326
Anthracene	ND (0.354)	35	1	10/23/12 20:06	CVJ0258	CJ22326
Benzo(a)anthracene	ND (0.354)	0.9	1	10/23/12 20:06	CVJ0258	CJ22326
Benzo(a)pyrene	ND (0.178)	0.4	1	10/23/12 20:06	CVJ0258	CJ22326
Benzo(b)fluoranthene	ND (0.354)	0.9	1	10/23/12 20:06	CVJ0258	CJ22326
Benzo(g,h,i)perylene	ND (0.354)	0.8	1	10/23/12 20:06	CVJ0258	CJ22326
Benzo(k)fluoranthene	ND (0.354)	0.9	1	10/23/12 20:06	CVJ0258	CJ22326
Chrysene	ND (0.178)	0.4	1	10/23/12 20:06	CVJ0258	CJ22326
Dibenzo(a,h)Anthracene	ND (0.178)	0.4	1	10/23/12 20:06	CVJ0258	CJ22326
Fluoranthene	ND (0.354)	20	1	10/23/12 20:06	CVJ0258	CJ22326
Fluorene	ND (0.354)	28	1	10/23/12 20:06	CVJ0258	CJ22326
Indeno(1,2,3-cd)Pyrene	ND (0.354)	0.9	1	10/23/12 20:06	CVJ0258	CJ22326
Naphthalene	ND (0.354)	54	1	10/23/12 20:06	CVJ0258	CJ22326
Phenanthrene	ND (0.354)	40	1	10/23/12 20:06	CVJ0258	CJ22326
Pyrene	ND (0.354)	13	1	10/23/12 20:06	CVJ0258	CJ22326

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	69 %		30-130
Surrogate: 2-Fluorobiphenyl	73 %		30-130
Surrogate: Nitrobenzene-d5	67 %		30-130
Surrogate: p-Terphenyl-d14	93 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWB04
Date Sampled: 10/23/12 13:20
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210478
ESS Laboratory Sample ID: 1210478-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/23/12 15:45

8270C Polynuclear Aromatic Hydrocarbons

RI - RES DEC

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
2-Methylnaphthalene	ND (0.359)	123	1	10/23/12 20:39	CVJ0258	CJ22326
Acenaphthene	ND (0.359)	43	1	10/23/12 20:39	CVJ0258	CJ22326
Acenaphthylene	ND (0.359)	23	1	10/23/12 20:39	CVJ0258	CJ22326
Anthracene	ND (0.359)	35	1	10/23/12 20:39	CVJ0258	CJ22326
Benzo(a)anthracene	ND (0.359)	0.9	1	10/23/12 20:39	CVJ0258	CJ22326
Benzo(a)pyrene	ND (0.180)	0.4	1	10/23/12 20:39	CVJ0258	CJ22326
Benzo(b)fluoranthene	ND (0.359)	0.9	1	10/23/12 20:39	CVJ0258	CJ22326
Benzo(g,h,i)perylene	ND (0.359)	0.8	1	10/23/12 20:39	CVJ0258	CJ22326
Benzo(k)fluoranthene	ND (0.359)	0.9	1	10/23/12 20:39	CVJ0258	CJ22326
Chrysene	ND (0.180)	0.4	1	10/23/12 20:39	CVJ0258	CJ22326
Dibenzo(a,h)Anthracene	ND (0.180)	0.4	1	10/23/12 20:39	CVJ0258	CJ22326
Fluoranthene	ND (0.359)	20	1	10/23/12 20:39	CVJ0258	CJ22326
Fluorene	ND (0.359)	28	1	10/23/12 20:39	CVJ0258	CJ22326
Indeno(1,2,3-cd)Pyrene	ND (0.359)	0.9	1	10/23/12 20:39	CVJ0258	CJ22326
Naphthalene	ND (0.359)	54	1	10/23/12 20:39	CVJ0258	CJ22326
Phenanthrene	ND (0.359)	40	1	10/23/12 20:39	CVJ0258	CJ22326
Pyrene	ND (0.359)	13	1	10/23/12 20:39	CVJ0258	CJ22326

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>67 %</i>		<i>30-130</i>
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>70 %</i>		<i>30-130</i>
<i>Surrogate: Nitrobenzene-d5</i>	<i>65 %</i>		<i>30-130</i>
<i>Surrogate: p-Terphenyl-d14</i>	<i>91 %</i>		<i>30-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap
Client Sample ID: SSSWS02
Date Sampled: 10/23/12 13:25
Percent Solids: 95
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210478
ESS Laboratory Sample ID: 1210478-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/23/12 15:45

8270C Polynuclear Aromatic Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>RI - RES DEC</u>		<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
		<u>Limit</u>	<u>DF</u>			
2-Methylnaphthalene	ND (0.348)	123	1	10/23/12 21:12	CVJ0258	CJ22326
Acenaphthene	ND (0.348)	43	1	10/23/12 21:12	CVJ0258	CJ22326
Acenaphthylene	ND (0.348)	23	1	10/23/12 21:12	CVJ0258	CJ22326
Anthracene	ND (0.348)	35	1	10/23/12 21:12	CVJ0258	CJ22326
Benzo(a)anthracene	ND (0.348)	0.9	1	10/23/12 21:12	CVJ0258	CJ22326
Benzo(a)pyrene	ND (0.175)	0.4	1	10/23/12 21:12	CVJ0258	CJ22326
Benzo(b)fluoranthene	ND (0.348)	0.9	1	10/23/12 21:12	CVJ0258	CJ22326
Benzo(g,h,i)perylene	ND (0.348)	0.8	1	10/23/12 21:12	CVJ0258	CJ22326
Benzo(k)fluoranthene	ND (0.348)	0.9	1	10/23/12 21:12	CVJ0258	CJ22326
Chrysene	ND (0.175)	0.4	1	10/23/12 21:12	CVJ0258	CJ22326
Dibenzo(a,h)Anthracene	ND (0.175)	0.4	1	10/23/12 21:12	CVJ0258	CJ22326
Fluoranthene	ND (0.348)	20	1	10/23/12 21:12	CVJ0258	CJ22326
Fluorene	ND (0.348)	28	1	10/23/12 21:12	CVJ0258	CJ22326
Indeno(1,2,3-cd)Pyrene	ND (0.348)	0.9	1	10/23/12 21:12	CVJ0258	CJ22326
Naphthalene	ND (0.348)	54	1	10/23/12 21:12	CVJ0258	CJ22326
Phenanthrene	ND (0.348)	40	1	10/23/12 21:12	CVJ0258	CJ22326
Pyrene	ND (0.348)	13	1	10/23/12 21:12	CVJ0258	CJ22326

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	62 %		30-130
Surrogate: 2-Fluorobiphenyl	68 %		30-130
Surrogate: Nitrobenzene-d5	63 %		30-130
Surrogate: p-Terphenyl-d14	92 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210478

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Polynuclear Aromatic Hydrocarbons

Batch CJ22326 - 3546

Blank

2-Methylnaphthalene	ND	0.333	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.19		mg/kg wet	3.333		66	30-130			
Surrogate: 2-Fluorobiphenyl	2.27		mg/kg wet	3.333		68	30-130			
Surrogate: Nitrobenzene-d5	2.19		mg/kg wet	3.333		66	30-130			
Surrogate: p-Terphenyl-d14	3.11		mg/kg wet	3.333		93	30-130			

LCS

2-Methylnaphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Acenaphthene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Acenaphthylene	2.20	0.333	mg/kg wet	3.333		66	40-140			
Anthracene	2.95	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)anthracene	2.97	0.333	mg/kg wet	3.333		89	40-140			
Benzo(a)pyrene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Benzo(b)fluoranthene	2.98	0.333	mg/kg wet	3.333		89	40-140			
Benzo(g,h,i)perylene	3.12	0.333	mg/kg wet	3.333		94	40-140			
Benzo(k)fluoranthene	3.24	0.333	mg/kg wet	3.333		97	40-140			
Chrysene	2.98	0.167	mg/kg wet	3.333		89	40-140			
Dibenzo(a,h)Anthracene	3.18	0.167	mg/kg wet	3.333		96	40-140			
Fluoranthene	2.88	0.333	mg/kg wet	3.333		86	40-140			
Fluorene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Indeno(1,2,3-cd)Pyrene	3.15	0.333	mg/kg wet	3.333		95	40-140			
Naphthalene	2.31	0.333	mg/kg wet	3.333		69	40-140			
Phenanthrene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Pyrene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	2.25		mg/kg wet	3.333		68	30-130			
Surrogate: 2-Fluorobiphenyl	2.34		mg/kg wet	3.333		70	30-130			
Surrogate: Nitrobenzene-d5	2.24		mg/kg wet	3.333		67	30-130			
Surrogate: p-Terphenyl-d14	3.00		mg/kg wet	3.333		90	30-130			

LCS Dup



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210478

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Polynuclear Aromatic Hydrocarbons

Batch CJ22326 - 3546

2-Methylnaphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	7	30	
Acenaphthene	2.52	0.333	mg/kg wet	3.333		75	40-140	2	30	
Acenaphthylene	2.16	0.333	mg/kg wet	3.333		65	40-140	2	30	
Anthracene	2.97	0.333	mg/kg wet	3.333		89	40-140	0.8	30	
Benzo(a)anthracene	3.00	0.333	mg/kg wet	3.333		90	40-140	0.9	30	
Benzo(a)pyrene	2.81	0.167	mg/kg wet	3.333		84	40-140	0.5	30	
Benzo(b)fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140	0.6	30	
Benzo(g,h,i)perylene	3.11	0.333	mg/kg wet	3.333		93	40-140	0.4	30	
Benzo(k)fluoranthene	3.24	0.333	mg/kg wet	3.333		97	40-140	0.2	30	
Chrysene	3.01	0.167	mg/kg wet	3.333		90	40-140	0.9	30	
Dibenzo(a,h)Anthracene	3.16	0.167	mg/kg wet	3.333		95	40-140	0.7	30	
Fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140	0.5	30	
Fluorene	2.70	0.333	mg/kg wet	3.333		81	40-140	0.06	30	
Indeno(1,2,3-cd)Pyrene	3.12	0.333	mg/kg wet	3.333		94	40-140	0.8	30	
Naphthalene	2.11	0.333	mg/kg wet	3.333		63	40-140	9	30	
Phenanthrene	2.97	0.333	mg/kg wet	3.333		89	40-140	0.4	30	
Pyrene	3.03	0.333	mg/kg wet	3.333		91	40-140	0.8	30	
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>1.99</i>		mg/kg wet	<i>3.333</i>		<i>60</i>	<i>30-130</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>2.23</i>		mg/kg wet	<i>3.333</i>		<i>67</i>	<i>30-130</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>2.00</i>		mg/kg wet	<i>3.333</i>		<i>60</i>	<i>30-130</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>2.94</i>		mg/kg wet	<i>3.333</i>		<i>88</i>	<i>30-130</i>			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210478

Notes and Definitions

- U Analyte included in the analysis, but not detected
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: AMEC Environmental and Infrastructure
Client Project ID: Gorham Parcel C-1 Cap

ESS Laboratory Work Order: 1210478

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01

<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002

http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301

http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01

Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)

<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141

Lead Paint, Lead in Children's Metals Jewelry

<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100478
Date Project Due: 10/24/12
Days For Project: 1 Day

Items to be checked upon receipt:

- | | | | |
|--|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> No |
| <u>Cooler Temp: 0.6</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |
| <u>Iced With: Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: _____ | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: _____ | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: _____ | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: _____ | |
18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	1	NP
2	Yes	4 oz Soil Jar	1	NP
3	Yes	4 oz Soil Jar	1	NP

Completed By: OK Date/Time: 10/23/12
Reviewed By: [Signature] Date/Time: 10/23/12

CHAIN OF CUSTODY

ESS Laboratory
 Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

Turn Time If faster than 5 days, prior approval by laboratory is required # _____	Other <u>24 hr</u>	Reporting Limits RI DEL - Res.	ESS LAB PROJECT ID 1219478
State where samples were collected from: MA RI CT NH NJ NY ME Other _____	MA <input checked="" type="radio"/> RI <input type="radio"/> CT <input type="radio"/> NH <input type="radio"/> NJ <input type="radio"/> NY <input type="radio"/> ME <input type="radio"/> Other _____	Electronic Deliverable Format: Excel _____ Access _____ PDF _____ Other EA's	Yes <input checked="" type="checkbox"/> No _____

Co. Name AMEL		Project # 3650110213		Project Name (20 Char. or less) Gorham Parcel G-1 Cap		Write Required Analysis			
Contact Person Kelly Chatterton		Address 107 Audubon Rd., Suite 301		Type of Containers 74H (EPA 8270C)					
City Wakefield		State MA		Zip 01080					
Telephone # 701 245 6606		Fax # 		Email Address Kelly.Chatterton@amec.com					
ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers
1	10.23.12	1315	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SSSWN02	1	6	X
2	"	1320	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SSSWB04	1	6	X
3	"	1325	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SSSWSD2	1	6	X

Container Type: P-Poly G-Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge W-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: Yes ___ No ___ Internal Use Only: Yes ___ No ___ NA: X [] Pickup [] Technicians ___

Seals Intact: ___ Yes ___ No ___

Cooler Temp: **0.6°C** Ice

Preservation Code 1- NP, 2- HCl, 3- H₂SO₄, 4- HNO₃, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: **Phil Muller**

Comments: _____

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 10.23.12/1415	Received by: (Signature) <i>[Signature]</i>	Date/Time 10.23.12/1415
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

PAH Data Package

PAH Sample Data

ESS Laboratory

SDG: 1210478
CLASS: MSSVOA
METHOD: 8270C

ANALYSES DATA PACKAGE COVER PAGE

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Client Sample Id:

Lab Sample Id:

SSSWN02

1210478-01

SSSWB04

1210478-02

SSWS02

1210478-03

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____

Name: _____

Date: _____

Title: _____

METHOD DETECTION AND REPORTING LIMITS

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Instrument: SVOAMS5

Analyte	MDL	MRL	Units
2-Methylnaphthalene	0.072	0.333	mg/kg
Acenaphthene	0.081	0.333	mg/kg
Acenaphthylene	0.064	0.333	mg/kg
Anthracene	0.053	0.333	mg/kg
Benzo(a)anthracene	0.058	0.333	mg/kg
Benzo(a)pyrene	0.055	0.167	mg/kg
Benzo(b)fluoranthene	0.074	0.333	mg/kg
Benzo(g,h,i)perylene	0.072	0.333	mg/kg
Benzo(k)fluoranthene	0.097	0.333	mg/kg
Chrysene	0.055	0.167	mg/kg
Dibenzo(a,h)Anthracene	0.051	0.167	mg/kg
Fluoranthene	0.058	0.333	mg/kg
Fluorene	0.085	0.333	mg/kg
Indeno(1,2,3-cd)Pyrene	0.108	0.333	mg/kg
Naphthalene	0.076	0.333	mg/kg
Phenanthrene	0.083	0.333	mg/kg
Pyrene	0.077	0.333	mg/kg

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWN02

Laboratory:	<u>ESS Laboratory</u>	SDG:	<u>1210478</u>
Client:	<u>AMEC Environmental and Infrastructure</u>	Project:	<u>Gorham Parcel C-1 Cap</u>
Matrix:	<u>Soil</u>	Laboratory ID:	<u>1210478-01</u>
		File ID:	<u>SV5003202.D</u>
Sampled:	<u>10/23/12 13:15</u>	Prepared:	<u>10/23/12 15:45</u>
		Analyzed:	<u>10/23/12 20:06</u>
Solids:	<u>96.00</u>	Preparation:	<u>3546</u>
		Initial/Final:	<u>14.7 g / 0.5 ml</u>
Batch:	<u>CJ22326</u>	Sequence:	<u>CVJ0258</u>
		Calibration:	<u>1210020</u>
		Instrument:	<u>SVOAMS5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.354	U
83-32-9	Acenaphthene	1	0.354	U
208-96-8	Acenaphthylene	1	0.354	U
120-12-7	Anthracene	1	0.354	U
56-55-3	Benzo(a)anthracene	1	0.354	U
50-32-8	Benzo(a)pyrene	1	0.178	U
205-99-2	Benzo(b)fluoranthene	1	0.354	U
191-24-2	Benzo(g,h,i)perylene	1	0.354	U
207-08-9	Benzo(k)fluoranthene	1	0.354	U
218-01-9	Chrysene	1	0.178	U
53-70-3	Dibenzo(a,h)Anthracene	1	0.178	U
206-44-0	Fluoranthene	1	0.354	U
86-73-7	Fluorene	1	0.354	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.354	U
91-20-3	Naphthalene	1	0.354	U
85-01-8	Phenanthrene	1	0.354	U
129-00-0	Pyrene	1	0.354	U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.543	2.45	69	30 - 130	
2-Fluorobiphenyl	3.543	2.59	73	30 - 130	
Nitrobenzene-d5	3.543	2.38	67	30 - 130	
p-Terphenyl-d14	3.543	3.31	93	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	562092	6.051	603886	6.051	
Naphthalene-d8	2366164	8.369	2451772	8.369	
Acenaphthene-d10	1409089	11.315	1474812	11.315	
Phenanthrene-d10	2317415	14.18	2412828	14.186	
Chrysene-d12	2224424	19.697	2338789	19.709	
Perylene-d12	2180737	22.491	2135409	22.491	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWB04

Laboratory:	<u>ESS Laboratory</u>	SDG:	<u>1210478</u>
Client:	<u>AMEC Environmental and Infrastructure</u>	Project:	<u>Gorham Parcel C-1 Cap</u>
Matrix:	<u>Soil</u>	Laboratory ID:	<u>1210478-02</u>
		File ID:	<u>SV5003203.D</u>
Sampled:	<u>10/23/12 13:20</u>	Prepared:	<u>10/23/12 15:45</u>
		Analyzed:	<u>10/23/12 20:39</u>
Solids:	<u>96.00</u>	Preparation:	<u>3546</u>
		Initial/Final:	<u>14.5 g / 0.5 ml</u>
Batch:	<u>CJ22326</u>	Sequence:	<u>CVJ0258</u>
		Calibration:	<u>1210020</u>
		Instrument:	<u>SVOAMS5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.359	U
83-32-9	Acenaphthene	1	0.359	U
208-96-8	Acenaphthylene	1	0.359	U
120-12-7	Anthracene	1	0.359	U
56-55-3	Benzo(a)anthracene	1	0.359	U
50-32-8	Benzo(a)pyrene	1	0.180	U
205-99-2	Benzo(b)fluoranthene	1	0.359	U
191-24-2	Benzo(g,h,i)perylene	1	0.359	U
207-08-9	Benzo(k)fluoranthene	1	0.359	U
218-01-9	Chrysene	1	0.180	U
53-70-3	Dibenzo(a,h)Anthracene	1	0.180	U
206-44-0	Fluoranthene	1	0.359	U
86-73-7	Fluorene	1	0.359	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.359	U
91-20-3	Naphthalene	1	0.359	U
85-01-8	Phenanthrene	1	0.359	U
129-00-0	Pyrene	1	0.359	U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.592	2.42	67	30 - 130	
2-Fluorobiphenyl	3.592	2.53	70	30 - 130	
Nitrobenzene-d5	3.592	2.34	65	30 - 130	
p-Terphenyl-d14	3.592	3.29	91	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	588809	6.051	603886	6.051	
Naphthalene-d8	2473312	8.369	2451772	8.369	
Acenaphthene-d10	1465335	11.31	1474812	11.315	
Phenanthrene-d10	2426681	14.18	2412828	14.186	
Chrysene-d12	2286443	19.697	2338789	19.709	
Perylene-d12	2248483	22.491	2135409	22.491	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8270C

SSSWS02

Laboratory:	<u>ESS Laboratory</u>	SDG:	<u>1210478</u>
Client:	<u>AMEC Environmental and Infrastructure</u>	Project:	<u>Gorham Parcel C-1 Cap</u>
Matrix:	<u>Soil</u>	Laboratory ID:	<u>1210478-03</u>
		File ID:	<u>SV5003204.D</u>
Sampled:	<u>10/23/12 13:25</u>	Prepared:	<u>10/23/12 15:45</u>
		Analyzed:	<u>10/23/12 21:12</u>
Solids:	<u>95.00</u>	Preparation:	<u>3546</u>
		Initial/Final:	<u>15.1 g / 0.5 ml</u>
Batch:	<u>CJ22326</u>	Sequence:	<u>CVJ0258</u>
		Calibration:	<u>1210020</u>
		Instrument:	<u>SVOAMS5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (mg/kg dry)	Q
91-57-6	2-Methylnaphthalene	1	0.348	U
83-32-9	Acenaphthene	1	0.348	U
208-96-8	Acenaphthylene	1	0.348	U
120-12-7	Anthracene	1	0.348	U
56-55-3	Benzo(a)anthracene	1	0.348	U
50-32-8	Benzo(a)pyrene	1	0.175	U
205-99-2	Benzo(b)fluoranthene	1	0.348	U
191-24-2	Benzo(g,h,i)perylene	1	0.348	U
207-08-9	Benzo(k)fluoranthene	1	0.348	U
218-01-9	Chrysene	1	0.175	U
53-70-3	Dibenzo(a,h)Anthracene	1	0.175	U
206-44-0	Fluoranthene	1	0.348	U
86-73-7	Fluorene	1	0.348	U
193-39-5	Indeno(1,2,3-cd)Pyrene	1	0.348	U
91-20-3	Naphthalene	1	0.348	U
85-01-8	Phenanthrene	1	0.348	U
129-00-0	Pyrene	1	0.348	U

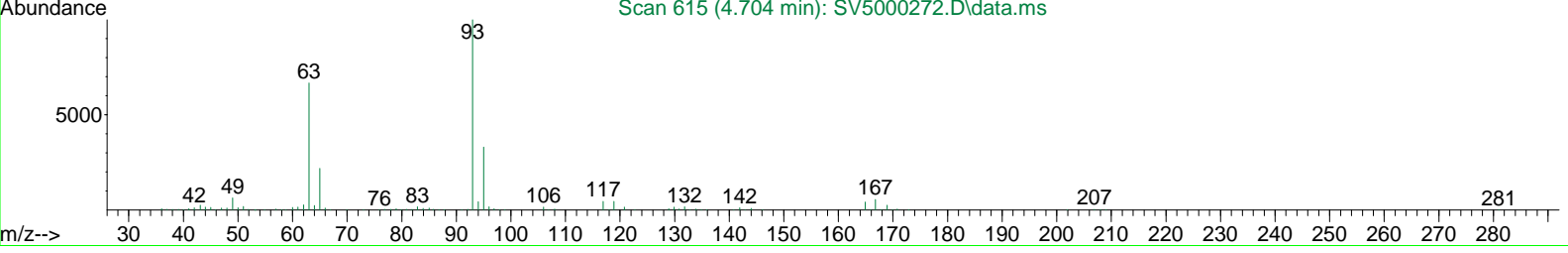
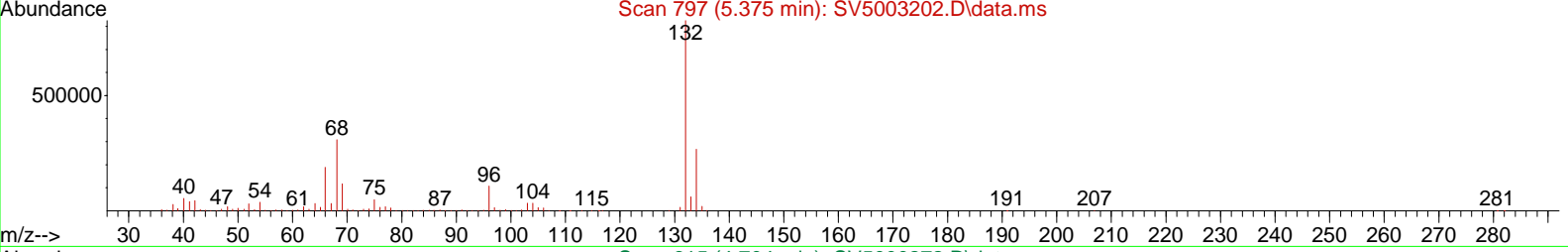
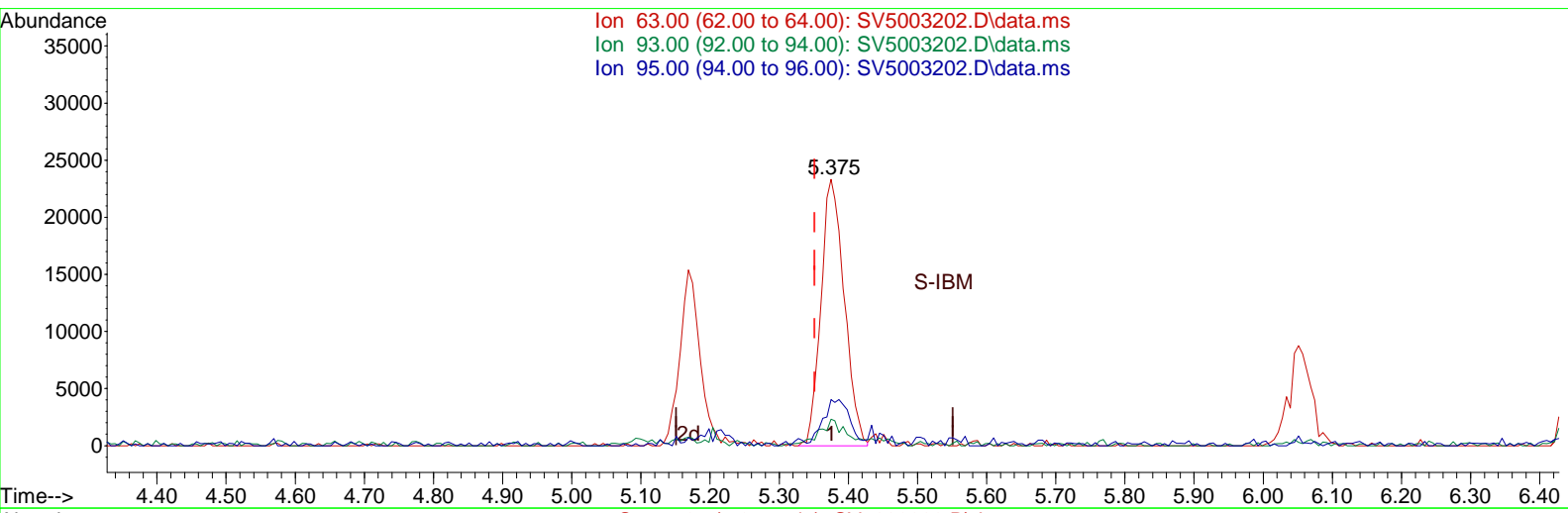
SYSTEM MONITORING COMPOUND	ADDED (mg/kg dry)	CONC (mg/kg dry)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.486	2.17	62	30 - 130	
2-Fluorobiphenyl	3.486	2.36	68	30 - 130	
Nitrobenzene-d5	3.486	2.19	63	30 - 130	
p-Terphenyl-d14	3.486	3.21	92	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	568190	6.051	603886	6.051	
Naphthalene-d8	2379030	8.369	2451772	8.369	
Acenaphthene-d10	1416386	11.316	1474812	11.315	
Phenanthrene-d10	2336622	14.18	2412828	14.186	
Chrysene-d12	2234673	19.703	2338789	19.709	
Perylene-d12	2188361	22.491	2135409	22.491	

* Values outside of QC limits

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003202.D
 Acq On : 23 Oct 2012 8:06 pm
 Operator : IBM
 Sample : 1210478-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:47:10 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



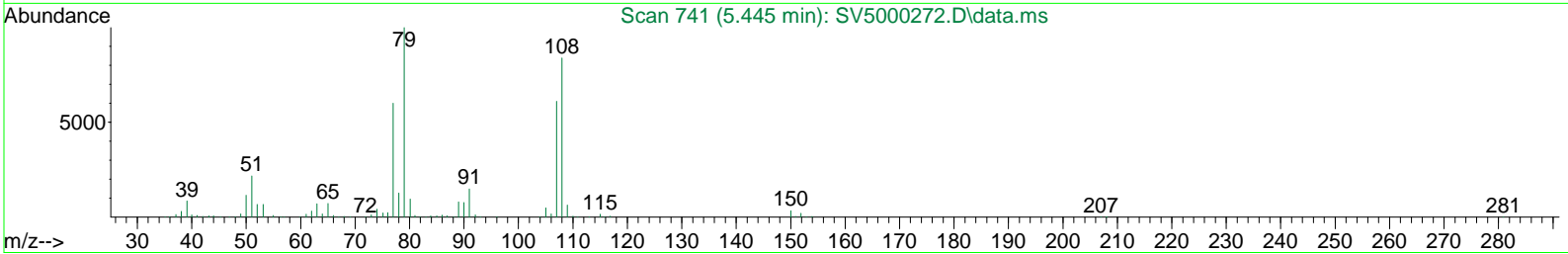
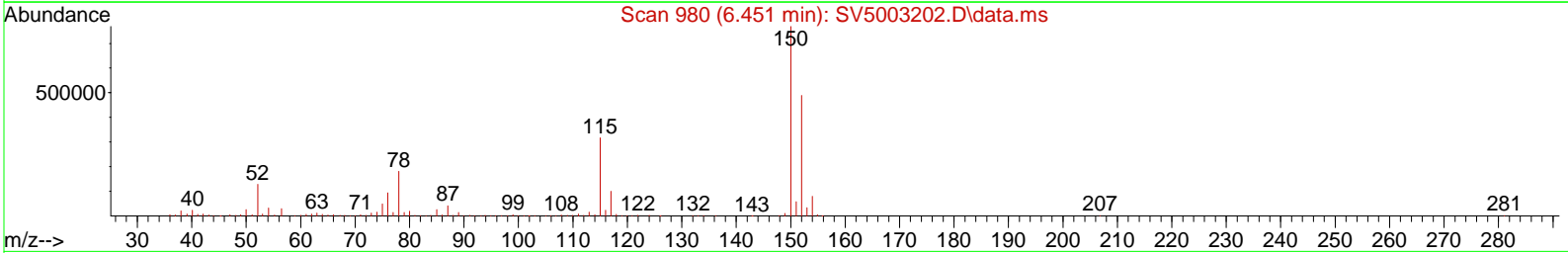
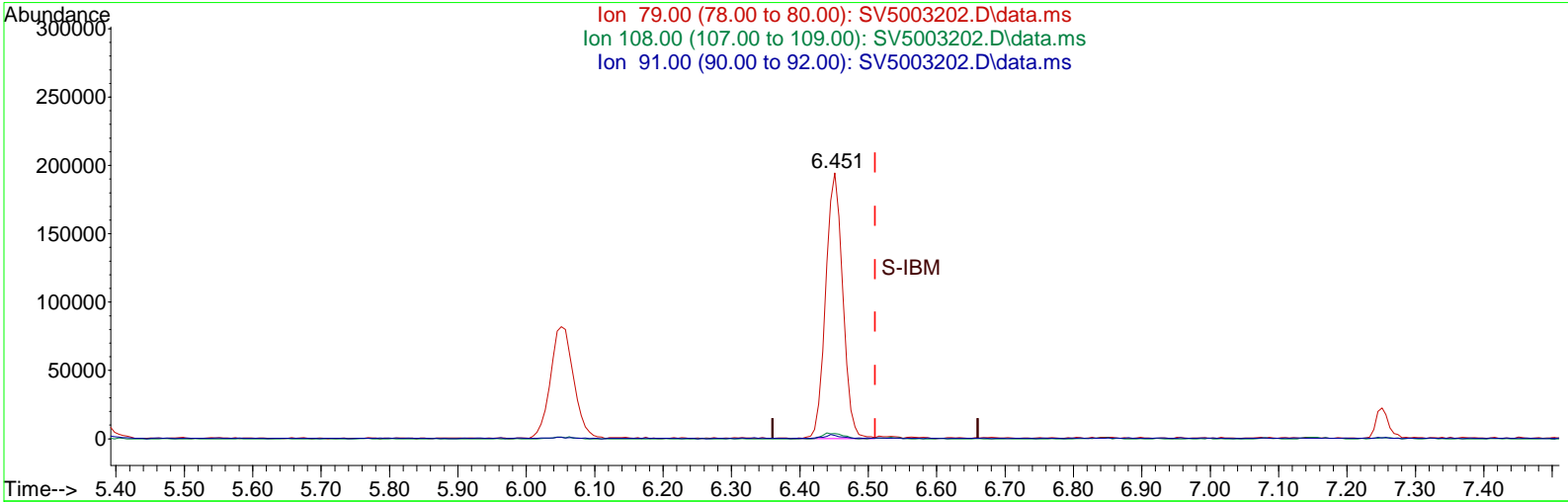
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(6) bis(2-Chloroethyl)ether
 5.375min (+0.024) 4.16 ng/uL
 response 54614

Ion	Exp%	Act%
63.00	100	100
93.00	144.80	15.57#
95.00	55.40	474.73#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003202.D
 Acq On : 23 Oct 2012 8:06 pm
 Operator : IBM
 Sample : 1210478-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:47:10 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003202.D\data.ms

(16) Benzyl Alcohol

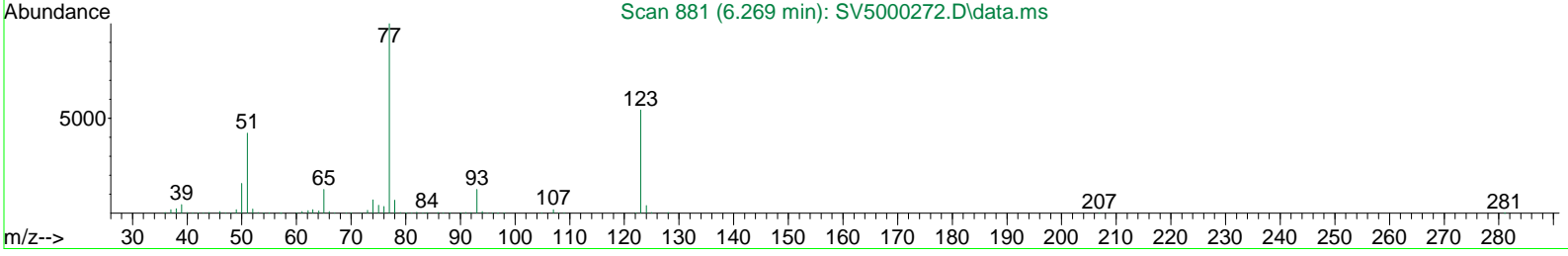
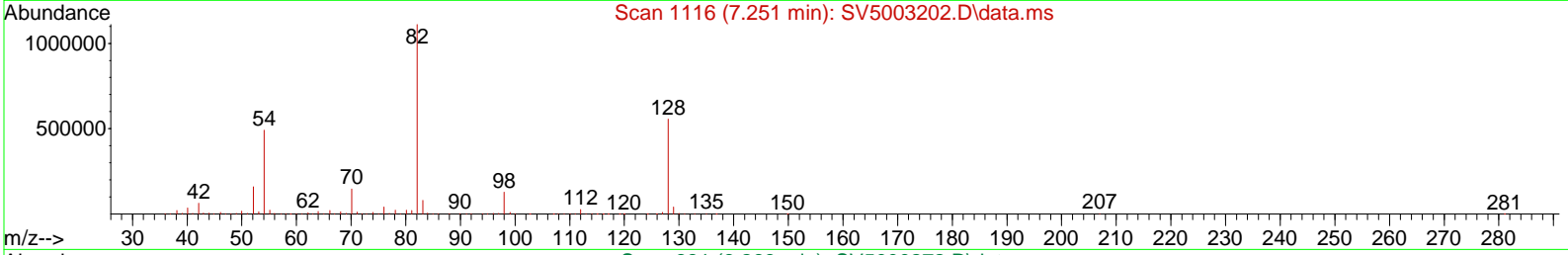
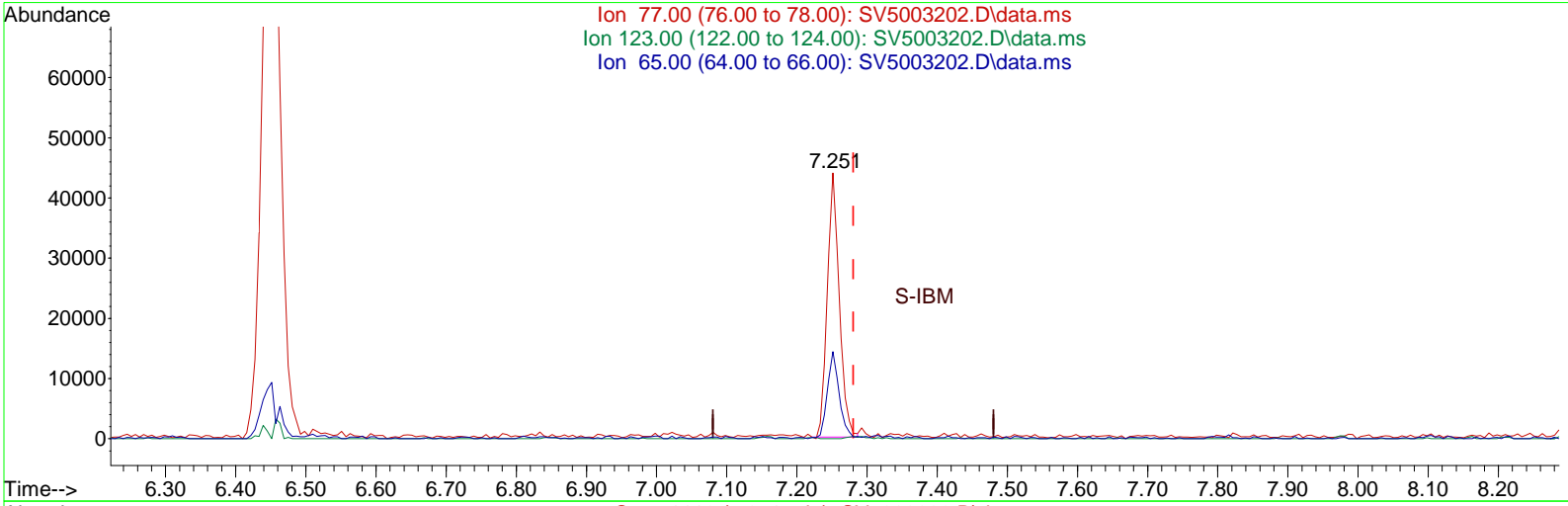
6.451min (-0.059) 21.74 ng/uL

response 336979

Ion	Exp%	Act%
79.00	100	100
108.00	134.00	2.54#
91.00	20.50	1.12
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003202.D
 Acq On : 23 Oct 2012 8:06 pm
 Operator : IBM
 Sample : 1210478-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:47:10 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003202.D\data.ms

(25) Nitrobenzene

7.251min (-0.029) 2.39 ng/uL

response 51762

Ion	Exp%	Act%
77.00	100	100
123.00	49.70	0.00#
65.00	12.20	32.73
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003202.D
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 Operator : IBM
 Sample : 1210478-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

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 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

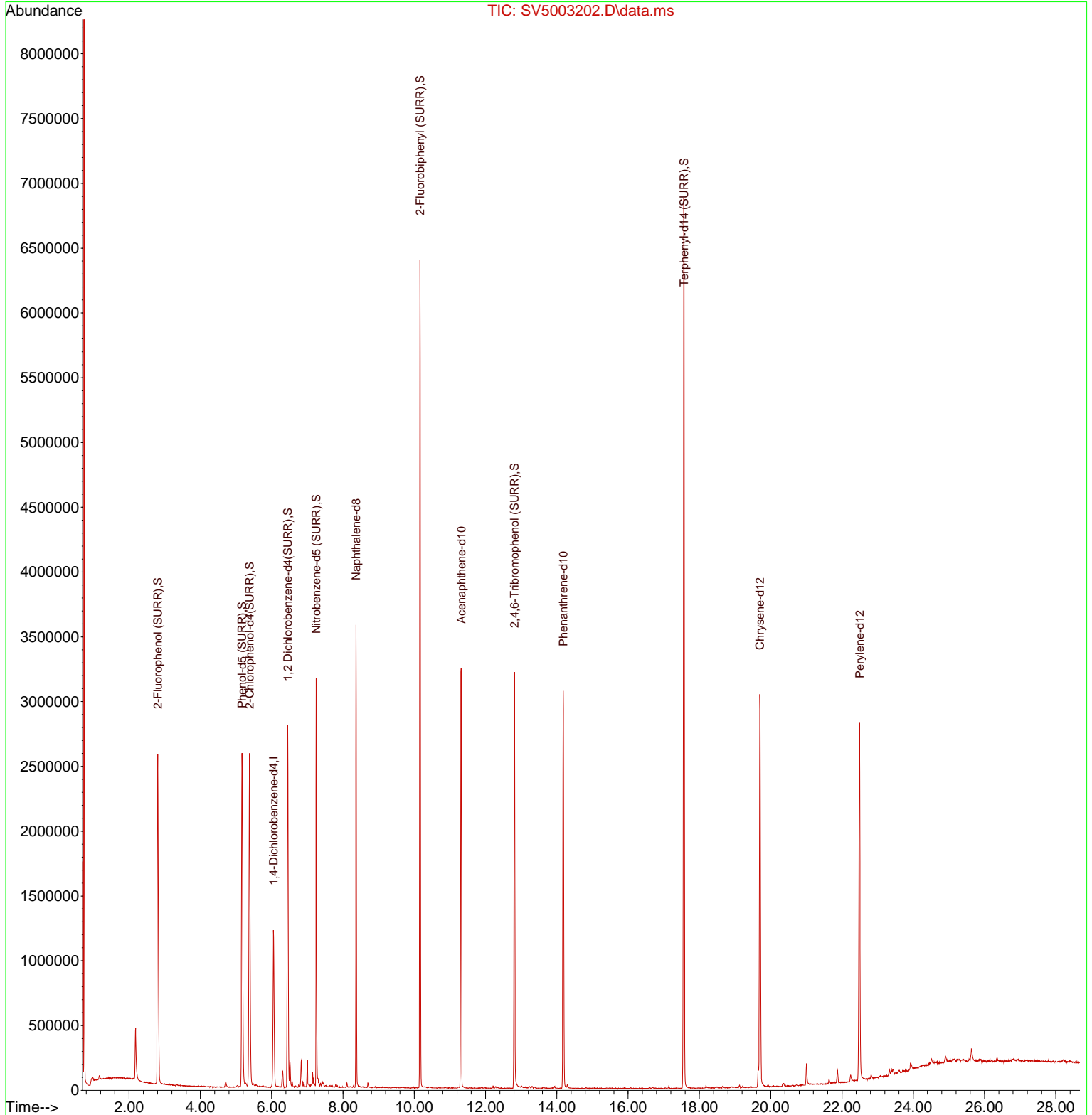
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.051	152	562092	40.00	ng/uL	0.00
23) Naphthalene-d8	8.369	136	2366164	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.315	164	1409089	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.180	188	2317415	40.00	ng/uL	0.00
79) Chrysene-d12	19.697	240	2224424	40.00	ng/uL	-0.01
87) Perylene-d12	22.491	264	2180737	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.804	112	1748474	106.16	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	70.77%	
7) Phenol-d5 (SURR)	5.169	99	2462617	112.78	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	75.19%	
11) 2-Chlorophenol-d4(SURR)	5.375	132	1999102	108.79	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	72.53%	
14) 1,2 Dichlorobenzene-d4...	6.451	152	953114	69.23	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	69.23%	
24) Nitrobenzene-d5 (SURR)	7.251	82	1370636	67.11	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	67.11%	
45) 2-Fluorobiphenyl (SURR)	10.163	172	3960545	73.21	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	73.21%	
67) 2,4,6-Tribromophenol (...)	12.809	330	598019	132.92	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	88.61%	
81) Terphenyl-d14 (SURR)	17.562	244	4626519	93.32	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	93.32%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

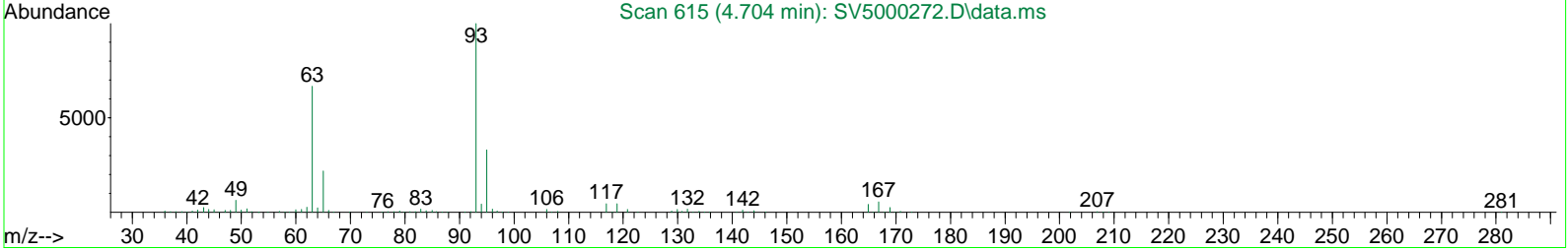
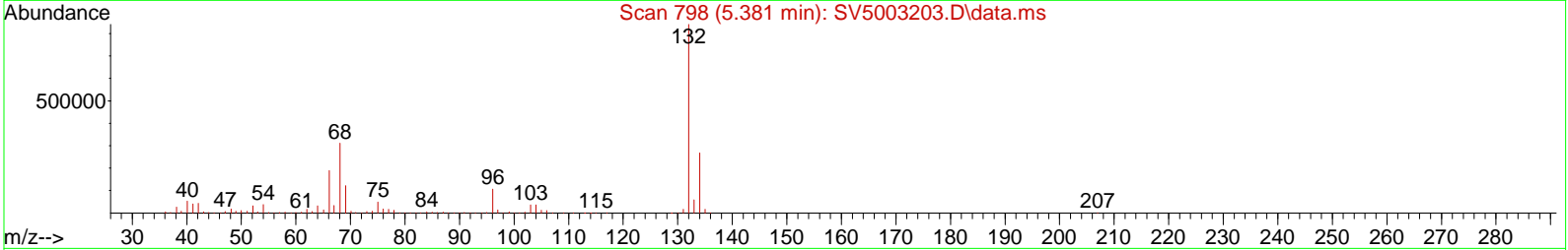
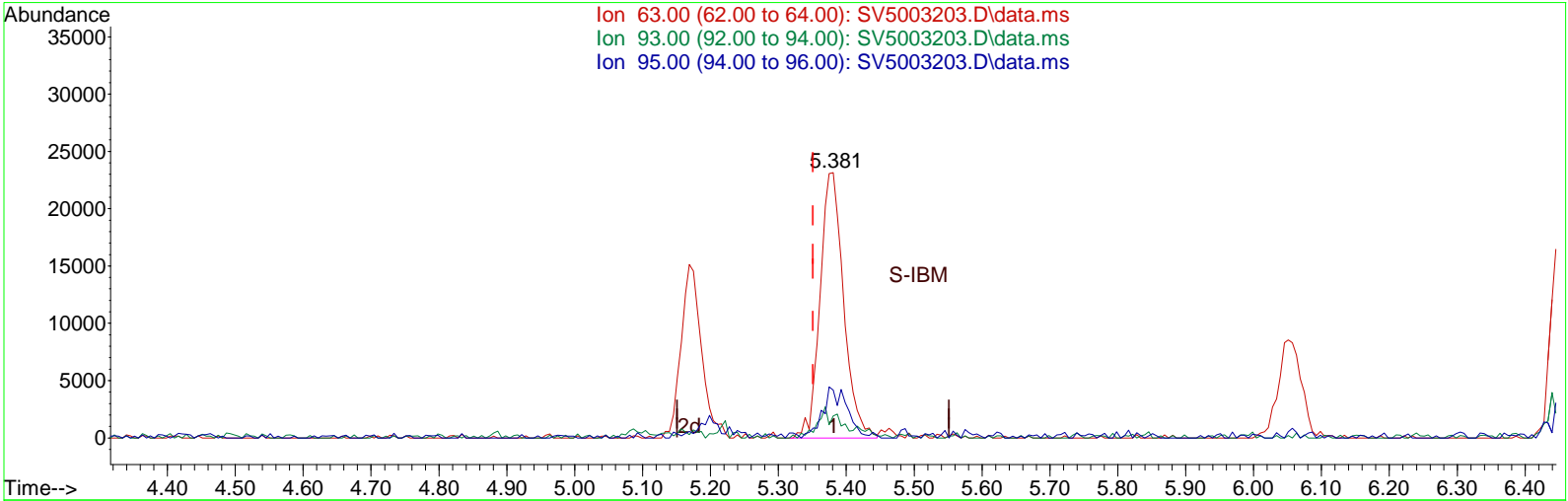
Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003202.D
 Acq On : 23 Oct 2012 8:06 pm
 Operator : IBM
 Sample : 1210478-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:52:15 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003203.D
 Acq On : 23 Oct 2012 8:39 pm
 Operator : IBM
 Sample : 1210478-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:52:36 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



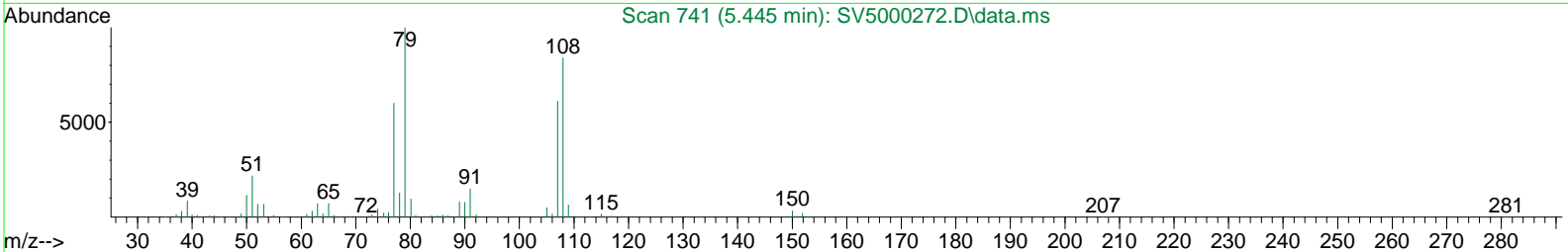
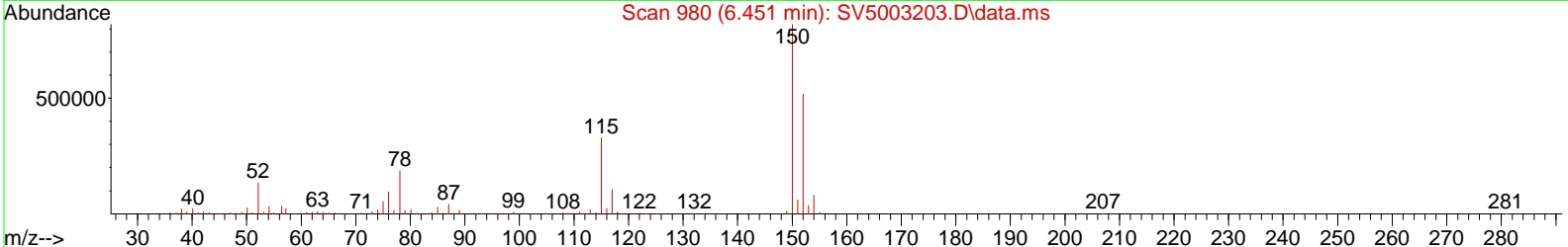
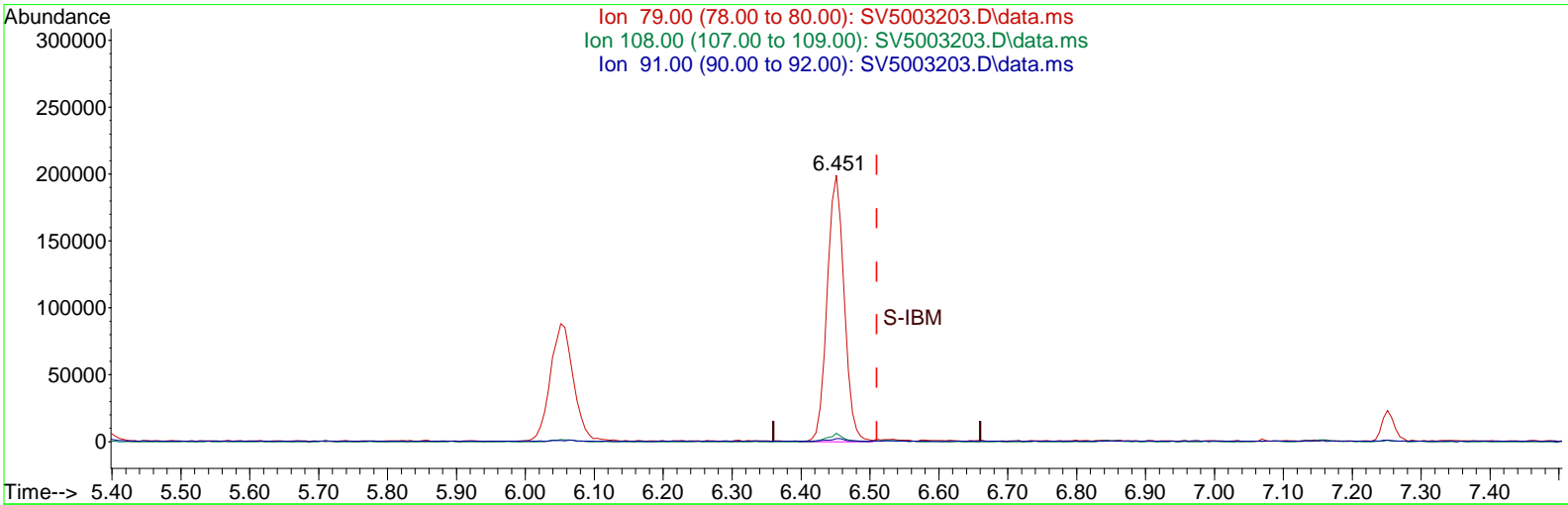
TIC: SV5003203.D\data.ms

(6) bis(2-Chloroethyl)ether
 5.381min (+0.030) 4.05 ng/uL
 response 55724

Ion	Exp%	Act%
63.00	100	100
93.00	144.80	3.43#
95.00	55.40	7.51#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003203.D
 Acq On : 23 Oct 2012 8:39 pm
 Operator : IBM
 Sample : 1210478-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:52:36 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003203.D\data.ms

(16) Benzyl Alcohol

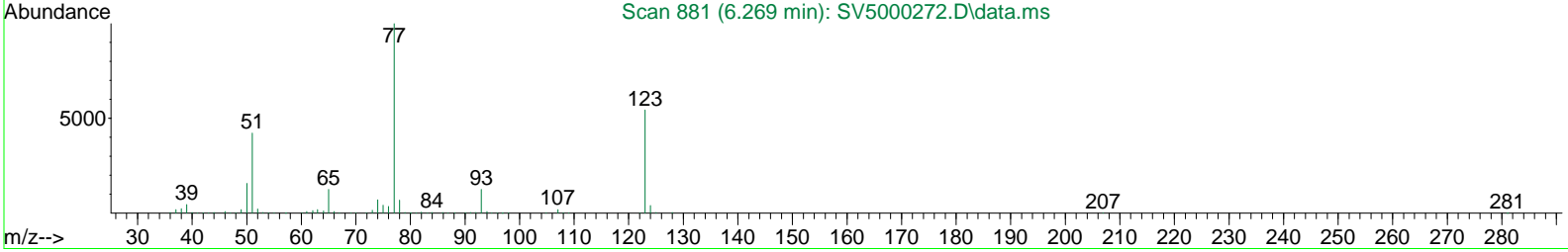
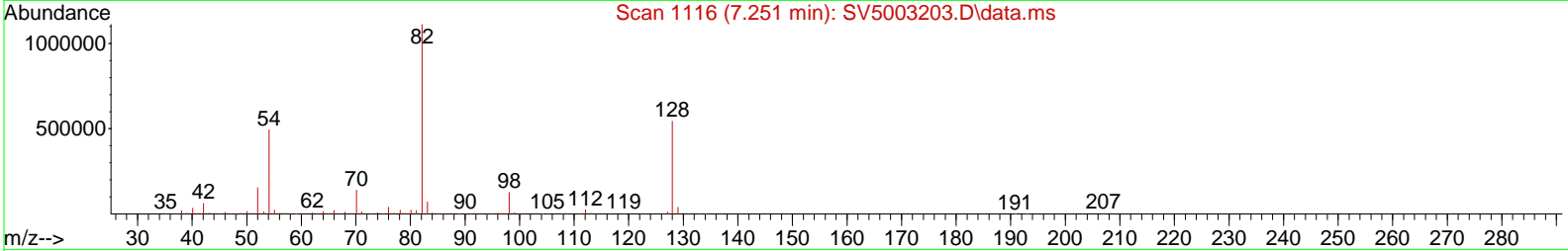
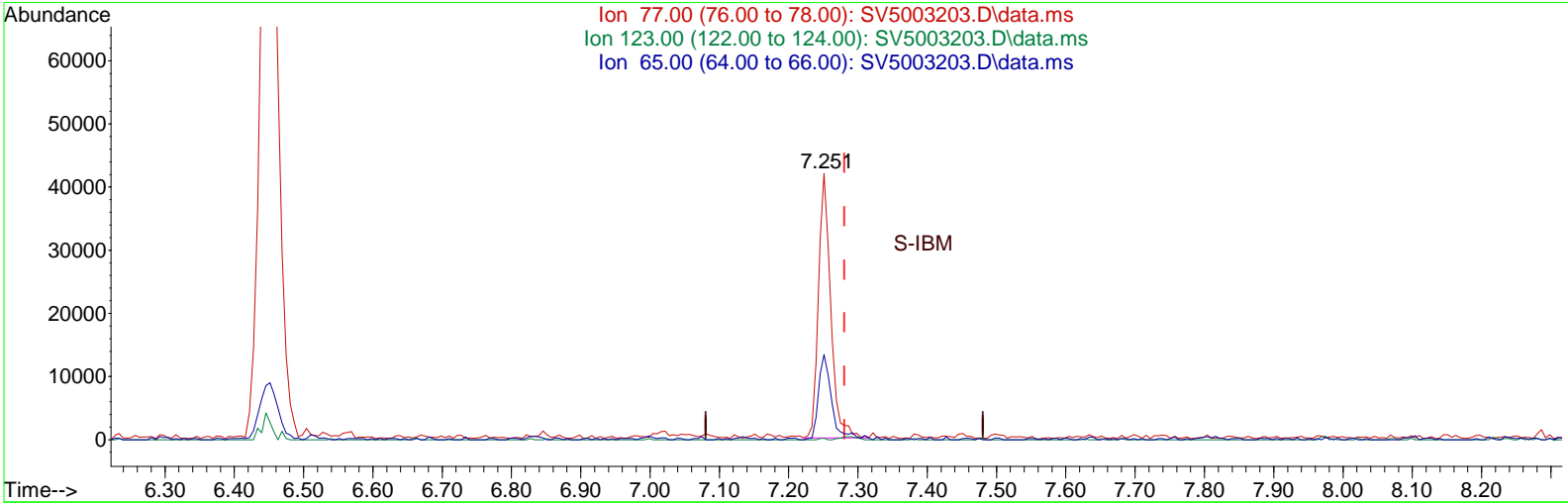
6.451min (-0.059) 20.98 ng/uL

response 340670

Ion	Exp%	Act%
79.00	100	100
108.00	134.00	3.16#
91.00	20.50	1.51
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003203.D
 Acq On : 23 Oct 2012 8:39 pm
 Operator : IBM
 Sample : 1210478-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:52:36 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003203.D\data.ms

(25) Nitrobenzene

7.251min (-0.029) 2.30 ng/uL

response 52024

Ion	Exp%	Act%
77.00	100	100
123.00	49.70	0.55#
65.00	12.20	78.91#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003203.D
 Acq On : 23 Oct 2012 8:39 pm
 Operator : IBM
 Sample : 1210478-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:53:30 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

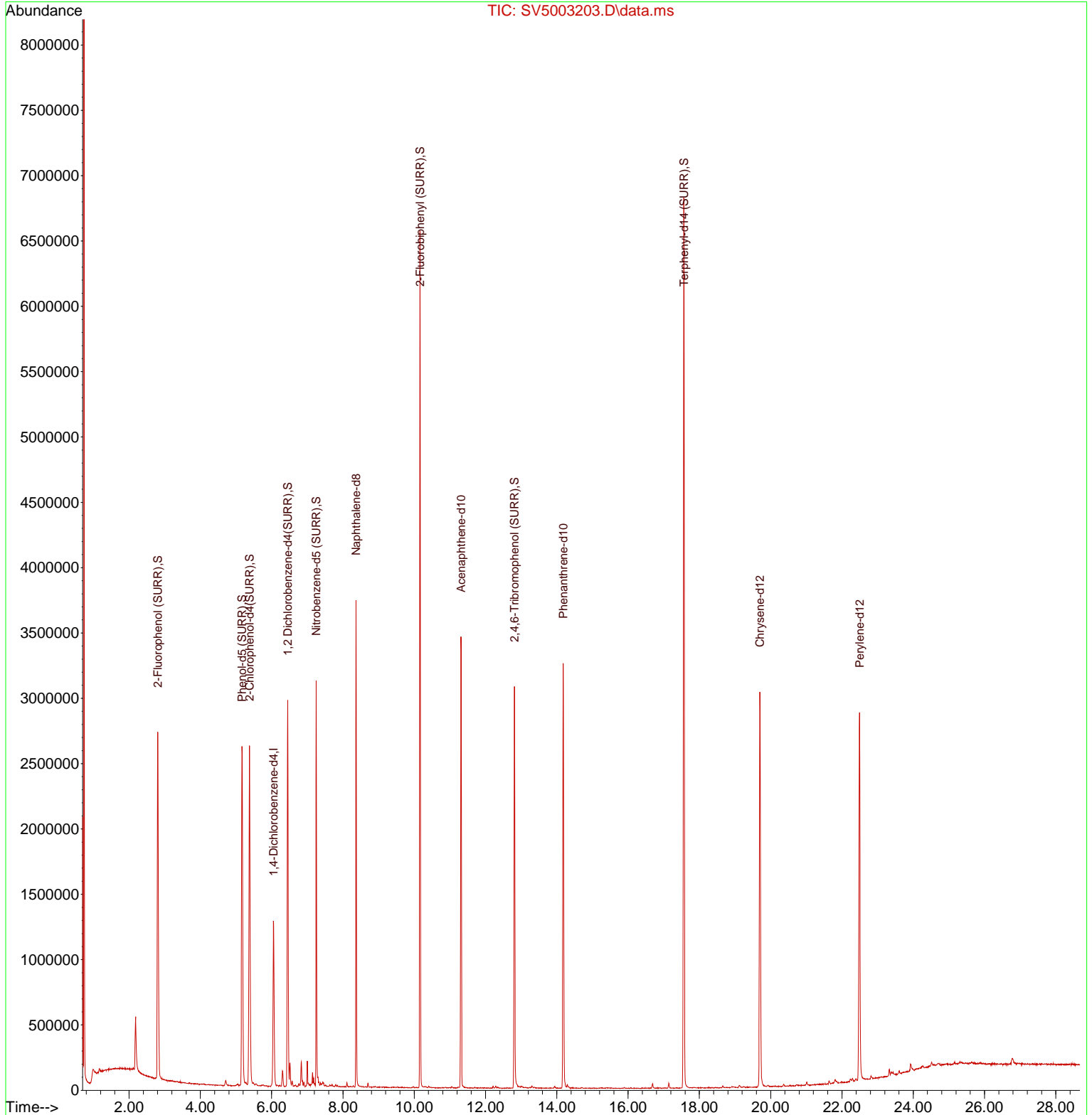
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.051	152	588809	40.00	ng/uL	0.00
23) Naphthalene-d8	8.369	136	2473312	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.310	164	1465335	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.180	188	2426681	40.00	ng/uL	0.00
79) Chrysene-d12	19.697	240	2286443	40.00	ng/uL	-0.01
87) Perylene-d12	22.491	264	2248483	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.804	112	1773806	102.81	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	68.54%	
7) Phenol-d5 (SURR)	5.169	99	2497732	109.19	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	72.79%	
11) 2-Chlorophenol-d4(SURR)	5.381	132	2042058	106.09	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	70.73%	
14) 1,2 Dichlorobenzene-d4...	6.451	152	971616	67.37	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	67.37%	
24) Nitrobenzene-d5 (SURR)	7.251	82	1388430	65.03	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	65.03%	
45) 2-Fluorobiphenyl (SURR)	10.163	172	3960244	70.40	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	70.40%	
67) 2,4,6-Tribromophenol (...)	12.810	330	571273	121.25	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	80.83%	
81) Terphenyl-d14 (SURR)	17.562	244	4660721	91.46	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	91.46%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

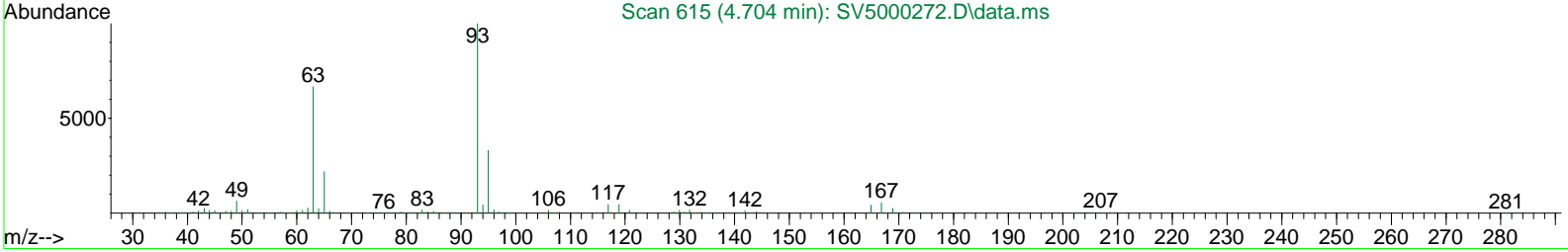
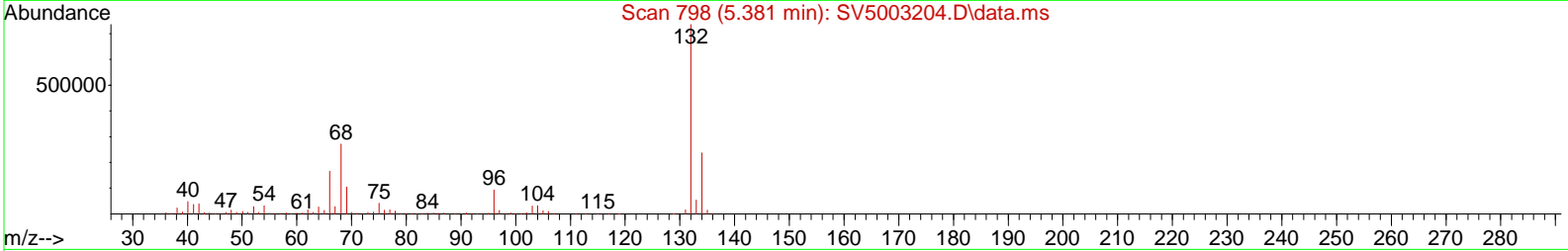
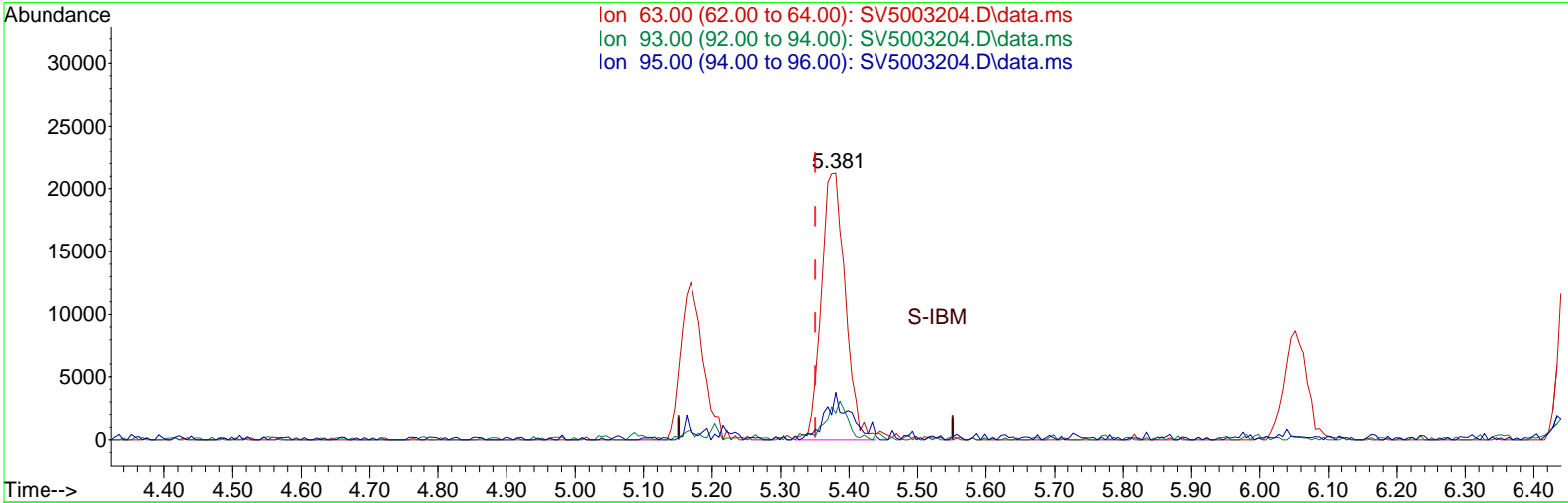
Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003203.D
 Acq On : 23 Oct 2012 8:39 pm
 Operator : IBM
 Sample : 1210478-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:53:30 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003204.D
 Acq On : 23 Oct 2012 9:12 pm
 Operator : IBM
 Sample : 1210478-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:53:47 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003204.D\data.ms

(6) bis(2-Chloroethyl)ether

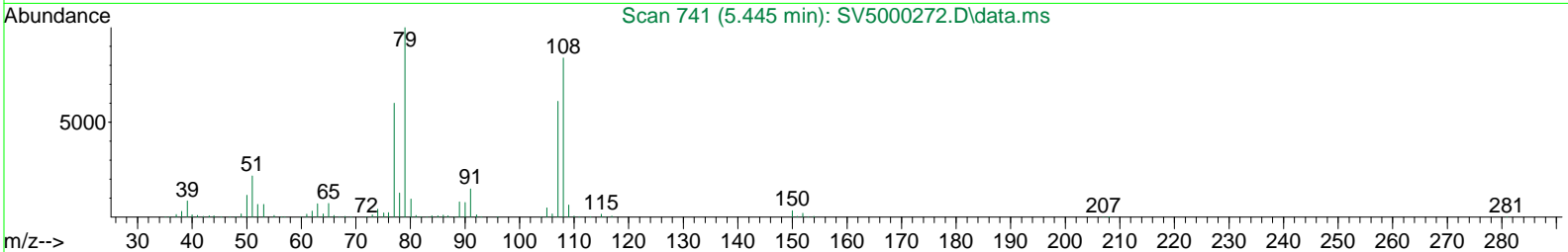
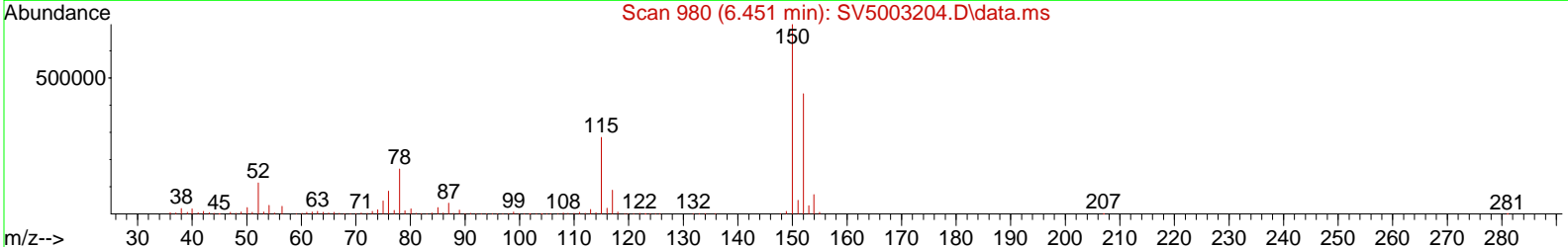
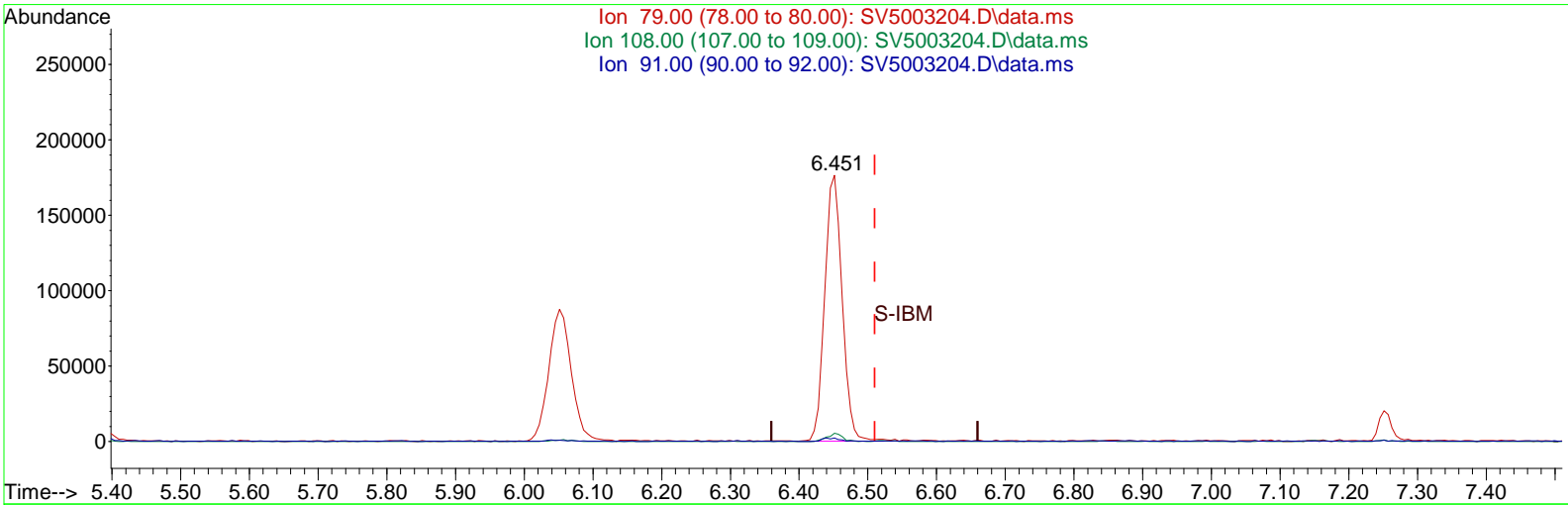
5.381min (+0.030) 3.89 ng/uL

response 51639

Ion	Exp%	Act%
63.00	100	100
93.00	144.80	6.98#
95.00	55.40	200.02#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003204.D
 Acq On : 23 Oct 2012 9:12 pm
 Operator : IBM
 Sample : 1210478-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:53:47 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003204.D\data.ms

(16) Benzyl Alcohol

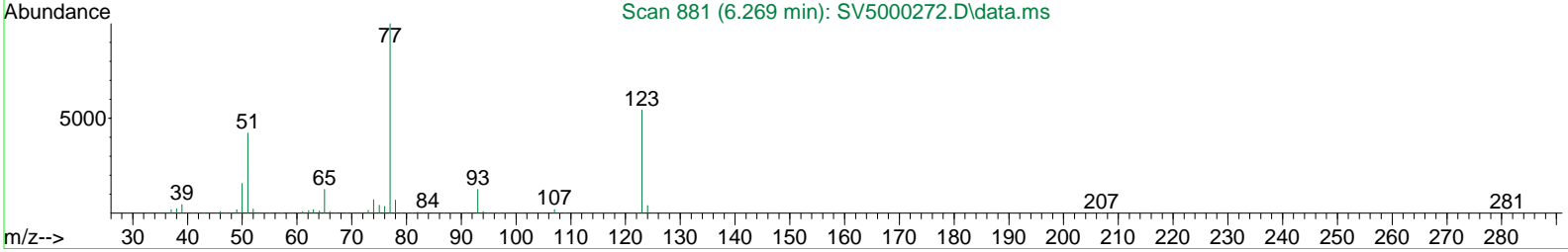
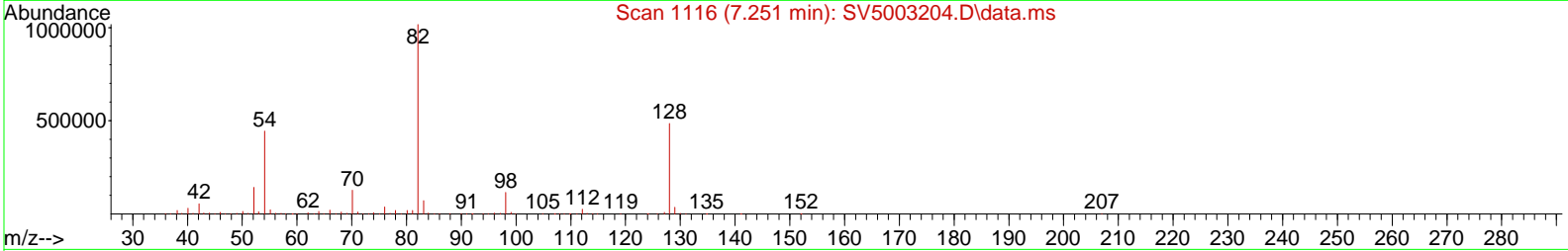
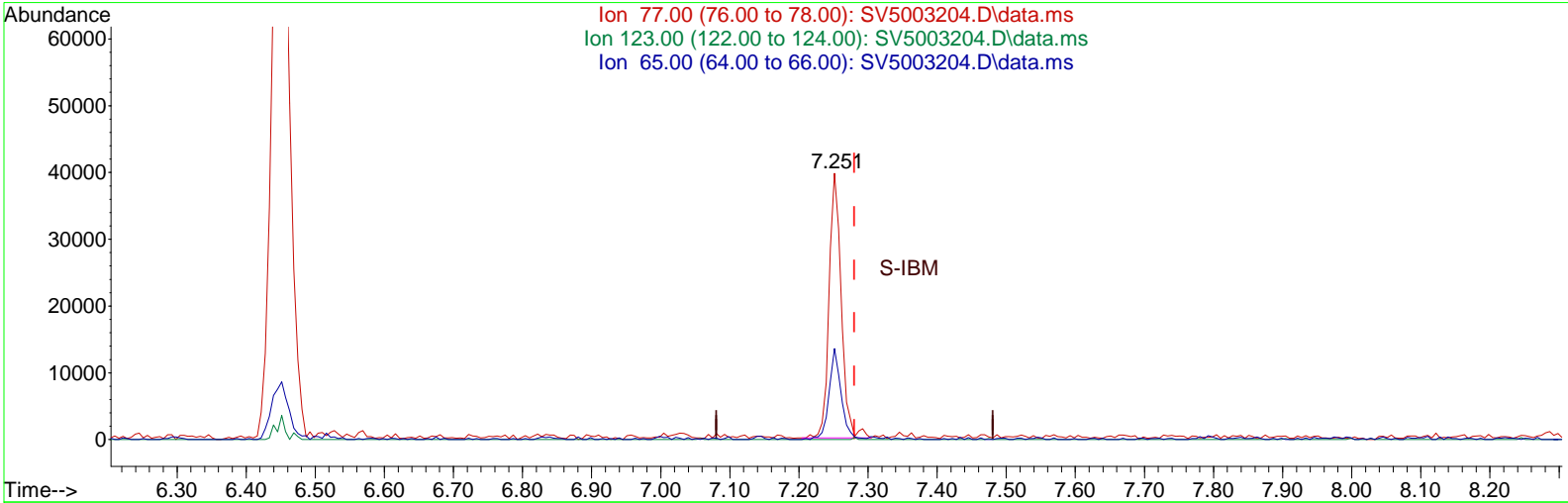
6.451min (-0.059) 19.80 ng/uL

response 310318

Ion	Exp%	Act%
79.00	100	100
108.00	134.00	3.14#
91.00	20.50	1.63
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003204.D
 Acq On : 23 Oct 2012 9:12 pm
 Operator : IBM
 Sample : 1210478-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:53:47 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003204.D\data.ms

(25) Nitrobenzene

7.251min (-0.029) 2.24 ng/uL

response 48879

Ion	Exp%	Act%
77.00	100	100
123.00	49.70	0.38#
65.00	12.20	55.95#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003204.D
 Acq On : 23 Oct 2012 9:12 pm
 Operator : IBM
 Sample : 1210478-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:54:53 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

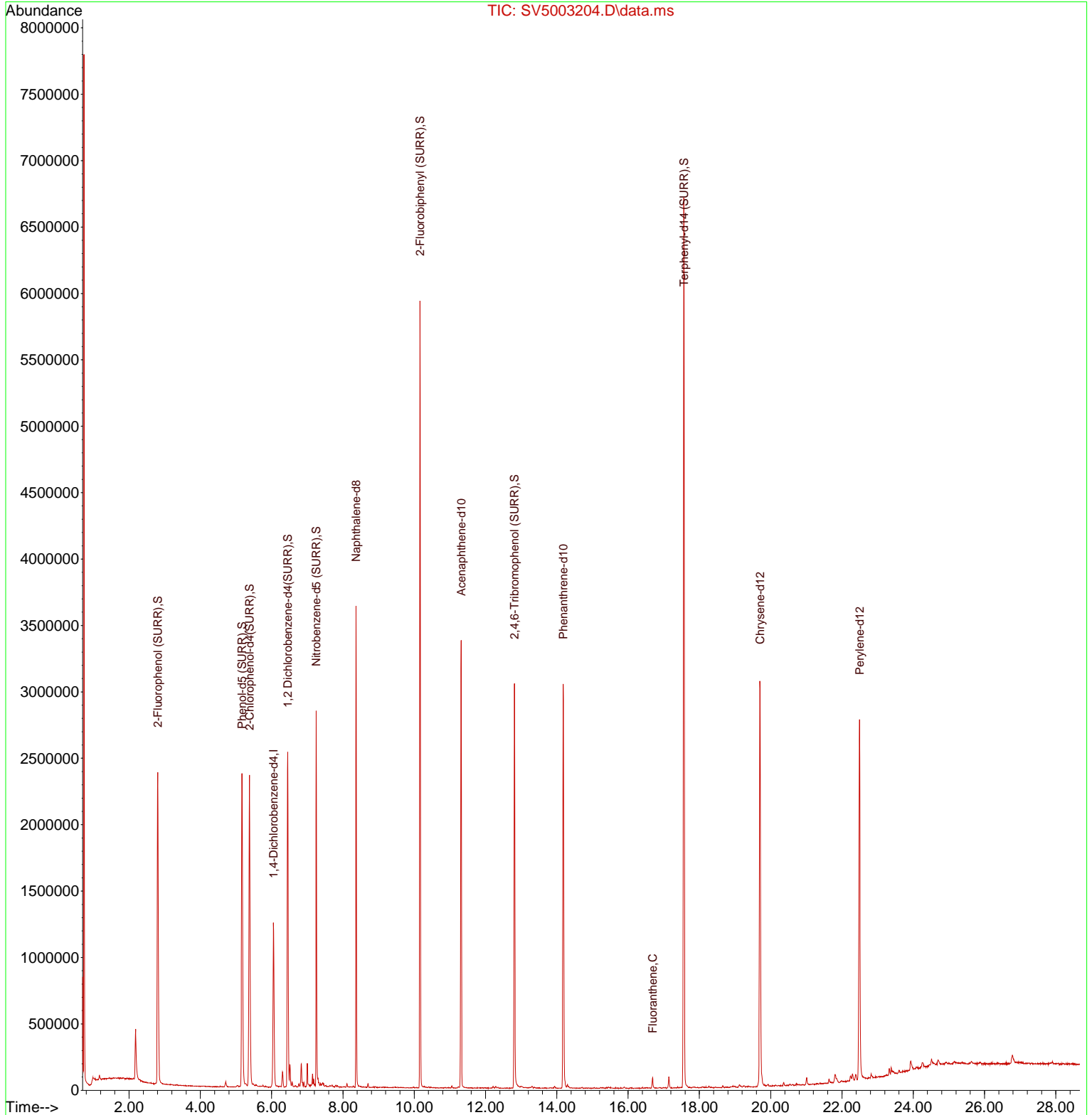
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

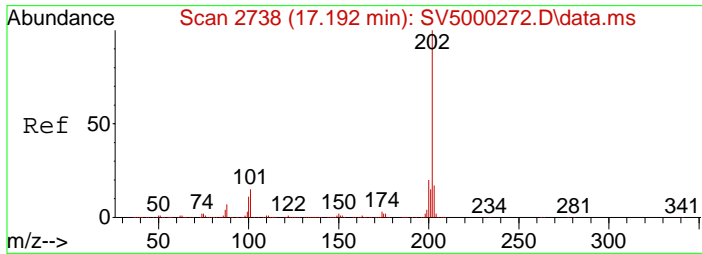
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.051	152	568190	40.00	ng/uL	0.00
23) Naphthalene-d8	8.369	136	2379030	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.316	164	1416386	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.180	188	2336622	40.00	ng/uL	0.00
79) Chrysene-d12	19.703	240	2234673	40.00	ng/uL	0.00
87) Perylene-d12	22.491	264	2188361	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.804	112	1583853	95.13	ng/uL	0.00
Spiked Amount	150.000					
			Recovery	=	63.42%	
7) Phenol-d5 (SURR)	5.169	99	2278079	103.21	ng/uL	0.00
Spiked Amount	150.000					
			Recovery	=	68.81%	
11) 2-Chlorophenol-d4(SURR)	5.375	132	1815856	97.76	ng/uL	0.00
Spiked Amount	150.000					
			Recovery	=	65.17%	
14) 1,2 Dichlorobenzene-d4...	6.451	152	865395	62.18	ng/uL	0.00
Spiked Amount	100.000					
			Recovery	=	62.18%	
24) Nitrobenzene-d5 (SURR)	7.251	82	1290508	62.84	ng/uL	0.00
Spiked Amount	100.000					
			Recovery	=	62.84%	
45) 2-Fluorobiphenyl (SURR)	10.163	172	3678470	67.65	ng/uL	0.00
Spiked Amount	100.000					
			Recovery	=	67.65%	
67) 2,4,6-Tribromophenol (...)	12.810	330	555963	122.55	ng/uL	0.00
Spiked Amount	150.000					
			Recovery	=	81.70%	
81) Terphenyl-d14 (SURR)	17.562	244	4583588	92.03	ng/uL	0.00
Spiked Amount	100.000					
			Recovery	=	92.03%	
Target Compounds						
77) Fluoranthene	16.686	202	69442	1.00	ng/uL	Qvalue 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003204.D
 Acq On : 23 Oct 2012 9:12 pm
 Operator : IBM
 Sample : 1210478-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

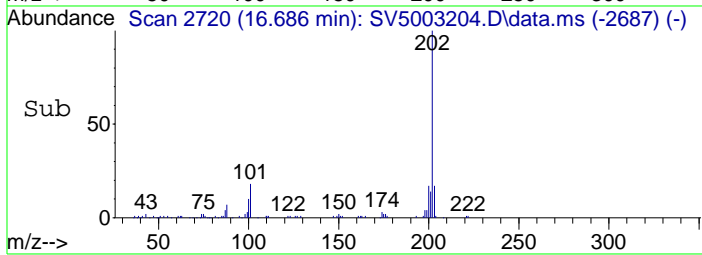
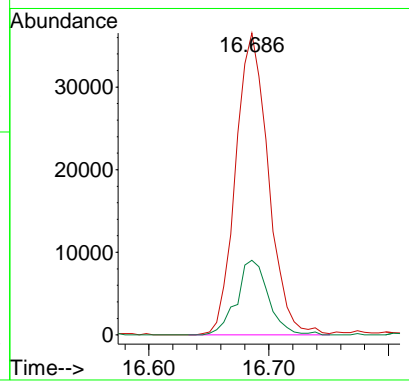
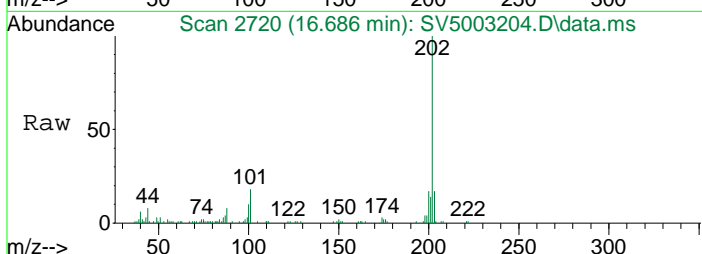
Quant Time: Oct 24 08:54:53 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration





#77
 Fluoranthene
 Concen: 1.00 ng/uL
 RT: 16.686 min Scan# 2720
 Delta R.T. -0.006 min
 Lab File: SV5003204.D
 Acq: 23 Oct 2012 9:12 pm

Tgt Ion	Resp	Lower	Upper
202	69442	100	100
101	24.7	0.0	56.7



PAH Quality Control Data

PREPARATION BATCH SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Batch: CJ22326 Batch Matrix: Solid

Preparation: 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
SSSWN02	1210478-01	SV5003202.D	10/23/12 15:45	data package
SSSWB04	1210478-02	SV5003203.D	10/23/12 15:45	data package
SSSWS02	1210478-03	SV5003204.D	10/23/12 15:45	data package
Blank	CJ22326-BLK1	SV5003199.D	10/23/12 15:45	
LCS	CJ22326-BS1	SV5003200.D	10/23/12 15:45	
LCS Dup	CJ22326-BSD1	SV5003201.D	10/23/12 15:45	
SSSWS02	CJ22326-MS1	SV5003205.D	10/23/12 15:45	
SSSWS02	CJ22326-MSD1	SV5003206.D	10/23/12 15:45	

METHOD BLANK DATA SHEET

8270C

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210478</u>	
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>	
Matrix: <u>Solid</u>	Laboratory ID: <u>CJ22326-BLK1</u>	File ID: <u>SV5003199.D</u>
Prepared: <u>10/23/12 15:45</u>	Preparation: <u>3546</u>	Initial/Final: <u>15 g / 0.5 ml</u>
Analyzed: <u>10/23/12 18:26</u>	Instrument: <u>SVOAMS5</u>	
Batch: <u>CJ22326</u>	Sequence: <u>CVJ0258</u>	Calibration: <u>1210020</u>

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
91-57-6	2-Methylnaphthalene	0.333	U
83-32-9	Acenaphthene	0.333	U
208-96-8	Acenaphthylene	0.333	U
120-12-7	Anthracene	0.333	U
56-55-3	Benzo(a)anthracene	0.333	U
50-32-8	Benzo(a)pyrene	0.167	U
205-99-2	Benzo(b)fluoranthene	0.333	U
191-24-2	Benzo(g,h,i)perylene	0.333	U
207-08-9	Benzo(k)fluoranthene	0.333	U
218-01-9	Chrysene	0.167	U
53-70-3	Dibenzo(a,h)Anthracene	0.167	U
206-44-0	Fluoranthene	0.333	U
86-73-7	Fluorene	0.333	U
193-39-5	Indeno(1,2,3-cd)Pyrene	0.333	U
91-20-3	Naphthalene	0.333	U
85-01-8	Phenanthrene	0.333	U
129-00-0	Pyrene	0.333	U

SYSTEM MONITORING COMPOUND	ADDED (mg/kg wet)	CONC (mg/kg wet)	% REC	QC LIMITS	Q
1,2-Dichlorobenzene-d4	3.333	2.19	66	30 - 130	
2-Fluorobiphenyl	3.333	2.27	68	30 - 130	
Nitrobenzene-d5	3.333	2.19	66	30 - 130	
p-Terphenyl-d14	3.333	3.11	93	30 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
1,4-Dichlorobenzene-d4	627349	6.057	603886	6.051	
Naphthalene-d8	2606587	8.369	2451772	8.369	
Acenaphthene-d10	1567394	11.316	1474812	11.315	
Phenanthrene-d10	2575603	14.18	2412828	14.186	
Chrysene-d12	2426352	19.703	2338789	19.709	
Perylene-d12	2460005	22.491	2135409	22.491	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8270C

SSWS02

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ22326

Laboratory ID: CJ22326-MS1

Preparation: 3546

Initial/Final: 14.8 g / 0.5 ml

Source Sample Name: SSWS02

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. #	QC LIMITS REC.
2-Methylnaphthalene	3.556	ND	2.58	73	40 - 140
Acenaphthene	3.556	ND	2.89	81	40 - 140
Acenaphthylene	3.556	ND	2.50	70	40 - 140
Anthracene	3.556	ND	3.26	92	40 - 140
Benzo(a)anthracene	3.556	ND	3.33	94	40 - 140
Benzo(a)pyrene	3.556	ND	3.18	90	40 - 140
Benzo(b)fluoranthene	3.556	ND	3.37	95	40 - 140
Benzo(g,h,i)perylene	3.556	ND	3.57	100	40 - 140
Benzo(k)fluoranthene	3.556	ND	3.68	103	40 - 140
Chrysene	3.556	ND	3.41	96	40 - 140
Dibenzo(a,h)Anthracene	3.556	ND	3.57	100	40 - 140
Fluoranthene	3.556	ND	3.28	92	40 - 140
Fluorene	3.556	ND	3.02	85	40 - 140
Indeno(1,2,3-cd)Pyrene	3.556	ND	3.56	100	40 - 140
Naphthalene	3.556	ND	2.53	71	40 - 140
Phenanthrene	3.556	ND	3.27	92	40 - 140
Pyrene	3.556	ND	3.41	96	40 - 140

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
2-Methylnaphthalene	3.655	3.08	84	18	30	40 - 140
Acenaphthene	3.655	3.22	88	11	30	40 - 140
Acenaphthylene	3.655	2.75	75	10	30	40 - 140
Anthracene	3.655	3.36	92	3	30	40 - 140
Benzo(a)anthracene	3.655	3.32	91	0.3	30	40 - 140
Benzo(a)pyrene	3.655	3.15	86	1	30	40 - 140
Benzo(b)fluoranthene	3.655	3.35	92	0.7	30	40 - 140
Benzo(g,h,i)perylene	3.655	3.52	96	1	30	40 - 140
Benzo(k)fluoranthene	3.655	3.61	99	2	30	40 - 140
Chrysene	3.655	3.40	93	0.5	30	40 - 140
Dibenzo(a,h)Anthracene	3.655	3.51	96	2	30	40 - 140
Fluoranthene	3.655	3.32	91	1	30	40 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8270C

SSWS02

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ22326

Laboratory ID: CJ22326-MSD1

Preparation: 3546

Initial/Final: 14.4 g / 0.5 ml

Source Sample Name: SSWS02

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Fluorene	3.655	3.26	89	8	30	40 - 140
Indeno(1,2,3-cd)Pyrene	3.655	3.49	95	2	30	40 - 140
Naphthalene	3.655	3.07	84	19	30	40 - 140
Phenanthrene	3.655	3.42	93	4	30	40 - 140
Pyrene	3.655	3.44	94	0.8	30	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ22326

Laboratory ID: CJ22326-BS1

Preparation: 3546

Initial/Final: 15 g / 0.5 ml

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. #	QC LIMITS REC.
2-Methylnaphthalene	3.333	2.33	70	40 - 140
Acenaphthene	3.333	2.57	77	40 - 140
Acenaphthylene	3.333	2.20	66	40 - 140
Anthracene	3.333	2.95	89	40 - 140
Benzo(a)anthracene	3.333	2.97	89	40 - 140
Benzo(a)pyrene	3.333	2.82	85	40 - 140
Benzo(b)fluoranthene	3.333	2.98	89	40 - 140
Benzo(g,h,i)perylene	3.333	3.12	94	40 - 140
Benzo(k)fluoranthene	3.333	3.24	97	40 - 140
Chrysene	3.333	2.98	89	40 - 140
Dibenzo(a,h)Anthracene	3.333	3.18	96	40 - 140
Fluoranthene	3.333	2.88	86	40 - 140
Fluorene	3.333	2.70	81	40 - 140
Indeno(1,2,3-cd)Pyrene	3.333	3.15	95	40 - 140
Naphthalene	3.333	2.31	69	40 - 140
Phenanthrene	3.333	2.96	89	40 - 140
Pyrene	3.333	3.00	90	40 - 140

COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
2-Methylnaphthalene	3.333	2.18	65	7	30	40 - 140
Acenaphthene	3.333	2.52	75	2	30	40 - 140
Acenaphthylene	3.333	2.16	65	2	30	40 - 140
Anthracene	3.333	2.97	89	0.8	30	40 - 140
Benzo(a)anthracene	3.333	3.00	90	0.9	30	40 - 140
Benzo(a)pyrene	3.333	2.81	84	0.5	30	40 - 140
Benzo(b)fluoranthene	3.333	3.00	90	0.6	30	40 - 140
Benzo(g,h,i)perylene	3.333	3.11	93	0.4	30	40 - 140
Benzo(k)fluoranthene	3.333	3.24	97	0.2	30	40 - 140
Chrysene	3.333	3.01	90	0.9	30	40 - 140

LCS / LCS DUPLICATE RECOVERY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Matrix: Solid

Batch: CJ22326

Laboratory ID: CJ22326-BSD1

Preparation: 3546

Initial/Final: 15 g / 0.5 ml

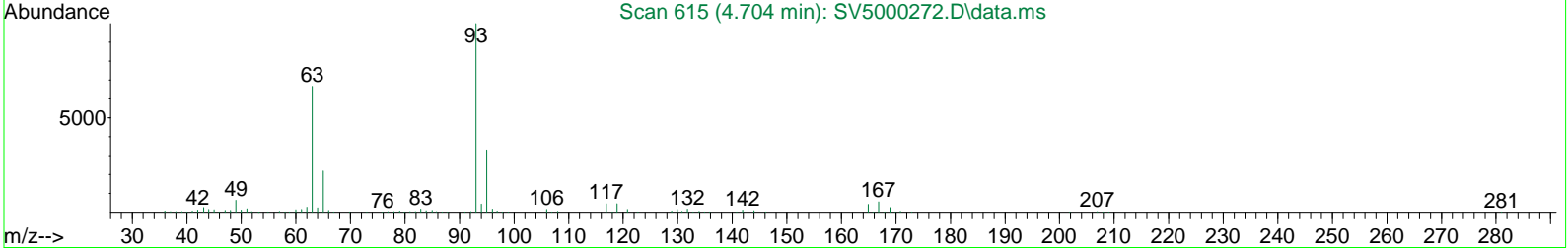
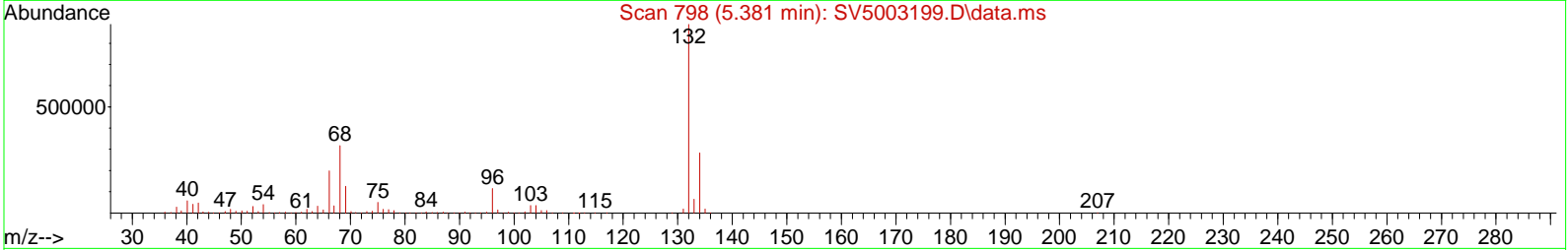
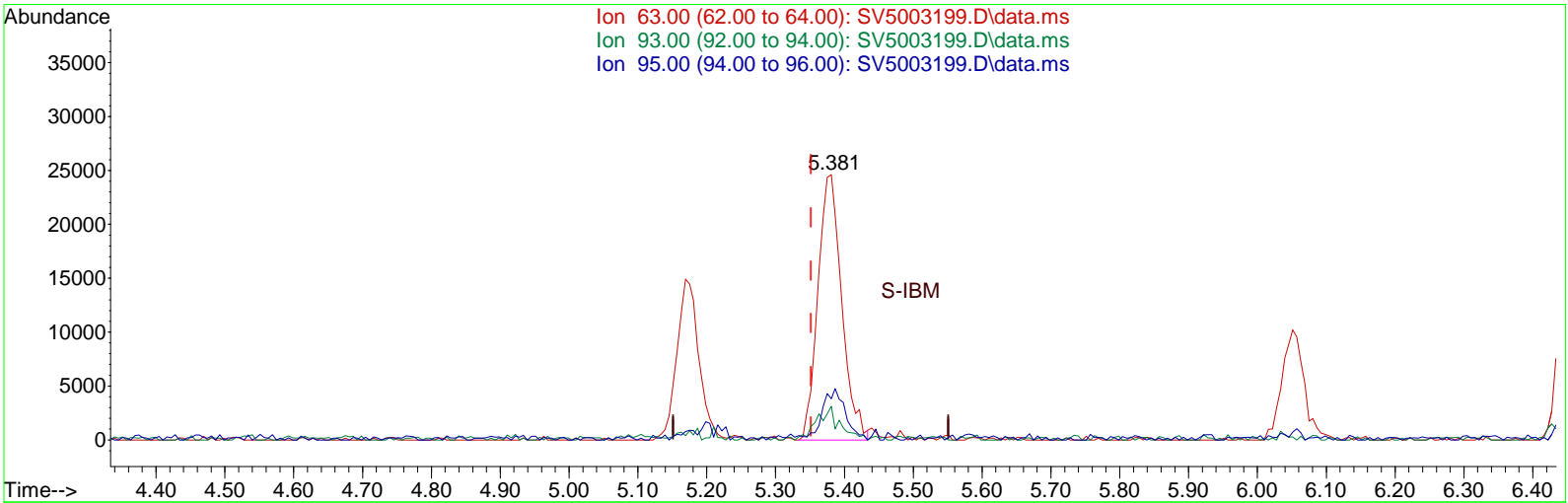
COMPOUND	SPIKE ADDED (mg/kg wet)	LCSD CONCENTRATION (mg/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Dibenzo(a,h)Anthracene	3.333	3.16	95	0.7	30	40 - 140
Fluoranthene	3.333	2.89	87	0.5	30	40 - 140
Fluorene	3.333	2.70	81	0.06	30	40 - 140
Indeno(1,2,3-cd)Pyrene	3.333	3.12	94	0.8	30	40 - 140
Naphthalene	3.333	2.11	63	9	30	40 - 140
Phenanthrene	3.333	2.97	89	0.4	30	40 - 140
Pyrene	3.333	3.03	91	0.8	30	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003199.D
 Acq On : 23 Oct 2012 6:26 pm
 Operator : IBM
 Sample : CJ22326-BLK1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:42:52 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



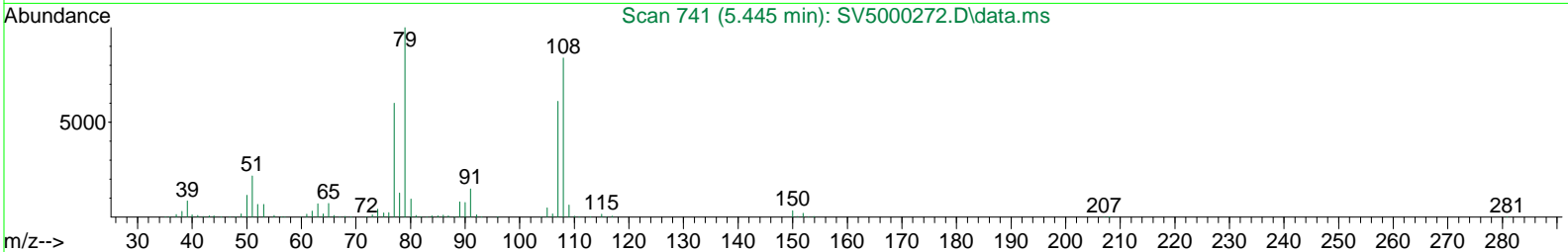
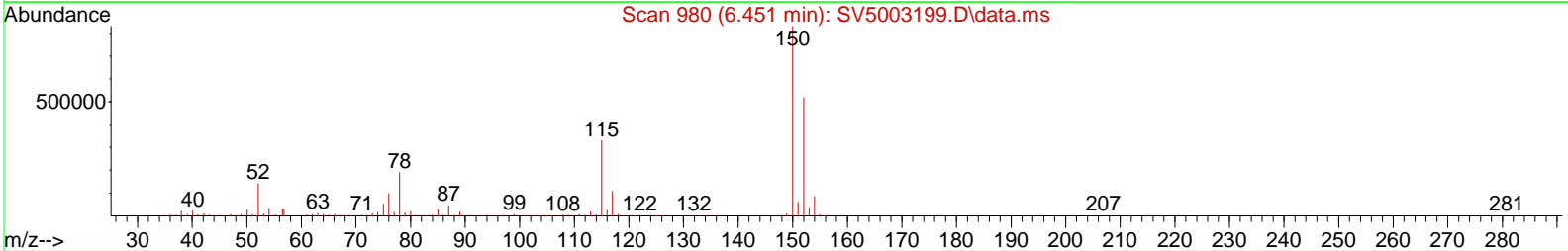
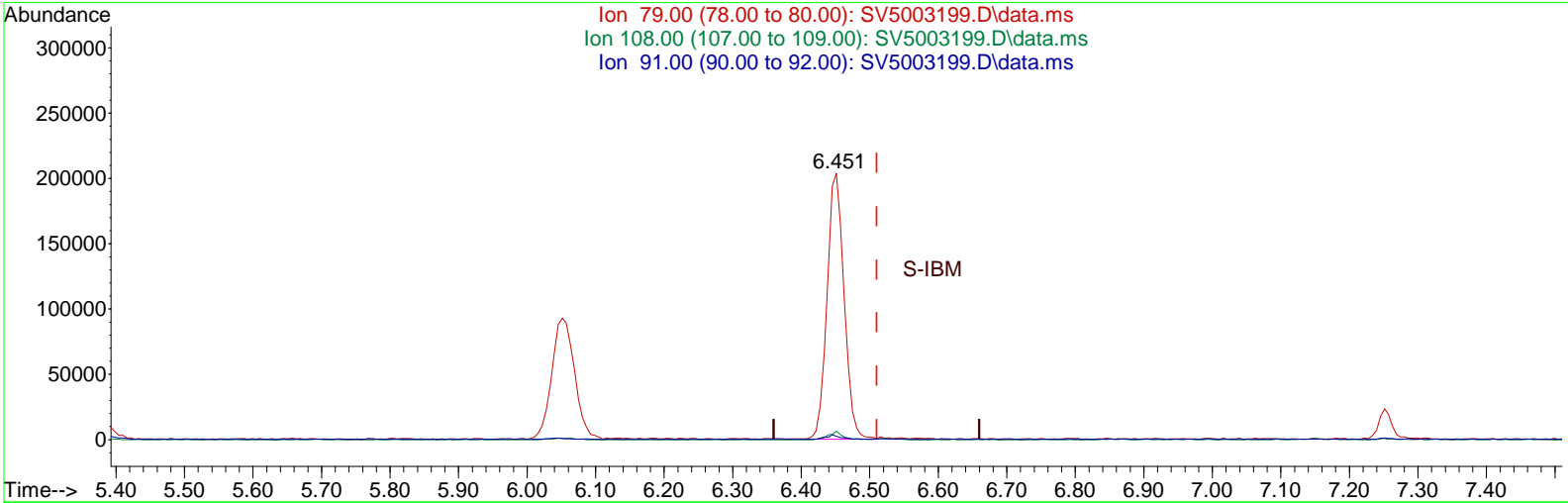
TIC: SV5003199.D\data.ms

(6) bis(2-Chloroethyl)ether
 5.381min (+0.030) 4.04 ng/uL
 response 59179

Ion	Exp%	Act%
63.00	100	100
93.00	144.80	5.45#
95.00	55.40	208.78#
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003199.D
 Acq On : 23 Oct 2012 6:26 pm
 Operator : IBM
 Sample : CJ22326-BLK1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:42:52 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



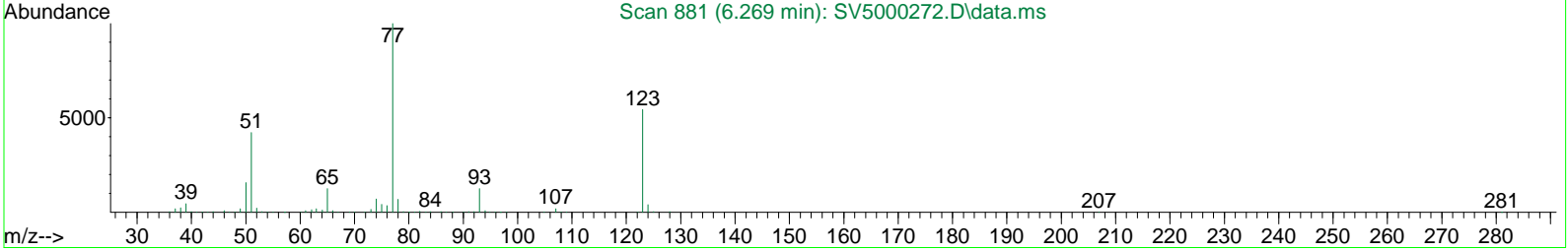
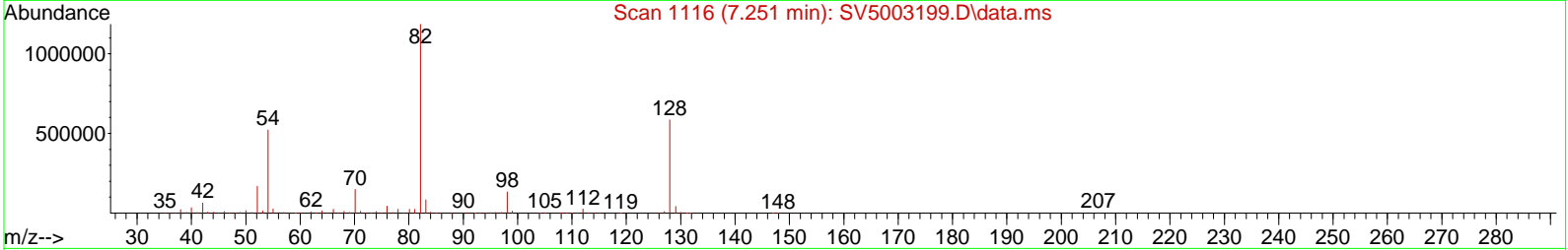
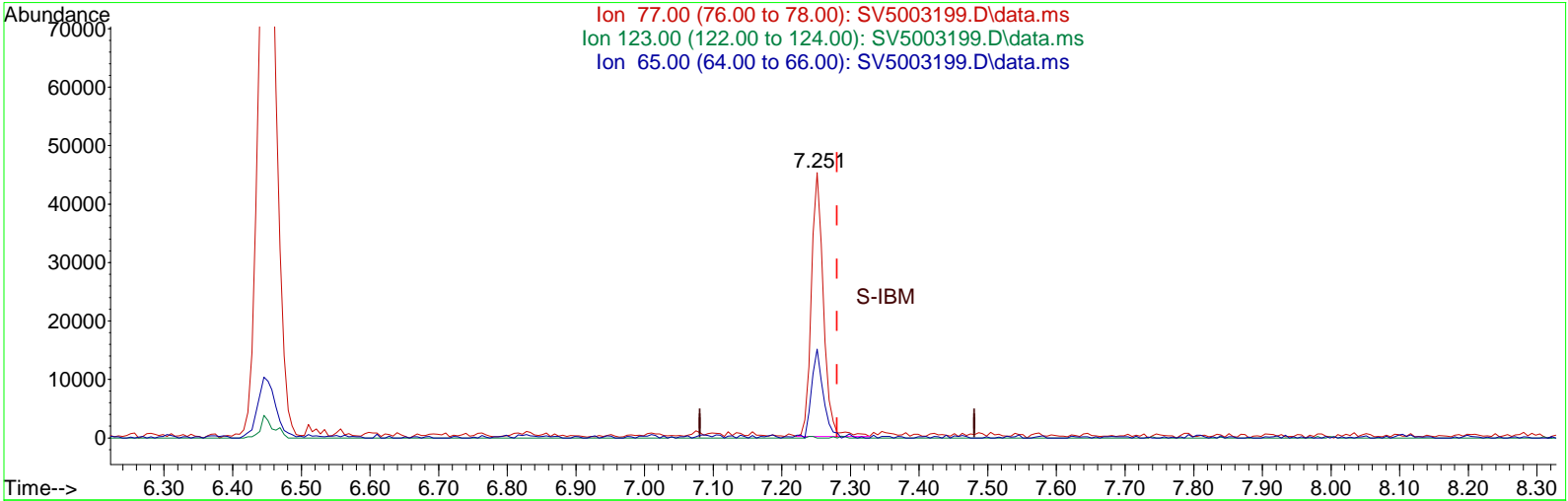
TIC: SV5003199.D\data.ms

(16) Benzyl Alcohol
 6.451min (-0.059) 20.34 ng/uL
 response 351884

Ion	Exp%	Act%
79.00	100	100
108.00	134.00	2.83#
91.00	20.50	1.17
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003199.D
 Acq On : 23 Oct 2012 6:26 pm
 Operator : IBM
 Sample : CJ22326-BLK1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:42:52 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003199.D\data.ms

(25) Nitrobenzene

7.251min (-0.029) 2.32 ng/uL

response 55352

Ion	Exp%	Act%
77.00	100	100
123.00	49.70	0.00#
65.00	12.20	22.54
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003199.D
 Acq On : 23 Oct 2012 6:26 pm
 Operator : IBM
 Sample : CJ22326-BLK1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:43:40 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

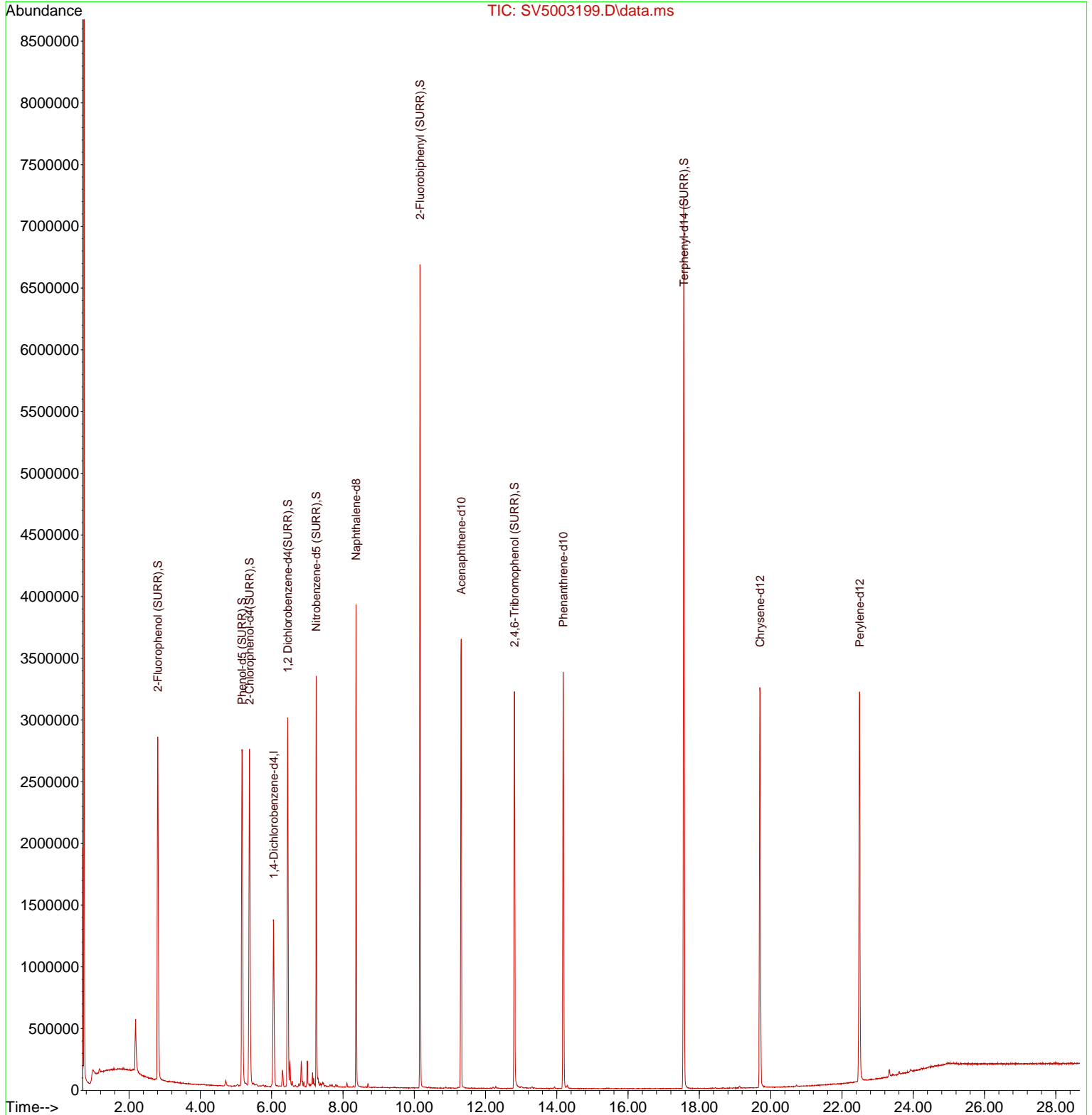
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.057	152	627349	40.00	ng/uL	0.00
23) Naphthalene-d8	8.369	136	2606587	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.316	164	1567394	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.180	188	2575603	40.00	ng/uL	0.00
79) Chrysene-d12	19.703	240	2426352	40.00	ng/uL	0.00
87) Perylene-d12	22.491	264	2460005	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.804	112	1858482	101.10	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	67.40%	
7) Phenol-d5 (SURR)	5.169	99	2598862	106.64	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	71.09%	
11) 2-Chlorophenol-d4(SURR)	5.381	132	2128775	103.80	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	69.20%	
14) 1,2 Dichlorobenzene-d4...	6.451	152	1011045	65.80	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	65.80%	
24) Nitrobenzene-d5 (SURR)	7.251	82	1479324	65.75	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	65.75%	
45) 2-Fluorobiphenyl (SURR)	10.163	172	4104206	68.21	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	68.21%	
67) 2,4,6-Tribromophenol (...)	12.810	330	596590	119.31	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	79.54%	
81) Terphenyl-d14 (SURR)	17.562	244	5050920	93.40	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	93.40%	

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

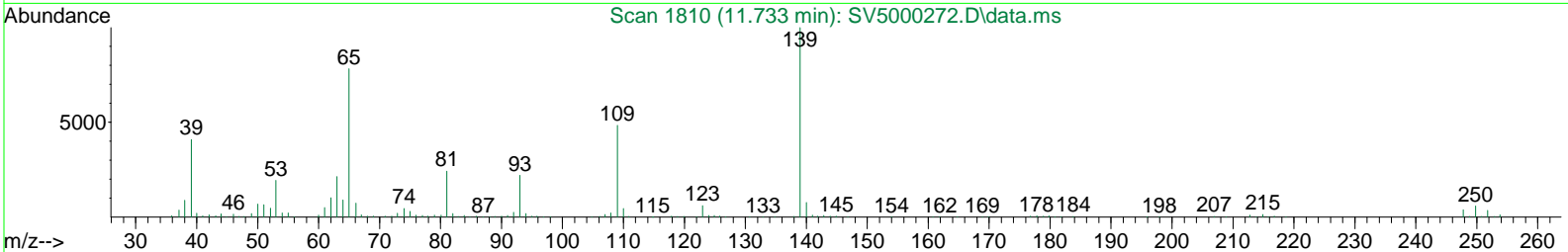
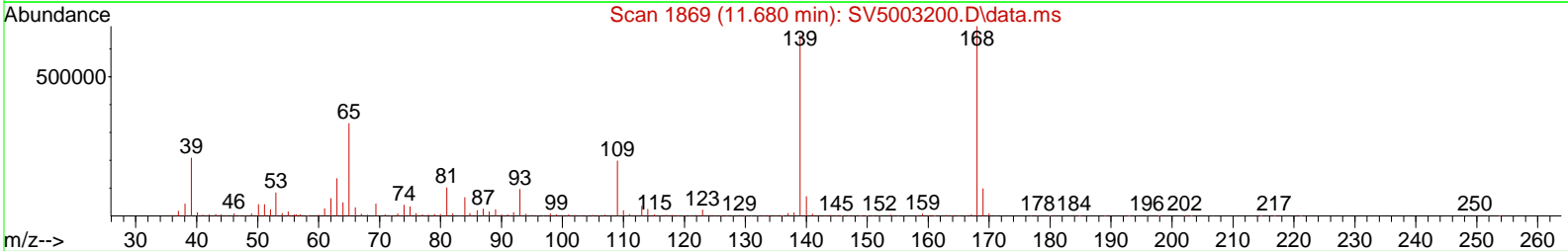
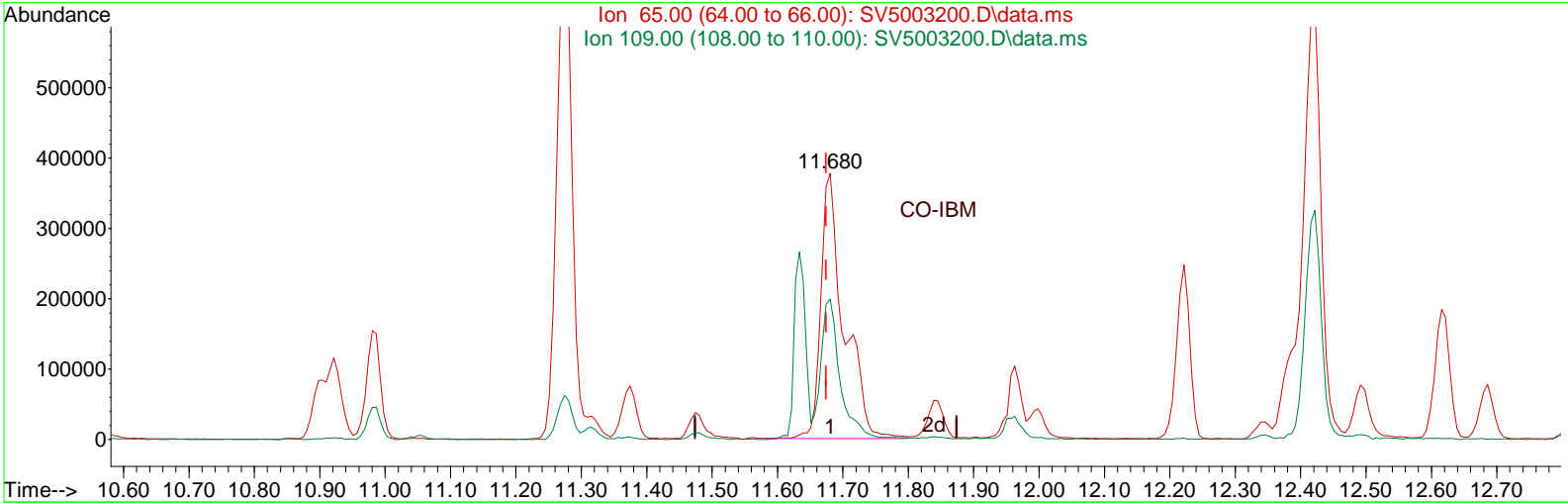
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 Acq On : 23 Oct 2012 6:26 pm
 Operator : IBM
 Sample : CJ22326-BLK1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:43:40 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003200.D
 Acq On : 23 Oct 2012 6:59 pm
 Operator : IBM
 Sample : CJ22326-BS1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:44:08 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003200.D\data.ms

(55) 4-Nitrophenol (P)

11.680min (+0.006) 97.39 ng/uL

response 919910

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	53.55
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003200.D
 Acq On : 23 Oct 2012 6:59 pm
 Operator : IBM
 Sample : CJ22326-BS1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:45:11 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.051	152	601339	40.00	ng/uL	0.00
23) Naphthalene-d8	8.369	136	2444553	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.316	164	1495058	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.186	188	2444223	40.00	ng/uL	0.00
79) Chrysene-d12	19.709	240	2410095	40.00	ng/uL	0.00
87) Perylene-d12	22.491	264	2198190	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.804	112	1798547	102.07	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	68.05%	
7) Phenol-d5 (SURR)	5.175	99	2530450	108.32	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	72.21%	
11) 2-Chlorophenol-d4(SURR)	5.381	132	2080946	105.86	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	70.57%	
14) 1,2 Dichlorobenzene-d4...	6.451	152	994160	67.50	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	67.50%	
24) Nitrobenzene-d5 (SURR)	7.251	82	1416263	67.12	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	67.12%	
45) 2-Fluorobiphenyl (SURR)	10.169	172	4027503	70.17	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	70.17%	
67) 2,4,6-Tribromophenol (...)	12.816	330	673636	141.96	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	94.64%	
81) Terphenyl-d14 (SURR)	17.562	244	4829623	89.91	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	89.91%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	0.922	42	222594	53.97	ng/uL	99
3) Pyridine	0.952	79	563007	44.40	ng/uL	93
6) bis(2-Chloroethyl)ether	5.351	63	926173	65.97	ng/uL	98
8) 2-Chlorophenol	5.428	128	1306107	67.29	ng/uL	98
9) Phenol	5.210	94	1716497	68.61	ng/uL	98
10) Aniline	5.087	93	1535113	48.83	ng/uL	77
12) 1,3-Dichlorobenzene	5.863	146	1365932	65.39	ng/uL	98
13) 1,4-Dichlorobenzene	6.104	146	1396876	65.84	ng/uL	99
15) 1,2-Dichlorobenzene	6.481	146	1352102	67.28	ng/uL	99
16) Benzyl Alcohol	6.510	79	906101	54.63	ng/uL	97
17) bis(2-chloroisopropyl)...	6.840	121	490117	66.34	ng/uL	98
18) 2-Methylphenol	6.845	108	2376907	69.56	ng/uL	100
19) Acetophenone	7.010	105	1831174	69.44	ng/uL	99
20) n-Nitroso-di-n-propyla...	7.069	70	984168	68.55	ng/uL	100
21) Hexachloroethane	7.140	117	543417	65.85	ng/uL	94
22) 3+4-Methylphenol	7.145	108	5675528	142.84	ng/uL	97
25) Nitrobenzene	7.287	77	1481777	66.16	ng/uL	96
26) Isophorone	7.687	82	2628163	65.32	ng/uL	97
27) 2-Nitrophenol	7.798	139	758839	70.55	ng/uL	95
28) Benzoic Acid	8.175	105	825831	61.64	ng/uL	99
29) 2,4-Dimethylphenol	7.969	107	1426688	70.48	ng/uL#	63
30) bis(2-Chloroethoxy)met...	8.092	93	1743697	67.35	ng/uL	98
31) 2,4-Dichlorophenol	8.210	162	1144765	72.58	ng/uL	96
32) 1,2,4-Trichlorobenzene	8.304	180	1169884	67.37	ng/uL	98
33) Naphthalene	8.404	128	4725313	69.28	ng/uL	100
34) 4-Chloroaniline	8.545	127	1606988	55.88	ng/uL	98
35) Hexachlorobutadiene	8.651	225	578395	68.43	ng/uL	97
36) Caprolactam	9.075	113	613463	84.81	ug/mL#	71
37) 4-Chloro-3-methylphenol	9.386	107	1423582	76.93	ng/uL	99
38) 2-Methylnaphthalene	9.528	142	5182053	69.80	ng/uL	100

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003200.D
 Acq On : 23 Oct 2012 6:59 pm
 Operator : IBM
 Sample : CJ22326-BS1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

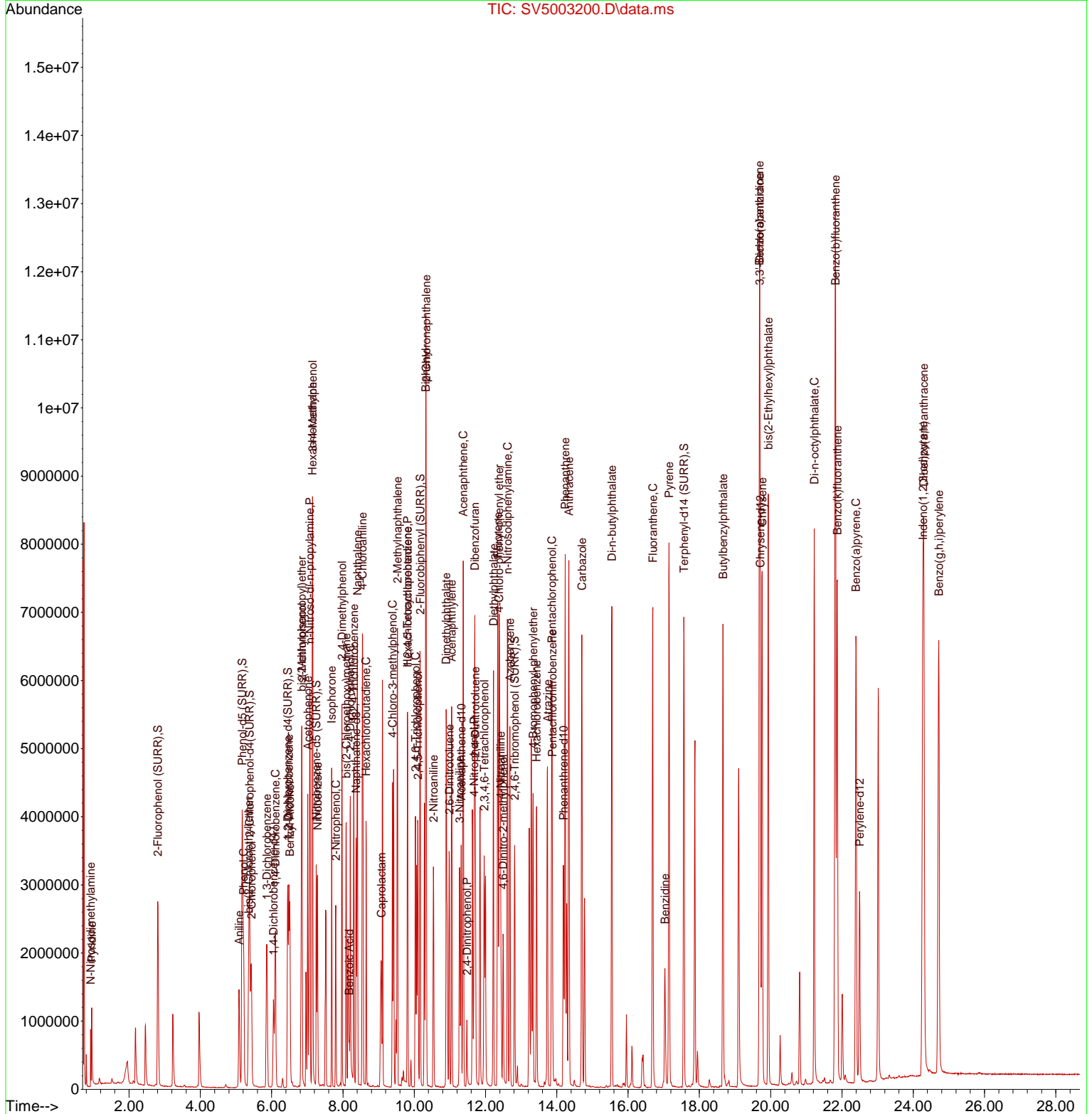
Quant Time: Oct 24 08:45:11 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2,4,5-Tetrachloroben...	9.810	216	1162132	70.93	ng/uL	99
42) Hexachlorocyclopentadiene	9.810	237	283556	45.97	ng/uL	96
43) 2,4,6-Trichlorophenol	10.033	196	822589	75.12	ng/uL	97
44) 2,4,5-Trichlorophenol	10.104	196	919878	82.24	ng/uL	98
46) Biphenyl	10.322	154	4702592	68.16	ng/uL	99
47) 2-Chloronaphthalene	10.333	162	2658920	66.78	ng/uL	97
48) Dimethylphthalate	10.898	163	3296765	78.98	ng/uL	100
49) Acenaphthylene	11.051	152	4825727	66.10	ng/uL	100
50) 2,6-Dinitrotoluene	10.986	165	805391	80.58	ng/uL	94
51) 2-Nitroaniline	10.539	65	989433	62.06	ng/uL	97
52) Acenaphthene	11.375	153	4463881	77.14	ng/uL	99
53) 2,4-Dinitrophenol	11.475	184	282637	81.72	ng/uL	95
54) Dibenzofuran	11.698	168	3991635	74.79	ng/uL	99
55) 4-Nitrophenol	11.680	65	708027m	75.98	ng/uL	
56) 3-Nitroaniline	11.275	138	927704	74.83	ng/uL	99
57) 2,4-Dinitrotoluene	11.716	165	1082352	84.65	ng/uL	98
58) Fluorene	12.345	166	6901085	81.06	ng/uL	95
59) 2,3,4,6-Tetrachlorophenol	11.963	232	729787	83.92	ng/uL	98
60) Diethylphthalate	12.222	149	3445409	82.28	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.380	204	1599819	78.63	ng/uL	96
63) 4-Nitroaniline	12.422	138	983895	83.39	ng/uL	94
64) 4,6-Dinitro-2-methylph...	12.492	198	613861	85.90	ng/uL	98
65) n-Nitrosodiphenylamine	12.616	169	4912820	79.52	ng/uL	99
66) Azobenzene	12.686	77	3459590	70.61	ng/uL	95
68) 4-Bromophenyl-phenylether	13.333	248	884949	82.73	ng/uL	93
69) Hexachlorobenzene	13.433	284	969644	84.32	ng/uL	96
70) Atrazine	13.739	200	883249	81.39	ug/mL	96
71) Pentachloronitrobenzene	13.874	237	336310	85.88	ng/uL	87
72) Pentachlorophenol	13.857	266	552995	82.35	ng/uL	98
73) Phenanthrene	14.233	178	6088796	88.82	ng/uL	89
74) Anthracene	14.339	178	5997248	88.50	ng/uL	97
75) Carbazole	14.704	167	6134401	84.21	ng/uL	100
76) Di-n-butylphthalate	15.545	149	6111999	85.73	ng/uL	100
77) Fluoranthene	16.692	202	6261956	86.39	ng/uL	91
78) Benzidine	17.033	184	1564750	44.31	ng/uL	98
80) Pyrene	17.151	202	7121036	90.09	ng/uL	96
82) Butylbenzylphthalate	18.662	149	2761338	81.54	ng/uL	96
83) 3,3'-Dichlorobenzidine	19.692	252	1753317	72.73	ng/uL	98
84) Benzo(a)anthracene	19.686	228	6283798	89.14	ng/uL	100
85) Chrysene	19.762	228	5875723	89.47	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	19.933	149	3839831	83.30	ng/uL	98
88) Di-n-octylphthalate	21.221	149	6619230	84.25	ng/uL	100
89) Benzo(b)fluoranthene	21.815	252	6432259	89.38	ng/uL	98
90) Benzo(k)fluoranthene	21.868	252	6078150	97.29	ng/uL	99
91) Benzo(a)pyrene	22.391	252	5521296	84.72	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.268	276	7887102	94.51	ng/uL	96
93) Dibenzo(a,h)anthracene	24.297	278	7798848	95.53	ng/uL	99
94) Benzo(g,h,i)perylene	24.715	276	6633249	93.71	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

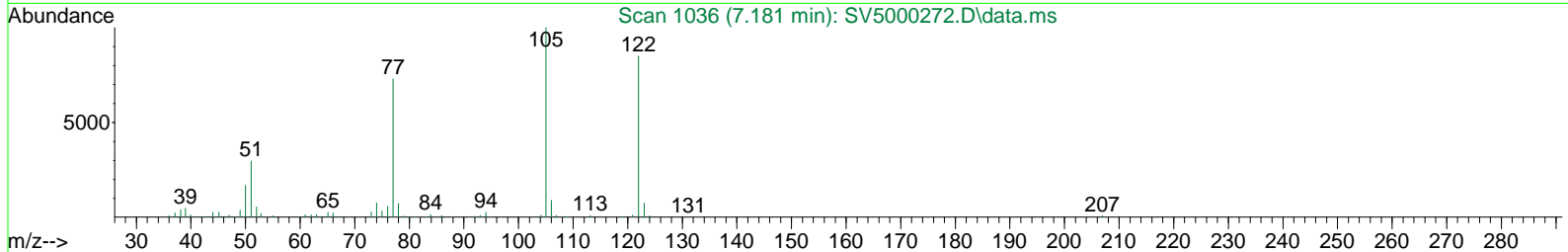
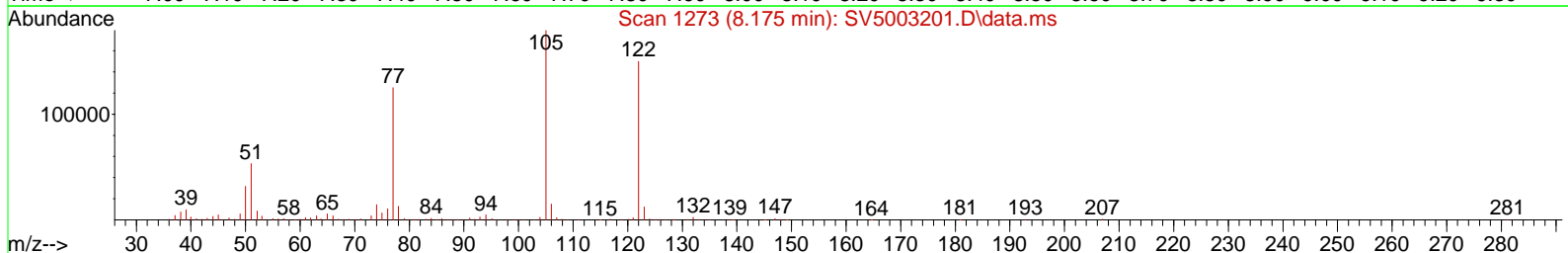
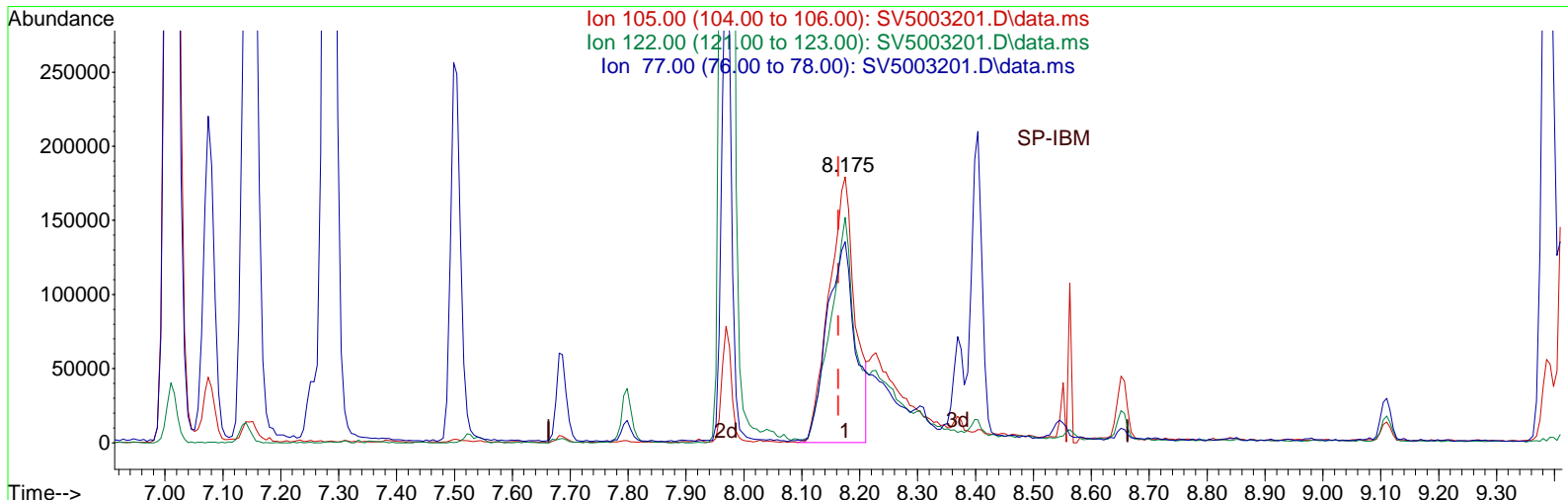
Data Path : Q:\SVOA\MS5\1012\102312\
Data File : SV5003200.D
Acq On : 23 Oct 2012 6:59 pm
Operator : IBM
Sample : CJ22326-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 24 08:45:11 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
QLast Update : Wed Oct 24 08:41:24 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003201.D
 Acq On : 23 Oct 2012 7:32 pm
 Operator : IBM
 Sample : CJ22326-BSD1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:45:45 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003201.D\data.ms

(28) Benzoic Acid

8.175min (+0.012) 43.82 ng/uL

response 555389

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	84.57
77.00	74.50	76.41
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003201.D
 Acq On : 23 Oct 2012 7:32 pm
 Operator : IBM
 Sample : CJ22326-BSD1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:46:38 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.051	152	595925	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.369	136	2429994	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.316	164	1487081	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.186	188	2442577	40.00	ng/uL	0.00	
79) Chrysene-d12	19.709	240	2400141	40.00	ng/uL	0.00	
87) Perylene-d12	22.491	264	2202135	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.804	112	1578860	90.42	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 60.28%
7) Phenol-d5 (SURR)	5.175	99	2249723	97.18	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 64.79%
11) 2-Chlorophenol-d4(SURR)	5.381	132	1846792	94.80	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 63.20%
14) 1,2 Dichlorobenzene-d4...	6.451	152	873181	59.82	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 59.82%
24) Nitrobenzene-d5 (SURR)	7.251	82	1260156	60.08	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 60.08%
45) 2-Fluorobiphenyl (SURR)	10.169	172	3821608	66.94	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 66.94%
67) 2,4,6-Tribromophenol (...)	12.816	330	667787	140.82	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 93.88%
81) Terphenyl-d14 (SURR)	17.562	244	4715838	88.15	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 88.15%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.922	42	193607	47.37	ng/uL		96
3) Pyridine	0.952	79	510219	40.60	ng/uL		100
6) bis(2-Chloroethyl)ether	5.351	63	825200	59.31	ng/uL		98
8) 2-Chlorophenol	5.428	128	1186437	61.68	ng/uL		98
9) Phenol	5.210	94	1573063	63.45	ng/uL		97
10) Aniline	5.087	93	1374492	44.12	ng/ul#		76
12) 1,3-Dichlorobenzene	5.863	146	1220082	58.94	ng/uL		100
13) 1,4-Dichlorobenzene	6.104	146	1245763	59.25	ng/uL		90
15) 1,2-Dichlorobenzene	6.481	146	1221748	61.35	ng/uL		96
16) Benzyl Alcohol	6.510	79	824818	50.18	ng/uL		100
17) bis(2-chloroisopropyl)...	6.840	121	444670	60.73	ng/uL		96
18) 2-Methylphenol	6.845	108	2186109	64.56	ng/uL		100
19) Acetophenone	7.010	105	1644943	62.95	ng/ul		99
20) n-Nitroso-di-n-propyla...	7.063	70	901600	63.37	ng/uL		95
21) Hexachloroethane	7.140	117	491415	60.09	ng/uL		92
22) 3+4-Methylphenol	7.145	108	5328165	135.32	ng/uL		97
25) Nitrobenzene	7.281	77	1349266	60.60	ng/uL		98
26) Isophorone	7.687	82	2470922	61.78	ng/uL		97
27) 2-Nitrophenol	7.798	139	694243	64.93	ng/uL		94
28) Benzoic Acid	8.175	105	817290m	61.40	ng/uL		
29) 2,4-Dimethylphenol	7.969	107	1343205	66.75	ng/uL		98
30) bis(2-Chloroethoxy)met...	8.092	93	1600435	62.19	ng/uL		98
31) 2,4-Dichlorophenol	8.210	162	1086401	69.29	ng/uL		96
32) 1,2,4-Trichlorobenzene	8.304	180	1059060	61.35	ng/uL		99
33) Naphthalene	8.404	128	4292960	63.32	ng/uL		100
34) 4-Chloroaniline	8.545	127	1532242	53.60	ng/uL		98
35) Hexachlorobutadiene	8.657	225	527364	62.77	ng/uL		98
36) Caprolactam	9.069	113	608403	84.62	ug/mL#		70
37) 4-Chloro-3-methylphenol	9.386	107	1418292	77.11	ng/uL		99
38) 2-Methylnaphthalene	9.528	142	4824573	65.37	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003201.D
 Acq On : 23 Oct 2012 7:32 pm
 Operator : IBM
 Sample : CJ22326-BSD1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

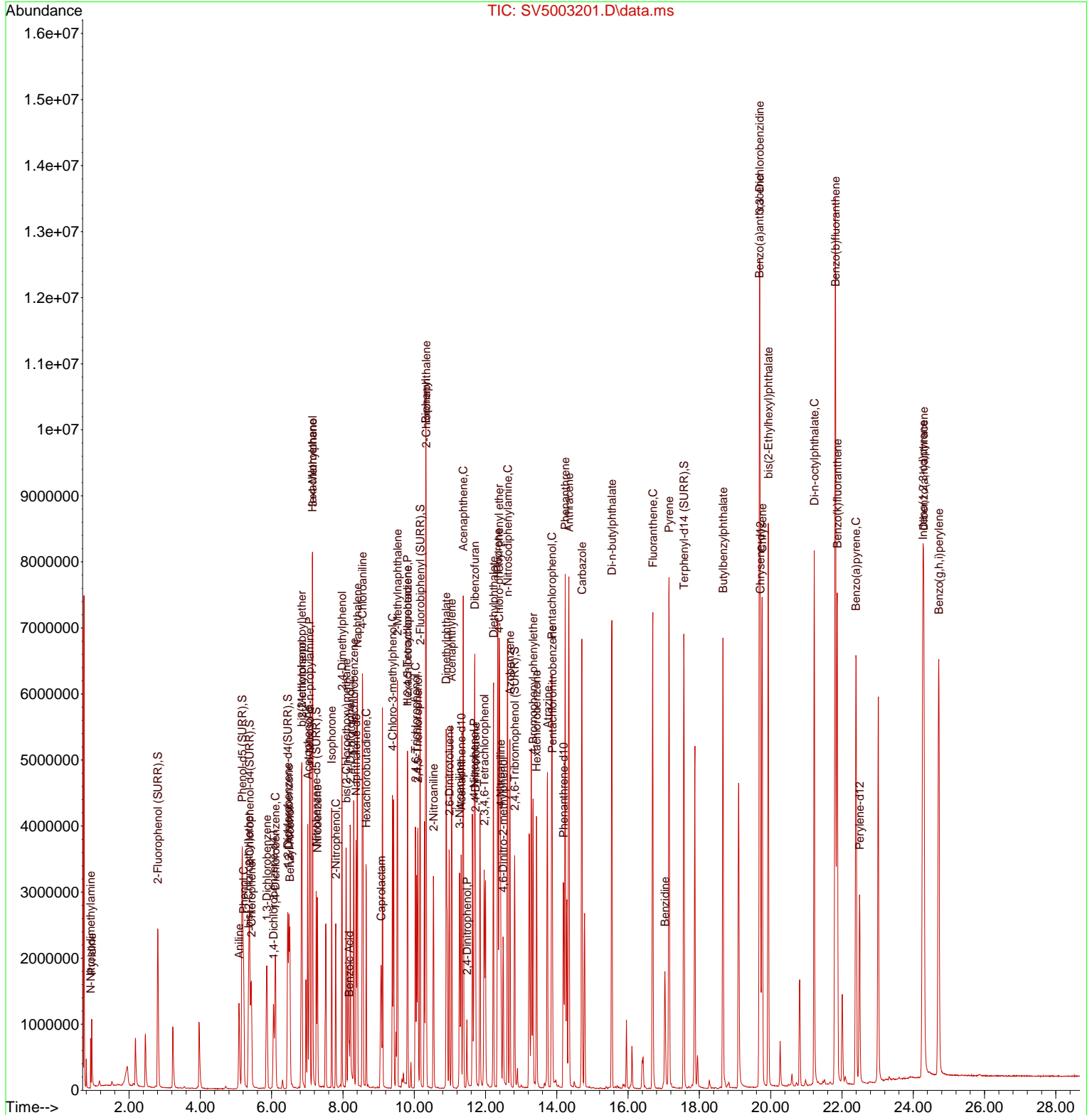
Quant Time: Oct 24 08:46:38 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2,4,5-Tetrachloroben...	9.810	216	1105323	67.87	ng/uL	100
42) Hexachlorocyclopentadiene	9.810	237	251344	42.51	ng/uL	96
43) 2,4,6-Trichlorophenol	10.033	196	811939	74.55	ng/uL	99
44) 2,4,5-Trichlorophenol	10.104	196	923205	82.98	ng/uL	100
46) Biphenyl	10.322	154	4517476	65.83	ng/uL	98
47) 2-Chloronaphthalene	10.333	162	2524033	63.73	ng/uL	98
48) Dimethylphthalate	10.898	163	3298484	79.44	ng/uL	100
49) Acenaphthylene	11.051	152	4705177	64.80	ng/uL	100
50) 2,6-Dinitrotoluene	10.986	165	823547	82.84	ng/uL	94
51) 2-Nitroaniline	10.539	65	991741	62.54	ng/uL	98
52) Acenaphthene	11.375	153	4344543	75.48	ng/uL#	73
53) 2,4-Dinitrophenol	11.475	184	276725	80.87	ng/uL	93
54) Dibenzofuran	11.698	168	3938052	74.18	ng/uL	99
55) 4-Nitrophenol	11.680	65	698160	75.37	ng/uL	97
56) 3-Nitroaniline	11.275	138	923326	74.87	ng/uL	99
57) 2,4-Dinitrotoluene	11.722	165	1088470	85.59	ng/uL	92
58) Fluorene	12.345	166	6868673	81.11	ng/uL	95
59) 2,3,4,6-Tetrachlorophenol	11.963	232	740614	85.62	ng/uL	96
60) Diethylphthalate	12.222	149	3475536	83.45	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.380	204	1603828	79.25	ng/uL	99
63) 4-Nitroaniline	12.422	138	1000486	84.85	ng/uL	94
64) 4,6-Dinitro-2-methylph...	12.492	198	620256	86.70	ng/uL	84
65) n-Nitrosodiphenylamine	12.621	169	4936092	79.95	ng/uL	100
66) Azobenzene	12.686	77	3433825	70.13	ng/uL	97
68) 4-Bromophenyl-phenylether	13.333	248	888119	83.08	ng/uL	97
69) Hexachlorobenzene	13.433	284	976596	84.98	ng/uL	96
70) Atrazine	13.739	200	889312	82.01	ug/mL	95
71) Pentachloronitrobenzene	13.874	237	342484	87.51	ng/uL	89
72) Pentachlorophenol	13.857	266	562253	83.57	ng/uL	100
73) Phenanthrene	14.233	178	6111906	89.21	ng/uL	89
74) Anthracene	14.339	178	6039633	89.18	ng/uL	100
75) Carbazole	14.704	167	6190031	85.04	ng/uL	100
76) Di-n-butylphthalate	15.545	149	6124293	85.96	ng/uL	100
77) Fluoranthene	16.692	202	6288871	86.82	ng/uL	91
78) Benzidine	17.033	184	1594959	45.09	ng/uL	98
80) Pyrene	17.151	202	7145516	90.78	ng/uL	87
82) Butylbenzylphthalate	18.662	149	2748434	81.50	ng/uL	96
83) 3,3'-Dichlorobenzidine	19.692	252	1805596	75.21	ng/uL	98
84) Benzo(a)anthracene	19.686	228	6313482	89.93	ng/uL	100
85) Chrysene	19.762	228	5901620	90.24	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	19.933	149	3860521	84.09	ng/uL	98
88) Di-n-octylphthalate	21.221	149	6621812	84.14	ng/uL	100
89) Benzo(b)fluoranthene	21.815	252	6482909	89.92	ng/uL	97
90) Benzo(k)fluoranthene	21.868	252	6076786	97.09	ng/uL	99
91) Benzo(a)pyrene	22.391	252	5503442	84.30	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.268	276	7836777	93.74	ng/uL	95
93) Dibenzo(a,h)anthracene	24.297	278	7760866	94.89	ng/uL	99
94) Benzo(g,h,i)perylene	24.715	276	6616843	93.31	ng/uL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

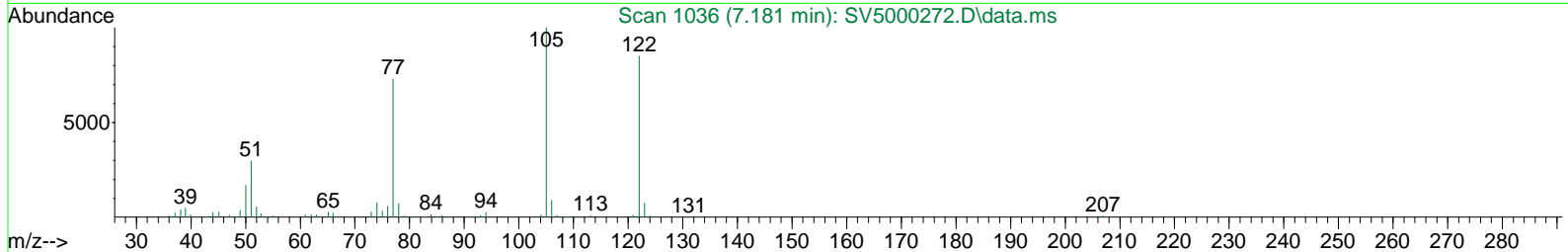
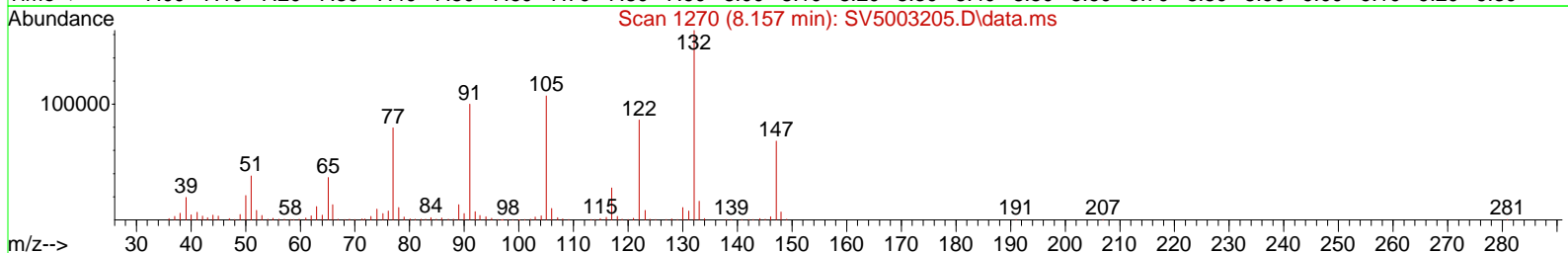
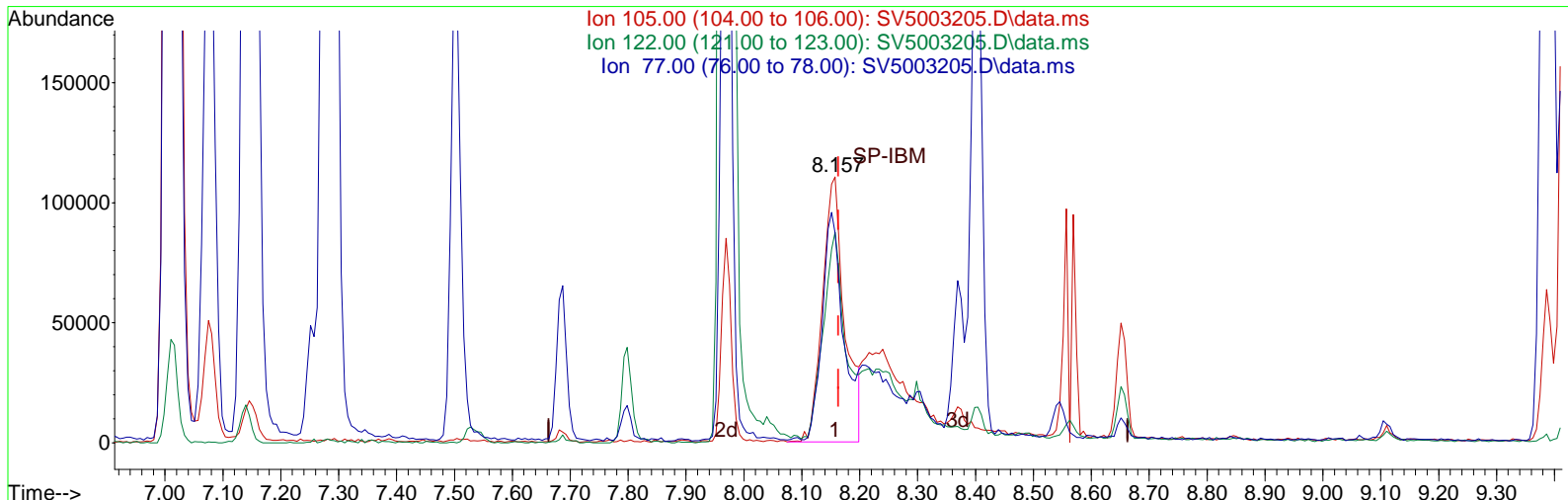
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 Acq On : 23 Oct 2012 7:32 pm
 Operator : IBM
 Sample : CJ22326-BSD1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:46:38 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003205.D
 Acq On : 23 Oct 2012 9:45 pm
 Operator : IBM
 Sample : CJ22326-MS1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:55:10 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003205.D\data.ms

(28) Benzoic Acid

8.157min (-0.006) 26.01 ng/uL

response 292872

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	72.70
77.00	74.50	81.18
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003205.D
 Acq On : 23 Oct 2012 9:45 pm
 Operator : IBM
 Sample : CJ22326-MS1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:56:05 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.051	152	604661	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.369	136	2453197	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.316	164	1513045	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.186	188	2470309	40.00	ng/uL	0.00	
79) Chrysene-d12	19.709	240	2431787	40.00	ng/uL	0.00	
87) Perylene-d12	22.491	264	2218938	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.810	112	1751310	98.85	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 65.90%
7) Phenol-d5 (SURR)	5.175	99	2516042	107.11	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 71.41%
11) 2-Chlorophenol-d4(SURR)	5.381	132	2049035	103.66	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 69.11%
14) 1,2 Dichlorobenzene-d4...	6.451	152	964556	65.13	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 65.13%
24) Nitrobenzene-d5 (SURR)	7.251	82	1412337	66.69	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 66.69%
45) 2-Fluorobiphenyl (SURR)	10.169	172	4172847	71.84	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 71.84%
67) 2,4,6-Tribromophenol (...)	12.816	330	682439	142.29	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 94.86%
81) Terphenyl-d14 (SURR)	17.562	244	4915969	90.70	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 90.70%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.922	42	215129	51.88	ng/uL		98
3) Pyridine	0.952	79	546811	42.88	ng/uL		99
6) bis(2-Chloroethyl)ether	5.351	63	949699	67.27	ng/uL		98
8) 2-Chlorophenol	5.428	128	1328304	68.06	ng/uL		99
9) Phenol	5.210	94	1770162	70.36	ng/uL		97
10) Aniline	5.087	93	1648295	52.14	ng/uL		75
12) 1,3-Dichlorobenzene	5.863	146	1359044	64.70	ng/uL		100
13) 1,4-Dichlorobenzene	6.104	146	1393206	65.30	ng/uL		95
15) 1,2-Dichlorobenzene	6.481	146	1364176	67.51	ng/uL		97
16) Benzyl Alcohol	6.510	79	1110680	66.60	ng/uL		100
17) bis(2-chloroisopropyl)...	6.840	121	499975	67.30	ng/uL		98
18) 2-Methylphenol	6.845	108	2477408	72.11	ng/uL		100
19) Acetophenone	7.010	105	1884022	71.05	ng/uL		100
20) n-Nitroso-di-n-propyla...	7.069	70	1015475	70.34	ng/uL		99
21) Hexachloroethane	7.140	117	551325	66.44	ng/uL		97
22) 3+4-Methylphenol	7.145	108	6008071	150.38	ng/uL		100
25) Nitrobenzene	7.281	77	1543544	68.67	ng/uL		99
26) Isophorone	7.687	82	2738568	67.82	ng/uL		97
27) 2-Nitrophenol	7.798	139	781963	72.44	ng/uL		94
28) Benzoic Acid	8.157	105	502524m	39.95	ng/uL		
29) 2,4-Dimethylphenol	7.969	107	1515494	74.60	ng/uL		97
30) bis(2-Chloroethoxy)met...	8.092	93	1806556	69.54	ng/uL		99
31) 2,4-Dichlorophenol	8.204	162	1228298	77.60	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.304	180	1200047	68.86	ng/uL		99
33) Naphthalene	8.404	128	4867168	71.11	ng/uL		100
34) 4-Chloroaniline	8.545	127	1805504	62.56	ng/uL		98
35) Hexachlorobutadiene	8.651	225	596563	70.33	ng/uL		98
36) Caprolactam	9.069	113	626517	86.31	ug/mL#		69
37) 4-Chloro-3-methylphenol	9.386	107	1511346	81.39	ng/uL		99
38) 2-Methylnaphthalene	9.528	142	5408182	72.58	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003205.D
 Acq On : 23 Oct 2012 9:45 pm
 Operator : IBM
 Sample : CJ22326-MS1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

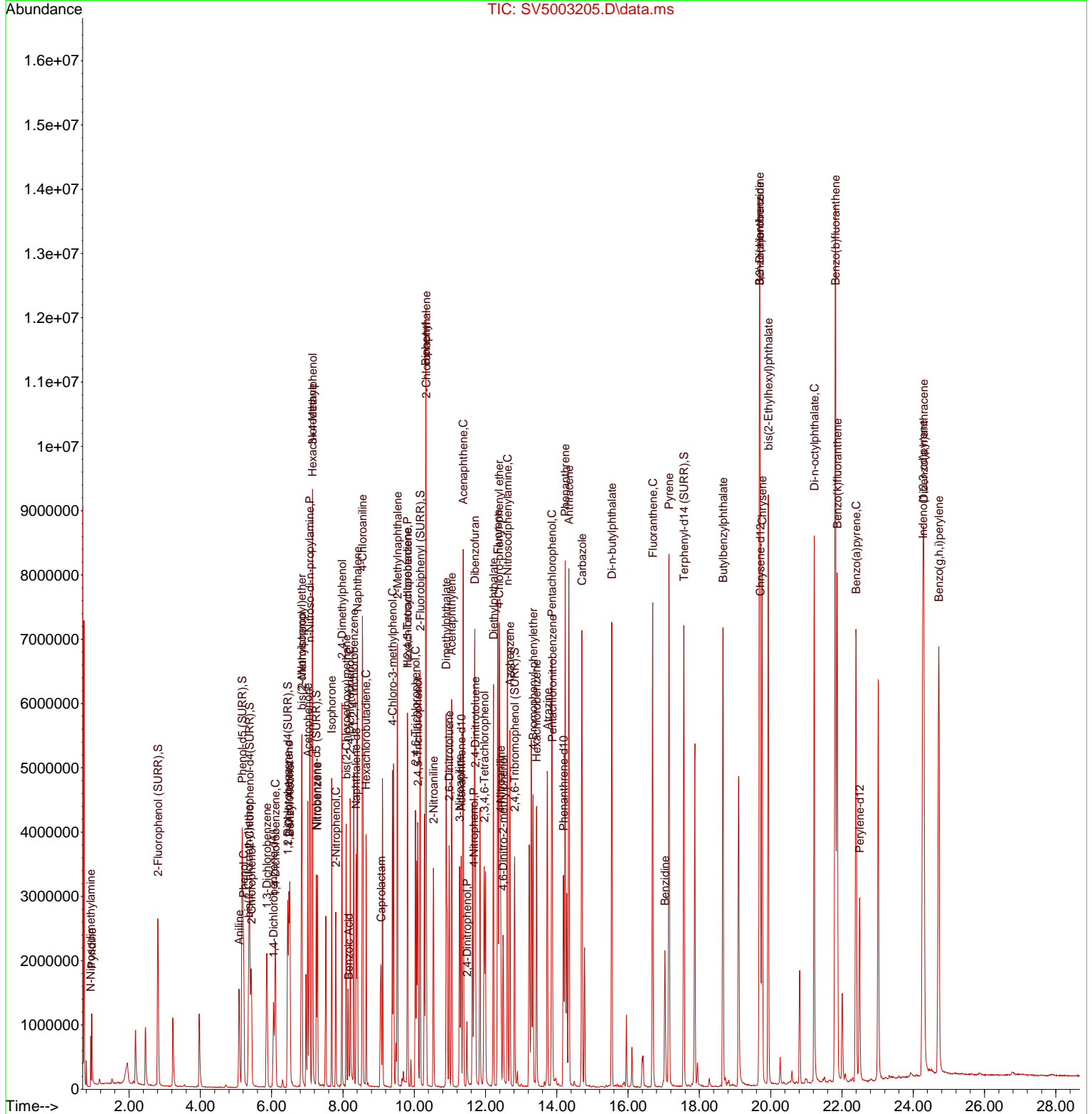
Quant Time: Oct 24 08:56:05 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2,4,5-Tetrachloroben...	9.810	216	1242107	75.55	ng/uL	100
42) Hexachlorocyclopentadiene	9.810	237	286053	45.87	ng/uL	98
43) 2,4,6-Trichlorophenol	10.033	196	880202	79.43	ng/uL	97
44) 2,4,5-Trichlorophenol	10.104	196	977505	86.35	ng/uL	99
46) Biphenyl	10.322	154	5037129	72.14	ng/uL	99
47) 2-Chloronaphthalene	10.333	162	2831151	70.26	ng/uL	98
48) Dimethylphthalate	10.898	163	3449603	81.66	ng/uL	100
49) Acenaphthylene	11.051	152	5193772	70.30	ng/uL	100
50) 2,6-Dinitrotoluene	10.980	165	852262	84.25	ng/uL	98
51) 2-Nitroaniline	10.539	65	1046539	64.87	ng/uL	96
52) Acenaphthene	11.375	153	4764843	81.36	ng/uL	100
53) 2,4-Dinitrophenol	11.475	184	286064	81.73	ng/uL	94
54) Dibenzofuran	11.698	168	4236554	78.43	ng/uL	97
55) 4-Nitrophenol	11.675	65	735448	77.87	ng/uL	93
56) 3-Nitroaniline	11.275	138	977753	77.92	ng/uL	90
57) 2,4-Dinitrotoluene	11.716	165	1129197	87.27	ng/uL	98
58) Fluorene	12.345	166	7313286	84.88	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	11.963	232	755240	85.81	ng/uL	98
60) Diethylphthalate	12.222	149	3604905	85.07	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.380	204	1696437	82.38	ng/uL	99
63) 4-Nitroaniline	12.422	138	1049303	88.00	ng/uL	93
64) 4,6-Dinitro-2-methylph...	12.492	198	650603	89.42	ng/uL	96
65) n-Nitrosodiphenylamine	12.616	169	5143844	82.38	ng/uL	99
66) Azobenzene	12.686	77	3628481	73.28	ng/uL	97
68) 4-Bromophenyl-phenylether	13.333	248	933993	86.39	ng/uL	85
69) Hexachlorobenzene	13.433	284	1018770	87.66	ng/uL	96
70) Atrazine	13.739	200	937239	85.46	ug/mL	96
71) Pentachloronitrobenzene	13.874	237	357056	90.21	ng/uL	89
72) Pentachlorophenol	13.857	266	568465	83.55	ng/uL	98
73) Phenanthrene	14.233	178	6371157	91.95	ng/uL	99
74) Anthracene	14.339	178	6283124	91.74	ng/uL	84
75) Carbazole	14.704	167	6486949	88.11	ng/uL	100
76) Di-n-butylphthalate	15.545	149	6415883	89.05	ng/uL	100
77) Fluoranthene	16.692	202	6760232	92.28	ng/uL	96
78) Benzidine	17.033	184	1885727	51.80	ng/uL	98
80) Pyrene	17.151	202	7654514	95.98	ng/uL	87
82) Butylbenzylphthalate	18.662	149	2909279	85.15	ng/uL	97
83) 3,3'-Dichlorobenzidine	19.692	252	2029495	83.44	ng/uL	98
84) Benzo(a)anthracene	19.692	228	6669524	93.77	ng/uL	100
85) Chrysene	19.762	228	6362599	96.02	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	19.933	149	4041655	86.89	ng/uL	98
88) Di-n-octylphthalate	21.221	149	6957118	87.73	ng/uL	100
89) Benzo(b)fluoranthene	21.815	252	6883433	94.76	ng/uL	98
90) Benzo(k)fluoranthene	21.868	252	6520910	103.40	ng/uL	99
91) Benzo(a)pyrene	22.397	252	5891470	89.56	ng/uL	98
92) Indeno(1,2,3-cd)pyrene	24.268	276	8426795	100.03	ng/uL	94
93) Dibenzo(a,h)anthracene	24.297	278	8273992	100.40	ng/uL	99
94) Benzo(g,h,i)perylene	24.715	276	7163161	100.25	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

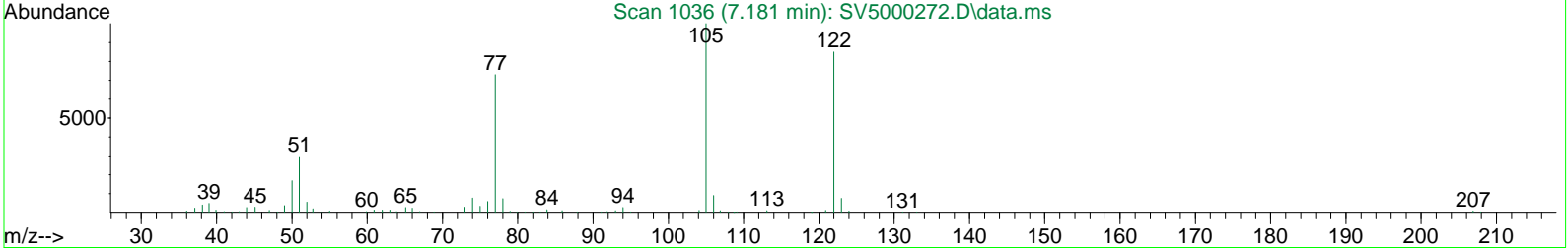
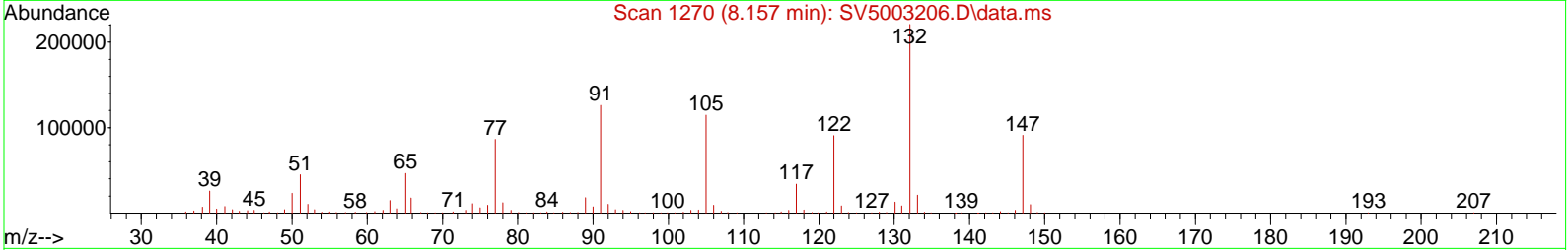
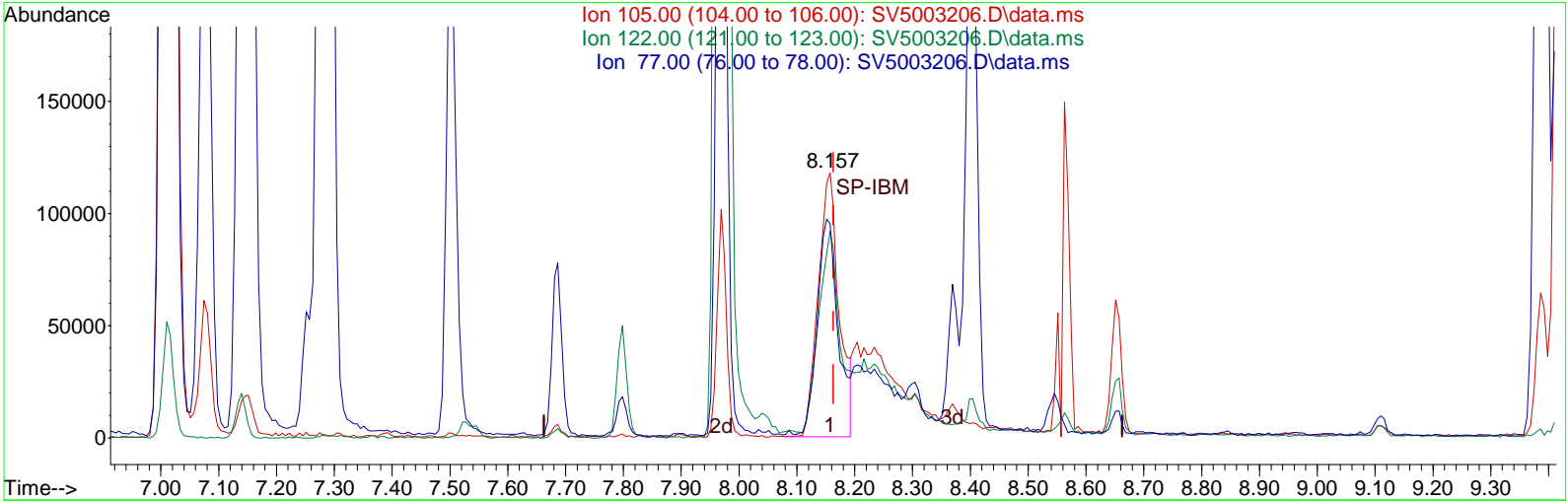
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Data File : SV5003205.D
Acq On : 23 Oct 2012 9:45 pm
Operator : IBM
Sample : CJ22326-MS1
Misc :
ALS Vial : 12 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 24 08:56:05 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
QLast Update : Wed Oct 24 08:41:24 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003206.D
 Acq On : 23 Oct 2012 10:19 pm
 Operator : IBM
 Sample : CJ22326-MSD1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:56:50 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration



TIC: SV5003206.D\data.ms

(28) Benzoic Acid

8.157min (-0.006) 26.32 ng/uL

response 296788

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	78.71
77.00	74.50	84.22
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003206.D
 Acq On : 23 Oct 2012 10:19 pm
 Operator : IBM
 Sample : CJ22326-MSD1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:57:41 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.057	152	596641	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.369	136	2446846	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.316	164	1499154	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.186	188	2448748	40.00	ng/uL	0.00	
79) Chrysene-d12	19.709	240	2402123	40.00	ng/uL	0.00	
87) Perylene-d12	22.491	264	2214188	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.810	112	2120035	121.27	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	80.85%	
7) Phenol-d5 (SURR)	5.175	99	2961239	127.76	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	85.17%	
11) 2-Chlorophenol-d4(SURR)	5.381	132	2452067	125.72	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	83.81%	
14) 1,2 Dichlorobenzene-d4...	6.451	152	1165188	79.73	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	79.73%	
24) Nitrobenzene-d5 (SURR)	7.251	82	1686083	79.83	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	79.83%	
45) 2-Fluorobiphenyl (SURR)	10.169	172	4699853	81.66	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	81.66%	
67) 2,4,6-Tribromophenol (...)	12.816	330	691131	145.37	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	96.91%	
81) Terphenyl-d14 (SURR)	17.562	244	4721230	88.18	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	88.18%	
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.922	42	263721	64.45	ng/uL		99
3) Pyridine	0.952	79	658044	52.30	ng/uL		97
6) bis(2-Chloroethyl)ether	5.351	63	1133964	81.40	ng/uL		99
8) 2-Chlorophenol	5.428	128	1605786	83.39	ng/uL		97
9) Phenol	5.210	94	2121048	85.45	ng/uL		97
10) Aniline	5.087	93	1969206	63.13	ng/uL		95
12) 1,3-Dichlorobenzene	5.863	146	1656664	79.93	ng/uL		100
13) 1,4-Dichlorobenzene	6.104	146	1688173	80.19	ng/uL		92
15) 1,2-Dichlorobenzene	6.487	146	1633962	81.95	ng/uL		99
16) Benzyl Alcohol	6.510	79	1280531	77.81	ng/uL		98
17) bis(2-chloroisopropyl)...	6.839	121	590652	80.57	ng/uL		99
18) 2-Methylphenol	6.851	108	2917161	86.05	ng/uL		100
19) Acetophenone	7.010	105	2231627	85.29	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.069	70	1170594	82.18	ng/uL		98
21) Hexachloroethane	7.139	117	661495	80.78	ng/uL		93
22) 3+4-Methylphenol	7.151	108	6854522	173.87	ng/uL		96
25) Nitrobenzene	7.286	77	1824241	81.37	ng/uL		97
26) Isophorone	7.686	82	3129490	77.70	ng/uL		98
27) 2-Nitrophenol	7.798	139	932144	86.58	ng/uL		94
28) Benzoic Acid	8.157	105	530593m	41.91	ng/uL		
29) 2,4-Dimethylphenol	7.969	107	1726949	85.23	ng/uL		98
30) bis(2-Chloroethoxy)met...	8.092	93	2096951	80.92	ng/uL		98
31) 2,4-Dichlorophenol	8.210	162	1395277	88.38	ng/uL		95
32) 1,2,4-Trichlorobenzene	8.304	180	1445813	83.18	ng/uL		99
33) Naphthalene	8.404	128	5733218	83.98	ng/uL		100
34) 4-Chloroaniline	8.545	127	2001019	69.51	ng/uL		99
35) Hexachlorobutadiene	8.657	225	713170	84.30	ng/uL		98
36) Caprolactam	9.069	113	640481	88.47	ug/mL#		71
37) 4-Chloro-3-methylphenol	9.386	107	1617491	87.33	ng/uL		99
38) 2-Methylnaphthalene	9.527	142	6255700	84.18	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003206.D
 Acq On : 23 Oct 2012 10:19 pm
 Operator : IBM
 Sample : CJ22326-MSD1
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

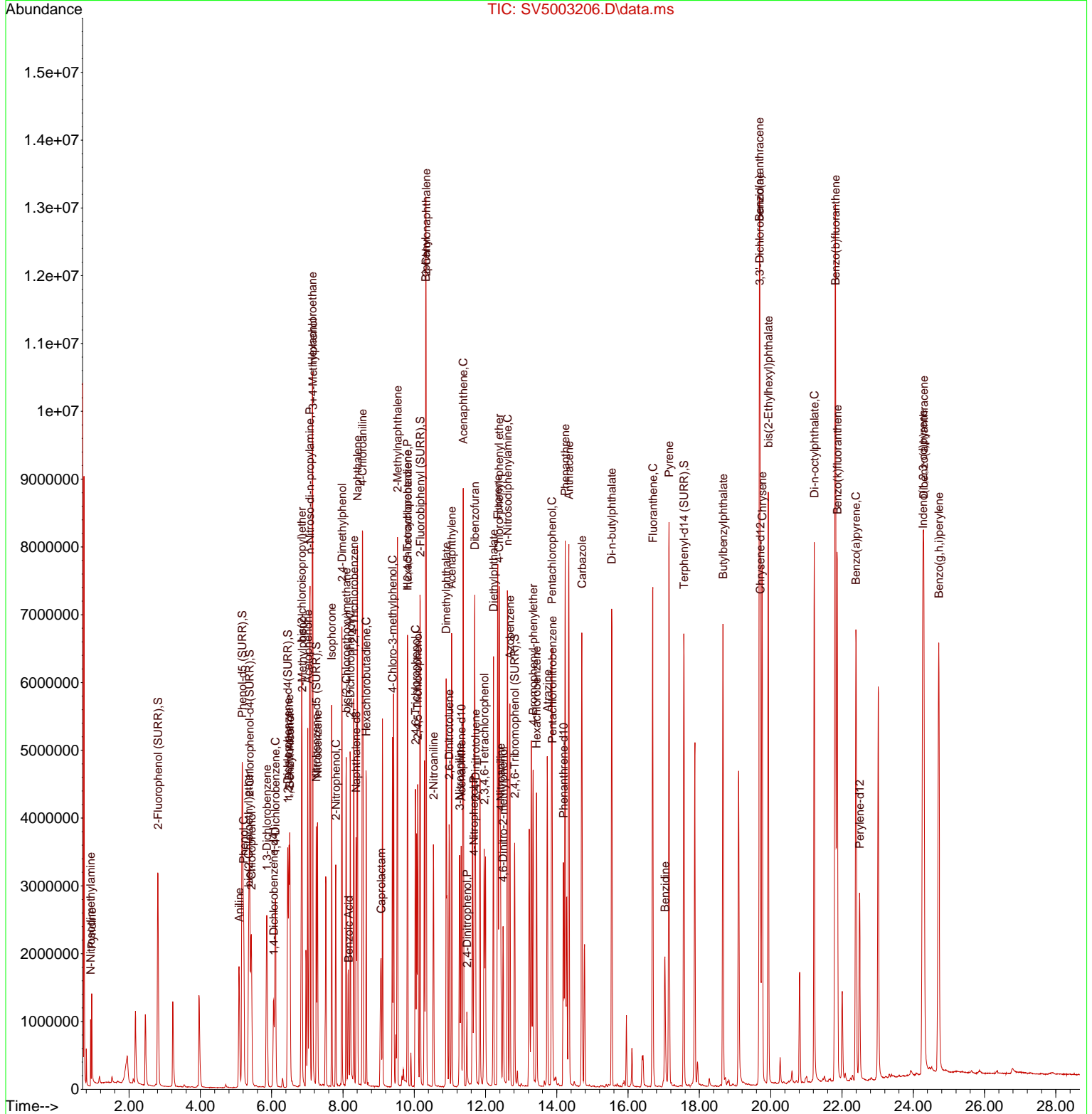
Quant Time: Oct 24 08:57:41 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Wed Oct 24 08:41:24 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,2,4,5-Tetrachloroben...	9.810	216	1421064	86.66	ng/uL	99
42) Hexachlorocyclopentadiene	9.810	237	366211	55.11	ng/uL	97
43) 2,4,6-Trichlorophenol	10.033	196	940714	85.68	ng/uL	97
44) 2,4,5-Trichlorophenol	10.098	196	1039272	92.66	ng/uL	99
46) Biphenyl	10.322	154	5594441	80.86	ng/uL	98
47) 2-Chloronaphthalene	10.333	162	3161786	79.19	ng/uL	97
48) Dimethylphthalate	10.898	163	3555843	84.95	ng/uL	100
49) Acenaphthylene	11.051	152	5511811	75.30	ng/uL	100
50) 2,6-Dinitrotoluene	10.980	165	872002	87.00	ng/uL	100
51) 2-Nitroaniline	10.539	65	1082620	67.72	ng/uL	97
52) Acenaphthene	11.374	153	5112927	88.12	ng/uL	100
53) 2,4-Dinitrophenol	11.474	184	299890	84.87	ng/uL	92
54) Dibenzofuran	11.698	168	4492544	83.94	ng/uL	97
55) 4-Nitrophenol	11.674	65	712549	76.24	ng/uL	98
56) 3-Nitroaniline	11.274	138	981600	78.96	ng/uL	91
57) 2,4-Dinitrotoluene	11.721	165	1127940	87.98	ng/uL	90
58) Fluorene	12.345	166	7613773	89.19	ng/uL	95
59) 2,3,4,6-Tetrachlorophenol	11.963	232	777594	89.17	ng/uL	97
60) Diethylphthalate	12.221	149	3601840	85.78	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.380	204	1774480	86.97	ng/uL	99
63) 4-Nitroaniline	12.421	138	1040494	88.02	ng/uL	92
64) 4,6-Dinitro-2-methylph...	12.492	198	640218	88.87	ng/uL	94
65) n-Nitrosodiphenylamine	12.616	169	5217844	84.30	ng/uL	99
66) Azobenzene	12.686	77	3736729	76.13	ng/uL	94
68) 4-Bromophenyl-phenylether	13.333	248	952920	88.92	ng/uL	91
69) Hexachlorobenzene	13.433	284	1036518	89.97	ng/uL	97
70) Atrazine	13.733	200	904052	83.16	ug/mL	97
71) Pentachloronitrobenzene	13.874	237	345185	87.98	ng/uL	86
72) Pentachlorophenol	13.857	266	560673	83.19	ng/uL	98
73) Phenanthrene	14.233	178	6418551	93.45	ng/uL	89
74) Anthracene	14.339	178	6239494	91.90	ng/uL	100
75) Carbazole	14.704	167	6230273	85.37	ng/uL	100
76) Di-n-butylphthalate	15.539	149	6157947	86.22	ng/uL	100
77) Fluoranthene	16.692	202	6588518	90.73	ng/uL	90
78) Benzidine	17.033	184	1796216	49.99	ng/uL	97
80) Pyrene	17.151	202	7419476	94.18	ng/uL	87
82) Butylbenzylphthalate	18.662	149	2779534	82.35	ng/uL	97
83) 3,3'-Dichlorobenzidine	19.692	252	1935180	80.54	ng/uL	98
84) Benzo(a)anthracene	19.686	228	6389363	90.94	ng/uL	100
85) Chrysene	19.762	228	6087453	93.00	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	19.933	149	3885605	84.57	ng/uL	97
88) Di-n-octylphthalate	21.221	149	6670292	84.29	ng/uL	100
89) Benzo(b)fluoranthene	21.815	252	6639012	91.59	ng/uL	98
90) Benzo(k)fluoranthene	21.868	252	6220730	98.85	ng/uL	98
91) Benzo(a)pyrene	22.391	252	5659096	86.21	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.268	276	8019901	95.40	ng/uL	95
93) Dibenzo(a,h)anthracene	24.297	278	7906986	96.15	ng/uL	99
94) Benzo(g,h,i)perylene	24.715	276	6866579	96.30	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\102312\
Data File : SV5003206.D
Acq On : 23 Oct 2012 10:19 pm
Operator : IBM
Sample : CJ22326-MSD1
Misc :
ALS Vial : 13 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 24 08:57:41 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
QLast Update : Wed Oct 24 08:41:24 2012
Response via : Initial Calibration



PAH Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory:	<u>ESS Laboratory</u>	SDG:	<u>1210478</u>
Client:	<u>AMEC Environmental and Infrastructure</u>	Project:	<u>Gorham Parcel C-1 Cap</u>
Sequence:	<u>CVJ0192</u>	Instrument:	<u>SVOAMS5</u>
Matrix:	<u>Solid</u>	Calibration:	<u>1210020</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	CVJ0192-TUN1	SV5003108.D	10/18/12 11:45
Cal Standard	CVJ0192-CAL1	SV5003110.D	10/18/12 12:32
Cal Standard	CVJ0192-CAL2	SV5003111.D	10/18/12 13:05
Cal Standard	CVJ0192-CAL3	SV5003112.D	10/18/12 13:38
Cal Standard	CVJ0192-CAL4	SV5003113.D	10/18/12 14:11
Cal Standard	CVJ0192-CAL5	SV5003114.D	10/18/12 14:45
Cal Standard	CVJ0192-CAL6	SV5003115.D	10/18/12 15:18
Cal Standard	CVJ0192-CAL7	SV5003116.D	10/18/12 15:51
Cal Standard	CVJ0192-CAL8	SV5003117.D	10/18/12 16:24
Cal Standard	CVJ0192-CAL9	SV5003118.D	10/18/12 16:57
Cal Standard	CVJ0192-CALA	SV5003119.D	10/18/12 17:31
Cal Standard	CVJ0192-CALB	SV5003120.D	10/18/12 18:04
Secondary Cal Check	CVJ0192-SCV1	SV5003121.D	10/18/12 18:37

ANALYSIS BATCH (SEQUENCE) SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0258

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	CVJ0258-TUN1	SV5003194.D	10/23/12 15:07
Calibration Check	CVJ0258-CCV1	SV5003195.D	10/23/12 15:21
Blank	CJ22326-BLK1	SV5003199.D	10/23/12 18:26
LCS	CJ22326-BS1	SV5003200.D	10/23/12 18:59
LCS Dup	CJ22326-BSD1	SV5003201.D	10/23/12 19:32
SSSWN02	1210478-01	SV5003202.D	10/23/12 20:06
SSSWB04	1210478-02	SV5003203.D	10/23/12 20:39
SSSWS02	1210478-03	SV5003204.D	10/23/12 21:12
SSSWS02	CJ22326-MS1	SV5003205.D	10/23/12 21:45
SSSWS02	CJ22326-MSD1	SV5003206.D	10/23/12 22:19

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Lab File ID: SV5003108.D

Injection Date: 10/18/12

Instrument ID: SVOAMS5

Injection Time: 11:45

Sequence: CVJ0192

Lab Sample ID: CVJ0192-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	30.7	PASS
68	Less than 2% of 69	1.41	PASS
69	Less than 100% of 198	36.9	PASS
70	Less than 2% of 69	0.524	PASS
127	40 - 60% of 198	48.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.01	PASS
275	10 - 30% of 198	22.5	PASS
365	1 - 100% of 198	1.46	PASS
441	0.01 - 100% of 443	75.8	PASS
442	40 - 110% of 198	62.8	PASS
443	17 - 23% of 442	20.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Lab File ID: SV5003194.D

Injection Date: 10/23/12

Instrument ID: SVOAMS5

Injection Time: 15:07

Sequence: CVJ0258

Lab Sample ID: CVJ0258-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	30.4	PASS
68	Less than 2% of 69	1.53	PASS
69	Less than 100% of 198	36.1	PASS
70	Less than 2% of 69	0.487	PASS
127	40 - 60% of 198	48.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.18	PASS
275	10 - 30% of 198	22.6	PASS
365	1 - 100% of 198	1.35	PASS
441	0.01 - 100% of 443	76.3	PASS
442	40 - 110% of 198	62.5	PASS
443	17 - 23% of 442	20.2	PASS

CONTINUING CALIBRATION CHECK

8270C

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210478</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Instrument ID: <u>SVOAMS5</u>	Calibration: <u>1210020</u>
Lab File ID: <u>SV5003195.D</u>	Calibration Date: <u>10/18/12 10:06</u>
Sequence: <u>CVJ0258</u>	Injection Date: <u>10/23/12</u>
Lab Sample ID: <u>CVJ0258-CCV1</u>	Injection Time: <u>15:21</u>

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Methylnaphthalene	A	50.00	51.1	1.214879	1.242231		2.3	30
Acenaphthene	A	50.00	49.3	1.548178	1.52714		-1.4	20
Acenaphthylene	A	50.00	50.3	1.953155	1.964212		0.6	30
Anthracene	A	50.00	50.8	1.10904	1.127055		1.6	30
Benzo(a)anthracene	A	50.00	49.2	1.169961	1.152438		-1.5	30
Benzo(a)pyrene	A	50.00	49.4	1.185842	1.170812		-1.3	20
Benzo(b)fluoranthene	A	50.00	51.2	1.309503	1.339966		2.3	30
Benzo(g,h,i)perylene	A	50.00	50.4	1.288069	1.298634		0.8	30
Benzo(k)fluoranthene	A	50.00	51.7	1.136859	1.174695		3.3	30
Chrysene	A	50.00	50.2	1.089976	1.094378		0.4	30
Dibenzo(a,h)Anthracene	A	50.00	50.9	1.485563	1.512889		1.8	30
Fluoranthene	A	50.00	51.1	1.18622	1.211899		2.2	20
Fluorene	A	50.00	50.5	2.277804	2.302402		1.1	30
Indeno(1,2,3-cd)Pyrene	A	50.00	50.5	1.518601	1.534487		1.0	30
Naphthalene	A	50.00	50.6	1.11609	1.12851		1.1	30
Phenanthrene	A	50.00	49.9	1.121905	1.120097		-0.2	30
Pyrene	A	50.00	50.5	1.311846	1.324163		0.9	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0192

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0192-CAL1)				Lab File ID: SV5003110.D		Analyzed: 10/18/12 12:32		
1,2-Dichlorobenzene-d4	1.000	182		6.545	6.5371	0.0079	+/-1.0	
2-Fluorobiphenyl	1.000	106		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	1.000	99		7.328	7.317636	0.0104	+/-1.0	
p-Terphenyl-d14	1.000	99		17.656	17.69427	-0.0383	+/-1.0	
Cal Standard (CVJ0192-CAL2)				Lab File ID: SV5003111.D		Analyzed: 10/18/12 13:05		
1,2-Dichlorobenzene-d4	5.000	80		6.539	6.5371	0.0019	+/-1.0	
2-Fluorobiphenyl	5.000	95		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	5.000	95		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	5.000	93		17.692	17.69427	-0.0023	+/-1.0	
Cal Standard (CVJ0192-CAL3)				Lab File ID: SV5003112.D		Analyzed: 10/18/12 13:38		
1,2-Dichlorobenzene-d4	10.00	82		6.54	6.5371	0.0029	+/-1.0	
2-Fluorobiphenyl	10.00	99		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	10.00	98		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	10.00	99		17.692	17.69427	-0.0023	+/-1.0	
Cal Standard (CVJ0192-CAL4)				Lab File ID: SV5003113.D		Analyzed: 10/18/12 14:11		
1,2-Dichlorobenzene-d4	20.00	82		6.54	6.5371	0.0029	+/-1.0	
2-Fluorobiphenyl	20.00	99		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	20.00	102		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	20.00	102		17.692	17.69427	-0.0023	+/-1.0	
Cal Standard (CVJ0192-CAL5)				Lab File ID: SV5003114.D		Analyzed: 10/18/12 14:45		
1,2-Dichlorobenzene-d4	50.00	100		6.54	6.5371	0.0029	+/-1.0	
2-Fluorobiphenyl	50.00	102		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	50.00	100		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	50.00	100		17.692	17.69427	-0.0023	+/-1.0	
Cal Standard (CVJ0192-CAL6)				Lab File ID: SV5003115.D		Analyzed: 10/18/12 15:18		
1,2-Dichlorobenzene-d4	75.00	83		6.533	6.5371	-0.0041	+/-1.0	
2-Fluorobiphenyl	75.00	99		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	75.00	102		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	75.00	104		17.697	17.69427	0.0027	+/-1.0	
Cal Standard (CVJ0192-CAL7)				Lab File ID: SV5003116.D		Analyzed: 10/18/12 15:51		
1,2-Dichlorobenzene-d4	100.0	83		6.534	6.5371	-0.0031	+/-1.0	
2-Fluorobiphenyl	100.0	99		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	100.0	103		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	100.0	103		17.698	17.69427	0.0037	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0192

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0192-CAL8)		Lab File ID: SV5003117.D			Analyzed: 10/18/12 16:24			
1,2-Dichlorobenzene-d4	125.0	85		6.534	6.5371	-0.0031	+/-1.0	
2-Fluorobiphenyl	125.0	99		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	125.0	103		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	125.0	103		17.703	17.69427	0.0087	+/-1.0	
Cal Standard (CVJ0192-CAL9)		Lab File ID: SV5003118.D			Analyzed: 10/18/12 16:57			
1,2-Dichlorobenzene-d4	150.0	85		6.533	6.5371	-0.0041	+/-1.0	
2-Fluorobiphenyl	150.0	98		10.245	10.24609	-0.0011	+/-1.0	
Nitrobenzene-d5	150.0	101		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	150.0	101		17.703	17.69427	0.0087	+/-1.0	
Cal Standard (CVJ0192-CALA)		Lab File ID: SV5003119.D			Analyzed: 10/18/12 17:31			
1,2-Dichlorobenzene-d4	200.0	86		6.539	6.5371	0.0019	+/-1.0	
2-Fluorobiphenyl	200.0	98		10.251	10.24609	0.0049	+/-1.0	
Nitrobenzene-d5	200.0	102		7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	200.0	101		17.703	17.69427	0.0087	+/-1.0	
Cal Standard (CVJ0192-CALB)		Lab File ID: SV5003120.D			Analyzed: 10/18/12 18:04			
1,2-Dichlorobenzene-d4	250.0	86		6.539	6.5371	0.0019	+/-1.0	
2-Fluorobiphenyl	250.0	98		10.251	10.24609	0.0049	+/-1.0	
Nitrobenzene-d5	250.0	101		7.322	7.317636	0.0044	+/-1.0	
p-Terphenyl-d14	250.0	101		17.709	17.69427	0.0147	+/-1.0	
Secondary Cal Check (CVJ0192-SCV1)		Lab File ID: SV5003121.D			Analyzed: 10/18/12 18:37			
1,2-Dichlorobenzene-d4	50.00	100	70 - 130	6.533	6.5371	-0.0041	+/-1.0	
2-Fluorobiphenyl	50.00	99	70 - 130	10.239	10.24609	-0.0071	+/-1.0	
Nitrobenzene-d5	50.00	100	70 - 130	7.316	7.317636	-0.0016	+/-1.0	
p-Terphenyl-d14	50.00	102	70 - 130	17.697	17.69427	0.0027	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210478</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Sequence: <u>CVJ0258</u>	Instrument: <u>SVOAMS5</u>
Matrix: <u>Solid</u>	Calibration: <u>1210020</u>

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (CVJ0258-CCV1)								
Lab File ID: SV5003195.D				Analyzed: 10/23/12 15:21				
1,2-Dichlorobenzene-d4	50.00	102	70 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	50.00	100	70 - 130	10.168	10.24609	-0.0781	+/-1.0	
Nitrobenzene-d5	50.00	98	70 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	50.00	102	70 - 130	17.562	17.69427	-0.1323	+/-1.0	
Blank (CJ22326-BLK1)								
Lab File ID: SV5003199.D				Analyzed: 10/23/12 18:26				
1,2-Dichlorobenzene-d4	3.333	66	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.333	68	30 - 130	10.163	10.24609	-0.0831	+/-1.0	
Nitrobenzene-d5	3.333	66	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.333	93	30 - 130	17.562	17.69427	-0.1323	+/-1.0	
LCS (CJ22326-BS1)								
Lab File ID: SV5003200.D				Analyzed: 10/23/12 18:59				
1,2-Dichlorobenzene-d4	3.333	68	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.333	70	30 - 130	10.169	10.24609	-0.0771	+/-1.0	
Nitrobenzene-d5	3.333	67	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.333	90	30 - 130	17.562	17.69427	-0.1323	+/-1.0	
LCS Dup (CJ22326-BSD1)								
Lab File ID: SV5003201.D				Analyzed: 10/23/12 19:32				
1,2-Dichlorobenzene-d4	3.333	60	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.333	67	30 - 130	10.169	10.24609	-0.0771	+/-1.0	
Nitrobenzene-d5	3.333	60	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.333	88	30 - 130	17.562	17.69427	-0.1323	+/-1.0	
SSSWN02 (1210478-01)								
Lab File ID: SV5003202.D				Analyzed: 10/23/12 20:06				
1,2-Dichlorobenzene-d4	3.543	69	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.543	73	30 - 130	10.163	10.24609	-0.0831	+/-1.0	
Nitrobenzene-d5	3.543	67	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.543	93	30 - 130	17.562	17.69427	-0.1323	+/-1.0	
SSSWB04 (1210478-02)								
Lab File ID: SV5003203.D				Analyzed: 10/23/12 20:39				
1,2-Dichlorobenzene-d4	3.592	67	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.592	70	30 - 130	10.163	10.24609	-0.0831	+/-1.0	
Nitrobenzene-d5	3.592	65	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.592	91	30 - 130	17.562	17.69427	-0.1323	+/-1.0	
SSSWS02 (1210478-03)								
Lab File ID: SV5003204.D				Analyzed: 10/23/12 21:12				
1,2-Dichlorobenzene-d4	3.486	62	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.486	68	30 - 130	10.163	10.24609	-0.0831	+/-1.0	
Nitrobenzene-d5	3.486	63	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.486	92	30 - 130	17.562	17.69427	-0.1323	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8270C

Laboratory: <u>ESS Laboratory</u>	SDG: <u>1210478</u>
Client: <u>AMEC Environmental and Infrastructure</u>	Project: <u>Gorham Parcel C-1 Cap</u>
Sequence: <u>CVJ0258</u>	Instrument: <u>SVOAMS5</u>
Matrix: <u>Solid</u>	Calibration: <u>1210020</u>

Surrogate Compound	Spike Level mg/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Matrix Spike (CJ22326-MS1)		Lab File ID: SV5003205.D			Analyzed: 10/23/12 21:45			
1,2-Dichlorobenzene-d4	3.556	65	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.556	72	30 - 130	10.169	10.24609	-0.0771	+/-1.0	
Nitrobenzene-d5	3.556	67	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.556	91	30 - 130	17.562	17.69427	-0.1323	+/-1.0	
Matrix Spike Dup (CJ22326-MSD1)		Lab File ID: SV5003206.D			Analyzed: 10/23/12 22:19			
1,2-Dichlorobenzene-d4	3.655	80	30 - 130	6.451	6.5371	-0.0861	+/-1.0	
2-Fluorobiphenyl	3.655	82	30 - 130	10.169	10.24609	-0.0771	+/-1.0	
Nitrobenzene-d5	3.655	80	30 - 130	7.251	7.317636	-0.0666	+/-1.0	
p-Terphenyl-d14	3.655	88	30 - 130	17.562	17.69427	-0.1323	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0192

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0192-CAL1)			Lab File ID: SV5003110.D			Analyzed: 10/18/12 12:32			
1,4-Dichlorobenzene-d4	574870	6.169	579514	6.163	99	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2323133	8.439	2299100	8.434	101	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1348058	11.398	1343631	11.404	100	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2179870	14.28	2165061	14.304	101	50 - 200	-0.0240	+/-0.50	
Chrysene-d12	2011784	19.803	2046733	19.845	98	50 - 200	-0.0420	+/-0.50	
Perylene-d12	1954449	22.591	1868584	22.644	105	50 - 200	-0.0530	+/-0.50	
Cal Standard (CVJ0192-CAL2)			Lab File ID: SV5003111.D			Analyzed: 10/18/12 13:05			
1,4-Dichlorobenzene-d4	592928	6.163	579514	6.163	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2386735	8.433	2299100	8.434	104	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1385125	11.404	1343631	11.404	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2259318	14.304	2165061	14.304	104	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2082798	19.844	2046733	19.845	102	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1978899	22.644	1868584	22.644	106	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0192-CAL3)			Lab File ID: SV5003112.D			Analyzed: 10/18/12 13:38			
1,4-Dichlorobenzene-d4	578905	6.163	579514	6.163	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2358662	8.434	2299100	8.434	103	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1368331	11.404	1343631	11.404	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2195560	14.304	2165061	14.304	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2046487	19.845	2046733	19.845	100	50 - 200	0.0000	+/-0.50	
Perylene-d12	1900894	22.65	1868584	22.644	102	50 - 200	0.0060	+/-0.50	
Cal Standard (CVJ0192-CAL4)			Lab File ID: SV5003113.D			Analyzed: 10/18/12 14:11			
1,4-Dichlorobenzene-d4	595198	6.163	579514	6.163	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2381532	8.434	2299100	8.434	104	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1391668	11.404	1343631	11.404	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2247782	14.304	2165061	14.304	104	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2077555	19.845	2046733	19.845	102	50 - 200	0.0000	+/-0.50	
Perylene-d12	1906929	22.644	1868584	22.644	102	50 - 200	0.0000	+/-0.50	
Cal Standard (CVJ0192-CAL5)			Lab File ID: SV5003114.D			Analyzed: 10/18/12 14:45			
1,4-Dichlorobenzene-d4	579514	6.163	579514	6.163	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2299100	8.434	2299100	8.434	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1343631	11.404	1343631	11.404	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2165061	14.304	2165061	14.304	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2046733	19.845	2046733	19.845	100	50 - 200	0.0000	+/-0.50	
Perylene-d12	1868584	22.644	1868584	22.644	100	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0192

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0192-CAL6)			Lab File ID: SV5003115.D			Analyzed: 10/18/12 15:18			
1,4-Dichlorobenzene-d4	588258	6.163	579514	6.163	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2332711	8.433	2299100	8.434	101	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1367525	11.404	1343631	11.404	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2202836	14.309	2165061	14.304	102	50 - 200	0.0050	+/-0.50	
Chrysene-d12	2109407	19.85	2046733	19.845	103	50 - 200	0.0050	+/-0.50	
Perylene-d12	1896101	22.656	1868584	22.644	101	50 - 200	0.0120	+/-0.50	
Cal Standard (CVJ0192-CAL7)			Lab File ID: SV5003116.D			Analyzed: 10/18/12 15:51			
1,4-Dichlorobenzene-d4	610267	6.163	579514	6.163	105	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2365663	8.439	2299100	8.434	103	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1390432	11.404	1343631	11.404	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2241938	14.309	2165061	14.304	104	50 - 200	0.0050	+/-0.50	
Chrysene-d12	2162463	19.856	2046733	19.845	106	50 - 200	0.0110	+/-0.50	
Perylene-d12	1941607	22.662	1868584	22.644	104	50 - 200	0.0180	+/-0.50	
Cal Standard (CVJ0192-CAL8)			Lab File ID: SV5003117.D			Analyzed: 10/18/12 16:24			
1,4-Dichlorobenzene-d4	608804	6.163	579514	6.163	105	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2347402	8.439	2299100	8.434	102	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1385142	11.404	1343631	11.404	103	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2248179	14.309	2165061	14.304	104	50 - 200	0.0050	+/-0.50	
Chrysene-d12	2145458	19.856	2046733	19.845	105	50 - 200	0.0110	+/-0.50	
Perylene-d12	1937765	22.662	1868584	22.644	104	50 - 200	0.0180	+/-0.50	
Cal Standard (CVJ0192-CAL9)			Lab File ID: SV5003118.D			Analyzed: 10/18/12 16:57			
1,4-Dichlorobenzene-d4	619010	6.163	579514	6.163	107	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2370636	8.439	2299100	8.434	103	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1403804	11.404	1343631	11.404	104	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2270862	14.315	2165061	14.304	105	50 - 200	0.0110	+/-0.50	
Chrysene-d12	2217095	19.862	2046733	19.845	108	50 - 200	0.0170	+/-0.50	
Perylene-d12	1957591	22.668	1868584	22.644	105	50 - 200	0.0240	+/-0.50	
Cal Standard (CVJ0192-CALA)			Lab File ID: SV5003119.D			Analyzed: 10/18/12 17:31			
1,4-Dichlorobenzene-d4	612433	6.163	579514	6.163	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2303264	8.439	2299100	8.434	100	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1369538	11.41	1343631	11.404	102	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	2210828	14.315	2165061	14.304	102	50 - 200	0.0110	+/-0.50	
Chrysene-d12	2159582	19.862	2046733	19.845	106	50 - 200	0.0170	+/-0.50	
Perylene-d12	1939711	22.662	1868584	22.644	104	50 - 200	0.0180	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0192

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (CVJ0192-CALB)			Lab File ID: SV5003120.D			Analyzed: 10/18/12 18:04			
1,4-Dichlorobenzene-d4	613453	6.163	579514	6.163	106	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2267013	8.439	2299100	8.434	99	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1342195	11.41	1343631	11.404	100	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10	2191411	14.321	2165061	14.304	101	50 - 200	0.0170	+/-0.50	
Chrysene-d12	2158491	19.868	2046733	19.845	105	50 - 200	0.0230	+/-0.50	
Perylene-d12	1958857	22.674	1868584	22.644	105	50 - 200	0.0300	+/-0.50	
Secondary Cal Check (CVJ0192-SCV1)			Lab File ID: SV5003121.D			Analyzed: 10/18/12 18:37			
1,4-Dichlorobenzene-d4	577116	6.163	579514	6.163	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2302484	8.433	2299100	8.434	100	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1373736	11.404	1343631	11.404	102	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2220355	14.309	2165061	14.304	103	50 - 200	0.0050	+/-0.50	
Chrysene-d12	2155545	19.856	2046733	19.845	105	50 - 200	0.0110	+/-0.50	
Perylene-d12	1965020	22.656	1868584	22.644	105	50 - 200	0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0258

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (CVJ0258-CCV1)			Lab File ID: SV5003195.D			Analyzed: 10/23/12 15:21			
1,4-Dichlorobenzene-d4	603886	6.051				50 - 200		+/-0.50	
Naphthalene-d8	2451772	8.369				50 - 200		+/-0.50	
Acenaphthene-d10	1474812	11.315				50 - 200		+/-0.50	
Phenanthrene-d10	2412828	14.186				50 - 200		+/-0.50	
Chrysene-d12	2338789	19.709				50 - 200		+/-0.50	
Perylene-d12	2135409	22.491				50 - 200		+/-0.50	
Blank (CJ22326-BLK1)			Lab File ID: SV5003199.D			Analyzed: 10/23/12 18:26			
1,4-Dichlorobenzene-d4	627349	6.057	603886	6.051	104	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2606587	8.369	2451772	8.369	106	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1567394	11.316	1474812	11.315	106	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2575603	14.18	2412828	14.186	107	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2426352	19.703	2338789	19.709	104	50 - 200	-0.0060	+/-0.50	
Perylene-d12	2460005	22.491	2135409	22.491	115	50 - 200	0.0000	+/-0.50	
LCS (CJ22326-BS1)			Lab File ID: SV5003200.D			Analyzed: 10/23/12 18:59			
1,4-Dichlorobenzene-d4	601339	6.051	603886	6.051	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2444553	8.369	2451772	8.369	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1495058	11.316	1474812	11.315	101	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2444223	14.186	2412828	14.186	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2410095	19.709	2338789	19.709	103	50 - 200	0.0000	+/-0.50	
Perylene-d12	2198190	22.491	2135409	22.491	103	50 - 200	0.0000	+/-0.50	
LCS Dup (CJ22326-BS1)			Lab File ID: SV5003201.D			Analyzed: 10/23/12 19:32			
1,4-Dichlorobenzene-d4	595925	6.051	603886	6.051	99	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2429994	8.369	2451772	8.369	99	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1487081	11.316	1474812	11.315	101	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2442577	14.186	2412828	14.186	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2400141	19.709	2338789	19.709	103	50 - 200	0.0000	+/-0.50	
Perylene-d12	2202135	22.491	2135409	22.491	103	50 - 200	0.0000	+/-0.50	
SSSWN02 (1210478-01)			Lab File ID: SV5003202.D			Analyzed: 10/23/12 20:06			
1,4-Dichlorobenzene-d4	562092	6.051	603886	6.051	93	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2366164	8.369	2451772	8.369	97	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1409089	11.315	1474812	11.315	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2317415	14.18	2412828	14.186	96	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2224424	19.697	2338789	19.709	95	50 - 200	-0.0120	+/-0.50	
Perylene-d12	2180737	22.491	2135409	22.491	102	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sequence: CVJ0258

Instrument: SVOAMS5

Matrix: Solid

Calibration: 1210020

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
SSSWB04 (1210478-02)			Lab File ID: SV5003203.D			Analyzed: 10/23/12 20:39			
1,4-Dichlorobenzene-d4	588809	6.051	603886	6.051	98	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2473312	8.369	2451772	8.369	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1465335	11.31	1474812	11.315	99	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2426681	14.18	2412828	14.186	101	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2286443	19.697	2338789	19.709	98	50 - 200	-0.0120	+/-0.50	
Perylene-d12	2248483	22.491	2135409	22.491	105	50 - 200	0.0000	+/-0.50	
SSSWS02 (1210478-03)			Lab File ID: SV5003204.D			Analyzed: 10/23/12 21:12			
1,4-Dichlorobenzene-d4	568190	6.051	603886	6.051	94	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2379030	8.369	2451772	8.369	97	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1416386	11.316	1474812	11.315	96	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2336622	14.18	2412828	14.186	97	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	2234673	19.703	2338789	19.709	96	50 - 200	-0.0060	+/-0.50	
Perylene-d12	2188361	22.491	2135409	22.491	102	50 - 200	0.0000	+/-0.50	
Matrix Spike (CJ22326-MS1)			Lab File ID: SV5003205.D			Analyzed: 10/23/12 21:45			
1,4-Dichlorobenzene-d4	604661	6.051	603886	6.051	100	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2453197	8.369	2451772	8.369	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1513045	11.316	1474812	11.315	103	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2470309	14.186	2412828	14.186	102	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2431787	19.709	2338789	19.709	104	50 - 200	0.0000	+/-0.50	
Perylene-d12	2218938	22.491	2135409	22.491	104	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (CJ22326-MSD1)			Lab File ID: SV5003206.D			Analyzed: 10/23/12 22:19			
1,4-Dichlorobenzene-d4	596641	6.057	603886	6.051	99	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2446846	8.369	2451772	8.369	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1499154	11.316	1474812	11.315	102	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2448748	14.186	2412828	14.186	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2402123	19.709	2338789	19.709	103	50 - 200	0.0000	+/-0.50	
Perylene-d12	2214188	22.491	2135409	22.491	104	50 - 200	0.0000	+/-0.50	

INITIAL CALIBRATION STANDARDS

8270C

Laboratory:	ESS Laboratory	SDG:	1210478
Client:	AMEC Environmental and Infrastructure	Project:	Gorham Parcel C-1 Cap
Sequence:	CVJ0192	Instrument:	SVOAMS5
Calibration:	1210020		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2I24070	8270 DFTPP Tune Mix @ 50ppm	CVJ0192-TUN1	SV5003108.D	10/18/12 11:45
2J18053	BNA 8270 STD 1 PPM	CVJ0192-CAL1	SV5003110.D	10/18/12 12:32
2J18054	BNA 8270 STD 5 PPM	CVJ0192-CAL2	SV5003111.D	10/18/12 13:05
2J18055	BNA 8270 STD 10 PPM	CVJ0192-CAL3	SV5003112.D	10/18/12 13:38
2J18056	BNA 8270 STD 20 PPM	CVJ0192-CAL4	SV5003113.D	10/18/12 14:11
2J18057	BNA 8270 STD 50 PPM	CVJ0192-CAL5	SV5003114.D	10/18/12 14:45
2J18058	BNA 8270 STD 75 PPM	CVJ0192-CAL6	SV5003115.D	10/18/12 15:18
2J18059	BNA 8270 STD 100 PPM	CVJ0192-CAL7	SV5003116.D	10/18/12 15:51
2J18060	BNA 8270 STD 125 PPM	CVJ0192-CAL8	SV5003117.D	10/18/12 16:24
2J18061	BNA 8270 STD 150 PPM	CVJ0192-CAL9	SV5003118.D	10/18/12 16:57
2J18062	BNA 8270 STD 200 PPM	CVJ0192-CALA	SV5003119.D	10/18/12 17:31
2J18063	BNA 8270 STD 250 PPM	CVJ0192-CALB	SV5003120.D	10/18/12 18:04
2J18091	8270 Ultra SS @ 50ppm	CVJ0192-SCV1	SV5003121.D	10/18/12 18:37

INITIAL CALIBRATION DATA

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210020

Instrument: SVOAMS5

Matrix: Solid

Calibration Date: 10/18/12 10:06

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
2-Methylnaphthalene	1	1.254341	5	1.172209	10	1.215292	20	1.231283	50	1.222299	75	1.217786
Acenaphthene	1	1.715119	5	1.524027	10	1.549979	20	1.553375	50	1.539411	75	1.531827
Acenaphthylene	1	2.015017	5	1.902933	10	1.959505	20	1.976812	50	1.992059	75	1.972932
Anthracene	1	1.083477	5	1.034436	10	1.098087	20	1.109436	50	1.126157	75	1.127053
Benzo(a)anthracene	1	1.415898	5	1.078699	10	1.108931	20	1.136682	50	1.153132	75	1.164872
Benzo(a)pyrene	1	1.285007	5	1.125907	10	1.116538	20	1.125149	50	1.164449	75	1.178633
Benzo(b)fluoranthene	1	1.149664	5	1.144944	10	1.245776	20	1.234291	50	1.307921	75	1.379241
Benzo(g,h,i)perylene	1	1.255044	5	1.19726	10	1.225556	20	1.241922	50	1.253526	75	1.270965
Benzo(k)fluoranthene	1	1.004825	5	1.051506	10	1.120761	20	1.198905	50	1.209265	75	1.166989
Chrysene	1	1.194681	5	1.057501	10	1.07755	20	1.088222	50	1.108743	75	1.073276
Dibenzo(a,h)Anthracene	1	1.411938	5	1.301204	10	1.396795	20	1.431446	50	1.476633	75	1.489622
Fluoranthene	1	1.140215	5	1.095623	10	1.129975	20	1.16581	50	1.217663	75	1.212278
Fluorene	1	2.335003	5	2.163831	10	2.239373	20	2.272564	50	2.30229	75	2.290527
Indeno(1,2,3-cd)Pyrene	1	1.500802	5	1.354968	10	1.412523	20	1.453937	50	1.488782	75	1.515628
Naphthalene	1	1.264516	5	1.134524	10	1.142602	20	1.145749	50	1.137685	75	1.115835
Phenanthrene	1	1.204769	5	1.090832	10	1.12739	20	1.119596	50	1.123254	75	1.122087
Pyrene	1	1.322806	5	1.260101	10	1.303035	20	1.342001	50	1.35101	75	1.33225
1,2-Dichlorobenzene-d4	1	4.778837	5	1.102893	10	1.052138	20	1.001603	50	0.9776634	75	0.9778594
2-Fluorobiphenyl	1	1.630612	5	1.507029	10	1.541323	20	1.545731	50	1.544867	75	1.533452
Nitrobenzene-d5	1	0.3445347	5	0.3301581	10	0.3333907	20	0.3451165	50	0.3476992	75	0.3479922
p-Terphenyl-d14	1	0.8898172	5	0.8339205	10	0.8654968	20	0.8905208	50	0.8991903	75	0.9082419

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210020

Instrument: SVOAMS5

Matrix: Solid

Calibration Date: 10/18/12 10:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
2-Methylnaphthalene	100	1.222239	125	1.223011	150	1.211913	200	1.200675	250	1.192616		
Acenaphthene	100	1.535242	125	1.532232	150	1.519467	200	1.512823	250	1.516451		
Acenaphthylene	100	1.976549	125	1.974638	150	1.926791	200	1.901929	250	1.885542		
Anthracene	100	1.136624	125	1.129323	150	1.122949	200	1.126669	250	1.105231		
Benzo(a)anthracene	100	1.164183	125	1.178105	150	1.157042	200	1.16134	250	1.150685		
Benzo(a)pyrene	100	1.185579	125	1.214502	150	1.216034	200	1.213203	250	1.219262		
Benzo(b)fluoranthene	100	1.358659	125	1.33117	150	1.385553	200	1.434232	250	1.43308		
Benzo(g,h,i)perylene	100	1.291818	125	1.317748	150	1.326894	200	1.378214	250	1.40981		
Benzo(k)fluoranthene	100	1.196446	125	1.129422	150	1.185302	200	1.12584	250	1.116185		
Chrysene	100	1.092195	125	1.106041	150	1.057389	200	1.077291	250	1.056851		
Dibenzo(a,h)Anthracene	100	1.520104	125	1.541257	150	1.546509	200	1.599101	250	1.626581		
Fluoranthene	100	1.226699	125	1.224102	150	1.21658	200	1.221384	250	1.198095		
Fluorene	100	2.306015	125	2.305944	150	2.279038	200	2.277066	250	2.28419		
Indeno(1,2,3-cd)Pyrene	100	1.53458	125	1.565776	150	1.580895	200	1.634854	250	1.661861		
Naphthalene	100	1.106659	125	1.101663	150	1.079193	200	1.062375	250	0.9861837		
Phenanthrene	100	1.128287	125	1.120022	150	1.104959	200	1.104669	250	1.095091		
Pyrene	100	1.32524	125	1.332387	150	1.292153	200	1.297123	250	1.272195		
1,2-Dichlorobenzene-d4	100	0.9486785	125	0.9530975	150	0.9350742	200	0.9289277	250	0.9196761		
2-Fluorobiphenyl	100	1.533585	125	1.531199	150	1.509754	200	1.509791	250	1.504517		
Nitrobenzene-d5	100	0.3501244	125	0.3517407	150	0.3476674	200	0.3503939	250	0.3493043		
p-Terphenyl-d14	100	0.9099058	125	0.9144423	150	0.8955433	200	0.902571	250	0.8972831		

INITIAL CALIBRATION DATA (Continued)

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210020

Instrument: SVOAMS5

Matrix: Solid

Calibration Date: 10/18/12 10:06

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2-Methylnaphthalene	1.214879	1.753314	9.600727	3.300142E-02			15	
Acenaphthene	1.548178	3.672649	11.46327	5.289173E-02			CCC (30)	
Acenaphthylene	1.953155	2.157258	11.139	3.096321E-02			15	
Anthracene	1.10904	2.651617	14.45755	9.542168E-02			15	
Benzo(a)anthracene	1.169961	7.385744	19.83	8.854432E-02			15	
Benzo(a)pyrene	1.185842	4.301625	22.55327	0.1102523			CCC (30)	
Benzo(b)fluoranthene	1.309503	7.888522	21.96936	0.1299761			15	
Benzo(g,h,i)perylene	1.288069	5.043876	24.92373	0.195592			15	
Benzo(k)fluoranthene	1.136859	5.665088	22.02173	0.1349357			15	
Chrysene	1.089976	3.599124	19.90436	9.068112E-02			15	
Dibenzo(a,h)Anthracene	1.485563	6.424924	24.49355	0.1786588			15	
Fluoranthene	1.18622	3.858106	16.81727	0.0676269			CCC (30)	
Fluorene	2.277804	1.971099	12.45309	6.486289E-02			15	
Indeno(1,2,3-cd)Pyrene	1.518601	6.028913	24.46209	0.1765679			15	
Naphthalene	1.11609	6.066176	8.47	3.137306E-02			15	
Phenanthrene	1.121905	2.706013	14.35445	9.448087E-02			15	
Pyrene	1.311846	2.224131	17.27736	7.230522E-02			15	
1,2-Dichlorobenzene-d4	0.9797611	5.966276	6.5371	4.666215E-02			15	
2-Fluorobiphenyl	1.535624	2.292473	10.24609	2.178473E-02			15	
Nitrobenzene-d5	0.3452838	2.041895	7.317636	5.484368E-02			15	
p-Terphenyl-d14	0.8915394	2.59979	17.69427	7.891021E-02			15	

SECOND-SOURCE CALIBRATION VERIFICATION

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Calibration: 1210020

Laboratory ID: CVJ0192-SCV1

Sequence: CVJ0192

Standard ID: 2J18091

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
1,2-Dichlorobenzene-d4	50.00	50.1	0.3	30.00
2-Fluorobiphenyl	50.00	49.6	-0.7	30.00
2-Methylnaphthalene	50.00	49.8	-0.3	30.00
Acenaphthene	50.00	52.2	4.5	30.00
Acenaphthylene	50.00	44.1	-11.7	30.00
Anthracene	50.00	53.8	7.6	30.00
Benzo(a)anthracene	50.00	51.5	3.0	30.00
Benzo(a)pyrene	50.00	48.5	-3.0	30.00
Benzo(b)fluoranthene	50.00	52.8	5.7	30.00
Benzo(g,h,i)perylene	50.00	51.9	3.8	30.00
Benzo(k)fluoranthene	50.00	55.2	10.4	30.00
Chrysene	50.00	52.9	5.9	30.00
Dibenzo(a,h)Anthracene	50.00	53.2	6.4	30.00
Fluoranthene	50.00	49.8	-0.5	30.00
Fluorene	50.00	52.2	4.5	30.00
Indeno(1,2,3-cd)Pyrene	50.00	52.4	4.8	30.00
Naphthalene	50.00	51.2	2.4	30.00
Nitrobenzene-d5	50.00	49.9	-0.1	30.00
Phenanthrene	50.00	53.6	7.2	30.00
p-Terphenyl-d14	50.00	50.8	1.6	30.00
Pyrene	50.00	52.9	5.7	30.00

* Values outside of QC limits

SVOA

ESS LABORATORY MS5 RUN LOG

DATE 10/23/12
 ANALYST IBM
 METHOD SV5AV
 Internal Std: 2I07104
 Tune Method: DFTPP
 METHOD (2) _____
 Internal Std: _____
 Tune Method: _____

Work orders reported: _____

 MATRIX SEQ ID CAL ID
 SOIL CVJ0258 1210020
 AQ CVJ0260 1210021

 MATRIX SEQ ID CAL ID
 SOIL _____
 AQ _____

VIAL #	SAMPLE ID	METHOD	FILE ID	M	STD ID/COMMENTS	BATCH ID	MATRIX	RW	RPT	IMP	BY
1	CVJ0258-TUN1	DFTPP	SV5003194	1	2I24070			IBM	X		
2	CVJ0258-CCV1	SV5A	SV5003195	1	2J18052			IBM	X		
3	CJ22235-BLK1	SV5A	SV5003196	1		CJ22235	A	IBM	X		
4	CJ22235-BS1	SV5A	SV5003197	1		CJ22235	A	IBM	X		
5	CJ22235-BSD1	SV5A	SV5003198	1		CJ22235	A	IBM	X		
6	CJ22326-BLK1	SV5A	SV5003199	1		CJ22326	S	IBM	X		
7	CJ22326-BS1	SV5A	SV5003200	1		CJ22326	S	IBM	X		
8	CJ22326-BSD1	SV5A	SV5003201	1		CJ22326	S	IBM	X		
9	1210478-01	SV5A	SV5003202	1		CJ22326	S	IBM	X	X	
10	1210478-02	SV5A	SV5003203	1		CJ22326	S	IBM	X	X	
11	1210478-03	SV5A	SV5003204	1		CJ22326	S	IBM	X	X	
12	CJ22326-MS1	SV5A	SV5003205	1		CJ22326	S	IBM	X	X	
13	CJ22326-MSD1	SV5A	SV5003206	1		CJ22326	S	IBM	X	X	
14	1210419-01	SV5A	SV5003207	1	5X	CJ22235	A	IBM	X	X	
15	1210430-01	SV5A	SV5003208	1		CJ22235	A	IBM	X	X	
16	1210460-03	SV5A	SV5003209	1		CJ22217	S	IBM	X	X	
17	1210460-03	SV5A	SV5003210	1	10X NOT NEEDED	CJ22217	S	O	O		

QUADS: 2,4-DNP, PCP
 SCV: HCCPD 77%, BENZIDINE 65%
 CCAL: BENZALDEHYDE 129%

Comments: _____

Review (includes a check and review of manual integrations)

Method Path : Q:\SVOA\MS5\METHODS\
 Method File : SV5AV.M
 Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 Last Update : Fri Oct 19 09:06:15 2012
 Response Via : Initial Calibration

Calibration Files
 50 =SV5003114.D 1 =SV5003111.D 5 =SV5003112.D 10 =SV5003113.D 20 =SV5003115.D 75 =SV5003116.D 100 =SV5003118.D
 125 =SV5003117.D 200 =SV5003119.D 250 =SV5003120.D

Compound	50	1	5	10	20	75	100	150	125	200	250	Avg	%RSD
-----ISTD-----													
1) I 1,4-Dichlorobenzene	0.269	0.279	0.329	0.284	0.271	0.268	0.263	0.266	0.259	0.257	0.274		7.64
2) N-Nitrosodimet...	0.857	0.915	0.913	0.862	0.834	0.824	0.807	0.817	0.791	0.776	0.844		5.53
3) Pyridine	1.193	1.208	1.179	1.207	1.172	1.191	1.152	1.164	1.139	1.119	1.172		2.37
4) S 2-Fluorophenol	0.305	0.305	0.311	0.303	0.315	0.321	0.341	0.337	0.321	0.287	0.315		5.15
5) Benzaldehyde	0.942	1.092	0.924	0.969	0.953	0.937	0.916	0.897	0.910	0.876	0.856		6.66
6) bis(2-Chloroet...	1.596	1.592	1.511	1.611	1.606	1.585	1.521	1.548	1.502	1.468	1.554		3.11
7) S Phenol-d5 (SURR)	1.303	1.425	1.301	1.339	1.322	1.297	1.243	1.267	1.228	1.210	1.291		4.63
8) 2-Chlorophenol	1.702	1.864	1.661	1.664	1.701	1.696	1.638	1.640	1.575	1.553	1.664		4.95#
9) C Phenol	2.254	1.823	1.881	2.004	2.071	2.231	2.193	2.198	2.117	2.066	2.091		6.74
10) Aniline	1.349	1.362	1.238	1.344	1.346	1.330	1.315	1.279	1.302	1.271	1.248		3.30
11) S 2-Chlorophenol	1.417	1.506	1.410	1.437	1.412	1.405	1.363	1.339	1.357	1.324	1.313		4.09
12) 1,3-Dichlorobe...	1.417	1.628	1.412	1.447	1.427	1.406	1.383	1.352	1.380	1.352	1.320		5.74#
13) C 1,4-Dichlorobe...	0.978	1.103	1.052	1.002	0.978	0.949	0.935	0.953	0.929	0.920	0.980		5.97
14) S 1,2 Dichlorobe...	1.354	1.500	1.342	1.380	1.352	1.343	1.314	1.290	1.317	1.266	1.243		5.07
15) 1,2-Dichlorobe...	1.123	1.167	1.073	1.105	1.100	1.125	1.106	1.090	1.106	1.077	1.065		2.60
16) Benzyl Alcohol	0.495	0.565	0.506	0.510	0.489	0.490	0.471	0.482	0.467	0.460	0.491		5.98
17) bis(2-chloroais...	2.319	2.469	2.208	2.327	2.339	2.297	2.264	2.208	2.248	2.188	2.133		4.05
18) 2-Methylphenol	1.805	1.789	1.764	1.808	1.805	1.794	1.748	1.714	1.738	1.695	1.635		3.16
19) Acetophenone	0.964	0.979	0.996	0.984	0.975	0.959	0.931	0.950	0.914	0.900	0.955		3.30
20) P n-Nitroso-di-n...	0.557	0.629	0.553	0.564	0.555	0.549	0.537	0.523	0.536	0.521	0.514		5.69
21) Hexachloroethane	2.708	2.835	2.495	2.685	2.695	2.717	2.644	2.595	2.657	2.556	2.485		3.93
22) 3+4-Methylphenol	-----ISTD-----												
-----ISTD-----													
23) Naphthalene-d8	0.348	0.345	0.330	0.333	0.345	0.348	0.350	0.348	0.352	0.350	0.349		2.04
24) S Nitrobenzene-d...	0.372	0.361	0.358	0.365	0.367	0.370	0.369	0.365	0.371	0.367	0.366		1.15
25) Nitrobenzene	0.665	0.710	0.640	0.645	0.658	0.664	0.662	0.652	0.660	0.647	0.658		2.98
26) Isophorone	0.180	0.153	0.148	0.162	0.171	0.181	0.187	0.185	0.189	0.188	0.192		8.63#
27) C 2-Nitrophenol	0.205	0.172	0.169	0.169	0.175	0.212	0.219	0.234	0.217	0.246	0.240		13.56
28) Benzoic Acid	0.333	0.343	0.311	0.329	0.334	0.332	0.335	0.333	0.335	0.331	0.331		2.27
29) 2,4-Dimethylph...	0.425	0.476	0.408	0.421	0.419	0.421	0.417	0.424	0.416	0.413	0.424		4.23
30) bis(2-Chloroet...	0.260	0.250	0.238	0.250	0.255	0.261	0.263	0.264	0.265	0.266	0.258		3.45#
31) C 2,4-Dichloroph...	0.283	0.298	0.277	0.281	0.282	0.284	0.283	0.286	0.285	0.285	0.284		1.87
32) 1,2,4-Trichlor...	1.138	1.265	1.135	1.143	1.146	1.116	1.107	1.079	1.102	1.062	0.986		6.07
33) Naphthalene	0.485	0.409	0.419	0.419	0.451	0.496	0.500	0.499	0.502	0.501	0.495		8.08
34) C Hexachloroaniline	0.137	0.139	0.136	0.133	0.138	0.136	0.138	0.140	0.140	0.141	0.138		2.05#
35) 4-Chloro-3-met...	0.120	0.106	0.102	0.107	0.115	0.121	0.124	0.125	0.125	0.127	0.118		7.92
36) Caprolactam	0.307	0.289	0.268	0.290	0.300	0.308	0.312	0.313	0.314	0.315	0.303		4.90#
37) C 4-Chloro-3-met...	1.222	1.254	1.172	1.215	1.231	1.218	1.222	1.212	1.223	1.201	1.193		1.75
38) 2-Methylnaphth...	1.161	1.254	1.130	1.152	1.228	1.160	1.157	1.145	1.158	1.143	1.136		3.33
39) 1-Methylnaphth...	0.265	0.271	0.250	0.264	0.263	0.266	0.269	0.272	0.273	0.277	0.279		2.91
40) 1,2,4,5-Tetrac...	-----ISTD-----												
41) Acenaphthene-d10	-----ISTD-----												

Method Path : Q:\SVOA\MS5\METHODS\
 Method File : SV5AV.M
 Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)

42) P	Hexachlorocycl...	0.156	0.074	0.110	0.178	0.193	0.213	0.208	0.226	0.228	0.176	30.51
43) C	2,4,6-Trichlor...	0.291	0.264	0.272	0.278	0.302	0.304	0.303	0.308	0.315	0.293	5.38#
44) S	2,4,5-Trichlor...	0.299	0.284	0.250	0.293	0.305	0.313	0.313	0.320	0.327	0.299	7.69
45) S	2-Fluorobiphen...	1.545	1.631	1.507	1.541	1.534	1.534	1.510	1.531	1.510	1.536	2.29
46)	Biphenyl	1.867	1.960	1.839	1.874	1.847	1.842	1.805	1.831	1.799	1.772	2.68
47)	2-Chloronaphth...	1.121	1.177	1.011	1.038	1.103	1.069	1.011	1.047	1.070	1.033	4.76
48)	Dimethylphthalate	1.117	1.180	1.096	1.112	1.112	1.119	1.111	1.117	1.104	1.096	2.04
49)	Acenaphthylene	1.992	2.015	1.903	1.960	1.977	1.973	1.927	1.975	1.902	1.886	2.16
50)	2,6-Dinitrotol...	0.273	0.236	0.242	0.255	0.264	0.273	0.279	0.280	0.279	0.284	6.11
51)	2-Nitroaniline	0.432	0.411	0.396	0.400	0.420	0.437	0.441	0.435	0.438	0.439	3.96
52)	Acenaphthene	1.539	1.715	1.524	1.550	1.532	1.535	1.519	1.532	1.513	1.516	3.67#
53) P	2,4-Dinitrophenol	0.058		0.024	0.082	0.101	0.124	0.114	0.138	0.151	0.099	42.92
54)	Dibenzofuran	1.436	1.576	1.398	1.439	1.429	1.421	1.392	1.421	1.383	1.376	3.78
55) P	4-Nitrophenol	0.240	0.184	0.166	0.165	0.193	0.241	0.239	0.251	0.257	0.266	17.19
56)	3-Nitroaniline	0.335	0.289	0.307	0.321	0.338	0.343	0.341	0.345	0.348	0.350	6.03
57)	2,4-Dinitrotol...	0.351	0.274	0.302	0.327	0.354	0.360	0.361	0.362	0.361	0.369	9.13
58)	Fluorene	2.302	2.335	2.164	2.239	2.273	2.291	2.306	2.277	2.284	2.278	1.97
59)	2,3,4,6-Tetrac...	0.239	0.202	0.178	0.204	0.217	0.239	0.246	0.253	0.254	0.261	12.20
60)	Diethylphthalate	1.127	1.118	1.059	1.087	1.112	1.131	1.140	1.127	1.148	1.135	2.33
61)	4-Chloro-pheny...	0.544	0.552	0.542	0.539	0.543	0.545	0.542	0.546	0.547	0.548	0.72
-----ISTD-----												
62)	Phenanthrene-d10	0.196	0.156	0.164	0.176	0.192	0.204	0.207	0.207	0.209	0.207	9.98
63)	4-Nitroaniline	0.094		0.042	0.062	0.107	0.115	0.125	0.120	0.130	0.134	30.87
64)	4,6-Dinitro-2-...	1.031	0.985	0.938	0.999	1.000	1.030	1.022	1.028	1.026	1.023	2.89#
65) C	n-Nitrosodiphe...	0.828	0.784	0.749	0.803	0.824	0.823	0.799	0.811	0.795	0.779	3.04
66)	Azobenzene	0.078	0.061	0.067	0.071	0.080	0.081	0.083	0.082	0.086	0.087	10.85
67) S	2,4,6-Tribromo...	0.172	0.176	0.169	0.172	0.171	0.174	0.179	0.176	0.180	0.181	2.22
68)	4-Bromophenyl-...	0.186	0.195	0.183	0.184	0.185	0.188	0.188	0.190	0.193	0.194	2.17
69)	Hexachlorobenzene	0.183	0.165	0.159	0.167	0.172	0.184	0.186	0.186	0.186	0.182	5.64
70)	Atrazine	0.065	0.052	0.054	0.061	0.066	0.068	0.068	0.067	0.070	0.070	9.91
71)	Pentachloronit...	0.094	0.057	0.072	0.107	0.113	0.121	0.120	0.120	0.131	0.136	25.30#
72) C	Pentachlorophenol	1.123	1.205	1.091	1.127	1.120	1.122	1.128	1.105	1.120	1.122	2.71
73)	Phenanthrene	1.126	1.083	1.034	1.098	1.109	1.127	1.137	1.123	1.129	1.127	2.65
74)	Anthracene	1.225	1.152	1.113	1.162	1.196	1.224	1.221	1.206	1.216	1.193	2.99
75)	Carbazole	1.222	1.045	1.053	1.108	1.175	1.232	1.241	1.211	1.217	1.206	6.18
76)	Di-n-butylphth...	1.218	1.140	1.096	1.130	1.166	1.212	1.227	1.217	1.224	1.221	3.86#
77) C	Fluoranthene	0.549	0.322	0.342	0.395	0.589	0.623	0.644	0.644	0.652	0.632	24.69
78)	Benzidine											
-----ISTD-----												
79)	Chrysene-d12	1.351	1.323	1.260	1.303	1.342	1.332	1.292	1.332	1.297	1.272	2.22
80)	Pyrene	0.899	0.890	0.834	0.865	0.891	0.908	0.910	0.896	0.914	0.903	2.60
81) S	Terphenyl-d14 ...	0.575	0.553	0.502	0.536	0.562	0.579	0.568	0.587	0.575	0.566	4.32
82)	Butylbenzylph...	0.408	0.383	0.346	0.383	0.396	0.405	0.415	0.422	0.416	0.415	5.58
83)	3,3'-Dichlorob...	1.153	1.416	1.079	1.109	1.137	1.165	1.164	1.157	1.178	1.161	7.39
84)	Benzo(a)anthra...	1.109	1.195	1.058	1.078	1.088	1.073	1.092	1.057	1.106	1.077	3.60
85)	Chrysene	0.783	0.745	0.691	0.728	0.757	0.787	0.790	0.797	0.786	0.773	4.25
86)	bis(2-Ethylhex...											
-----ISTD-----												
87)	Perylene-d12	1.470	1.264	1.222	1.322	1.394	1.512	1.519	1.522	1.496	1.483	7.78#
88) C	Di-n-octylphth...	1.308	1.150	1.145	1.246	1.234	1.379	1.359	1.386	1.331	1.434	7.89
89)	Benzo(b)fluora...	1.209	1.005	1.052	1.121	1.199	1.167	1.196	1.185	1.129	1.126	5.67
90)	Benzo(k)fluora...	1.164	1.285	1.126	1.117	1.125	1.179	1.186	1.216	1.215	1.213	4.30#
91) C	Benzo(a)pyrene											

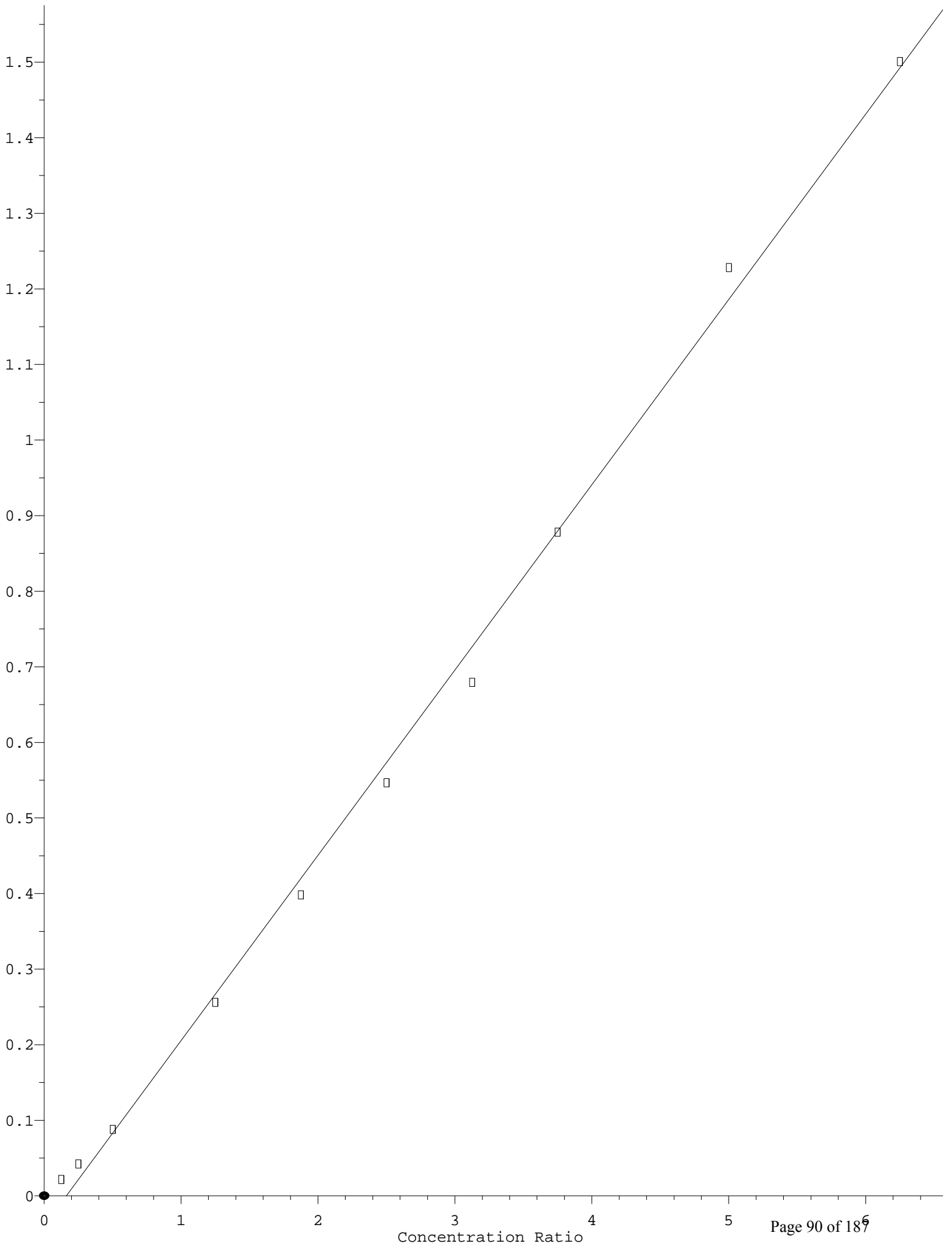
Method Path : Q:\SVOA\MS5\METHODS\
Method File : SV5AV.M
Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)

92)	Indeno(1,2,3-c...	1.489	1.501	1.355	1.413	1.454	1.516	1.535	1.581	1.566	1.635	1.662	1.519	6.03
93)	Dibenzo(a,h)an...	1.477	1.412	1.301	1.397	1.431	1.490	1.520	1.547	1.541	1.599	1.627	1.486	6.42
94)	Benzo(g,h,i)pe...	1.254	1.255	1.197	1.226	1.242	1.271	1.292	1.327	1.318	1.378	1.410	1.288	5.04

(#) = Out of Range

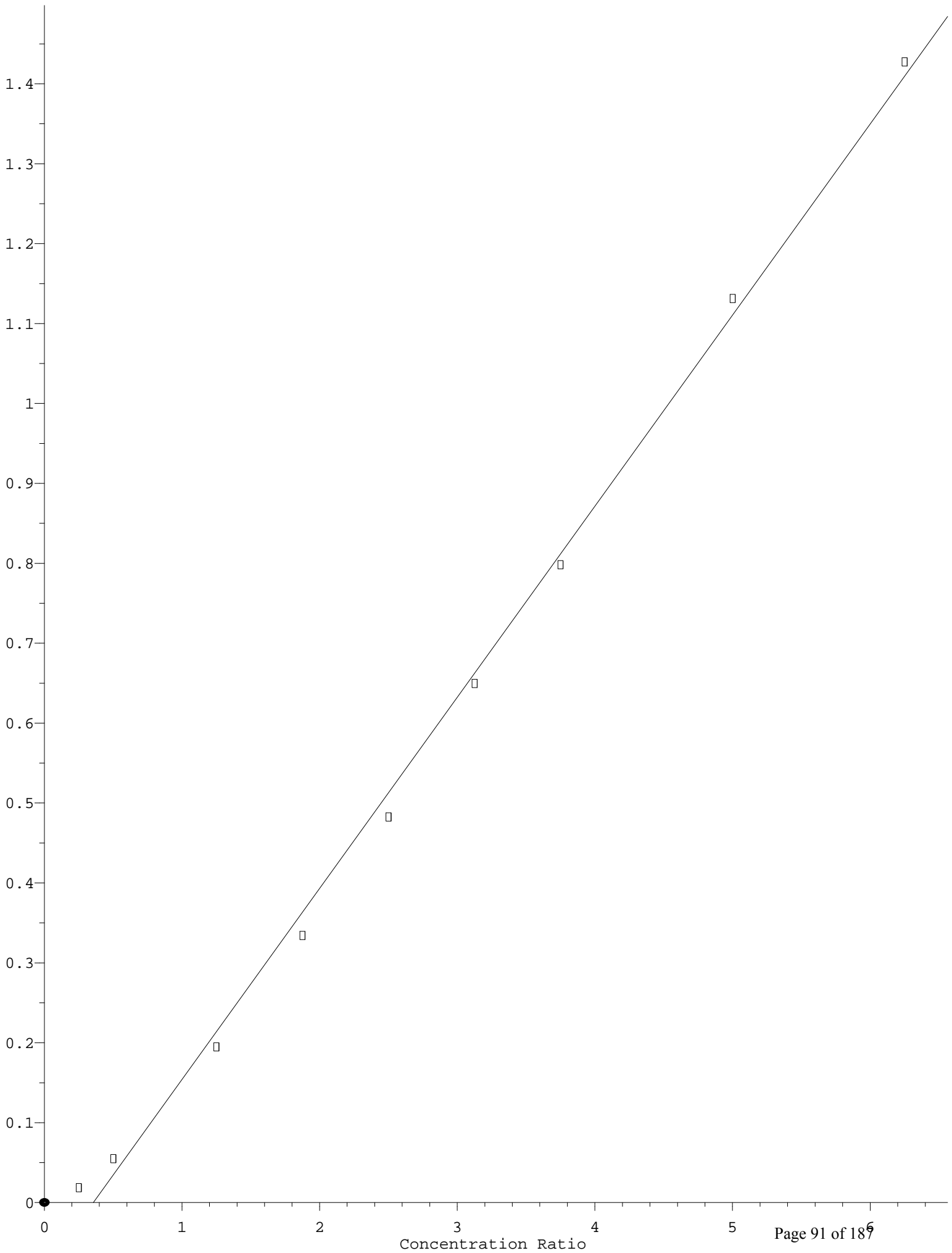
Benzoic Acid

Response Ratio



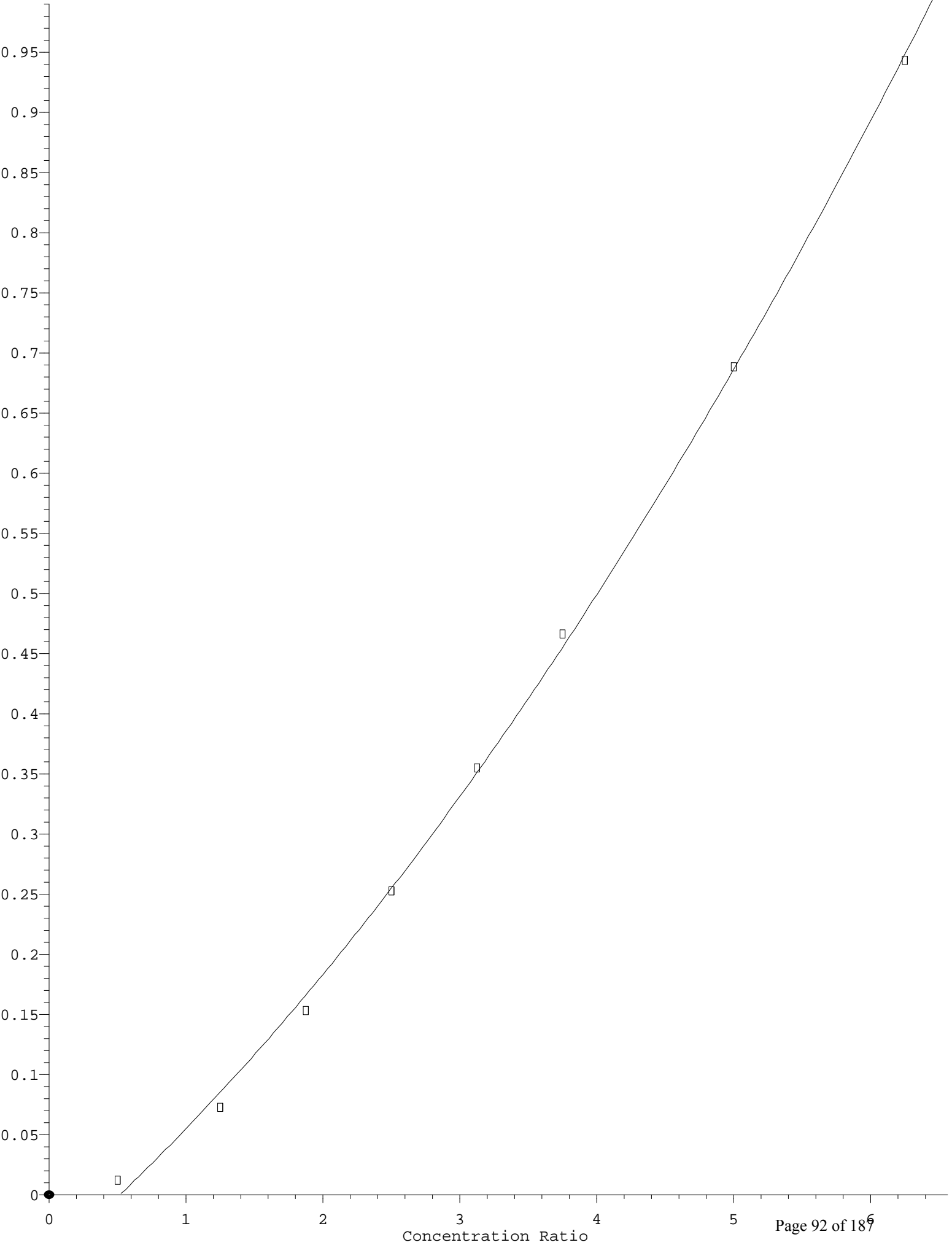
Hexachlorocyclopentadiene

Response Ratio

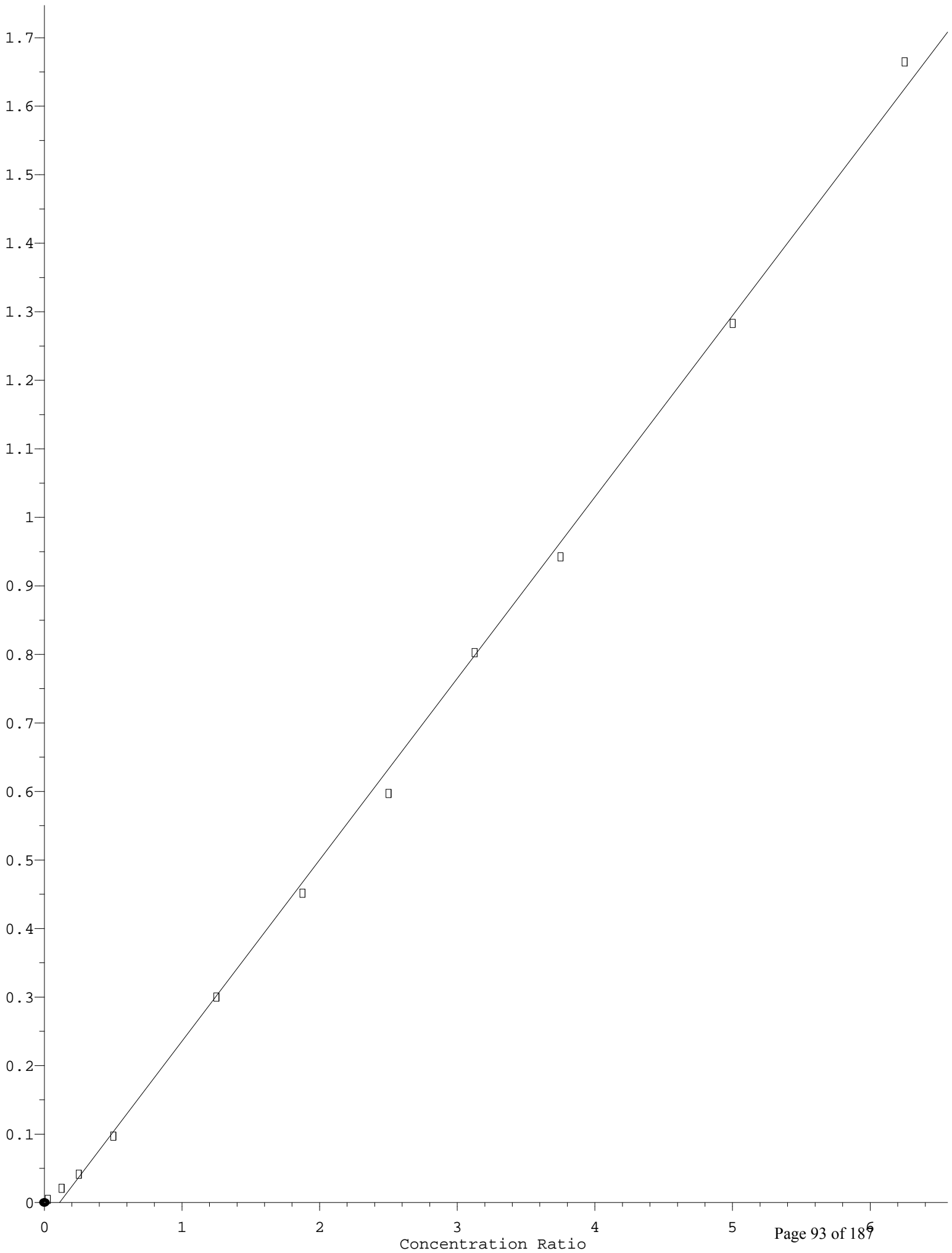


2,4-Dinitrophenol

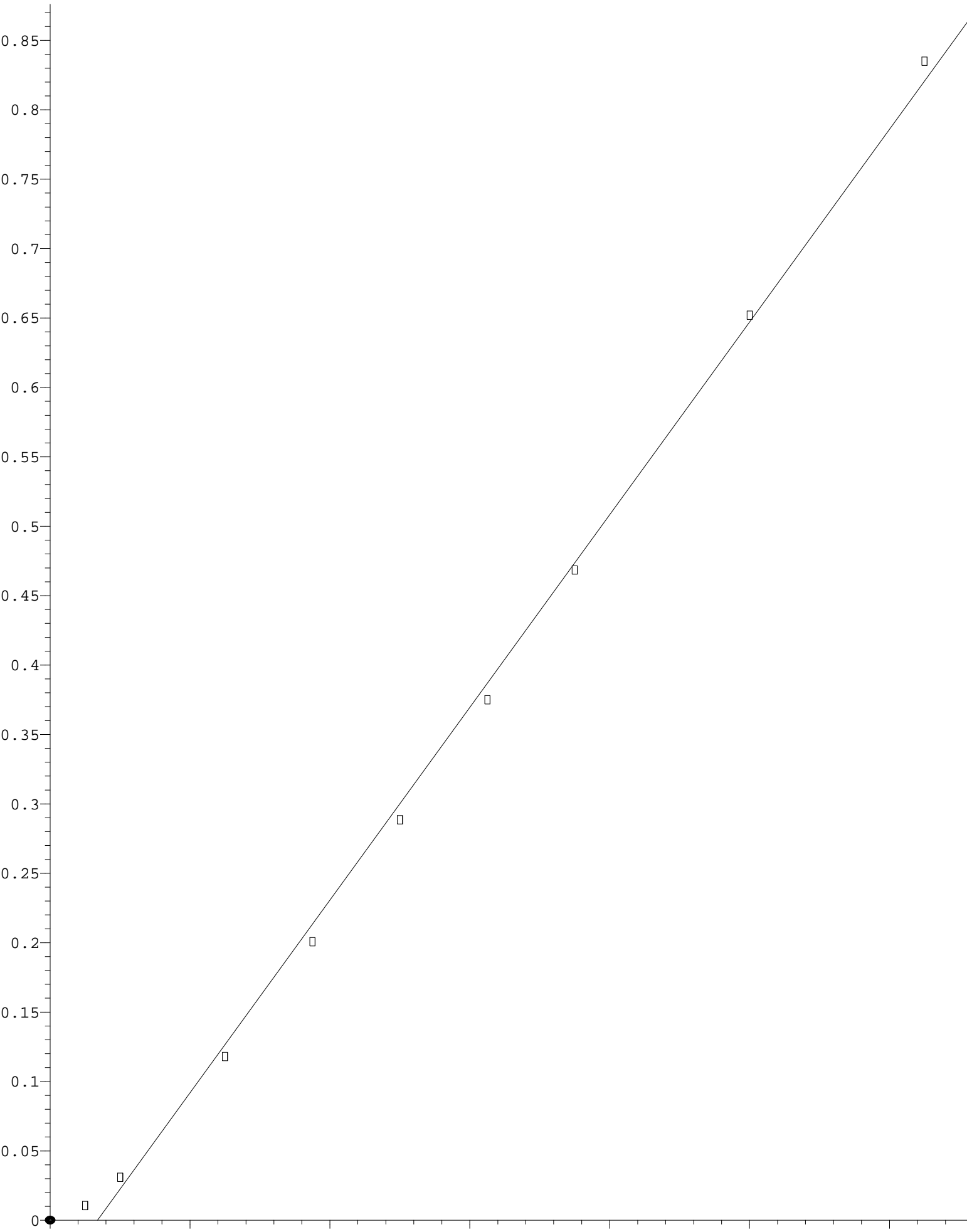
Response Ratio



Response Ratio

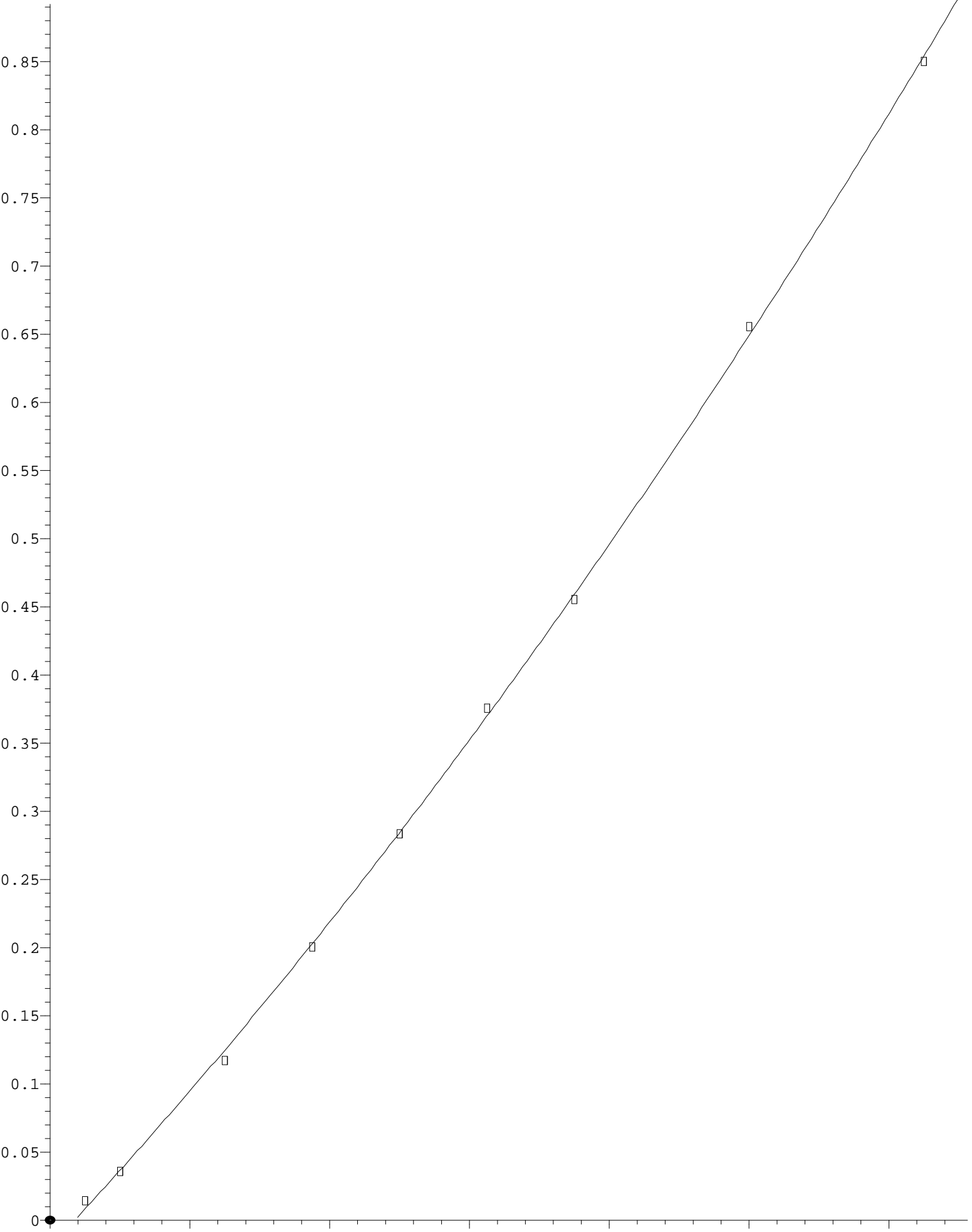


Response Ratio



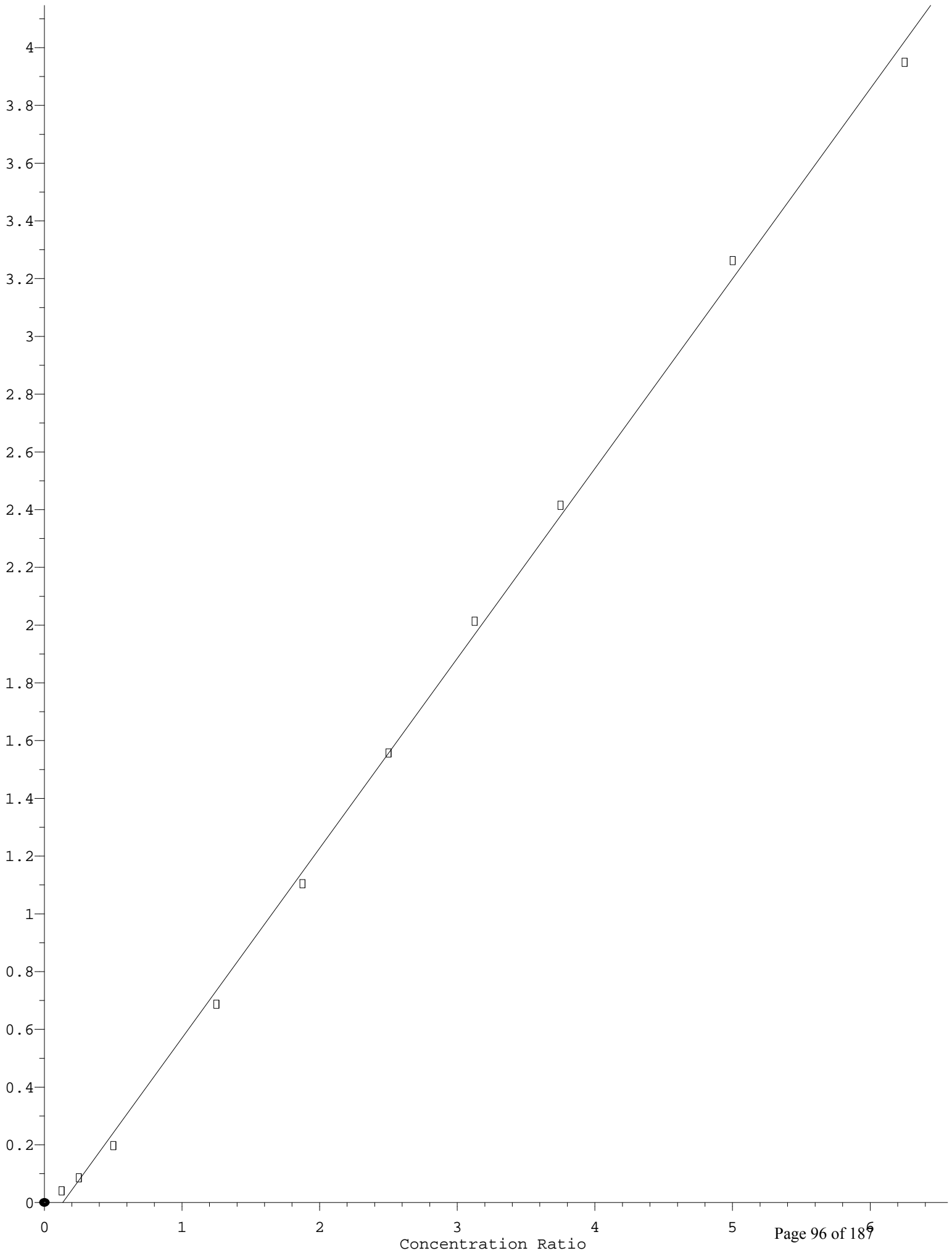
Pentachlorophenol

Response Ratio



Benzidine

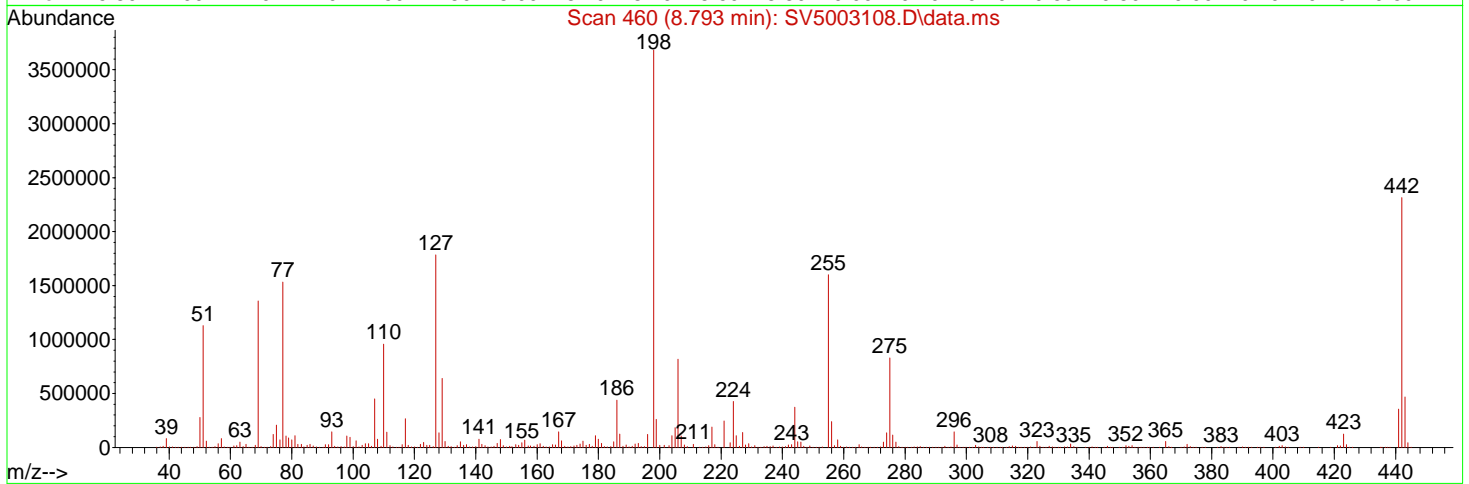
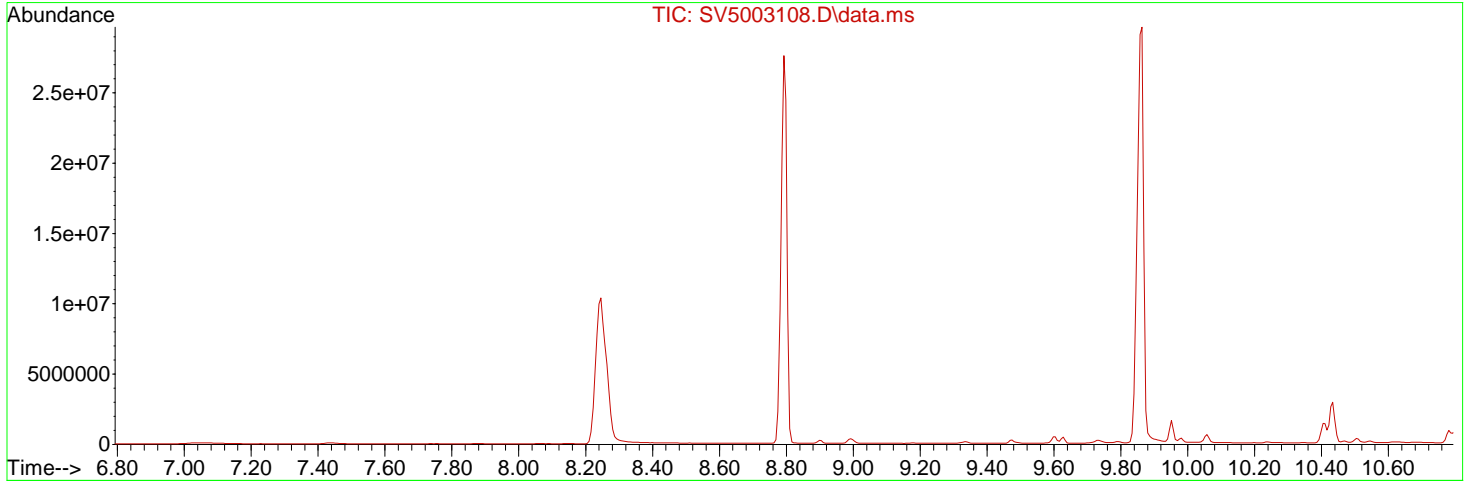
Response Ratio



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003108.D
 Acq On : 18 Oct 2012 11:45 am
 Operator : IBM
 Sample : CVJ0192-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Integration File: RTEINT.P

Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 Last Update : Fri Oct 19 09:06:15 2012

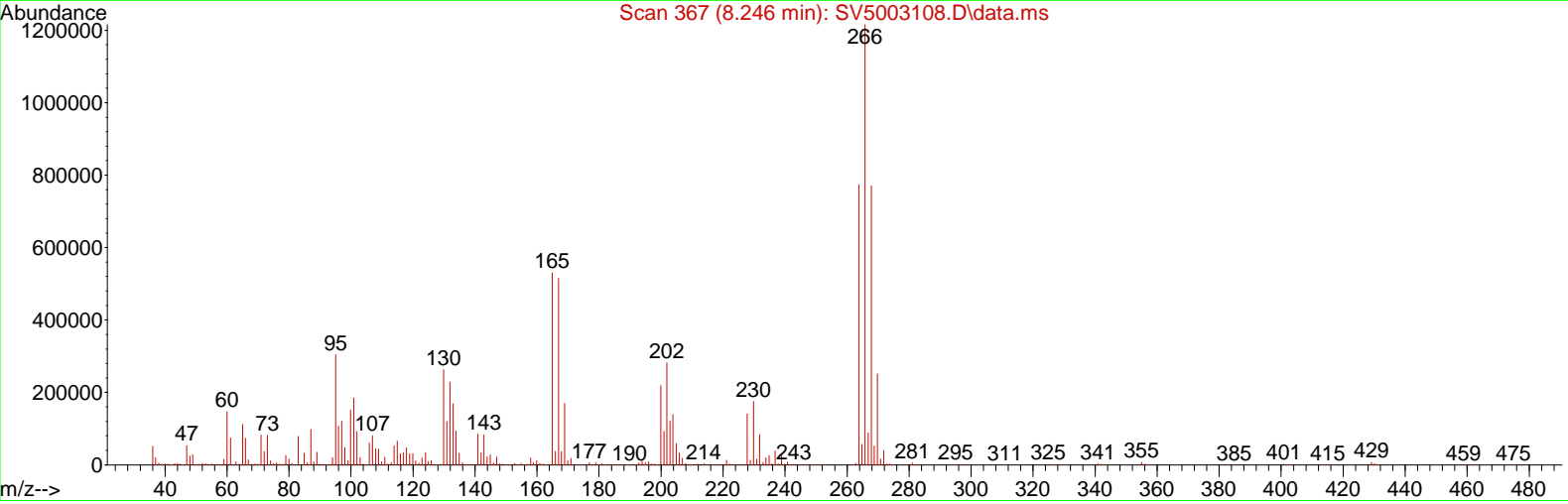
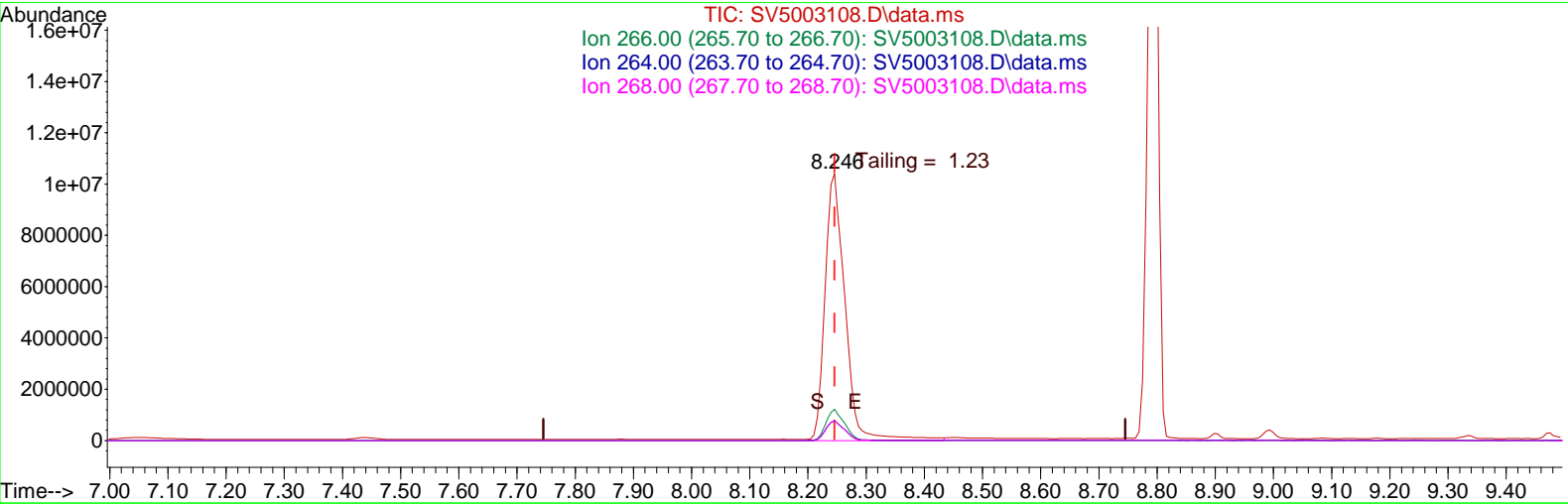


Spectrum Information: Scan 460

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.7	1129472	PASS
68	69	0.00	2	1.4	19216	PASS
69	198	0.00	100	36.9	1358336	PASS
70	69	0.00	2	0.5	7121	PASS
127	198	40	60	48.5	1784832	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	3683328	PASS
199	198	5	9	7.0	258176	PASS
275	198	10	30	22.5	828608	PASS
365	198	1	100	1.5	53712	PASS
441	443	0.01	100	75.8	354880	PASS
442	198	40	100	62.8	2313728	PASS
443	442	17	23	20.2	467968	PASS

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003108.D
 Acq On : 18 Oct 2012 11:45 am
 Operator : IBM
 Sample : CVJ0192-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:16:49 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:20:21 2012
 Response via : Initial Calibration

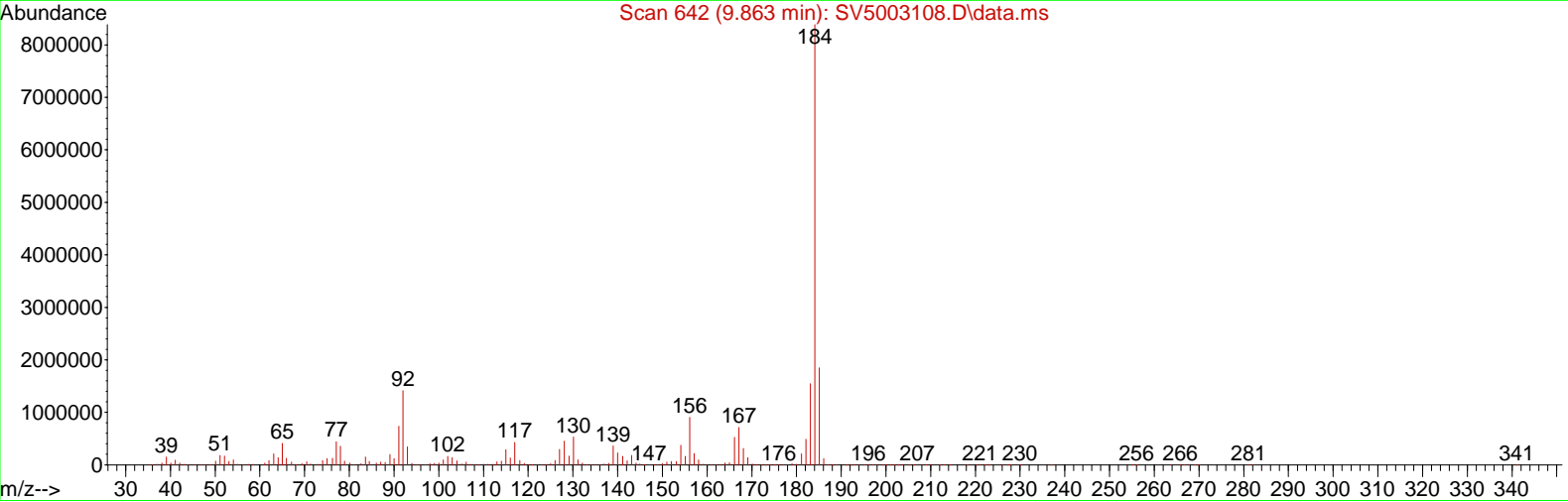
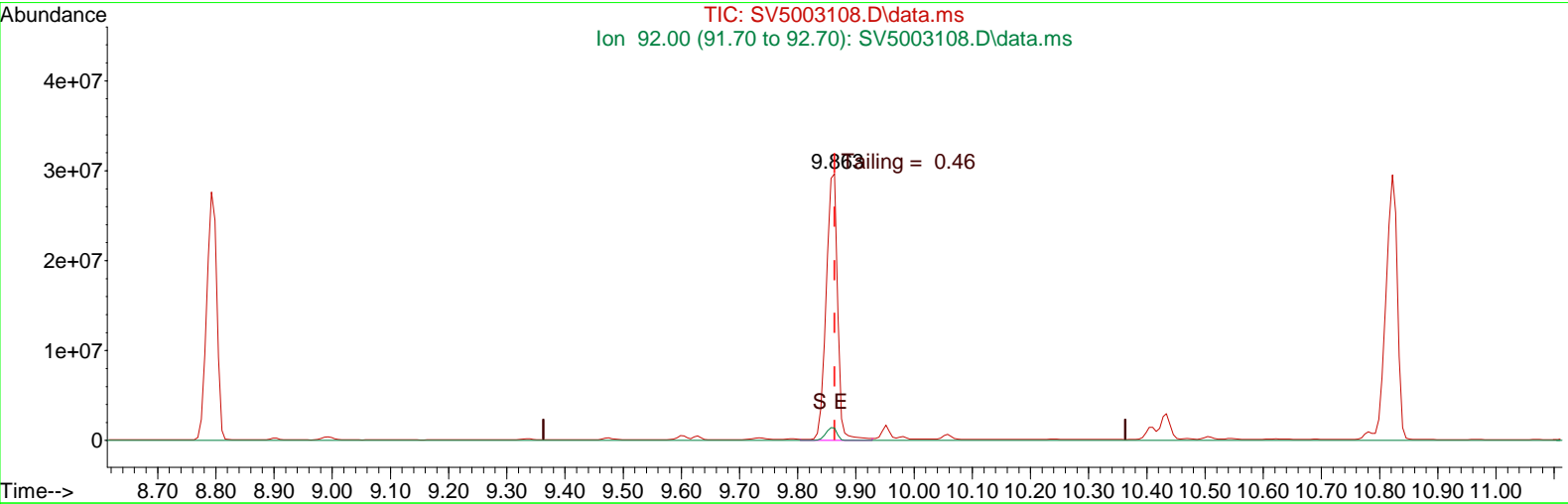


TIC: SV5003108.D\data.ms

(2) Pentachlorophenol (I)		
8.246min (0.000) 50.00 PPM		
response 24232892		
Signal	Exp%	Act%
TIC	100	100
266.00	0.00	11.27#
264.00	0.00	7.20#
268.00	0.00	7.17#

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003108.D
 Acq On : 18 Oct 2012 11:45 am
 Operator : IBM
 Sample : CVJ0192-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:17:28 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:21:02 2012
 Response via : Initial Calibration



TIC: SV5003108.D\data.ms

(3) Benzidine (I)

9.863min (0.000) 49.79 PPM

response 39852654

Signal	Exp%	Act%
TIC	100	100
92.00	0.00	4.93#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003108.D
 Acq On : 18 Oct 2012 11:45 am
 Operator : IBM
 Sample : CVJ0192-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:17:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:21:02 2012
 Response via : Initial Calibration

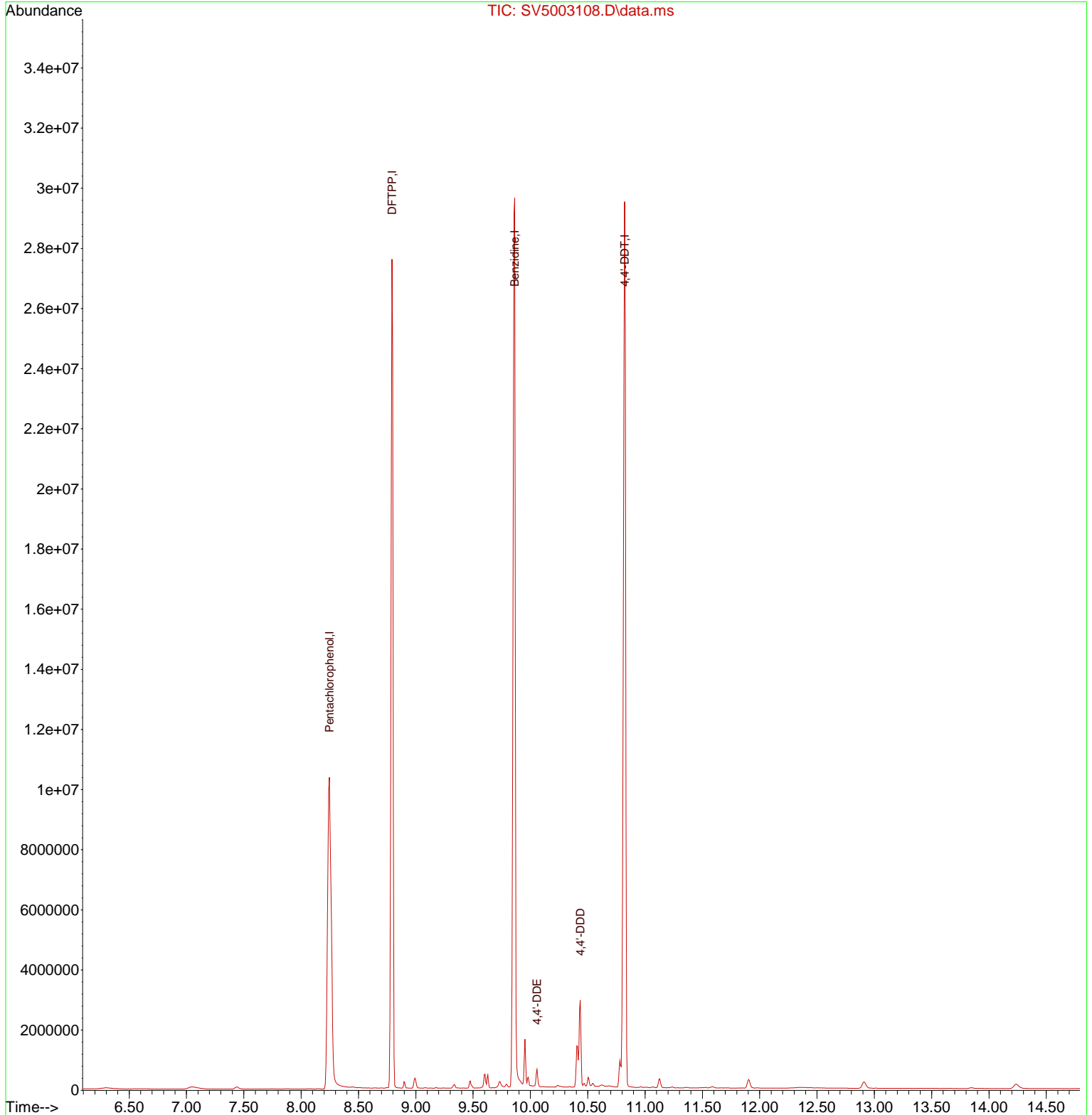
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Target Compounds							Qvalue
1) DFTPP	8.793	TIC	33484582	50.00	PPM	#	100
2) Pentachlorophenol	8.246	TIC	24232892	50.00	PPM	#	100
3) Benzidine	9.863	TIC	39852654	49.79	PPM	#	100
4) 4,4'-DDT	10.822	TIC	41210348	50.87	PPM	#	100
5) 4,4'-DDE	10.057	TIC	589494m	8.53	PPM		
6) 4,4'-DDD	10.434	TIC	3241085m	10.21	PPM		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003108.D
 Acq On : 18 Oct 2012 11:45 am
 Operator : IBM
 Sample : CVJ0192-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:17:54 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:21:02 2012
 Response via : Initial Calibration



Data File Name SV5003108.D
Date Acquired 10/18/2012 11:45
Sample Name CVJ0192-TUN1
Instrument Name GCMS5

DDT BREAKDOWN CHECK

TARGET	RESPONSE
4,4'-DDT	41210348
4,4'-DDE	589494
4,4'-DDD	3241085

TOTAL RESPONSE	45040927
BREAKDOWN RESPONSE	3830579

BREAKDOWN % 8.50

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003110.D
 Acq On : 18 Oct 2012 12:32 pm
 Operator : IBM
 Sample : CVJ0192-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:27:59 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:28:31 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.169	152	574870	40.00	ng/uL	0.00
23) Naphthalene-d8	8.439	136	2323133	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.398	164	1348058	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.280	188	2179870	40.00	ng/uL	-0.02
79) Chrysene-d12	19.803	240	2011784	40.00	ng/uL	-0.04
87) Perylene-d12	22.591	264	1954449	40.00	ng/uL	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.904	112	17360	1.01	ng/uL	0.01
Spiked Amount	150.000		Recovery	=	0.67%	
7) Phenol-d5 (SURR)	5.292	99	22880	1.00	ng/uL	0.02
Spiked Amount	150.000		Recovery	=	0.67%	
11) 2-Chlorophenol-d4(SURR)	5.504	132	19579	1.01	ng/uL	0.01
Spiked Amount	150.000		Recovery	=	0.67%	
14) 1,2 Dichlorobenzene-d4...	6.545	152	25565	1.82	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	1.82%	
24) Nitrobenzene-d5 (SURR)	7.328	82	20010	0.99	ng/uL	0.01
Spiked Amount	100.000		Recovery	=	0.99%	
45) 2-Fluorobiphenyl (SURR)	10.245	172	54954	1.06	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	1.06%	
67) 2,4,6-Tribromophenol (...)	0.000	330	0	0.00	ng/uL	
Spiked Amount	150.000		Recovery	=	0.00%	
81) Terphenyl-d14 (SURR)	17.656	244	44753	0.99	ng/uL	-0.04
Spiked Amount	100.000		Recovery	=	0.99%	
Target Compounds						
						Qvalue
3) Pyridine	1.016	79	12676m	1.03	ng/uL	
6) bis(2-Chloroethyl)ether	5.475	63	15700	1.16	ng/uL	93
8) 2-Chlorophenol	5.551	128	20483	1.09	ng/uL	83
9) Phenol	5.322	94	26788	1.10	ng/uL	78
10) Aniline	5.210	93	26202	0.81	ng/ul#	72
12) 1,3-Dichlorobenzene	5.986	146	21649	1.06	ng/uL	76
13) 1,4-Dichlorobenzene	6.216	146	23398	1.15	ng/uL	82
15) 1,2-Dichlorobenzene	6.575	146	21564	1.11	ng/uL	93
16) Benzyl Alcohol	6.604	79	16775	1.04	ng/uL	84
17) bis(2-chloroisopropyl)...	6.904	121	8127	1.14	ng/uL#	67
18) 2-Methylphenol	6.916	108	35490	1.06	ng/uL	100
19) Acetophenone	7.086	105	25716	0.99	ng/ul	95
20) n-Nitroso-di-n-propyla...	7.139	70	18569	1.34	ng/uL	94
21) Hexachloroethane	7.210	117	9040	1.13	ng/uL	93
22) 3+4-Methylphenol	7.210	108	40750	1.05	ng/uL	97
25) Nitrobenzene	7.351	77	20968	0.97	ng/uL	86
26) Isophorone	7.757	82	41264	1.07	ng/uL	99
27) 2-Nitrophenol	7.863	139	8878	0.85	ng/uL	85
29) 2,4-Dimethylphenol	8.033	107	19894	1.03	ng/uL	86
30) bis(2-Chloroethoxy)met...	8.157	93	27624	1.12	ng/uL	94
31) 2,4-Dichlorophenol	8.275	162	14534	0.96	ng/uL	90
32) 1,2,4-Trichlorobenzene	8.375	180	17333	1.05	ng/uL	95
33) Naphthalene	8.475	128	73441	1.11	ng/uL	92
34) 4-Chloroaniline	8.616	127	23771	0.84	ng/uL	100
35) Hexachlorobutadiene	8.727	225	8058	1.01	ng/uL	92
36) Caprolactam	9.104	113	6141	0.88	ug/mL#	14
37) 4-Chloro-3-methylphenol	9.457	107	16782	0.94	ng/uL	96
38) 2-Methylnaphthalene	9.604	142	72850	1.03	ng/uL	100
39) 1-Methylnaphthalene	9.757	142	72808m	1.08	ng/uL	
40) 1,2,4,5-Tetrachloroben...	9.892	216	15756	1.03	ng/uL	94

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003110.D
 Acq On : 18 Oct 2012 12:32 pm
 Operator : IBM
 Sample : CVJ0192-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

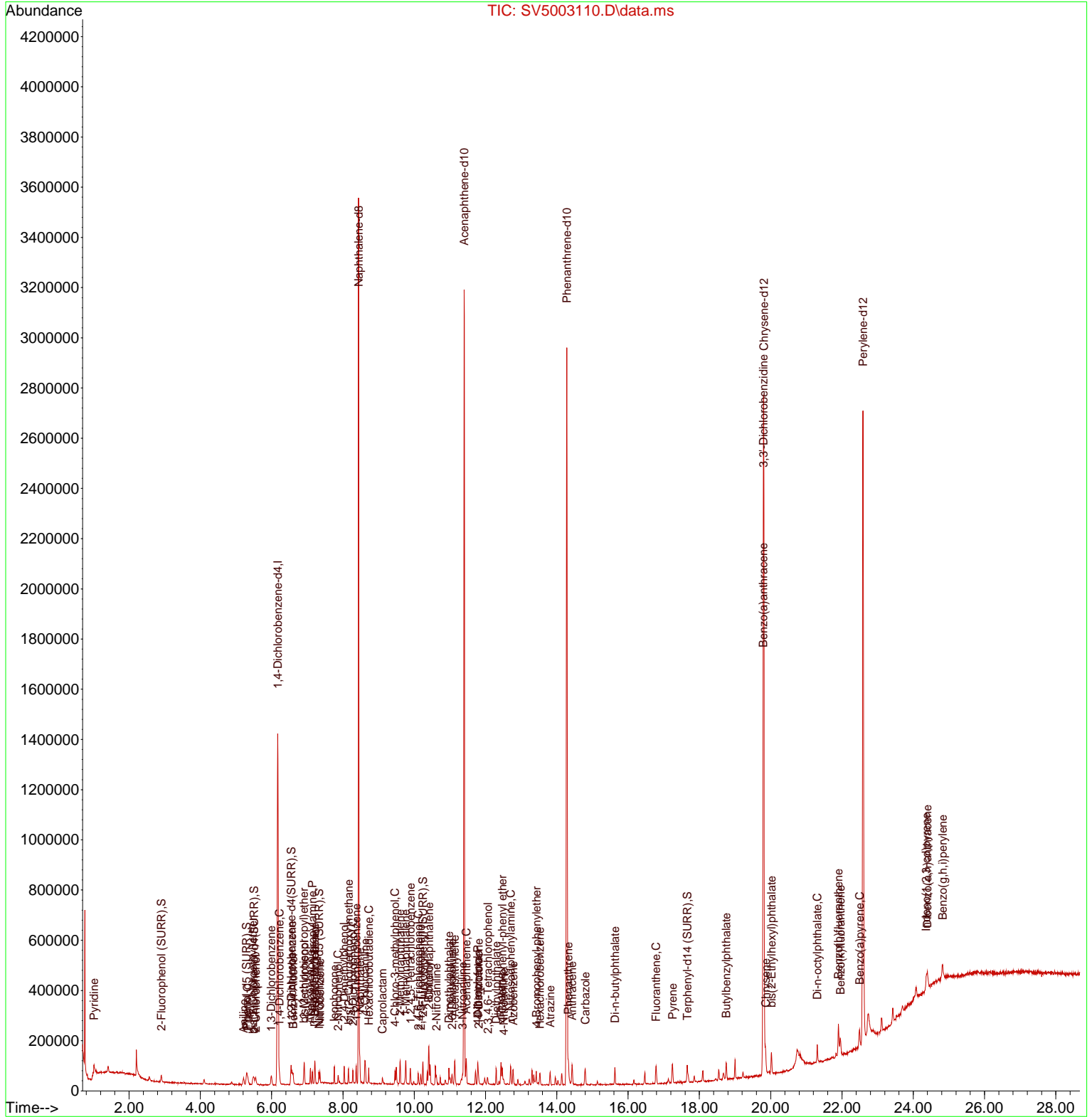
Quant Time: Oct 19 08:27:59 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:28:31 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	10.116	196	9802	1.00	ng/uL	90
44) 2,4,5-Trichlorophenol	10.180	196	9556	0.95	ng/uL	83
46) Biphenyl	10.404	154	66071	1.05	ng/uL#	25
47) 2-Chloronaphthalene	10.416	162	39658	1.05	ng/uL	98
48) Dimethylphthalate	10.974	163	39776	1.06	ng/uL	99
49) Acenaphthylene	11.133	152	67909	1.01	ng/uL	99
50) 2,6-Dinitrotoluene	11.063	165	7941	0.86	ng/uL	96
51) 2-Nitroaniline	10.621	65	13858	0.95	ng/uL	94
52) Acenaphthene	11.457	153	57802	1.11	ng/uL#	59
54) Dibenzofuran	11.786	168	53109	1.10	ng/uL	99
55) 4-Nitrophenol	11.774	65	6204m	0.77	ng/uL	
56) 3-Nitroaniline	11.357	138	7950	0.70	ng/uL#	83
57) 2,4-Dinitrotoluene	11.804	165	8073	0.68	ng/uL	78
58) Fluorene	12.433	166	78693	1.01	ng/uL#	68
59) 2,3,4,6-Tetrachlorophenol	12.063	232	6807	0.84	ng/uL	91
60) Diethylphthalate	12.298	149	37685	0.99	ng/uL	98
61) 4-Chloro-phenyl-phenyl...	12.468	204	18596	1.01	ng/uL	87
63) 4-Nitroaniline	12.510	138	8484	0.79	ng/uL	89
65) n-Nitrosodiphenylamine	12.704	169	53671	0.95	ng/uL#	76
66) Azobenzene	12.774	77	42701	0.95	ng/uL	95
68) 4-Bromophenyl-phenylether	13.427	248	9576	1.02	ng/uL	82
69) Hexachlorobenzene	13.521	284	10615	1.05	ng/uL	81
70) Atrazine	13.815	200	8967	0.90	ug/mL	86
73) Phenanthrene	14.321	178	65656	1.07	ng/uL	86
74) Anthracene	14.427	178	59046	0.96	ng/uL	98
75) Carbazole	14.798	167	62790	0.94	ng/uL	98
76) Di-n-butylphthalate	15.627	149	56965	0.86	ng/uL	99
77) Fluoranthene	16.786	202	62138	0.94	ng/uL	89
80) Pyrene	17.245	202	66530	0.98	ng/uL	92
82) Butylbenzylphthalate	18.750	149	27837	0.96	ng/uL	92
83) 3,3'-Dichlorobenzidine	19.791	252	19244	0.94	ng/uL#	70
84) Benzo(a)anthracene	19.786	228	71212	1.23	ng/uL	95
85) Chrysene	19.862	228	60086	1.08	ng/uL	96
86) bis(2-Ethylhexyl)phtha...	20.021	149	37468	0.95	ng/uL	96
88) Di-n-octylphthalate	21.309	149	61784	0.86	ng/uL	99
89) Benzo(b)fluoranthene	21.903	252	56174	0.88	ng/uL	98
90) Benzo(k)fluoranthene	21.956	252	49097	0.83	ng/uL	83
91) Benzo(a)pyrene	22.491	252	62787	1.10	ng/uL	91
92) Indeno(1,2,3-cd)pyrene	24.362	276	73331	1.01	ng/uL	76
93) Dibenzo(a,h)anthracene	24.391	278	68989	0.96	ng/uL	90
94) Benzo(g,h,i)perylene	24.826	276	61323	1.00	ng/uL	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
Data File : SV5003110.D
Acq On : 18 Oct 2012 12:32 pm
Operator : IBM
Sample : CVJ0192-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 19 08:27:59 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
QLast Update : Fri Oct 19 08:28:31 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:30:14 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:32:05 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	592928	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.433	136	2386735	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1385125	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.304	188	2259318	40.00	ng/uL	0.00	
79) Chrysene-d12	19.844	240	2082798	40.00	ng/uL	0.00	
87) Perylene-d12	22.644	264	1978899	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.892	112	87403	4.91	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.27%		
7) Phenol-d5 (SURR)	5.281	99	111976	4.74	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.16%		
11) 2-Chlorophenol-d4 (SURR)	5.498	132	91720	4.56	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.04%		
14) 1,2 Dichlorobenzene-d4...	6.539	152	81742	4.00	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.00%		
24) Nitrobenzene-d5 (SURR)	7.316	82	98500	4.77	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.77%		
45) 2-Fluorobiphenyl (SURR)	10.245	172	260928	4.75	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.75%		
67) 2,4,6-Tribromophenol (...)	12.927	330	17306	3.95	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	2.63%		
81) Terphenyl-d14 (SURR)	17.692	244	217111	4.66	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.66%		
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.963	42	20651	5.18	ng/uL		80
3) Pyridine	1.004	79	67785	5.26	ng/uL		90
5) Benzaldehyde	4.869	105	22611	5.01	ug/mL		97
6) bis(2-Chloroethyl)ether	5.469	63	68501	4.54	ng/uL		94
8) 2-Chlorophenol	5.545	128	96429	4.77	ng/uL		89
9) Phenol	5.316	94	123110	4.66	ng/uL		81
10) Aniline	5.204	93	139427	4.61	ng/uL		92
12) 1,3-Dichlorobenzene	5.986	146	104532	4.82	ng/uL		99
13) 1,4-Dichlorobenzene	6.210	146	104669	4.64	ng/uL		95
15) 1,2-Dichlorobenzene	6.569	146	99464	4.70	ng/uL		92
16) Benzyl Alcohol	6.592	79	79495	4.68	ng/uL		89
17) bis(2-chloroisopropyl)...	6.898	121	37539	4.78	ng/uL		92
18) 2-Methylphenol	6.904	108	163640	4.61	ng/uL		96
19) Acetophenone	7.080	105	130745	4.91	ng/uL		98
20) n-Nitroso-di-n-propyla...	7.133	70	72529	4.34	ng/uL		85
21) Hexachloroethane	7.204	117	41015	4.67	ng/uL		92
22) 3+4-Methylphenol	7.204	108	184926	4.50	ng/uL		100
25) Nitrobenzene	7.345	77	106803	4.88	ng/uL		95
26) Isophorone	7.745	82	190802	4.65	ng/uL		97
27) 2-Nitrophenol	7.863	139	44286	4.46	ng/uL		98
28) Benzoic Acid	8.186	105	51442m	2.11	ng/uL		
29) 2,4-Dimethylphenol	8.027	107	92885	4.61	ng/uL#		61
30) bis(2-Chloroethoxy)met...	8.151	93	121718	4.53	ng/uL		95
31) 2,4-Dichlorophenol	8.269	162	70963	4.66	ng/uL		99
32) 1,2,4-Trichlorobenzene	8.369	180	82670	4.76	ng/uL		95
33) Naphthalene	8.469	128	338476	4.72	ng/uL		100
34) 4-Chloroaniline	8.610	127	124936	4.68	ng/uL		99
35) Hexachlorobutadiene	8.722	225	40459	4.92	ng/uL		97
36) Caprolactam	9.098	113	30521	4.53	ug/mL#		70
37) 4-Chloro-3-methylphenol	9.457	107	80042	4.50	ng/uL		98

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

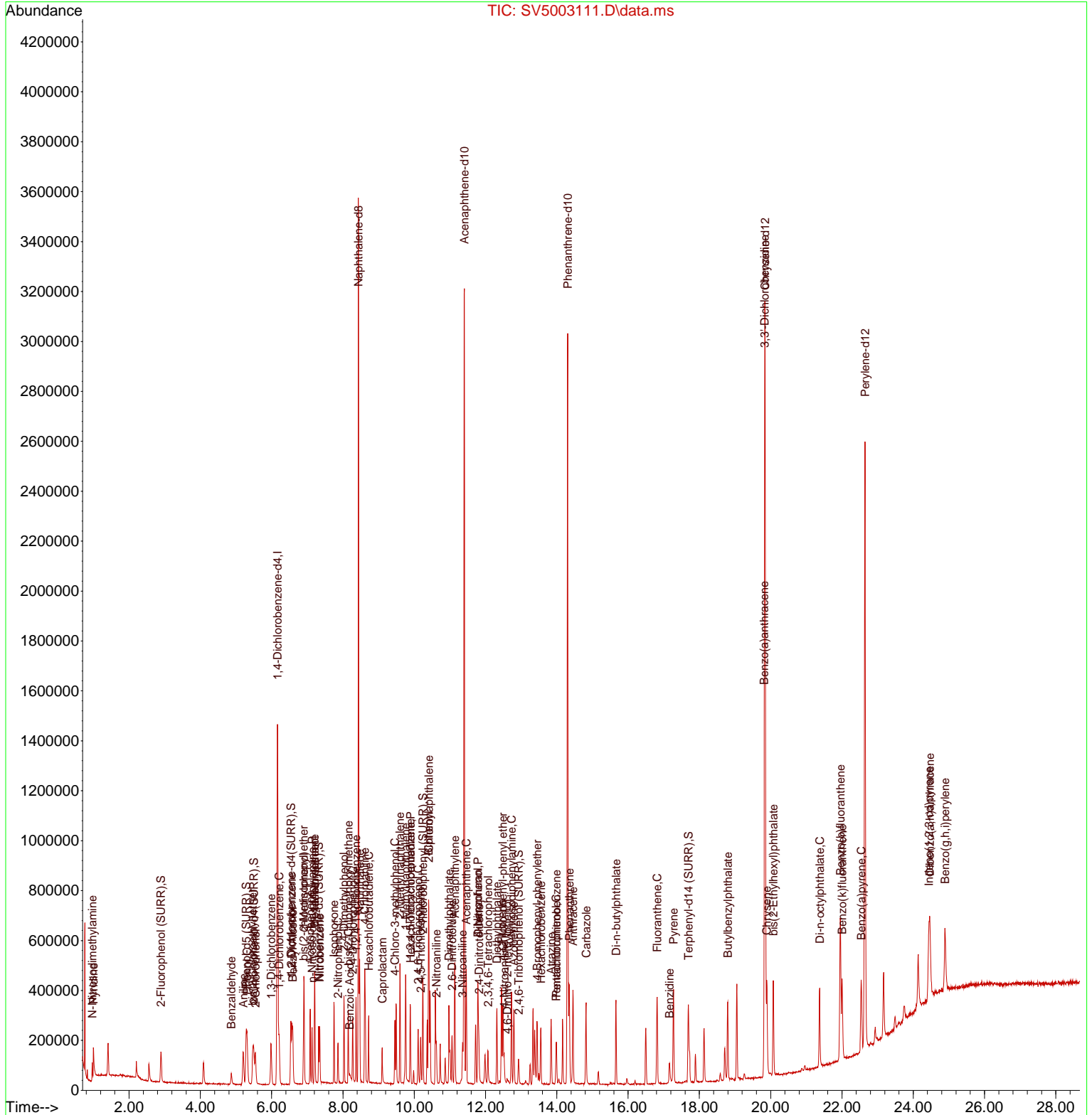
Quant Time: Oct 19 08:30:14 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:32:05 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	349719	4.73	ng/uL	99
39) 1-Methylnaphthalene	9.757	142	337171	4.68	ng/uL	99
40) 1,2,4,5-Tetrachloroben...	9.886	216	74719	4.67	ng/uL	97
42) Hexachlorocyclopentadiene	9.892	237	7983	1.48	ng/uL	92
43) 2,4,6-Trichlorophenol	10.110	196	45783	4.55	ng/uL	97
44) 2,4,5-Trichlorophenol	10.180	196	43352	4.29	ng/uL	97
46) Biphenyl	10.404	154	318407	4.81	ng/uL	96
47) 2-Chloronaphthalene	10.410	162	175018	4.40	ng/uL	96
48) Dimethylphthalate	10.974	163	189690	4.77	ng/uL	100
49) Acenaphthylene	11.139	152	329475	4.75	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	41914	4.76	ng/uL	96
51) 2-Nitroaniline	10.621	65	68560	4.69	ng/uL	94
52) Acenaphthene	11.457	153	263871	4.68	ng/uL	98
54) Dibenzofuran	11.786	168	242009	4.64	ng/uL	97
55) 4-Nitrophenol	11.786	65	28803m	3.92	ng/uL	
56) 3-Nitroaniline	11.357	138	49953	5.05	ng/uL	100
57) 2,4-Dinitrotoluene	11.815	165	47507	4.65	ng/uL	97
58) Fluorene	12.451	166	374647	4.67	ng/uL	95
59) 2,3,4,6-Tetrachlorophenol	12.068	232	30835	4.04	ng/uL	98
60) Diethylphthalate	12.321	149	183356	4.72	ng/uL	98
61) 4-Chloro-phenyl-phenyl...	12.486	204	93887	4.95	ng/uL	96
63) 4-Nitroaniline	12.521	138	46198	4.65	ng/uL	94
64) 4,6-Dinitro-2-methylph...	12.609	198	7118m	1.34	ng/uL	
65) n-Nitrosodiphenylamine	12.727	169	265027	4.65	ng/uL	100
66) Azobenzene	12.792	77	211407	4.65	ng/uL	97
68) 4-Bromophenyl-phenylether	13.451	248	47650	4.85	ng/uL	81
69) Hexachlorobenzene	13.551	284	51729	4.81	ng/uL	90
70) Atrazine	13.839	200	44858	4.57	ug/mL	88
71) Pentachloronitrobenzene	13.986	237	14562	3.96	ng/uL	92
72) Pentachlorophenol	13.980	266	13073	2.47	ng/uL#	53
73) Phenanthrene	14.351	178	308067	4.69	ng/uL	88
74) Anthracene	14.451	178	292140	4.68	ng/uL	99
75) Carbazole	14.821	167	314240	4.68	ng/uL	100
76) Di-n-butylphthalate	15.662	149	297514	4.65	ng/uL	100
77) Fluoranthene	16.815	202	309420	4.65	ng/uL	77
78) Benzidine	17.162	184	91015	2.93	ng/uL	95
80) Pyrene	17.274	202	328067	4.71	ng/uL	98
82) Butylbenzylphthalate	18.797	149	130767	4.45	ng/uL	91
83) 3,3'-Dichlorobenzidine	19.833	252	90086	4.38	ng/uL	94
84) Benzo(a)anthracene	19.821	228	280839	4.20	ng/uL	99
85) Chrysene	19.891	228	275320	4.59	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.074	149	179773	4.52	ng/uL	100
88) Di-n-octylphthalate	21.374	149	302292	4.47	ng/uL	100
89) Benzo(b)fluoranthene	21.956	252	283216	4.66	ng/uL	99
90) Benzo(k)fluoranthene	22.003	252	260103	4.75	ng/uL	99
91) Benzo(a)pyrene	22.544	252	278507	4.60	ng/uL	97
92) Indeno(1,2,3-cd)pyrene	24.438	276	335168	4.53	ng/uL	96
93) Dibenzo(a,h)anthracene	24.468	278	321869	4.50	ng/uL	97
94) Benzo(g,h,i)perylene	24.891	276	296157	4.77	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:30:14 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:32:05 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003112.D
 Acq On : 18 Oct 2012 1:38 pm
 Operator : IBM
 Sample : CVJ0192-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:33:07 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:35:11 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	578905	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.434	136	2358662	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1368331	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.304	188	2195560	40.00	ng/uL	0.00	
79) Chrysene-d12	19.845	240	2046487	40.00	ng/uL	0.00	
87) Perylene-d12	22.650	264	1900894	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.893	112	174752	10.12	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.75%		
7) Phenol-d5 (SURR)	5.281	99	233180	10.29	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.86%		
11) 2-Chlorophenol-d4 (SURR)	5.493	132	194520	10.21	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.81%		
14) 1,2 Dichlorobenzene-d4...	6.540	152	152272	8.18	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	8.18%		
24) Nitrobenzene-d5 (SURR)	7.316	82	196589	9.78	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	9.78%		
45) 2-Fluorobiphenyl (SURR)	10.245	172	527260	9.87	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	9.87%		
67) 2,4,6-Tribromophenol (...)	12.927	330	37017	9.71	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	6.47%		
81) Terphenyl-d14 (SURR)	17.692	244	442807	9.90	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	9.90%		
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.963	42	47645	12.02	ng/uL		99
3) Pyridine	0.999	79	132195	10.33	ng/uL		94
5) Benzaldehyde	4.869	105	45036	10.21	ug/mL		96
6) bis(2-Chloroethyl)ether	5.469	63	140304	9.83	ng/uL		98
8) 2-Chlorophenol	5.540	128	193802	9.97	ng/uL		98
9) Phenol	5.316	94	240862	9.55	ng/uL		97
10) Aniline	5.198	93	289984	10.09	ng/uL		96
12) 1,3-Dichlorobenzene	5.981	146	208005	9.95	ng/uL		96
13) 1,4-Dichlorobenzene	6.210	146	209453	9.74	ng/uL		90
15) 1,2-Dichlorobenzene	6.569	146	199748	9.87	ng/uL		95
16) Benzyl Alcohol	6.592	79	159934	9.86	ng/uL		87
17) bis(2-chloroisopropyl)...	6.898	121	73826	9.76	ng/uL		96
18) 2-Methylphenol	6.904	108	336848	9.98	ng/uL		100
19) Acetophenone	7.081	105	261638	10.12	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.128	70	144082	9.23	ng/uL		98
21) Hexachloroethane	7.204	117	81686	9.73	ng/uL		97
22) 3+4-Methylphenol	7.204	108	388580	10.02	ng/uL		96
25) Nitrobenzene	7.345	77	215375	10.04	ng/uL		98
26) Isophorone	7.745	82	380409	9.60	ng/uL		99
27) 2-Nitrophenol	7.863	139	95478	10.09	ng/uL		97
28) Benzoic Acid	8.181	105	99486	8.95	ng/uL		99
29) 2,4-Dimethylphenol	8.028	107	193717	9.99	ng/uL		95
30) bis(2-Chloroethoxy)met...	8.151	93	248442	9.66	ng/uL		98
31) 2,4-Dichlorophenol	8.269	162	147318	10.01	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.369	180	165538	9.80	ng/uL		97
33) Naphthalene	8.469	128	673753	9.69	ng/uL		100
34) 4-Chloroaniline	8.610	127	247309	9.58	ng/uL		98
35) Hexachlorobutadiene	8.722	225	78494	9.71	ng/uL		97
36) Caprolactam	9.098	113	63008	9.77	ug/mL#		65
37) 4-Chloro-3-methylphenol	9.451	107	170839	10.05	ng/uL		97

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003112.D
 Acq On : 18 Oct 2012 1:38 pm
 Operator : IBM
 Sample : CVJ0192-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

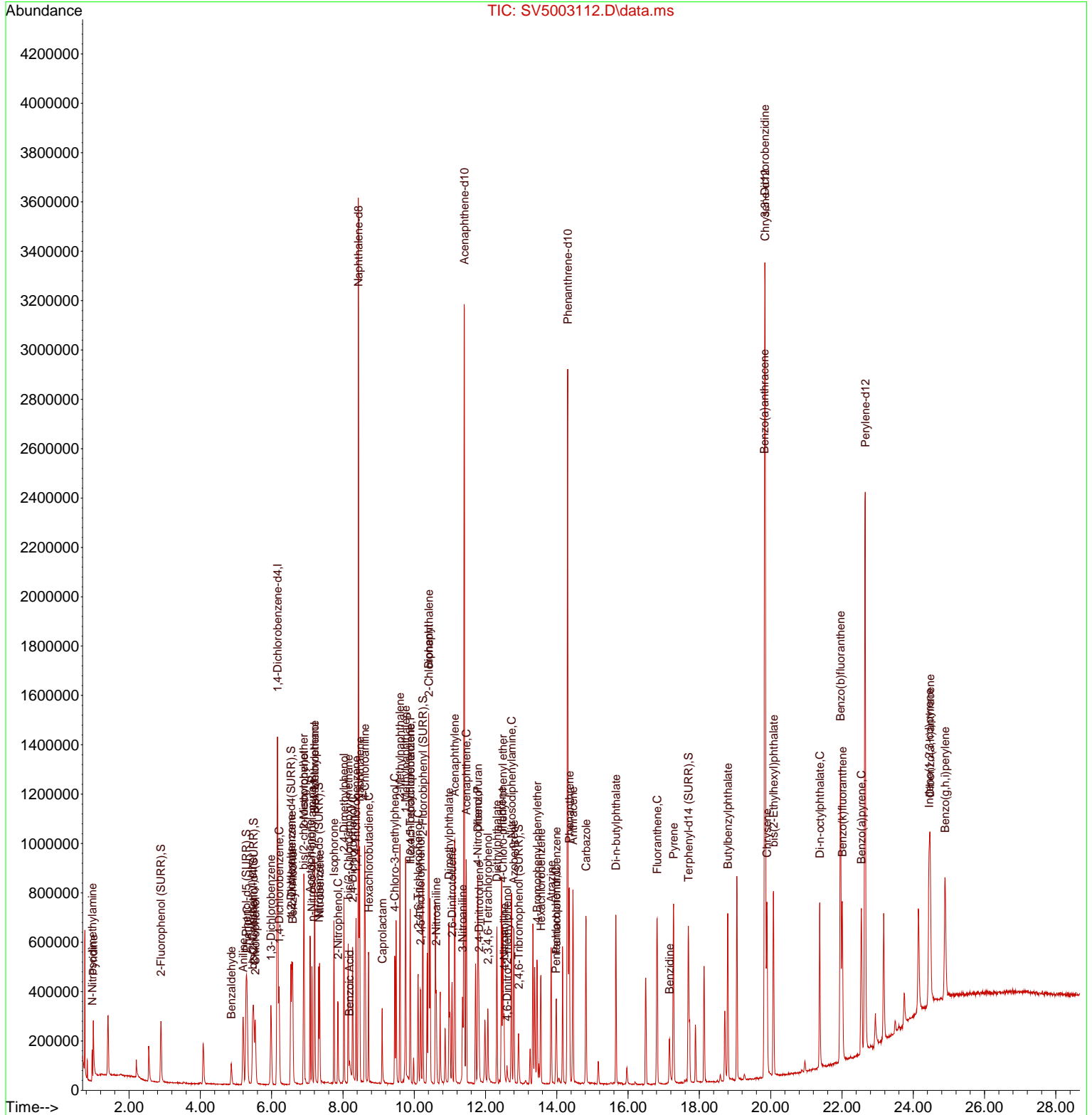
Quant Time: Oct 19 08:33:07 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:35:11 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	716616	9.99	ng/uL	97
39) 1-Methylnaphthalene	9.757	142	679460	9.75	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.886	216	155959	10.09	ng/uL	95
42) Hexachlorocyclopentadiene	9.886	237	25268	7.32	ng/uL	96
43) 2,4,6-Trichlorophenol	10.110	196	93135	9.65	ng/uL	97
44) 2,4,5-Trichlorophenol	10.175	196	93013	9.79	ng/uL	99
46) Biphenyl	10.404	154	641086	9.92	ng/uL	99
47) 2-Chloronaphthalene	10.410	162	355114	9.41	ng/uL	96
48) Dimethylphthalate	10.975	163	380328	9.83	ng/uL	100
49) Acenaphthylene	11.133	152	670313	9.95	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	87096	10.17	ng/uL	98
51) 2-Nitroaniline	10.616	65	136878	9.68	ng/uL	98
52) Acenaphthene	11.457	153	530221	9.73	ng/uL#	58
54) Dibenzofuran	11.786	168	492367	9.79	ng/uL	93
55) 4-Nitrophenol	11.780	65	56387m	8.38	ng/uL	
56) 3-Nitroaniline	11.357	138	105185	10.73	ng/uL	94
57) 2,4-Dinitrotoluene	11.816	165	103354	10.48	ng/uL	97
58) Fluorene	12.451	166	766051	9.88	ng/uL#	67
59) 2,3,4,6-Tetrachlorophenol	12.063	232	69790	9.88	ng/uL	97
60) Diethylphthalate	12.322	149	371992	9.87	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.486	204	184368	9.87	ng/uL	97
63) 4-Nitroaniline	12.522	138	96468	10.24	ng/uL	92
64) 4,6-Dinitro-2-methylph...	12.604	198	23018m	7.01	ng/uL	
65) n-Nitrosodiphenylamine	12.727	169	548259	10.14	ng/uL	98
66) Azobenzene	12.792	77	440977	10.21	ng/uL	96
68) 4-Bromophenyl-phenylether	13.451	248	94546	10.00	ng/uL	93
69) Hexachlorobenzene	13.551	284	100758	9.77	ng/uL	93
70) Atrazine	13.839	200	91565	9.89	ug/mL	94
71) Pentachloronitrobenzene	13.986	237	29888	9.33	ng/uL	84
72) Pentachlorophenol	13.974	266	31442	8.18	ng/uL	83
73) Phenanthrene	14.351	178	618813	9.89	ng/uL	90
74) Anthracene	14.451	178	602729	10.15	ng/uL	88
75) Carbazole	14.815	167	637931	9.99	ng/uL	100
76) Di-n-butylphthalate	15.657	149	608163	10.01	ng/uL	100
77) Fluoranthene	16.815	202	620232	9.82	ng/uL	99
78) Benzidine	17.162	184	187951	7.86	ng/uL	94
80) Pyrene	17.274	202	666661	9.94	ng/uL	92
82) Butylbenzylphthalate	18.798	149	274227	9.86	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.839	252	195790	10.10	ng/uL	98
84) Benzo(a)anthracene	19.827	228	567353	9.12	ng/uL	99
85) Chrysene	19.898	228	551298	9.62	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.080	149	372415	9.84	ng/uL	98
88) Di-n-octylphthalate	21.374	149	628351	10.03	ng/uL	100
89) Benzo(b)fluoranthene	21.956	252	592022	10.37	ng/uL	98
90) Benzo(k)fluoranthene	22.009	252	532612	10.30	ng/uL	98
91) Benzo(a)pyrene	22.544	252	530605	9.37	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.444	276	671264	9.75	ng/uL	84
93) Dibenzo(a,h)anthracene	24.474	278	663790	10.00	ng/uL	98
94) Benzo(g,h,i)perylene	24.891	276	582413	9.92	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003112.D
 Acq On : 18 Oct 2012 1:38 pm
 Operator : IBM
 Sample : CVJ0192-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:33:07 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:35:11 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003113.D
 Acq On : 18 Oct 2012 2:11 pm
 Operator : IBM
 Sample : CVJ0192-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:35:17 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:37:20 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.163	152	595198	40.00	ng/uL	0.00
23) Naphthalene-d8	8.434	136	2381532	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.404	164	1391668	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.304	188	2247782	40.00	ng/uL	0.00
79) Chrysene-d12	19.845	240	2077555	40.00	ng/uL	0.00
87) Perylene-d12	22.644	264	1906929	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.893	112	348865	19.59	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	13.06%	
7) Phenol-d5 (SURR)	5.275	99	477960	20.36	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	13.57%	
11) 2-Chlorophenol-d4 (SURR)	5.493	132	400429	20.34	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	13.56%	
14) 1,2 Dichlorobenzene-d4...	6.540	152	298076	16.31	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	16.31%	
24) Nitrobenzene-d5 (SURR)	7.316	82	410953	20.36	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	20.36%	
45) 2-Fluorobiphenyl (SURR)	10.245	172	1075572	19.87	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	19.87%	
67) 2,4,6-Tribromophenol (...)	12.927	330	79906	20.67	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	13.78%	
81) Terphenyl-d14 (SURR)	17.692	244	925053	20.42	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	20.42%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	0.958	42	84387	19.40	ng/uL	99
3) Pyridine	0.993	79	256649	19.34	ng/uL	100
5) Benzaldehyde	4.863	105	90136	19.73	ug/mL	98
6) bis(2-Chloroethyl)ether	5.463	63	283759	19.42	ng/uL	99
8) 2-Chlorophenol	5.540	128	393344	19.70	ng/uL	99
9) Phenol	5.310	94	506089	19.74	ng/uL	99
10) Aniline	5.198	93	616179	20.80	ng/uL	99
12) 1,3-Dichlorobenzene	5.981	146	420221	19.57	ng/uL	95
13) 1,4-Dichlorobenzene	6.210	146	424723	19.33	ng/uL	99
15) 1,2-Dichlorobenzene	6.569	146	402444	19.40	ng/uL	95
16) Benzyl Alcohol	6.592	79	327331	19.70	ng/uL	99
17) bis(2-chloroisopropyl)...	6.904	121	145560	18.84	ng/uL	96
18) 2-Methylphenol	6.904	108	696139	20.07	ng/uL	100
19) Acetophenone	7.075	105	537280	20.16	ng/uL	99
20) n-Nitroso-di-n-propyla...	7.128	70	292892	18.61	ng/uL	99
21) Hexachloroethane	7.204	117	165225	19.28	ng/uL	98
22) 3+4-Methylphenol	7.204	108	801911	20.10	ng/uL	96
25) Nitrobenzene	7.345	77	437420	20.18	ng/uL	99
26) Isophorone	7.745	82	783008	19.77	ng/uL	99
27) 2-Nitrophenol	7.857	139	203901	21.30	ng/uL	99
28) Benzoic Acid	8.192	105	208869	19.28	ng/uL	99
29) 2,4-Dimethylphenol	8.028	107	397248	20.29	ng/uL	97
30) bis(2-Chloroethoxy)met...	8.151	93	498704	19.37	ng/uL	100
31) 2,4-Dichlorophenol	8.269	162	304168	20.47	ng/uL	94
32) 1,2,4-Trichlorobenzene	8.369	180	335324	19.77	ng/uL	98
33) Naphthalene	8.469	128	1364319	19.59	ng/uL	100
34) 4-Chloroaniline	8.604	127	537610	20.85	ng/uL	100
35) Hexachlorobutadiene	8.722	225	164141	20.26	ng/uL	98
36) Caprolactam	9.104	113	137352	21.22	ug/mL#	15
37) 4-Chloro-3-methylphenol	9.451	107	357333	20.80	ng/uL	98

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003113.D
 Acq On : 18 Oct 2012 2:11 pm
 Operator : IBM
 Sample : CVJ0192-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

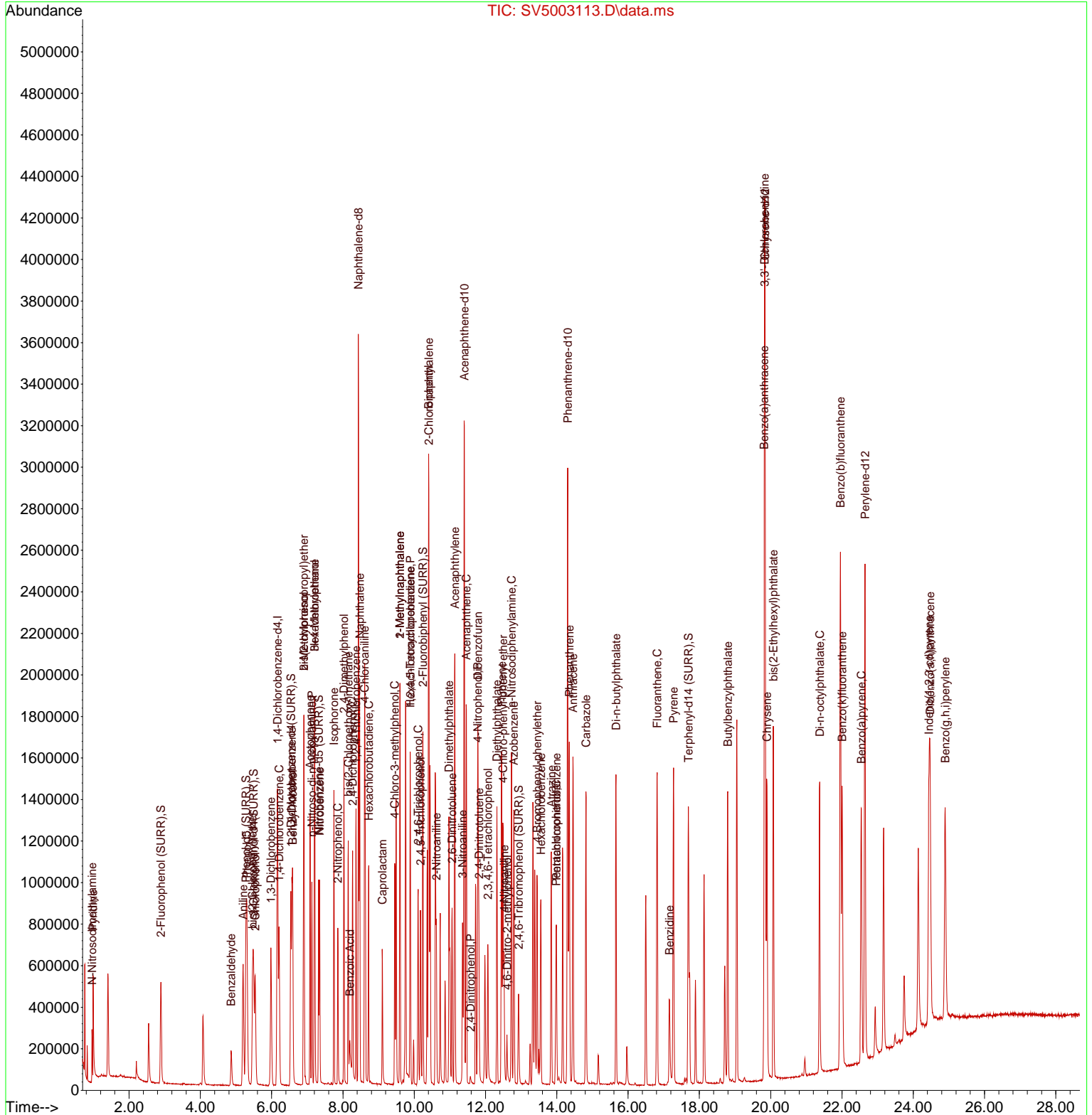
Quant Time: Oct 19 08:35:17 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:37:20 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	1466170	20.25	ng/uL	99
39) 1-Methylnaphthalene	9.598	142	1462390	20.92	ng/uL	98
40) 1,2,4,5-Tetrachloroben...	9.886	216	313199	20.02	ng/uL	98
42) Hexachlorocyclopentadiene	9.886	237	76489	23.92	ng/uL	98
43) 2,4,6-Trichlorophenol	10.110	196	193287	19.87	ng/uL	98
44) 2,4,5-Trichlorophenol	10.175	196	203665	21.18	ng/uL	97
46) Biphenyl	10.404	154	1301223	19.84	ng/uL	99
47) 2-Chloronaphthalene	10.410	162	722578	19.11	ng/uL	98
48) Dimethylphthalate	10.975	163	780674	19.92	ng/uL	100
49) Acenaphthylene	11.139	152	1375533	20.10	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	183945	21.03	ng/uL	99
51) 2-Nitroaniline	10.622	65	292596	20.52	ng/uL	98
52) Acenaphthene	11.457	153	1080891	19.64	ng/uL#	73
53) 2,4-Dinitrophenol	11.580	184	16772m	8.28	ng/uL	
54) Dibenzofuran	11.786	168	999584	19.65	ng/uL	95
55) 4-Nitrophenol	11.780	65	134602m	20.49	ng/uL	
56) 3-Nitroaniline	11.357	138	223523	22.02	ng/uL	96
57) 2,4-Dinitrotoluene	11.816	165	227518	22.41	ng/uL	97
58) Fluorene	12.451	166	1581327	20.11	ng/uL#	65
59) 2,3,4,6-Tetrachlorophenol	12.063	232	150765	21.05	ng/uL	97
60) Diethylphthalate	12.322	149	773612	20.25	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.492	204	375093	19.80	ng/uL	99
63) 4-Nitroaniline	12.522	138	216340	22.29	ng/uL	100
64) 4,6-Dinitro-2-methylph...	12.604	198	69416	22.94	ng/uL	87
65) n-Nitrosodiphenylamine	12.727	169	1123900	20.23	ng/uL	99
66) Azobenzene	12.792	77	926530	20.85	ng/uL	97
68) 4-Bromophenyl-phenylether	13.451	248	192065	19.84	ng/uL	98
69) Hexachlorobenzene	13.551	284	207976	19.81	ng/uL	89
70) Atrazine	13.845	200	193831	20.50	ug/mL	98
71) Pentachloronitrobenzene	13.986	237	68807	21.46	ng/uL	91
72) Pentachlorophenol	13.980	266	80531	21.79	ng/uL	87
73) Phenanthrene	14.351	178	1258304	19.70	ng/uL	99
74) Anthracene	14.451	178	1246885	20.44	ng/uL	88
75) Carbazole	14.815	167	1344347	20.57	ng/uL	100
76) Di-n-butylphthalate	15.662	149	1320666	21.23	ng/uL	100
77) Fluoranthene	16.815	202	1310243	20.35	ng/uL	93
78) Benzidine	17.162	184	443561	19.51	ng/uL	100
80) Pyrene	17.274	202	1394040	20.50	ng/uL	100
82) Butylbenzylphthalate	18.798	149	583637	20.74	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.833	252	411345	20.86	ng/uL	98
84) Benzo(a)anthracene	19.821	228	1180760	19.12	ng/uL	100
85) Chrysene	19.897	228	1130421	19.61	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.074	149	786060	20.55	ng/uL	99
88) Di-n-octylphthalate	21.374	149	1329119	21.13	ng/uL	100
89) Benzo(b)fluoranthene	21.956	252	1176853	20.37	ng/uL	100
90) Benzo(k)fluoranthene	22.003	252	1143113	21.87	ng/uL	99
91) Benzo(a)pyrene	22.544	252	1072790	19.18	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.438	276	1386277	20.20	ng/uL	98
93) Dibenzo(a,h)anthracene	24.474	278	1364833	20.50	ng/uL	99
94) Benzo(g,h,i)perylene	24.897	276	1184129	20.15	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
Data File : SV5003113.D
Acq On : 18 Oct 2012 2:11 pm
Operator : IBM
Sample : CVJ0192-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 19 08:35:17 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
QLast Update : Fri Oct 19 08:37:20 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003114.D
 Acq On : 18 Oct 2012 2:45 pm
 Operator : IBM
 Sample : CVJ0192-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:23:58 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210018) AQ CAL(1210019)
 QLast Update : Thu Oct 18 11:26:35 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	579514	40.00	ng/uL	-0.05	
23) Naphthalene-d8	8.434	136	2299100	40.00	ng/uL	-0.04	
41) Acenaphthene-d10	11.404	164	1343631	40.00	ng/uL	-0.04	
62) Phenanthrene-d10	14.304	188	2165061	40.00	ng/uL	-0.02	
79) Chrysene-d12	19.845	240	2046733	40.00	ng/uL	0.00	
87) Perylene-d12	22.644	264	1868584	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.893	112	864063	51.22	ng/uL	-0.04	
Spiked Amount	150.000		Recovery	=	34.15%		
7) Phenol-d5 (SURR)	5.275	99	1156260	50.26	ng/uL	-0.05	
Spiked Amount	150.000		Recovery	=	33.51%		
11) 2-Chlorophenol-d4 (SURR)	5.493	132	977065	51.93	ng/uL	-0.06	
Spiked Amount	150.000		Recovery	=	34.62%		
14) 1,2 Dichlorobenzene-d4...	6.540	152	708212	49.85	ng/uL	-0.04	
Spiked Amount	100.000		Recovery	=	49.85%		
24) Nitrobenzene-d5 (SURR)	7.316	82	999244	49.77	ng/uL	-0.03	
Spiked Amount	100.000		Recovery	=	49.77%		
45) 2-Fluorobiphenyl (SURR)	10.245	172	2594664	50.79	ng/uL	-0.04	
Spiked Amount	100.000		Recovery	=	50.79%		
67) 2,4,6-Tribromophenol (...)	12.927	330	210101	50.72	ng/uL	-0.02	
Spiked Amount	150.000		Recovery	=	33.81%		
81) Terphenyl-d14 (SURR)	17.692	244	2300503	50.05	ng/uL	-0.01	
Spiked Amount	100.000		Recovery	=	50.05%		
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.958	42	194877	47.03	ng/uL		97
3) Pyridine	0.993	79	620912	50.56	ng/uL		95
5) Benzaldehyde	4.863	105	220639	23.25	ug/mL		96
6) bis(2-Chloroethyl)ether	5.463	63	682410	49.79	ng/uL		97
8) 2-Chlorophenol	5.540	128	944141	49.25	ng/uL		98
9) Phenol	5.310	94	1232787	49.93	ng/uL		97
10) Aniline	5.198	93	1632556	65.14	ng/uL		92
12) 1,3-Dichlorobenzene	5.981	146	1026791	50.95	ng/uL		94
13) 1,4-Dichlorobenzene	6.210	146	1026817	50.03	ng/uL		98
15) 1,2-Dichlorobenzene	6.569	146	981174	50.27	ng/uL		99
16) Benzyl Alcohol	6.592	79	813188	50.33	ng/uL		99
17) bis(2-chloroisopropyl)...	6.892	121	358713	49.80	ng/uL		100
18) 2-Methylphenol	6.904	108	1679915	51.68	ng/uL		96
19) Acetophenone	7.075	105	1307301	50.87	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.128	70	698535	48.55	ng/uL		99
21) Hexachloroethane	7.204	117	403533	51.00	ng/uL		98
22) 3+4-Methylphenol	7.204	108	1961710	50.16	ng/uL		96
25) Nitrobenzene	7.345	77	1069044	50.01	ng/uL		97
26) Isophorone	7.745	82	1911824	50.45	ng/uL		98
27) 2-Nitrophenol	7.857	139	517149	50.09	ng/uL		99
28) Benzoic Acid	8.216	105	588416m	48.03	ng/uL		
29) 2,4-Dimethylphenol	8.028	107	956263	52.60	ng/uL#		64
30) bis(2-Chloroethoxy)met...	8.151	93	1220349	49.33	ng/uL		99
31) 2,4-Dichlorophenol	8.269	162	748147	50.08	ng/uL		96
32) 1,2,4-Trichlorobenzene	8.369	180	814707	50.68	ng/uL		99
33) Naphthalene	8.469	128	3269565	50.41	ng/uL		100
34) 4-Chloroaniline	8.604	127	1392912	54.66	ng/uL		98
35) Hexachlorobutadiene	8.722	225	393309	49.71	ng/uL		99
36) Caprolactam	9.122	113	344723	49.70	ug/mL#		47
37) 4-Chloro-3-methylphenol	9.457	107	883642	49.79	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003114.D
 Acq On : 18 Oct 2012 2:45 pm
 Operator : IBM
 Sample : CVJ0192-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

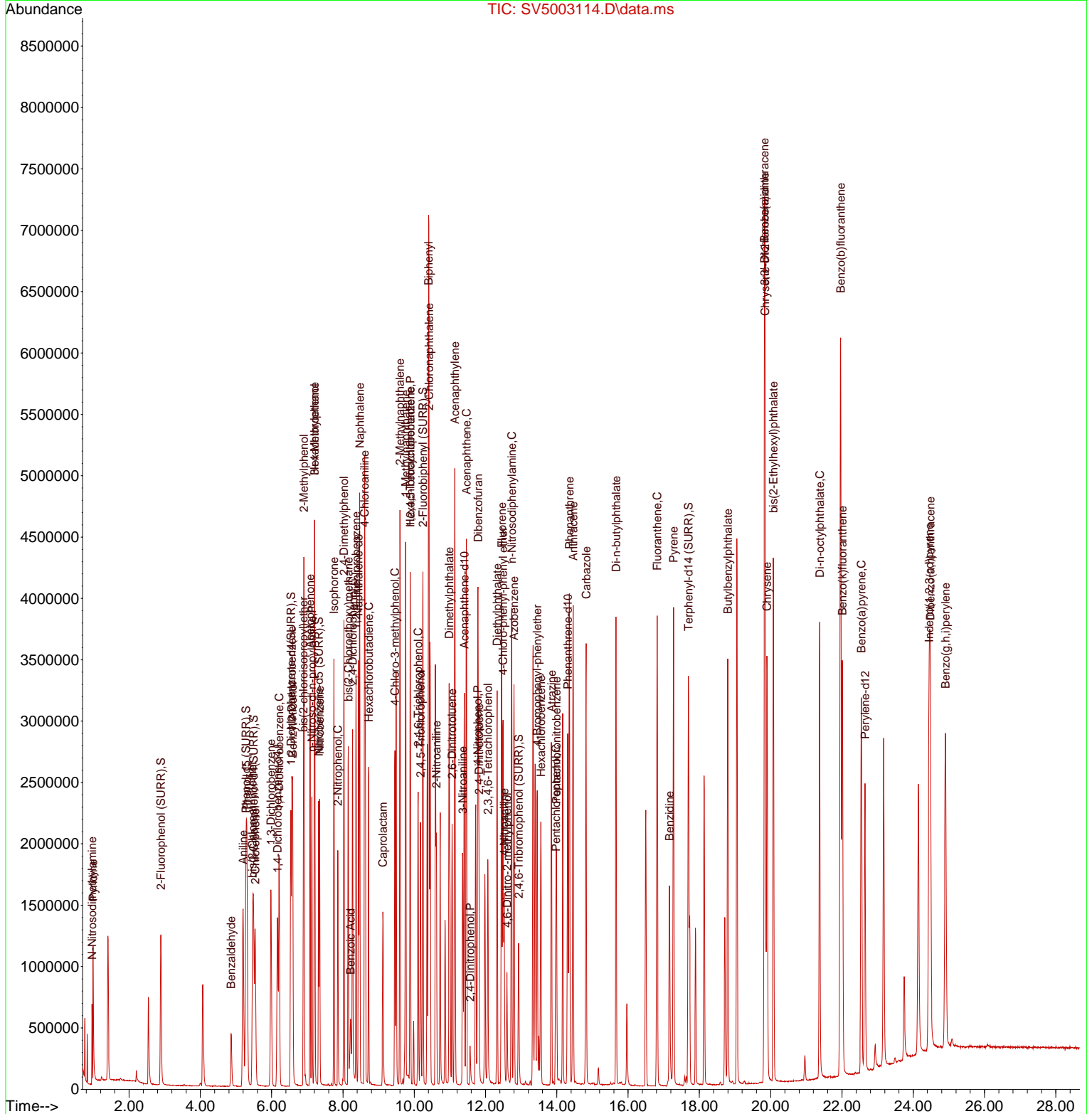
Quant Time: Oct 19 08:23:58 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210018) AQ CAL(1210019)
 QLast Update : Thu Oct 18 11:26:35 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	3512735	49.26	ng/uL	100
39) 1-Methylnaphthalene	9.757	142	3336240	49.84	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.886	216	760387	49.18	ng/uL	99
42) Hexachlorocyclopentadiene	9.886	237	261685	135.02	ng/uL	99
43) 2,4,6-Trichlorophenol	10.110	196	488426	49.18	ng/uL	99
44) 2,4,5-Trichlorophenol	10.175	196	503009	49.63	ng/uL	99
46) Biphenyl	10.404	154	3134899	50.56	ng/uL	99
47) 2-Chloronaphthalene	10.416	162	1883307	51.98	ng/uL	98
48) Dimethylphthalate	10.980	163	1876629	50.25	ng/uL	100
49) Acenaphthylene	11.139	152	3345741	51.84	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	459252	51.91	ng/uL	96
51) 2-Nitroaniline	10.622	65	726076	50.07	ng/uL	92
52) Acenaphthene	11.463	153	2585500	49.80	ng/uL	100
53) 2,4-Dinitrophenol	11.569	184	97759	53.15	ng/uL	97
54) Dibenzofuran	11.792	168	2412483	50.79	ng/uL	99
55) 4-Nitrophenol	11.775	65	402852m	37.20	ng/uL	
56) 3-Nitroaniline	11.363	138	562484	51.71	ng/uL	100
57) 2,4-Dinitrotoluene	11.816	165	589432	52.47	ng/uL	94
58) Fluorene	12.451	166	3866786	50.62	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.063	232	401862	50.89	ng/uL	99
60) Diethylphthalate	12.327	149	1893367	50.67	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.492	204	914442	49.96	ng/uL	98
63) 4-Nitroaniline	12.527	138	530014	50.72	ng/uL	90
64) 4,6-Dinitro-2-methylph...	12.604	198	255428	46.13	ng/uL	96
65) n-Nitrosodiphenylamine	12.733	169	2791493	51.26	ng/uL	99
66) Azobenzene	12.798	77	2240332	51.46	ng/uL	99
68) 4-Bromophenyl-phenylether	13.451	248	466755	49.11	ng/uL	99
69) Hexachlorobenzene	13.551	284	503162	49.24	ng/uL	93
70) Atrazine	13.851	200	494905	102.55	ug/mL	94
71) Pentachloronitrobenzene	13.986	237	176335	51.45	ng/uL#	71
72) Pentachlorophenol	13.974	266	253735	48.75	ng/uL	98
73) Phenanthrene	14.351	178	3039893	49.48	ng/uL	100
74) Anthracene	14.457	178	3047748	50.47	ng/uL	88
75) Carbazole	14.821	167	3314421	51.14	ng/uL	91
76) Di-n-butylphthalate	15.662	149	3307908	52.29	ng/uL	100
77) Fluoranthene	16.815	202	3295392	51.03	ng/uL	99
78) Benzidine	17.162	184	1486706	107.56	ng/uL	99
80) Pyrene	17.274	202	3456447	50.97	ng/uL	100
82) Butylbenzylphthalate	18.798	149	1471133	51.17	ng/uL	99
83) 3,3'-Dichlorobenzidine	19.833	252	1042556	51.70	ng/uL	99
84) Benzo(a)anthracene	19.827	228	2950192	49.34	ng/uL	100
85) Chrysene	19.898	228	2836625	50.23	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.074	149	2002831	51.36	ng/uL	99
88) Di-n-octylphthalate	21.374	149	3433359	52.42	ng/uL	100
89) Benzo(b)fluoranthene	21.962	252	3054950	50.44	ng/uL	100
90) Benzo(k)fluoranthene	22.009	252	2824516	51.45	ng/uL	100
91) Benzo(a)pyrene	22.544	252	2719838	50.31	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	24.444	276	3477393	48.81	ng/uL	99
93) Dibenzo(a,h)anthracene	24.480	278	3449015	49.48	ng/uL	98
94) Benzo(g,h,i)perylene	24.903	276	2927899	48.47	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
Data File : SV5003114.D
Acq On : 18 Oct 2012 2:45 pm
Operator : IBM
Sample : CVJ0192-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 19 08:23:58 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210018) AQ CAL(1210019)
QLast Update : Thu Oct 18 11:26:35 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003115.D
 Acq On : 18 Oct 2012 3:18 pm
 Operator : IBM
 Sample : CVJ0192-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:37:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:39:32 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.163	152	588258	40.00	ng/uL	0.00
23) Naphthalene-d8	8.433	136	2332711	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.404	164	1367525	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.309	188	2202836	40.00	ng/uL	0.00
79) Chrysene-d12	19.850	240	2109407	40.00	ng/uL	0.00
87) Perylene-d12	22.656	264	1896101	40.00	ng/uL	0.01
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.887	112	1313424	74.93	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	49.95%	
7) Phenol-d5 (SURR)	5.275	99	1748682	75.10	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	50.07%	
11) 2-Chlorophenol-d4 (SURR)	5.492	132	1467081	75.14	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	50.09%	
14) 1,2 Dichlorobenzene-d4...	6.533	152	1078563	62.01	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	62.01%	
24) Nitrobenzene-d5 (SURR)	7.316	82	1522060	76.72	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	76.72%	
45) 2-Fluorobiphenyl (SURR)	10.245	172	3931938	74.01	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	74.01%	
67) 2,4,6-Tribromophenol (...)	12.933	330	328948	86.12	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	57.41%	
81) Terphenyl-d14 (SURR)	17.697	244	3592222	77.78	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	77.78%	
Target Compounds						
2) N-Nitrosodimethylamine	0.957	42	298675	70.01	ng/uL	99
3) Pyridine	0.987	79	920067	70.62	ng/uL	99
5) Benzaldehyde	4.863	105	347249	77.18	ug/mL	97
6) bis(2-Chloroethyl)ether	5.463	63	1033190	71.96	ng/uL	99
8) 2-Chlorophenol	5.539	128	1430971	72.72	ng/uL	99
9) Phenol	5.310	94	1870660	74.03	ng/uL	98
10) Aniline	5.198	93	2461293	83.41	ng/uL	97
12) 1,3-Dichlorobenzene	5.981	146	1549609	73.34	ng/uL	95
13) 1,4-Dichlorobenzene	6.210	146	1550428	71.89	ng/uL	92
15) 1,2-Dichlorobenzene	6.569	146	1481159	72.67	ng/uL	96
16) Benzyl Alcohol	6.592	79	1240914	75.78	ng/uL	98
17) bis(2-chloroisopropyl)...	6.892	121	540060	71.55	ng/uL	98
18) 2-Methylphenol	6.904	108	2533341	73.85	ng/uL	96
19) Acetophenone	7.075	105	1978763	74.99	ng/uL	100
20) n-Nitroso-di-n-propyla...	7.128	70	1075226	70.10	ng/uL	99
21) Hexachloroethane	7.204	117	605000	71.94	ng/uL	98
22) 3+4-Methylphenol	7.204	108	2997056	75.94	ng/uL	96
25) Nitrobenzene	7.345	77	1619530	76.14	ng/uL	99
26) Isophorone	7.745	82	2903683	75.03	ng/uL	100
27) 2-Nitrophenol	7.857	139	792681	83.45	ng/uL	98
28) Benzoic Acid	8.233	105	928539	88.30	ng/uL	95
29) 2,4-Dimethylphenol	8.027	107	1452881	75.55	ng/uL#	63
30) bis(2-Chloroethoxy)met...	8.151	93	1839363	73.40	ng/uL	99
31) 2,4-Dichlorophenol	8.269	162	1142774	78.15	ng/uL	96
32) 1,2,4-Trichlorobenzene	8.369	180	1233387	74.40	ng/uL	100
33) Naphthalene	8.469	128	4880474	71.83	ng/uL	100
34) 4-Chloroaniline	8.610	127	2167384	85.10	ng/uL	100
35) Hexachlorobutadiene	8.722	225	596897	75.02	ng/uL	98
36) Caprolactam	9.139	113	530949	82.74	ug/mL#	51
37) 4-Chloro-3-methylphenol	9.457	107	1348335	79.48	ng/uL	100

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003115.D
 Acq On : 18 Oct 2012 3:18 pm
 Operator : IBM
 Sample : CVJ0192-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

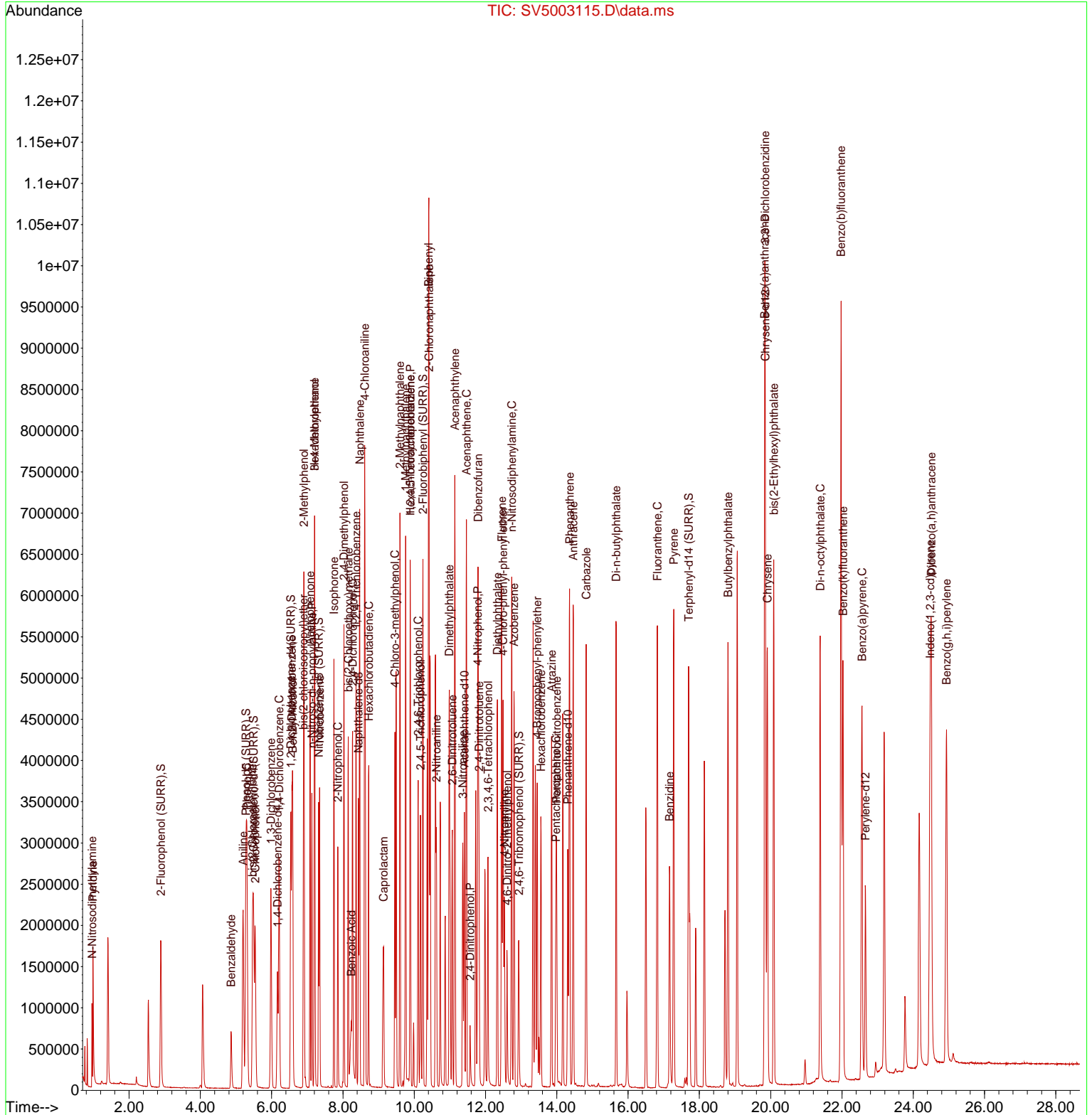
Quant Time: Oct 19 08:37:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:39:32 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	5326394	74.92	ng/uL	100
39) 1-Methylnaphthalene	9.757	142	5073796	73.42	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.886	216	1163322	75.92	ng/uL	98
42) Hexachlorocyclopentadiene	9.886	237	457121	138.66	ng/uL	97
43) 2,4,6-Trichlorophenol	10.110	196	755974	79.19	ng/uL	99
44) 2,4,5-Trichlorophenol	10.174	196	783251	81.94	ng/uL	98
46) Biphenyl	10.404	154	4734966	73.59	ng/uL	100
47) 2-Chloronaphthalene	10.416	162	2827421	76.78	ng/uL	99
48) Dimethylphthalate	10.980	163	2851874	74.12	ng/uL	100
49) Acenaphthylene	11.139	152	5058813	75.14	ng/uL	100
50) 2,6-Dinitrotoluene	11.068	165	701039	80.72	ng/uL	100
51) 2-Nitroaniline	10.621	65	1120014	79.51	ng/uL	99
52) Acenaphthene	11.463	153	3927771	72.88	ng/uL	100
53) 2,4-Dinitrophenol	11.568	184	209444	148.86	ng/uL	99
54) Dibenzofuran	11.792	168	3664042	73.55	ng/uL	97
55) 4-Nitrophenol	11.780	65	617106m	95.14	ng/uL	
56) 3-Nitroaniline	11.363	138	865547	85.07	ng/uL	93
57) 2,4-Dinitrotoluene	11.815	165	906572	88.75	ng/uL	98
58) Fluorene	12.451	166	5873162	75.93	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.068	232	611877	86.04	ng/uL	99
60) Diethylphthalate	12.333	149	2900461	77.07	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.492	204	1391144	74.90	ng/uL	98
63) 4-Nitroaniline	12.533	138	844560	86.81	ng/uL	98
64) 4,6-Dinitro-2-methylph...	12.604	198	441841	143.73	ng/uL	97
65) n-Nitrosodiphenylamine	12.733	169	4253616	77.96	ng/uL	99
66) Azobenzene	12.798	77	3400393	77.42	ng/uL	99
68) 4-Bromophenyl-phenylether	13.451	248	719075	75.91	ng/uL	98
69) Hexachlorobenzene	13.551	284	764782	74.46	ng/uL	91
70) Atrazine	13.851	200	761813	81.80	ug/mL	92
71) Pentachloronitrobenzene	13.992	237	274330	85.74	ng/uL	93
72) Pentachlorophenol	13.974	266	441430	119.20	ng/uL	98
73) Phenanthrene	14.356	178	4634575	74.27	ng/uL	99
74) Anthracene	14.456	178	4655086	77.53	ng/uL	87
75) Carbazole	14.821	167	5055862	78.49	ng/uL	100
76) Di-n-butylphthalate	15.668	149	5087376	82.42	ng/uL	100
77) Fluoranthene	16.821	202	5007094	79.07	ng/uL	100
78) Benzidine	17.162	184	2432420	109.82	ng/uL	99
80) Pyrene	17.280	202	5269232	75.94	ng/uL	91
82) Butylbenzylphthalate	18.803	149	2288838	79.53	ng/uL	94
83) 3,3'-Dichlorobenzidine	19.844	252	1601004	79.27	ng/uL	99
84) Benzo(a)anthracene	19.833	228	4607229	74.12	ng/uL	100
85) Chrysene	19.909	228	4244953	72.82	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.086	149	3112270	79.69	ng/uL	100
88) Di-n-octylphthalate	21.391	149	5374352	84.96	ng/uL	100
89) Benzo(b)fluoranthene	21.974	252	4903463	85.03	ng/uL	99
90) Benzo(k)fluoranthene	22.027	252	4148867	78.35	ng/uL	100
91) Benzo(a)pyrene	22.562	252	4190262	75.98	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.473	276	5388343	78.82	ng/uL	99
93) Dibenzo(a,h)anthracene	24.503	278	5295888	79.60	ng/uL	97
94) Benzo(g,h,i)perylene	24.932	276	4518521	77.21	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003115.D
 Acq On : 18 Oct 2012 3:18 pm
 Operator : IBM
 Sample : CVJ0192-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:37:13 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:39:32 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003116.D
 Acq On : 18 Oct 2012 3:51 pm
 Operator : IBM
 Sample : CVJ0192-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:38:50 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:41:30 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	610267	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.439	136	2365663	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1390432	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.309	188	2241938	40.00	ng/uL	0.00	
79) Chrysene-d12	19.856	240	2162463	40.00	ng/uL	0.01	
87) Perylene-d12	22.662	264	1941607	40.00	ng/uL	0.02	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.887	112	1780279	97.91	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	65.27%	
7) Phenol-d5 (SURR)	5.275	99	2370189	98.10	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	65.40%	
11) 2-Chlorophenol-d4 (SURR)	5.492	132	2005829	99.00	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	66.00%	
14) 1,2 Dichlorobenzene-d4...	6.534	152	1447368	82.60	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	82.60%	
24) Nitrobenzene-d5 (SURR)	7.316	82	2070691	102.53	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	102.53%	
45) 2-Fluorobiphenyl (SURR)	10.245	172	5330865	98.91	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	98.91%	
67) 2,4,6-Tribromophenol (...)	12.933	330	455509	113.80	ng/uL	0.00	
Spiked Amount	150.000			Recovery	=	75.87%	
81) Terphenyl-d14 (SURR)	17.698	244	4919094	103.26	ng/uL	0.00	
Spiked Amount	100.000			Recovery	=	103.26%	
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.957	42	408598	93.56	ng/uL		96
3) Pyridine	0.987	79	1256568	93.88	ng/uL		95
5) Benzaldehyde	4.863	105	490429	104.47	ug/mL		99
6) bis(2-Chloroethyl)ether	5.463	63	1397901	94.49	ng/uL		99
8) 2-Chlorophenol	5.539	128	1932455	95.14	ng/uL		99
9) Phenol	5.316	94	2498288	95.50	ng/uL		97
10) Aniline	5.198	93	3346126	107.30	ng/uL		96
12) 1,3-Dichlorobenzene	5.981	146	2079951	95.24	ng/uL		98
13) 1,4-Dichlorobenzene	6.210	146	2110004	94.97	ng/uL		94
15) 1,2-Dichlorobenzene	6.569	146	2005181	95.33	ng/uL		95
16) Benzyl Alcohol	6.592	79	1687125	99.14	ng/uL		98
17) bis(2-chloroisopropyl)...	6.898	121	717143	92.29	ng/uL		98
18) 2-Methylphenol	6.904	108	3454349	97.31	ng/uL		100
19) Acetophenone	7.081	105	2666733	97.42	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.128	70	1463210	92.97	ng/uL		99
21) Hexachloroethane	7.204	117	819082	94.53	ng/uL		98
22) 3+4-Methylphenol	7.204	108	4033861	98.32	ng/uL		96
25) Nitrobenzene	7.345	77	2182470	100.92	ng/uL		99
26) Isophorone	7.745	82	3915084	99.75	ng/uL		99
27) 2-Nitrophenol	7.857	139	1104187	112.51	ng/uL		93
28) Benzoic Acid	8.251	105	1292527	117.05	ng/uL		96
29) 2,4-Dimethylphenol	8.028	107	1981064	101.46	ng/uL#		62
30) bis(2-Chloroethoxy)met...	8.151	93	2492335	98.43	ng/uL		99
31) 2,4-Dichlorophenol	8.269	162	1555829	104.19	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.369	180	1678744	99.99	ng/uL		100
33) Naphthalene	8.469	128	6544955	95.66	ng/uL		100
34) 4-Chloroaniline	8.610	127	2956988	111.97	ng/uL		99
35) Hexachlorobutadiene	8.722	225	818093	101.38	ng/uL		98
36) Caprolactam	9.151	113	733586	110.82	ug/mL		98
37) 4-Chloro-3-methylphenol	9.457	107	1845070	106.19	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003116.D
 Acq On : 18 Oct 2012 3:51 pm
 Operator : IBM
 Sample : CVJ0192-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

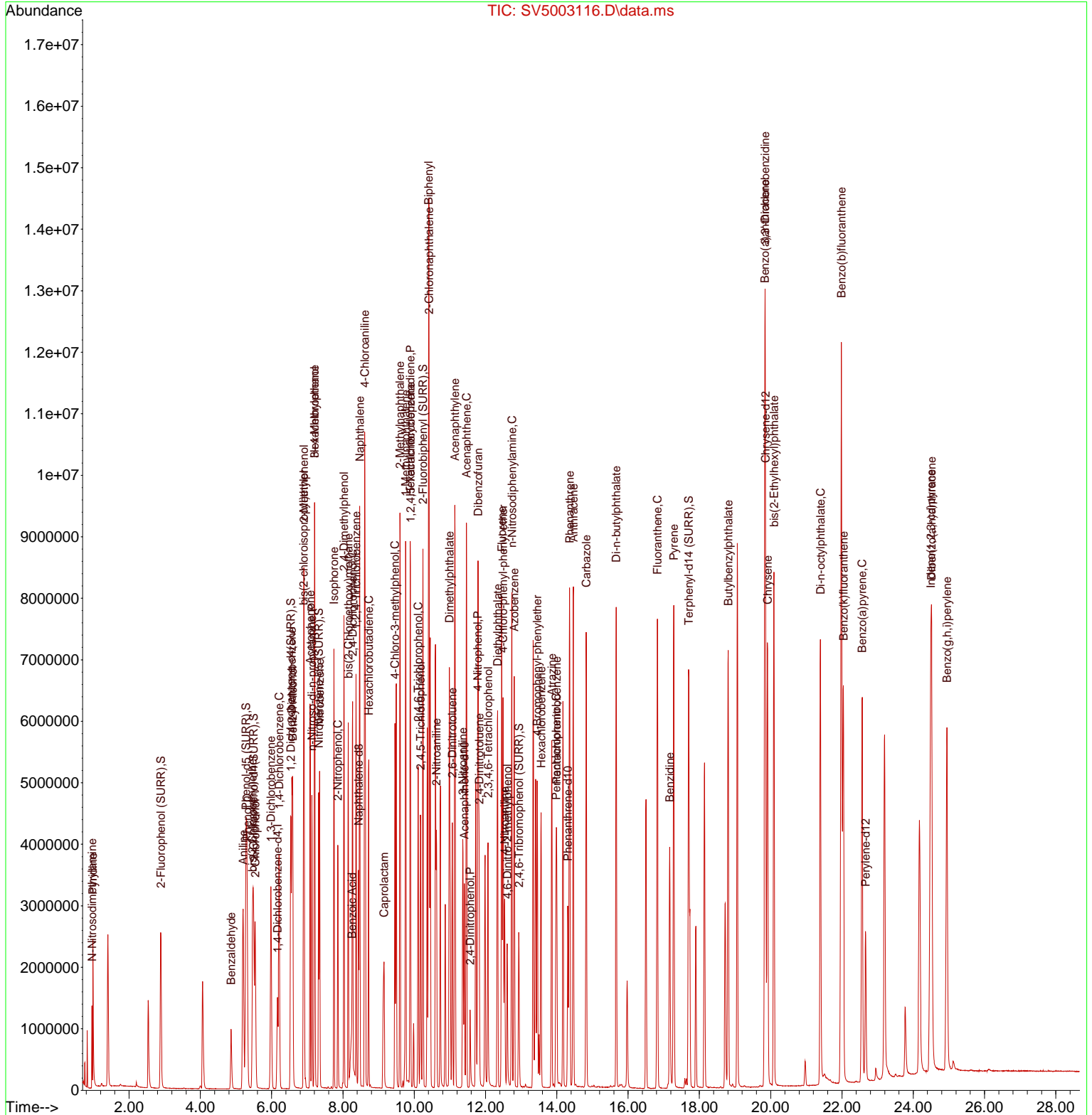
Quant Time: Oct 19 08:38:50 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:41:30 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	7228515	100.28	ng/uL	100
39) 1-Methylnaphthalene	9.757	142	6840861	97.95	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.892	216	1590059	102.11	ng/uL	100
42) Hexachlorocyclopentadiene	9.886	237	670738	171.07	ng/uL	95
43) 2,4,6-Trichlorophenol	10.110	196	1048237	107.00	ng/uL	99
44) 2,4,5-Trichlorophenol	10.174	196	1089556	110.40	ng/uL	97
46) Biphenyl	10.404	154	6402433	98.17	ng/uL	99
47) 2-Chloronaphthalene	10.416	162	3716876	98.88	ng/uL	97
48) Dimethylphthalate	10.986	163	3888048	99.58	ng/uL	100
49) Acenaphthylene	11.139	152	6870644	100.34	ng/uL	100
50) 2,6-Dinitrotoluene	11.069	165	970320	108.51	ng/uL	99
51) 2-Nitroaniline	10.621	65	1531765	105.89	ng/uL	98
52) Acenaphthene	11.463	153	5336625	97.85	ng/uL	100
53) 2,4-Dinitrophenol	11.568	184	351444	184.95	ng/uL	98
54) Dibenzofuran	11.792	168	4937960	97.80	ng/uL	92
55) 4-Nitrophenol	11.780	65	829887m	120.45	ng/uL	
56) 3-Nitroaniline	11.363	138	1192931	112.79	ng/uL	99
57) 2,4-Dinitrotoluene	11.821	165	1251485	116.92	ng/uL	95
58) Fluorene	12.457	166	8015892	101.71	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.068	232	855438	115.48	ng/uL	98
60) Diethylphthalate	12.339	149	3963404	103.11	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.492	204	1895693	100.40	ng/uL	96
63) 4-Nitroaniline	12.539	138	1161025	114.25	ng/uL	98
64) 4,6-Dinitro-2-methylph...	12.610	198	646880	174.73	ng/uL	89
65) n-Nitrosodiphenylamine	12.739	169	5821900	104.16	ng/uL	99
66) Azobenzene	12.804	77	4616551	102.72	ng/uL	97
68) 4-Bromophenyl-phenylether	13.451	248	1004796	104.01	ng/uL	94
69) Hexachlorobenzene	13.557	284	1055458	101.09	ng/uL	92
70) Atrazine	13.857	200	1041743	108.27	ug/mL	97
71) Pentachloronitrobenzene	13.992	237	379121	113.18	ng/uL	82
72) Pentachlorophenol	13.980	266	635591	150.86	ng/uL	99
73) Phenanthrene	14.357	178	6323871	99.73	ng/uL	99
74) Anthracene	14.462	178	6370599	103.66	ng/uL	86
75) Carbazole	14.827	167	6844010	103.60	ng/ul#	34
76) Di-n-butylphthalate	15.668	149	6957246	108.95	ng/uL	100
77) Fluoranthene	16.821	202	6875460	105.73	ng/uL	99
78) Benzidine	17.168	184	3489791	141.66	ng/uL	100
80) Pyrene	17.280	202	7164456	100.51	ng/uL	99
82) Butylbenzylphthalate	18.809	149	3129841	105.03	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.844	252	2245052	107.42	ng/uL	99
84) Benzo(a)anthracene	19.839	228	6293757	98.96	ng/uL	100
85) Chrysene	19.915	228	5904579	99.29	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.091	149	4270902	105.57	ng/uL	99
88) Di-n-octylphthalate	21.397	149	7373785	111.37	ng/uL	100
89) Benzo(b)fluoranthene	21.985	252	6594953	109.25	ng/uL	99
90) Benzo(k)fluoranthene	22.038	252	5807570	106.32	ng/uL	100
91) Benzo(a)pyrene	22.568	252	5754823	101.68	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	24.491	276	7448880	105.51	ng/uL	82
93) Dibenzo(a,h)anthracene	24.515	278	7378610	107.21	ng/uL	98
94) Benzo(g,h,i)perylene	24.944	276	6270507	104.12	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003116.D
 Acq On : 18 Oct 2012 3:51 pm
 Operator : IBM
 Sample : CVJ0192-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:38:50 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:41:30 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003117.D
 Acq On : 18 Oct 2012 4:24 pm
 Operator : IBM
 Sample : CVJ0192-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:40:45 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:43:02 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	608804	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.439	136	2347402	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1385142	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.309	188	2248179	40.00	ng/uL	0.00	
79) Chrysene-d12	19.856	240	2145458	40.00	ng/uL	0.01	
87) Perylene-d12	22.662	264	1937765	40.00	ng/uL	0.02	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.887	112	2215332	122.50	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 81.67%
7) Phenol-d5 (SURR)	5.275	99	2944795	122.51	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 81.67%
11) 2-Chlorophenol-d4 (SURR)	5.492	132	2477296	122.73	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 81.82%
14) 1,2 Dichlorobenzene-d4...	6.534	152	1813280	106.38	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 106.38%
24) Nitrobenzene-d5 (SURR)	7.316	82	2580240	128.29	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 128.29%
45) 2-Fluorobiphenyl (SURR)	10.245	172	6627902	123.64	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 123.64%
67) 2,4,6-Tribromophenol (...)	12.939	330	578899	140.98	ng/uL	0.01	
Spiked Amount	150.000						Recovery = 93.99%
81) Terphenyl-d14 (SURR)	17.703	244	6130930	129.11	ng/uL	0.01	
Spiked Amount	100.000						Recovery = 129.11%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.957	42	506291	117.47	ng/uL		97
3) Pyridine	0.987	79	1554750	117.47	ng/uL		94
5) Benzaldehyde	4.863	105	640704	135.79	ug/mL		96
6) bis(2-Chloroethyl)ether	5.463	63	1730449	118.18	ng/uL		99
8) 2-Chlorophenol	5.539	128	2410304	119.78	ng/uL		99
9) Phenol	5.316	94	3119519	120.31	ng/uL		97
10) Aniline	5.198	93	4181038	133.01	ng/uL		97
12) 1,3-Dichlorobenzene	5.981	146	2582485	119.35	ng/uL		94
13) 1,4-Dichlorobenzene	6.210	146	2626074	119.34	ng/uL		94
15) 1,2-Dichlorobenzene	6.569	146	2506109	120.23	ng/uL		95
16) Benzyl Alcohol	6.592	79	2103428	124.05	ng/uL		98
17) bis(2-chloroisopropyl)...	6.892	121	917140	119.63	ng/uL		98
18) 2-Methylphenol	6.904	108	4276403	121.23	ng/uL		100
19) Acetophenone	7.081	105	3307304	121.56	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.128	70	1806615	116.23	ng/uL		99
21) Hexachloroethane	7.204	117	1019069	118.82	ng/uL		99
22) 3+4-Methylphenol	7.204	108	5055429	123.81	ng/uL		97
25) Nitrobenzene	7.345	77	2721234	126.65	ng/uL		98
26) Isophorone	7.745	82	4840968	124.34	ng/uL		100
27) 2-Nitrophenol	7.857	139	1383494	139.57	ng/uL		99
28) Benzoic Acid	8.269	105	1594263m	141.47	ng/uL		
29) 2,4-Dimethylphenol	8.028	107	2454453	126.42	ng/uL#		62
30) bis(2-Chloroethoxy)met...	8.151	93	3107162	123.94	ng/uL		98
31) 2,4-Dichlorophenol	8.269	162	1943543	130.38	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.369	180	2095629	125.79	ng/uL		99
33) Naphthalene	8.469	128	8081397	119.78	ng/uL		100
34) 4-Chloroaniline	8.610	127	3685974	138.30	ng/uL		100
35) Hexachlorobutadiene	8.722	225	1027271	128.04	ng/uL		98
36) Caprolactam	9.163	113	918436	137.69	ug/mL#		73
37) 4-Chloro-3-methylphenol	9.463	107	2302871	132.39	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003117.D
 Acq On : 18 Oct 2012 4:24 pm
 Operator : IBM
 Sample : CVJ0192-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

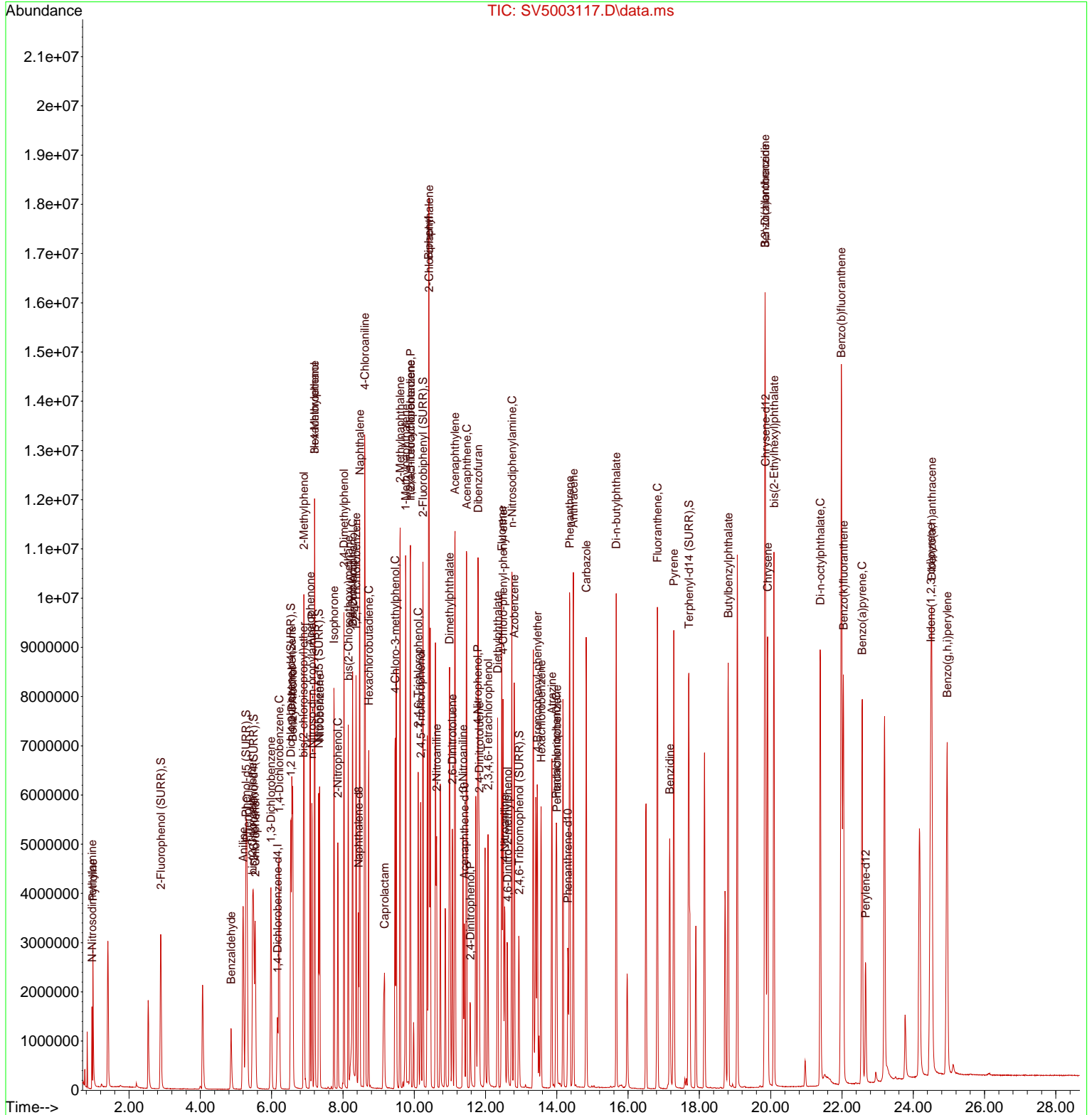
Quant Time: Oct 19 08:40:45 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:43:02 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.604	142	8971558	125.38	ng/uL	100
39) 1-Methylnaphthalene	9.757	142	8493727	122.93	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.892	216	1999450	129.01	ng/uL	98
42) Hexachlorocyclopentadiene	9.892	237	899529	205.91	ng/uL	98
43) 2,4,6-Trichlorophenol	10.110	196	1313435	133.25	ng/uL	98
44) 2,4,5-Trichlorophenol	10.180	196	1355108	135.81	ng/uL	99
46) Biphenyl	10.404	154	7925912	122.32	ng/uL	98
47) 2-Chloronaphthalene	10.416	162	4532889	121.25	ng/uL	96
48) Dimethylphthalate	10.986	163	4833113	124.34	ng/uL	100
49) Acenaphthylene	11.139	152	8547357	125.24	ng/uL	100
50) 2,6-Dinitrotoluene	11.069	165	1210667	134.27	ng/uL	99
51) 2-Nitroaniline	10.627	65	1915565	131.82	ng/uL	98
52) Acenaphthene	11.468	153	6632370	122.45	ng/uL	100
53) 2,4-Dinitrophenol	11.574	184	491658	214.23	ng/uL	93
54) Dibenzofuran	11.792	168	6151212	122.68	ng/uL	92
55) 4-Nitrophenol	11.780	65	1111553m	157.35	ng/uL	
56) 3-Nitroaniline	11.368	138	1492192	139.08	ng/uL	100
57) 2,4-Dinitrotoluene	11.821	165	1566498	143.44	ng/uL	98
58) Fluorene	12.457	166	9981436	126.82	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.068	232	1100909	145.95	ng/uL	99
60) Diethylphthalate	12.339	149	4967247	129.14	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.492	204	2363657	125.59	ng/uL	97
63) 4-Nitroaniline	12.539	138	1453676	139.81	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.615	198	842914	201.90	ng/uL	85
65) n-Nitrosodiphenylamine	12.739	169	7225752	128.16	ng/uL	99
66) Azobenzene	12.804	77	5698667	125.96	ng/uL	100
68) 4-Bromophenyl-phenylether	13.457	248	1235732	126.84	ng/uL	98
69) Hexachlorobenzene	13.557	284	1332741	127.10	ng/uL	92
70) Atrazine	13.862	200	1303633	133.54	ug/mL	99
71) Pentachloronitrobenzene	13.998	237	474160	138.13	ng/uL	96
72) Pentachlorophenol	13.980	266	844316	184.22	ng/uL	98
73) Phenanthrene	14.357	178	7868783	123.80	ng/uL	100
74) Anthracene	14.462	178	7934127	128.08	ng/uL	87
75) Carbazole	14.827	167	8542140	128.29	ng/uL#	34
76) Di-n-butylphthalate	15.668	149	8553043	131.88	ng/uL	100
77) Fluoranthene	16.821	202	8599999	130.81	ng/uL	99
78) Benzidine	17.168	184	4526139	171.32	ng/uL	100
80) Pyrene	17.286	202	8933064	126.22	ng/uL	100
82) Butylbenzylphthalate	18.809	149	3934448	132.13	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.844	252	2827100	134.91	ng/uL	99
84) Benzo(a)anthracene	19.844	228	7898674	125.37	ng/uL	100
85) Chrysene	19.915	228	7415517	125.81	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.091	149	5343539	132.08	ng/uL	98
88) Di-n-octylphthalate	21.391	149	9206392	137.09	ng/uL	100
89) Benzo(b)fluoranthene	21.980	252	8060918	132.05	ng/uL	99
90) Benzo(k)fluoranthene	22.038	252	6839235	124.33	ng/uL	100
91) Benzo(a)pyrene	22.568	252	7354435	129.89	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.491	276	9481582	133.52	ng/uL	88
93) Dibenzo(a,h)anthracene	24.521	278	9333105	134.49	ng/uL	98
94) Benzo(g,h,i)perylene	24.950	276	7979644	131.98	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003117.D
 Acq On : 18 Oct 2012 4:24 pm
 Operator : IBM
 Sample : CVJ0192-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:40:45 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:43:02 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003118.D
 Acq On : 18 Oct 2012 4:57 pm
 Operator : IBM
 Sample : CVJ0192-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:42:41 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:44:56 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	619010	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.439	136	2370636	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1403804	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.315	188	2270862	40.00	ng/uL	0.01	
79) Chrysene-d12	19.862	240	2217095	40.00	ng/uL	0.02	
87) Perylene-d12	22.668	264	1957591	40.00	ng/uL	0.02	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.887	112	2675011	145.84	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 97.23%
7) Phenol-d5 (SURR)	5.281	99	3529997	144.79	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 96.53%
11) 2-Chlorophenol-d4 (SURR)	5.492	132	2968410	144.97	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 96.65%
14) 1,2 Dichlorobenzene-d4...	6.533	152	2170576	127.61	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 127.61%
24) Nitrobenzene-d5 (SURR)	7.316	82	3090723	151.67	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 151.67%
45) 2-Fluorobiphenyl (SURR)	10.245	172	7947743m	146.49	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 146.49%
67) 2,4,6-Tribromophenol (...)	12.939	330	705294	166.99	ng/uL	0.01	
Spiked Amount	150.000						Recovery = 111.33%
81) Terphenyl-d14 (SURR)	17.703	244	7445642	151.11	ng/uL	0.01	
Spiked Amount	100.000						Recovery = 151.11%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.957	42	609476	140.29	ng/uL		97
3) Pyridine	0.987	79	1873450	140.27	ng/uL		94
5) Benzaldehyde	4.863	105	791084	162.89	ug/mL		100
6) bis(2-Chloroethyl)ether	5.469	63	2082055	140.80	ng/uL		99
8) 2-Chlorophenol	5.539	128	2884574	141.73	ng/uL		99
9) Phenol	5.316	94	3743901	142.68	ng/uL		97
10) Aniline	5.198	93	5026059	156.01	ng/uL		74
12) 1,3-Dichlorobenzene	5.980	146	3109182	142.12	ng/uL		99
13) 1,4-Dichlorobenzene	6.210	146	3137979	141.05	ng/uL		94
15) 1,2-Dichlorobenzene	6.569	146	2994642	141.98	ng/uL		99
16) Benzyl Alcohol	6.592	79	2529614	146.87	ng/uL		99
17) bis(2-chloroisopropyl)...	6.898	121	1093909	141.09	ng/uL		92
18) 2-Methylphenol	6.904	108	5125238	143.44	ng/uL		100
19) Acetophenone	7.080	105	3977868	144.29	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.133	70	2160119	137.89	ng/uL		97
21) Hexachloroethane	7.204	117	1215095	140.21	ng/uL		98
22) 3+4-Methylphenol	7.204	108	6023826	145.27	ng/uL		96
25) Nitrobenzene	7.345	77	3244049	149.26	ng/uL		99
26) Isophorone	7.751	82	5794325	147.47	ng/uL		97
27) 2-Nitrophenol	7.857	139	1647779	162.24	ng/uL		99
28) Benzoic Acid	8.280	105	2081688m	179.54	ng/uL		
29) 2,4-Dimethylphenol	8.027	107	2951959	150.34	ng/uL#		63
30) bis(2-Chloroethoxy)met...	8.151	93	3709984	146.69	ng/uL		98
31) 2,4-Dichlorophenol	8.269	162	2345811	154.99	ng/uL		96
32) 1,2,4-Trichlorobenzene	8.369	180	2512878	149.24	ng/uL		99
33) Naphthalene	8.469	128	9593904	141.55	ng/uL#		57
34) 4-Chloroaniline	8.610	127	4435926	162.64	ng/uL		99
35) Hexachlorobutadiene	8.721	225	1240679	152.66	ng/uL		99
36) Caprolactam	9.174	113	1114612	163.39	ug/mL#		73
37) 4-Chloro-3-methylphenol	9.463	107	2778582	157.02	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003118.D
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 Operator : IBM
 Sample : CVJ0192-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

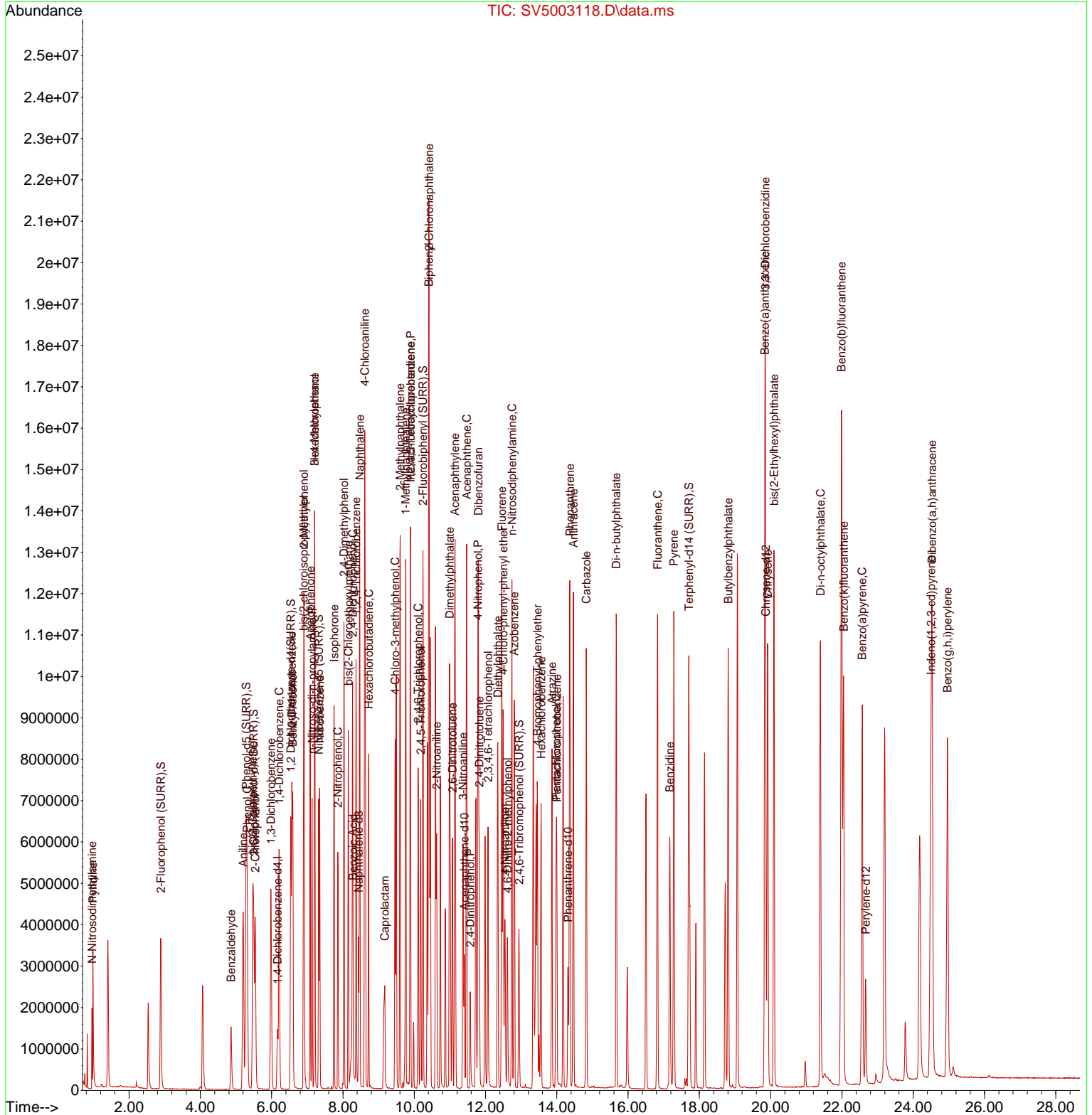
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 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:44:56 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.604	142	10773770	149.03	ng/uL	100
39) 1-Methylnaphthalene	9.757	142	10175058	146.12	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.892	216	2414197	153.63	ng/uL	99
42) Hexachlorocyclopentadiene	9.892	237	1120458	231.65	ng/uL	96
43) 2,4,6-Trichlorophenol	10.110	196	1600605	158.92	ng/uL	98
44) 2,4,5-Trichlorophenol	10.180	196	1656874	162.10	ng/uL	96
46) Biphenyl	10.410	154	9502764	145.09	ng/uL	99
47) 2-Chloronaphthalene	10.416	162	5323421	141.03	ng/uL	94
48) Dimethylphthalate	10.992	163	5850166	148.60	ng/uL	100
49) Acenaphthylene	11.139	152	10143144	146.61	ng/uL	100
50) 2,6-Dinitrotoluene	11.074	165	1455396	157.81	ng/uL	98
51) 2-Nitroaniline	10.627	65	2289296	154.39	ng/uL	98
52) Acenaphthene	11.468	153	7998878	146.09	ng/uL	100
53) 2,4-Dinitrophenol	11.574	184	654542	246.26	ng/uL	93
54) Dibenzofuran	11.798	168	7329466	144.57	ng/uL	95
55) 4-Nitrophenol	11.786	65	1322563m	178.94	ng/uL	
56) 3-Nitroaniline	11.368	138	1796907	162.96	ng/uL	100
57) 2,4-Dinitrotoluene	11.821	165	1898095	168.39	ng/uL	97
58) Fluorene	12.457	166	11997458	150.14	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.068	232	1333889	170.91	ng/uL	99
60) Diethylphthalate	12.345	149	5930824	151.52	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.498	204	2854140	149.55	ng/uL	95
63) 4-Nitroaniline	12.545	138	1755419	164.70	ng/uL	99
64) 4,6-Dinitro-2-methylph...	12.615	198	1063695	231.86	ng/uL	88
65) n-Nitrosodiphenylamine	12.739	169	8706565	152.40	ng/uL	99
66) Azobenzene	12.804	77	6807362	148.82	ng/uL	98
68) 4-Bromophenyl-phenylether	13.456	248	1494722	151.61	ng/uL	97
69) Hexachlorobenzene	13.556	284	1601794	150.92	ng/uL	93
70) Atrazine	13.862	200	1566469	157.51	ug/mL	98
71) Pentachloronitrobenzene	13.998	237	576129	163.70	ng/uL	95
72) Pentachlorophenol	13.980	266	1034061	209.21	ng/uL	99
73) Phenanthrene	14.362	178	9409537	146.74	ng/uL	100
74) Anthracene	14.462	178	9562736	152.36	ng/uL	87
75) Carbazole	14.827	167	10266715	152.14	ng/ul#	34
76) Di-n-butylphthalate	15.668	149	10312953	156.36	ng/uL	100
77) Fluoranthene	16.827	202	10360074	155.10	ng/uL	100
78) Benzidine	17.168	184	5483003	195.14	ng/uL	99
80) Pyrene	17.286	202	10743103	146.71	ng/uL	99
82) Butylbenzylphthalate	18.809	149	4718735	152.26	ng/uL	99
83) 3,3'-Dichlorobenzidine	19.850	252	3433567	157.00	ng/uL	98
84) Benzo(a)anthracene	19.838	228	9619767	147.70	ng/uL	100
85) Chrysene	19.915	228	8791244	144.22	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.091	149	6486489	154.06	ng/uL	98
88) Di-n-octylphthalate	21.397	149	11174194	162.74	ng/uL	100
89) Benzo(b)fluoranthene	21.985	252	10171304	163.78	ng/uL	99
90) Benzo(k)fluoranthene	22.044	252	8701262	156.68	ng/uL	100
91) Benzo(a)pyrene	22.568	252	8926866	155.31	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	24.497	276	11605296	160.40	ng/uL	88
93) Dibenzo(a,h)anthracene	24.526	278	11352873	160.41	ng/uL	97
94) Benzo(g,h,i)perylene	24.962	276	9740682	158.37	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003118.D
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 Operator : IBM
 Sample : CVJ0192-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:42:41 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:44:56 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003119.D
 Acq On : 18 Oct 2012 5:31 pm
 Operator : IBM
 Sample : CVJ0192-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:56:35 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:46:59 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	612433	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.439	136	2303264	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.410	164	1369538	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.315	188	2210828	40.00	ng/uL	0.01	
79) Chrysene-d12	19.862	240	2159582	40.00	ng/uL	0.02	
87) Perylene-d12	22.662	264	1939711	40.00	ng/uL	0.02	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.887	112	3488831	192.85	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 128.57%
7) Phenol-d5 (SURR)	5.281	99	4599488	191.43	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 127.62%
11) 2-Chlorophenol-d4 (SURR)	5.498	132	3893087	192.89	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 128.59%
14) 1,2 Dichlorobenzene-d4...	6.539	152	2844530	171.88	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 171.88%
24) Nitrobenzene-d5 (SURR)	7.316	82	4035248	203.56	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 203.56%
45) 2-Fluorobiphenyl (SURR)	10.251	172	10338575m	195.83	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 195.83%
67) 2,4,6-Tribromophenol (...)	12.945	330	948748	227.51	ng/uL	0.02	
Spiked Amount	150.000						Recovery = 151.67%
81) Terphenyl-d14 (SURR)	17.703	244	9745880	202.90	ng/uL	0.01	
Spiked Amount	100.000						Recovery = 202.90%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.957	42	792080	185.78	ng/uL		96
3) Pyridine	0.987	79	2422621	184.66	ng/uL		95
5) Benzaldehyde	4.863	105	982165	202.24	ug/mL		100
6) bis(2-Chloroethyl)ether	5.475	63	2682727	184.63	ng/uL		98
8) 2-Chlorophenol	5.545	128	3758972	187.83	ng/uL		98
9) Phenol	5.322	94	4823708	186.82	ng/uL		98
10) Aniline	5.204	93	6483172	202.50	ng/uL		97
12) 1,3-Dichlorobenzene	5.981	146	4054361	188.42	ng/uL		100
13) 1,4-Dichlorobenzene	6.210	146	4139633	189.32	ng/uL		94
15) 1,2-Dichlorobenzene	6.569	146	3878037	186.94	ng/uL		99
16) Benzyl Alcohol	6.598	79	3297413	193.95	ng/uL		98
17) bis(2-chloroisopropyl)...	6.892	121	1429675	187.61	ng/uL		94
18) 2-Methylphenol	6.910	108	6699366	190.43	ng/uL		100
19) Acetophenone	7.081	105	5189420	191.07	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.134	70	2797725	182.15	ng/uL		99
21) Hexachloroethane	7.204	117	1594127	187.28	ng/uL		98
22) 3+4-Methylphenol	7.210	108	7828328	191.48	ng/uL		96
25) Nitrobenzene	7.351	77	4225081	200.19	ng/uL		98
26) Isophorone	7.751	82	7451623	195.56	ng/uL		97
27) 2-Nitrophenol	7.863	139	2165849	217.52	ng/uL		94
28) Benzoic Acid	8.304	105	2828627m	245.06	ng/uL		
29) 2,4-Dimethylphenol	8.033	107	3815922	199.97	ng/uL#		63
30) bis(2-Chloroethoxy)met...	8.151	93	4786273	195.26	ng/uL		98
31) 2,4-Dichlorophenol	8.269	162	3066365	207.76	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.369	180	3282208	200.74	ng/uL		99
33) Naphthalene	8.469	128	12234647	186.96	ng/uL#		58
34) 4-Chloroaniline	8.610	127	5772533	215.82	ng/uL		98
35) Hexachlorobutadiene	8.722	225	1628176	205.80	ng/uL		99
36) Caprolactam	9.192	113	1465155	218.89	ug/mL#		72
37) 4-Chloro-3-methylphenol	9.463	107	3623638	209.67	ng/uL		99

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003119.D
 Acq On : 18 Oct 2012 5:31 pm
 Operator : IBM
 Sample : CVJ0192-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

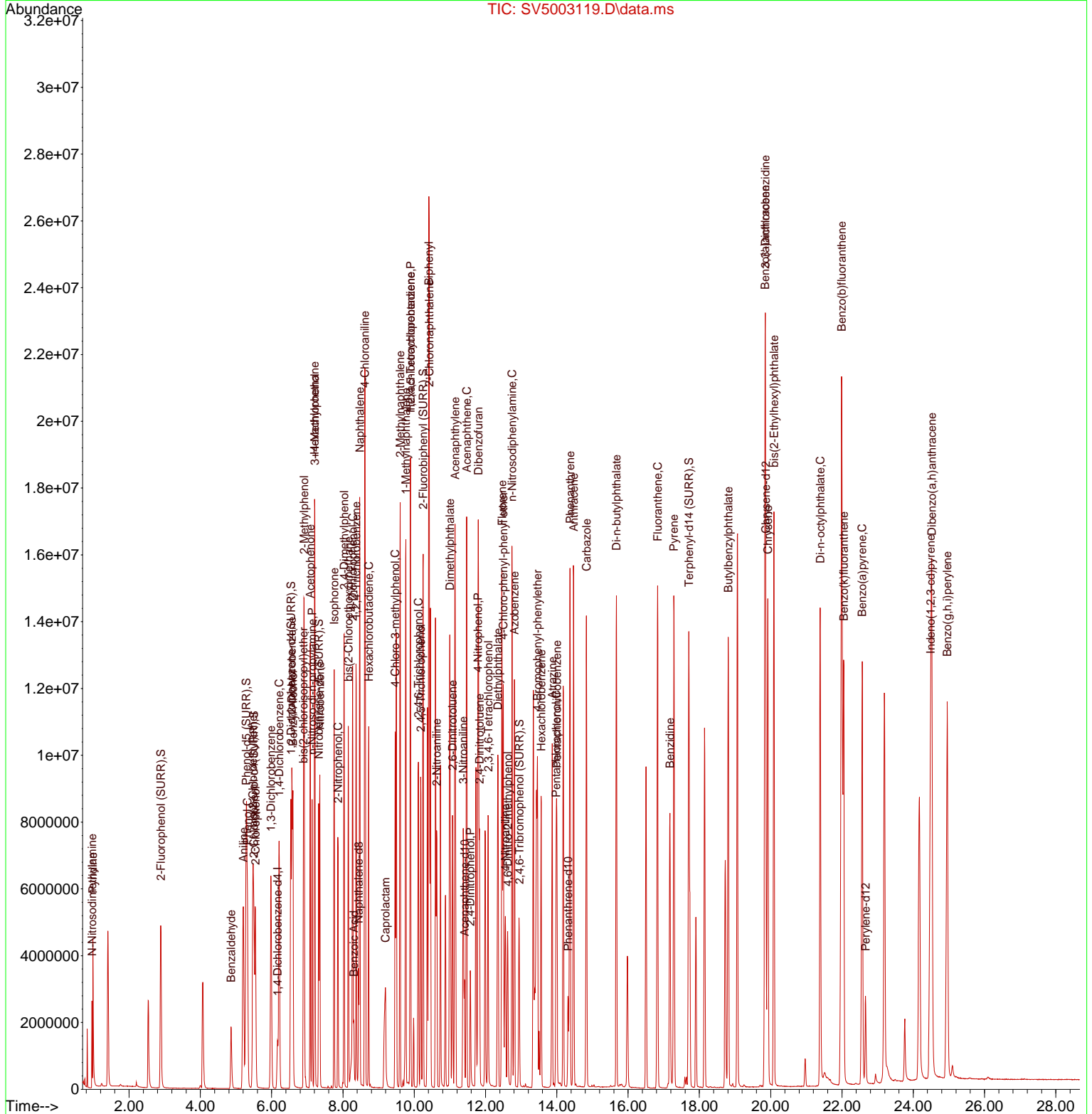
Quant Time: Oct 19 08:56:35 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:46:59 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.604	142	13827356	197.00	ng/uL	100
39) 1-Methylnaphthalene	9.763	142	13161644	195.10	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.892	216	3187841	208.23	ng/uL	98
42) Hexachlorocyclopentadiene	9.892	237	1549204	307.39	ng/uL	97
43) 2,4,6-Trichlorophenol	10.116	196	2108332	213.15	ng/uL	98
44) 2,4,5-Trichlorophenol	10.180	196	2191467	217.81	ng/uL	97
46) Biphenyl	10.410	154	12316314	193.46	ng/uL	98
47) 2-Chloronaphthalene	10.422	162	7326486	200.28	ng/uL	98
48) Dimethylphthalate	10.998	163	7560774	197.06	ng/uL	100
49) Acenaphthylene	11.145	152	13023819m	193.45	ng/uL	
50) 2,6-Dinitrotoluene	11.074	165	1910738	211.14	ng/uL	100
51) 2-Nitroaniline	10.627	65	2999681	206.69	ng/uL	100
52) Acenaphthene	11.469	153	10359341	194.50	ng/uL	99
53) 2,4-Dinitrophenol	11.574	184	942792	328.45	ng/uL	95
54) Dibenzofuran	11.798	168	9471883	192.28	ng/uL	89
55) 4-Nitrophenol	11.786	65	1757186	238.58	ng/uL	95
56) 3-Nitroaniline	11.374	138	2385258	219.63	ng/uL	99
57) 2,4-Dinitrotoluene	11.827	165	2473039	221.86	ng/uL	97
58) Fluorene	12.463	166	15592642	199.99	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.074	232	1789817	231.48	ng/uL	98
60) Diethylphthalate	12.345	149	7769689	203.23	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.498	204	3746931	201.31	ng/uL	99
63) 4-Nitroaniline	12.557	138	2304798	219.73	ng/uL	97
64) 4,6-Dinitro-2-methylph...	12.621	198	1441255	302.09	ng/uL	88
65) n-Nitrosodiphenylamine	12.745	169	11338524	203.49	ng/uL	99
66) Azobenzene	12.810	77	8792804	197.62	ng/uL	97
68) 4-Bromophenyl-phenylether	13.457	248	1985779	206.64	ng/uL	97
69) Hexachlorobenzene	13.557	284	2129804	205.97	ng/uL	92
70) Atrazine	13.874	200	2054294	211.00	ug/mL	98
71) Pentachloronitrobenzene	13.998	237	769961	222.18	ng/uL#	78
72) Pentachlorophenol	13.980	266	1449313	287.02	ng/uL	98
73) Phenanthrene	14.368	178	12211167	196.07	ng/uL	100
74) Anthracene	14.474	178	12454356	203.46	ng/uL	87
75) Carbazole	14.833	167	13325922	202.52	ng/ul#	35
76) Di-n-butylphthalate	15.674	149	13326513	206.56	ng/uL	100
77) Fluoranthene	16.827	202	13501346	206.84	ng/uL	98
78) Benzidine	17.174	184	7211864	254.08	ng/uL	100
80) Pyrene	17.286	202	14006217	196.85	ng/uL	98
82) Butylbenzylphthalate	18.809	149	6211057	205.41	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.850	252	4496876	210.01	ng/uL	98
84) Benzo(a)anthracene	19.844	228	12540039	198.00	ng/uL	99
85) Chrysene	19.921	228	11632492	196.75	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.091	149	8488431	206.36	ng/uL	98
88) Di-n-octylphthalate	21.391	149	14512567	211.32	ng/uL	100
89) Benzo(b)fluoranthene	21.991	252	13909982	223.76	ng/uL	99
90) Benzo(k)fluoranthene	22.050	252	10919024	197.45	ng/uL	100
91) Benzo(a)pyrene	22.568	252	11766318	205.79	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	24.485	276	15855721	219.48	ng/uL	100
93) Dibenzo(a,h)anthracene	24.521	278	15508971	219.46	ng/uL	98
94) Benzo(g,h,i)perylene	24.956	276	13366675	217.98	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003119.D
 Acq On : 18 Oct 2012 5:31 pm
 Operator : IBM
 Sample : CVJ0192-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:56:35 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:46:59 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003120.D
 Acq On : 18 Oct 2012 6:04 pm
 Operator : IBM
 Sample : CVJ0192-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:56:57 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:48:41 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	613453	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.439	136	2267013	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.410	164	1342195	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.321	188	2191411	40.00	ng/uL	0.02	
79) Chrysene-d12	19.868	240	2158491	40.00	ng/uL	0.02	
87) Perylene-d12	22.674	264	1958857	40.00	ng/uL	0.03	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.887	112	4290476	237.62	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 158.41%
7) Phenol-d5 (SURR)	5.286	99	5626680	234.80	ng/uL	0.01	
Spiked Amount	150.000						Recovery = 156.53%
11) 2-Chlorophenol-d4 (SURR)	5.498	132	4786562	237.61	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 158.41%
14) 1,2 Dichlorobenzene-d4...	6.539	152	3526113	215.75	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 215.75%
24) Nitrobenzene-d5 (SURR)	7.322	82	4949233	253.21	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 253.21%
45) 2-Fluorobiphenyl (SURR)	10.251	172	12620965m	244.44	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 244.44%
67) 2,4,6-Tribromophenol (...)	12.945	330	1194028	284.52	ng/uL	0.02	
Spiked Amount	150.000						Recovery = 189.68%
81) Terphenyl-d14 (SURR)	17.709	244	12104864	251.77	ng/uL	0.02	
Spiked Amount	100.000						Recovery = 251.77%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.957	42	984933	232.47	ng/uL		96
3) Pyridine	0.987	79	2975636	228.19	ng/uL		99
5) Benzaldehyde	4.863	105	1100381	225.92	ug/mL		100
6) bis(2-Chloroethyl)ether	5.475	63	3280428	227.14	ng/uL		98
8) 2-Chlorophenol	5.545	128	4638394	232.80	ng/uL		99
9) Phenol	5.328	94	5955742	231.81	ng/uL		98
10) Aniline	5.204	93	7920269	246.66	ng/uL		99
12) 1,3-Dichlorobenzene	5.981	146	5032671	234.86	ng/uL		100
13) 1,4-Dichlorobenzene	6.210	146	5061784	232.35	ng/uL		95
15) 1,2-Dichlorobenzene	6.569	146	4767575	230.95	ng/uL		95
16) Benzyl Alcohol	6.598	79	4084562	240.58	ng/uL		98
17) bis(2-chloroisopropyl)...	6.898	121	1763271	232.44	ng/uL		88
18) 2-Methylphenol	6.910	108	8179526	233.23	ng/uL		100
19) Acetophenone	7.086	105	6268225	231.44	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.139	70	3449228	226.21	ng/uL		97
21) Hexachloroethane	7.204	117	1972515	232.83	ng/uL		97
22) 3+4-Methylphenol	7.210	108	9527885	233.66	ng/uL		96
25) Nitrobenzene	7.351	77	5180788	249.37	ng/uL		97
26) Isophorone	7.751	82	9066667	242.29	ng/uL		97
27) 2-Nitrophenol	7.863	139	2715214	274.65	ng/uL		94
28) Benzoic Acid	8.322	105	3401892m	292.13	ng/uL		
29) 2,4-Dimethylphenol	8.033	107	4672894	248.80	ng/uL#		63
30) bis(2-Chloroethoxy)met...	8.157	93	5850678	243.08	ng/uL		99
31) 2,4-Dichlorophenol	8.269	162	3766749	258.29	ng/uL		97
32) 1,2,4-Trichlorobenzene	8.374	180	4037732	250.81	ng/uL		99
33) Naphthalene	8.474	128	13973070	218.36	ng/uL#		56
34) 4-Chloroaniline	8.616	127	7007901	264.10	ng/uL		98
35) Hexachlorobutadiene	8.722	225	2032085	260.20	ng/uL		98
36) Caprolactam	9.216	113	1820085	273.68	ug/mL#		73
37) 4-Chloro-3-methylphenol	9.469	107	4458232	260.83	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003120.D
 Acq On : 18 Oct 2012 6:04 pm
 Operator : IBM
 Sample : CVJ0192-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

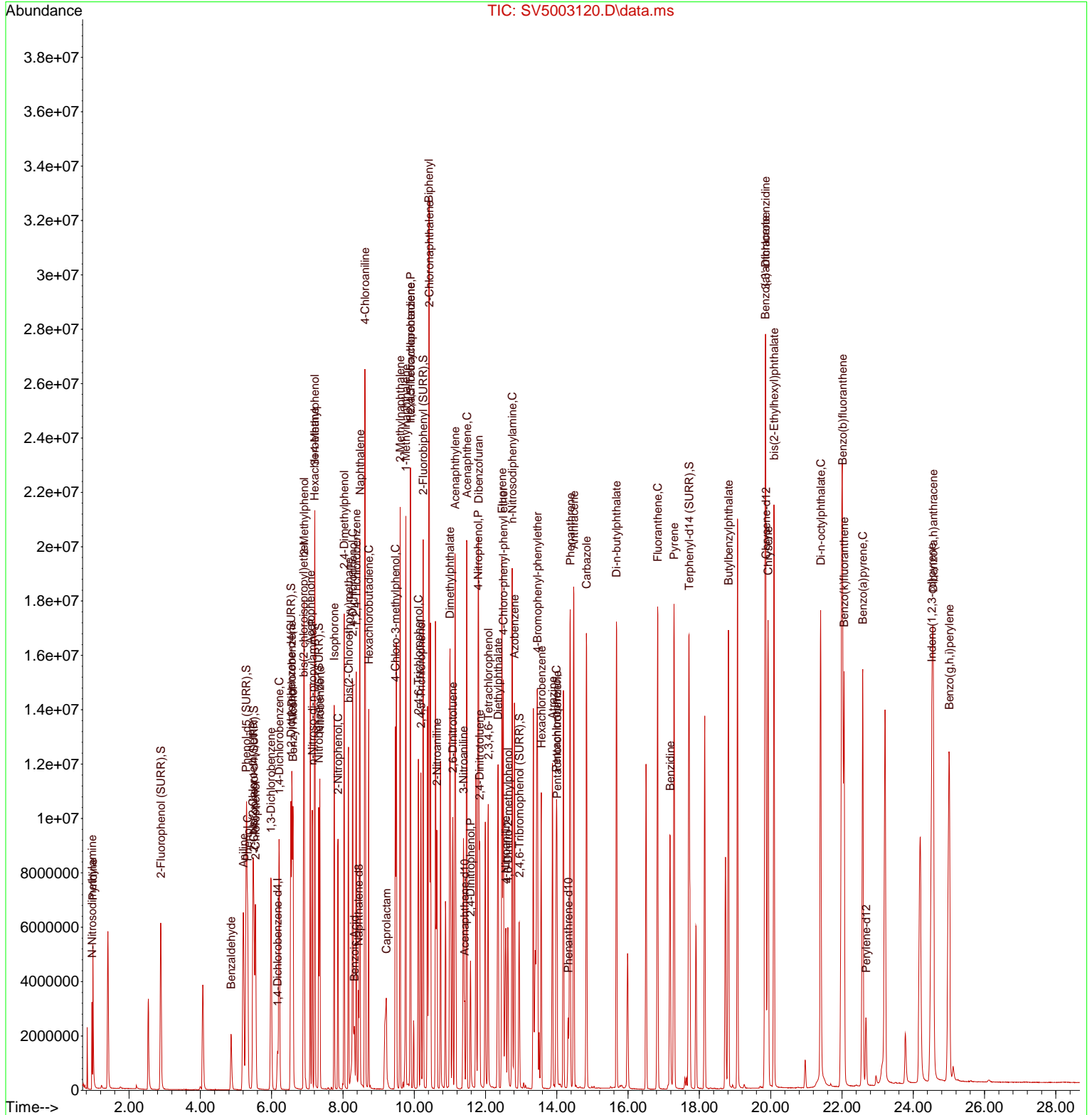
Quant Time: Oct 19 08:56:57 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:48:41 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.604	142	16897967	244.97	ng/uL	99
39) 1-Methylnaphthalene	9.763	142	16101488	243.09	ng/uL	99
40) 1,2,4,5-Tetrachloroben...	9.892	216	3956613	261.51	ng/uL	99
42) Hexachlorocyclopentadiene	9.892	237	1915719	366.02	ng/uL	97
43) 2,4,6-Trichlorophenol	10.116	196	2639851	270.55	ng/uL	97
44) 2,4,5-Trichlorophenol	10.186	196	2743359	275.76	ng/uL	100
46) Biphenyl	10.410	154	14866418	239.05	ng/uL	97
47) 2-Chloronaphthalene	10.421	162	8665000	241.66	ng/uL	93
48) Dimethylphthalate	10.998	163	9190507	244.78	ng/uL	100
49) Acenaphthylene	11.145	152	15817282m	266.23	ng/uL	
50) 2,6-Dinitrotoluene	11.080	165	2380780	266.95	ng/uL	97
51) 2-Nitroaniline	10.633	65	3680207	257.88	ng/uL	99
52) Acenaphthene	11.474	153	12721076	244.38	ng/uL	100
53) 2,4-Dinitrophenol	11.580	184	1266162	412.27	ng/uL	93
54) Dibenzofuran	11.804	168	11542799	240.02	ng/uL	89
55) 4-Nitrophenol	11.792	65	2234051m	303.65	ng/uL	
56) 3-Nitroaniline	11.380	138	2934708	273.04	ng/uL	98
57) 2,4-Dinitrotoluene	11.833	165	3097344	280.47	ng/uL	95
58) Fluorene	12.462	166	19161427	250.77	ng/uL	99
59) 2,3,4,6-Tetrachlorophenol	12.074	232	2227601	289.41	ng/uL	98
60) Diethylphthalate	12.351	149	9559719	254.74	ng/uL	99
61) 4-Chloro-phenyl-phenyl...	12.498	204	4600835	252.06	ng/uL	97
63) 4-Nitroaniline	12.568	138	2840855	270.56	ng/uL	96
64) 4,6-Dinitro-2-methylph...	12.627	198	1829681	366.13	ng/uL	96
65) n-Nitrosodiphenylamine	12.751	169	14009679	253.22	ng/uL	98
66) Azobenzene	12.810	77	10674159	242.31	ng/uL	97
68) 4-Bromophenyl-phenylether	13.457	248	2481860	259.69	ng/uL	94
69) Hexachlorobenzene	13.562	284	2652107	257.99	ng/uL	94
70) Atrazine	13.880	200	2496483	257.28	ug/mL	94
71) Pentachloronitrobenzene	14.004	237	953786	274.28	ng/uL	89
72) Pentachlorophenol	13.986	266	1862818	355.02	ng/uL	99
73) Phenanthrene	14.374	178	14998710	243.44	ng/uL	100
74) Anthracene	14.480	178	15137604	249.06	ng/uL	87
75) Carbazole	14.833	167	16335136	250.14	ng/uL#	35
76) Di-n-butylphthalate	15.674	149	15372349	239.59	ng/uL	100
77) Fluoranthene	16.827	202	16409487	252.76	ng/uL	96
78) Benzidine	17.180	184	8653312	298.60	ng/uL	100
80) Pyrene	17.292	202	17162642	241.71	ng/uL	98
82) Butylbenzylphthalate	18.815	149	7641999	252.17	ng/uL	91
83) 3,3'-Dichlorobenzidine	19.856	252	5600243	260.36	ng/uL	98
84) Benzo(a)anthracene	19.850	228	15523392	245.48	ng/uL	99
85) Chrysene	19.927	228	14257518	241.67	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.091	149	10425709	252.78	ng/uL	96
88) Di-n-octylphthalate	21.403	149	18157307	260.33	ng/uL	100
89) Benzo(b)fluoranthene	22.015	252	17544994	276.20	ng/uL	99
90) Benzo(k)fluoranthene	22.062	252	13665293m	245.01	ng/uL	
91) Benzo(a)pyrene	22.585	252	14927247	257.77	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	24.520	276	20345931	276.19	ng/uL	83
93) Dibenzo(a,h)anthracene	24.556	278	19914005	276.35	ng/uL	97
94) Benzo(g,h,i)perylene	25.009	276	17260100	276.24	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003120.D
 Acq On : 18 Oct 2012 6:04 pm
 Operator : IBM
 Sample : CVJ0192-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:56:57 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:48:41 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003121.D
 Acq On : 18 Oct 2012 6:37 pm
 Operator : IBM
 Sample : CVJ0192-SCV1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:06:49 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	577116	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.433	136	2302484	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1373736	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.309	188	2220355	40.00	ng/uL	0.00	
79) Chrysene-d12	19.856	240	2155545	40.00	ng/uL	0.01	
87) Perylene-d12	22.656	264	1965020	40.00	ng/uL	0.01	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.887	112	839958	49.67	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.11%
7) Phenol-d5 (SURR)	5.275	99	1126202	50.23	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.49%
11) 2-Chlorophenol-d4 (SURR)	5.486	132	954049	50.57	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 33.71%
14) 1,2 Dichlorobenzene-d4...	6.533	152	708579	50.13	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 50.13%
24) Nitrobenzene-d5 (SURR)	7.316	82	992274	49.93	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 49.93%
45) 2-Fluorobiphenyl (SURR)	10.239	172	2618249	49.65	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 49.65%
67) 2,4,6-Tribromophenol (...)	12.933	330	212789	49.36	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 32.91%
81) Terphenyl-d14 (SURR)	17.697	244	2439440	50.78	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 50.78%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.957	42	185607	46.89	ng/uL		100
3) Pyridine	0.993	79	578655	47.55	ng/uL		93
5) Benzaldehyde	4.863	105	382056	84.19	ug/mL		99
6) bis(2-Chloroethyl)ether	5.463	63	662813	49.19	ng/uL		98
8) 2-Chlorophenol	5.534	128	945722	50.77	ng/uL		98
9) Phenol	5.310	94	1207714	50.30	ng/uL		83
10) Aniline	5.192	93	1417864	46.99	ng/uL		75
12) 1,3-Dichlorobenzene	5.981	146	1001565	49.96	ng/uL		98
13) 1,4-Dichlorobenzene	6.204	146	1017844	49.98	ng/uL		94
15) 1,2-Dichlorobenzene	6.569	146	977764	50.70	ng/uL		96
16) Benzyl Alcohol	6.586	79	793463	49.85	ng/uL		95
17) bis(2-chloroisopropyl)...	6.910	121	345934	48.79	ng/uL		100
18) 2-Methylphenol	6.904	108	1644185	50.14	ng/uL		100
19) Acetophenone	7.075	105	1295864	51.20	ng/uL		100
20) n-Nitroso-di-n-propyla...	7.128	70	690564	50.12	ng/uL		99
21) Hexachloroethane	7.204	117	397065	50.13	ng/uL		97
22) 3+4-Methylphenol	7.204	108	3937984	103.27	ng/uL		96
25) Nitrobenzene	7.345	77	1070554	50.75	ng/uL		100
26) Isophorone	7.745	82	1763999	46.54	ng/uL		100
27) 2-Nitrophenol	7.857	139	516803	51.01	ng/uL		98
28) Benzoic Acid	8.216	105	546298	45.24	ng/uL		95
29) 2,4-Dimethylphenol	8.027	107	961287	50.42	ng/uL		97
30) bis(2-Chloroethoxy)met...	8.145	93	1206874	49.49	ng/uL		99
31) 2,4-Dichlorophenol	8.269	162	753737	50.74	ng/uL		95
32) 1,2,4-Trichlorobenzene	8.369	180	797669	48.77	ng/uL		99
33) Naphthalene	8.469	128	3288355	51.19	ng/uL		100
34) 4-Chloroaniline	8.604	127	1102143	40.69	ng/uL		99
35) Hexachlorobutadiene	8.722	225	394653	49.57	ng/uL		97
36) Caprolactam	9.127	113	354648	52.06	ug/mL#		73
37) 4-Chloro-3-methylphenol	9.457	107	874710	50.19	ng/uL		100

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003121.D
 Acq On : 18 Oct 2012 6:37 pm
 Operator : IBM
 Sample : CVJ0192-SCV1
 Misc :
 ALS Vial : 14 Sample Multiplier: 1
 InstName : SVOAMS5

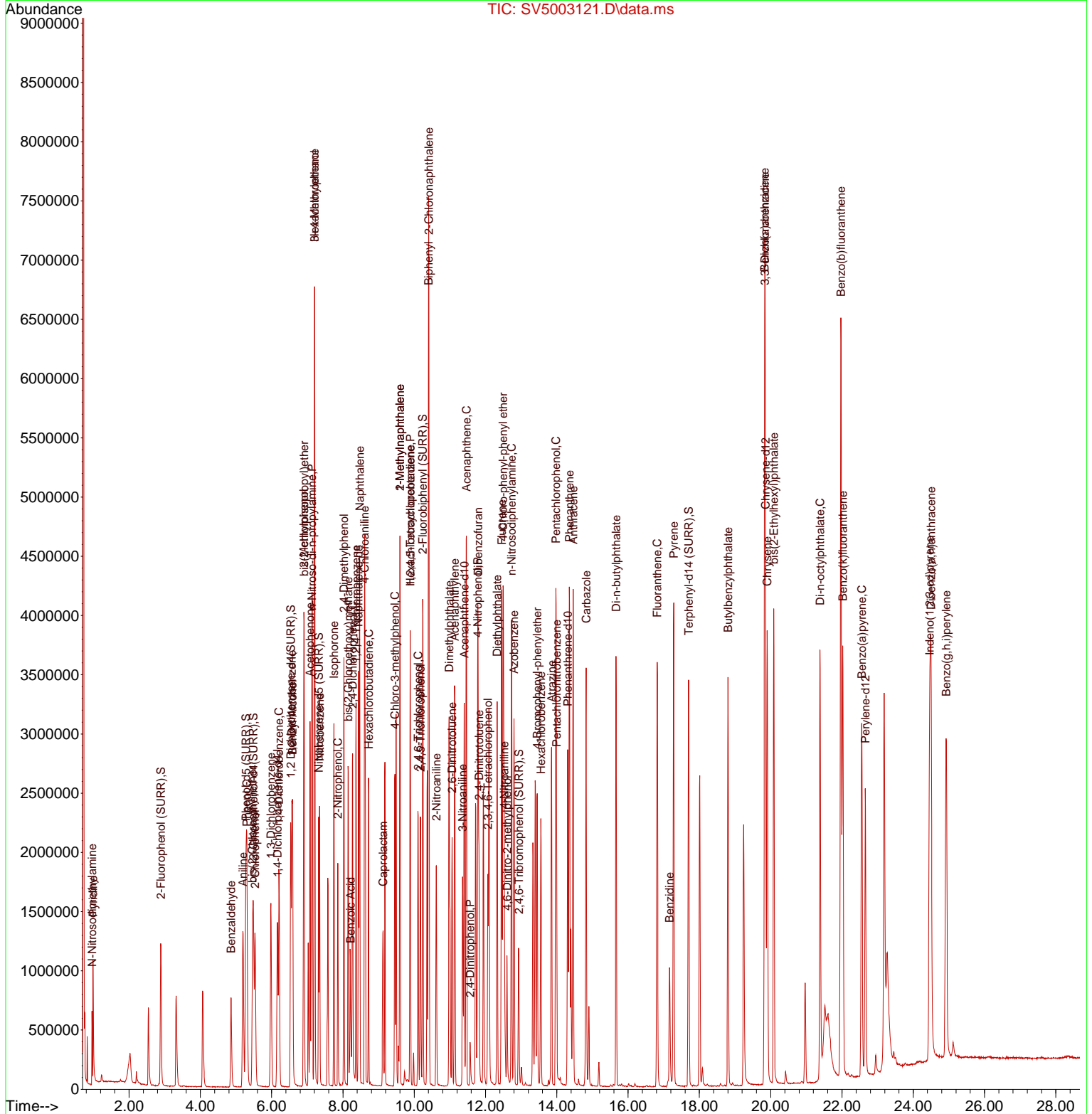
Quant Time: Oct 19 09:06:49 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	3485760	49.85	ng/uL	100
39) 1-Methylnaphthalene	9.598	142	3482480	51.90	ng/uL	98
40) 1,2,4,5-Tetrachloroben...	9.886	216	780144	50.56	ng/uL	100
42) Hexachlorocyclopentadiene	9.886	237	197763	38.32	ng/uL	95
43) 2,4,6-Trichlorophenol	10.110	196	498070	49.50	ng/uL	96
44) 2,4,5-Trichlorophenol	10.174	196	534772	52.03	ng/uL	99
46) Biphenyl	10.404	154	3252155	51.30	ng/uL	99
47) 2-Chloronaphthalene	10.410	162	1739753	47.55	ng/uL	96
48) Dimethylphthalate	10.980	163	1907137	49.72	ng/uL	100
49) Acenaphthylene	11.133	152	2960314	44.13	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	468564	51.02	ng/uL	99
51) 2-Nitroaniline	10.621	65	607358	41.46	ng/uL	98
52) Acenaphthene	11.463	153	2776826	52.23	ng/uL	99
53) 2,4-Dinitrophenol	11.568	184	108450	48.03	ng/uL	97
54) Dibenzofuran	11.792	168	2433096	49.61	ng/uL	99
55) 4-Nitrophenol	11.780	65	384630	46.74	ng/uL	95
56) 3-Nitroaniline	11.357	138	518423	45.51	ng/uL	100
57) 2,4-Dinitrotoluene	11.815	165	586004	49.88	ng/uL	99
58) Fluorene	12.451	166	4085448	52.23	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	12.063	232	402233	50.34	ng/uL	97
60) Diethylphthalate	12.327	149	1939623	50.41	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.492	204	936460	50.09	ng/uL	96
63) 4-Nitroaniline	12.527	138	554819	51.77	ng/uL	96
64) 4,6-Dinitro-2-methylph...	12.604	198	290092	51.20	ng/uL	88
65) n-Nitrosodiphenylamine	12.727	169	2824381	50.32	ng/uL	99
66) Azobenzene	12.798	77	2109896	47.41	ng/uL	98
68) 4-Bromophenyl-phenylether	13.451	248	493375	50.77	ng/uL	94
69) Hexachlorobenzene	13.551	284	528708	50.61	ng/uL	94
70) Atrazine	13.851	200	519921	52.74	ug/mL	98
71) Pentachloronitrobenzene	13.992	237	182626	51.34	ng/uL	87
72) Pentachlorophenol	13.974	266	260871	47.58	ng/uL	99
73) Phenanthrene	14.351	178	3337853	53.60	ng/uL	89
74) Anthracene	14.456	178	3311775	53.80	ng/uL	86
75) Carbazole	14.821	167	3281265	49.59	ng/uL	100
76) Di-n-butylphthalate	15.662	149	3264154	50.40	ng/uL	100
77) Fluoranthene	16.815	202	3276995	49.77	ng/uL	100
78) Benzidine	17.162	184	983911	32.32	ng/uL	99
80) Pyrene	17.280	202	3737846	52.87	ng/uL	98
82) Butylbenzylphthalate	18.803	149	1444737	47.70	ng/uL	97
83) 3,3'-Dichlorobenzidine	19.838	252	920594	42.70	ng/uL	98
84) Benzo(a)anthracene	19.833	228	3245829	51.48	ng/uL	100
85) Chrysene	19.903	228	3108938	52.93	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.086	149	2018029	48.95	ng/uL	99
88) Di-n-octylphthalate	21.385	149	3476070	49.50	ng/uL	100
89) Benzo(b)fluoranthene	21.974	252	3398906	52.84	ng/uL	98
90) Benzo(k)fluoranthene	22.021	252	3081626	55.18	ng/uL	99
91) Benzo(a)pyrene	22.556	252	2825611	48.50	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	24.462	276	3908976	52.40	ng/uL	98
93) Dibenzo(a,h)anthracene	24.497	278	3881009	53.18	ng/uL	100
94) Benzo(g,h,i)perylene	24.926	276	3283745	51.89	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
Data File : SV5003121.D
Acq On : 18 Oct 2012 6:37 pm
Operator : IBM
Sample : CVJ0192-SCV1
Misc :
ALS Vial : 14 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 19 09:06:49 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
QLast Update : Fri Oct 19 09:00:47 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:11:01 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	592928	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.433	136	2386735	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1385125	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.304	188	2259318	40.00	ng/uL	0.00	
79) Chrysene-d12	19.844	240	2082798	40.00	ng/uL	0.00	
87) Perylene-d12	22.644	264	1978899	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.892	112	87403	5.03	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.35%		
7) Phenol-d5 (SURR)	5.281	99	111976	4.86	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.24%		
11) 2-Chlorophenol-d4 (SURR)	5.498	132	91720	4.73	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	3.15%		
14) 1,2 Dichlorobenzene-d4...	6.539	152	81742	5.63	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	5.63%		
24) Nitrobenzene-d5 (SURR)	7.316	82	98500	4.78	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.78%		
45) 2-Fluorobiphenyl (SURR)	10.245	172	260928	4.91	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.91%		
67) 2,4,6-Tribromophenol (...)	12.927	330	17306	3.95	ng/uL	0.00	
Spiked Amount	150.000		Recovery	=	2.63%		
81) Terphenyl-d14 (SURR)	17.692	244	217111	4.68	ng/uL	0.00	
Spiked Amount	100.000		Recovery	=	4.68%		
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.963	42	20651	5.08	ng/uL		80
3) Pyridine	1.004	79	67785	5.42	ng/uL		90
5) Benzaldehyde	4.869	105	22611	4.85	ug/mL		97
6) bis(2-Chloroethyl)ether	5.469	63	68501	4.95	ng/uL		94
8) 2-Chlorophenol	5.545	128	96429	5.04	ng/uL		89
9) Phenol	5.316	94	123110	4.99	ng/uL		81
10) Aniline	5.204	93	139427	4.50	ng/ul		92
12) 1,3-Dichlorobenzene	5.986	146	104532	5.07	ng/uL		99
13) 1,4-Dichlorobenzene	6.210	146	104669	5.00	ng/uL		95
15) 1,2-Dichlorobenzene	6.569	146	99464	5.02	ng/uL		92
16) Benzyl Alcohol	6.592	79	79495	4.86	ng/uL		89
17) bis(2-chloroisopropyl)...	6.898	121	37539	5.15	ng/uL		92
18) 2-Methylphenol	6.904	108	163640	4.86	ng/uL		96
19) Acetophenone	7.080	105	130745	5.03	ng/ul		98
20) n-Nitroso-di-n-propyla...	7.133	70	72529	5.12	ng/uL		85
21) Hexachloroethane	7.204	117	41015	5.04	ng/uL		92
22) 3+4-Methylphenol	7.204	108	184926	4.72	ng/uL		100
25) Nitrobenzene	7.345	77	106803	4.88	ng/uL		95
26) Isophorone	7.745	82	190802	4.86	ng/uL		97
27) 2-Nitrophenol	7.863	139	44286	4.22	ng/uL		98
28) Benzoic Acid	8.186	105	51521m	10.06	ng/uL		
29) 2,4-Dimethylphenol	8.027	107	92885	4.70	ng/uL#		61
30) bis(2-Chloroethoxy)met...	8.151	93	121718	4.82	ng/uL		95
31) 2,4-Dichlorophenol	8.269	162	70963	4.61	ng/uL		99
32) 1,2,4-Trichlorobenzene	8.369	180	82670	4.88	ng/uL		95
33) Naphthalene	8.469	128	338476	5.08	ng/uL		100
34) 4-Chloroaniline	8.610	127	124936	4.45	ng/uL		99
35) Hexachlorobutadiene	8.722	225	40459	4.90	ng/uL		97
36) Caprolactam	9.098	113	30521	4.32	ug/mL#		70
37) 4-Chloro-3-methylphenol	9.457	107	80042	4.43	ng/uL		98

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

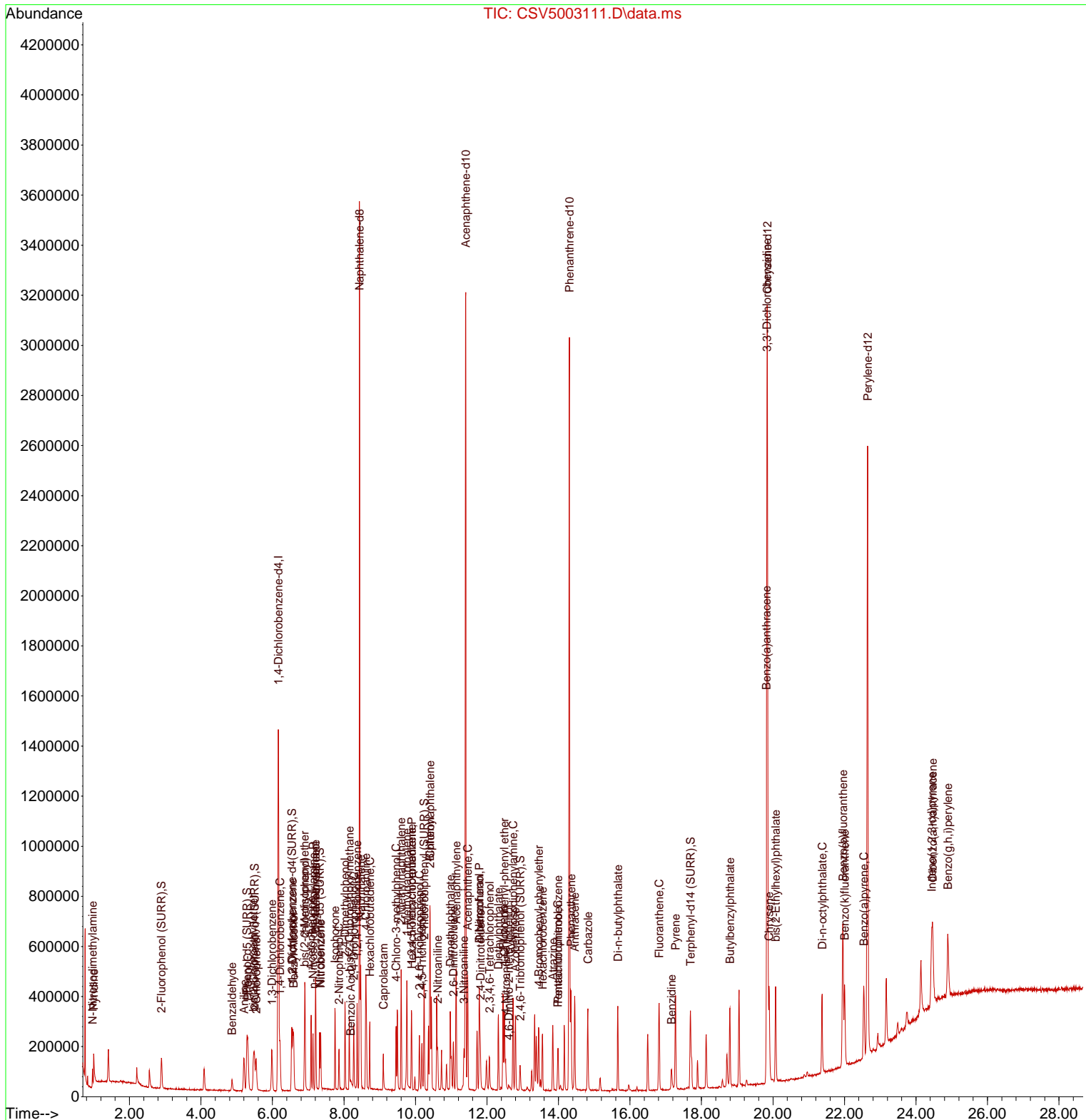
Quant Time: Oct 19 09:11:01 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	349719	4.82	ng/uL	99
39) 1-Methylnaphthalene	9.757	142	337171	4.85	ng/uL	99
40) 1,2,4,5-Tetrachloroben...	9.886	216	74719	4.67	ng/uL	97
42) Hexachlorocyclopentadiene	9.892	237	7983	15.19	ng/uL	92
43) 2,4,6-Trichlorophenol	10.110	196	45783	4.51	ng/uL	97
44) 2,4,5-Trichlorophenol	10.180	196	43352	4.18	ng/uL	97
46) Biphenyl	10.404	154	318407	4.98	ng/uL	96
47) 2-Chloronaphthalene	10.410	162	175018	4.74	ng/uL	96
48) Dimethylphthalate	10.974	163	189690	4.90	ng/uL	100
49) Acenaphthylene	11.139	152	329475	4.87	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	41914	4.53	ng/uL	96
51) 2-Nitroaniline	10.621	65	68560	4.64	ng/uL	94
52) Acenaphthene	11.457	153	263871	4.92	ng/uL	98
54) Dibenzofuran	11.786	168	242009	4.89	ng/uL	97
55) 4-Nitrophenol	11.786	65	28687m	7.57	ng/uL	
56) 3-Nitroaniline	11.357	138	49953	4.35	ng/uL	100
57) 2,4-Dinitrotoluene	11.815	165	47507	4.01	ng/uL	97
58) Fluorene	12.451	166	374647	4.75	ng/uL	95
59) 2,3,4,6-Tetrachlorophenol	12.068	232	30835	3.83	ng/uL	98
60) Diethylphthalate	12.321	149	183356	4.73	ng/uL	98
61) 4-Chloro-phenyl-phenyl...	12.486	204	93887	4.98	ng/uL	96
63) 4-Nitroaniline	12.521	138	46198	4.24	ng/uL	94
64) 4,6-Dinitro-2-methylph...	12.609	198	7118m	14.48	ng/uL	
65) n-Nitrosodiphenylamine	12.727	169	265027	4.64	ng/uL	100
66) Azobenzene	12.792	77	211407	4.67	ng/uL	97
68) 4-Bromophenyl-phenylether	13.451	248	47650	4.82	ng/uL	81
69) Hexachlorobenzene	13.551	284	51729	4.87	ng/uL	90
70) Atrazine	13.839	200	44858	4.47	ug/mL	88
71) Pentachloronitrobenzene	13.986	237	14562	4.02	ng/uL	92
72) Pentachlorophenol	13.980	266	13073	9.13	ng/uL#	53
73) Phenanthrene	14.351	178	308067	4.86	ng/uL	88
74) Anthracene	14.451	178	292140	4.66	ng/uL	99
75) Carbazole	14.821	167	314240	4.67	ng/uL	100
76) Di-n-butylphthalate	15.662	149	297514	4.51	ng/uL	100
77) Fluoranthene	16.815	202	309420	4.62	ng/uL	77
78) Benzidine	17.162	184	91015	7.81	ng/uL	95
80) Pyrene	17.274	202	328067	4.80	ng/uL	98
82) Butylbenzylphthalate	18.797	149	130767	4.47	ng/uL	91
83) 3,3'-Dichlorobenzidine	19.833	252	90086	4.32	ng/uL	94
84) Benzo(a)anthracene	19.821	228	280839	4.61	ng/uL	99
85) Chrysene	19.891	228	275320	4.85	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.074	149	179773	4.51	ng/uL	100
88) Di-n-octylphthalate	21.374	149	302292	4.27	ng/uL	100
89) Benzo(b)fluoranthene	21.956	252	283216	4.37	ng/uL	99
90) Benzo(k)fluoranthene	22.003	252	260103	4.62	ng/uL	99
91) Benzo(a)pyrene	22.544	252	278507	4.75	ng/uL	97
92) Indeno(1,2,3-cd)pyrene	24.438	276	335168	4.46	ng/uL	96
93) Dibenzo(a,h)anthracene	24.468	278	321869	4.38	ng/uL	97
94) Benzo(g,h,i)perylene	24.891	276	296157	4.65	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:11:01 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003112.D
 Acq On : 18 Oct 2012 1:38 pm
 Operator : IBM
 Sample : CVJ0192-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:12:36 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.163	152	578905	40.00	ng/uL	0.00
23) Naphthalene-d8	8.434	136	2358662	40.00	ng/uL	0.00
41) Acenaphthene-d10	11.404	164	1368331	40.00	ng/uL	0.00
62) Phenanthrene-d10	14.304	188	2195560	40.00	ng/uL	0.00
79) Chrysene-d12	19.845	240	2046487	40.00	ng/uL	0.00
87) Perylene-d12	22.650	264	1900894	40.00	ng/uL	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.893	112	174752	10.30	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	6.87%	
7) Phenol-d5 (SURR)	5.281	99	233180	10.37	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	6.91%	
11) 2-Chlorophenol-d4 (SURR)	5.493	132	194520	10.28	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	6.85%	
14) 1,2 Dichlorobenzene-d4...	6.540	152	152272	10.74	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	10.74%	
24) Nitrobenzene-d5 (SURR)	7.316	82	196589	9.66	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	9.66%	
45) 2-Fluorobiphenyl (SURR)	10.245	172	527260	10.04	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	10.04%	
67) 2,4,6-Tribromophenol (...)	12.927	330	37017	8.68	ng/uL	0.00
Spiked Amount	150.000		Recovery	=	5.79%	
81) Terphenyl-d14 (SURR)	17.692	244	442807	9.71	ng/uL	0.00
Spiked Amount	100.000		Recovery	=	9.71%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	0.963	42	47645	12.00	ng/uL	99
3) Pyridine	0.999	79	132195	10.83	ng/uL	94
5) Benzaldehyde	4.869	105	45036	9.89	ug/mL	96
6) bis(2-Chloroethyl)ether	5.469	63	140304	10.38	ng/uL	98
8) 2-Chlorophenol	5.540	128	193802	10.37	ng/uL	98
9) Phenol	5.316	94	240862	10.00	ng/uL	97
10) Aniline	5.198	93	289984	9.58	ng/uL	96
12) 1,3-Dichlorobenzene	5.981	146	208005	10.34	ng/uL	96
13) 1,4-Dichlorobenzene	6.210	146	209453	10.25	ng/uL	90
15) 1,2-Dichlorobenzene	6.569	146	199748	10.33	ng/uL	95
16) Benzyl Alcohol	6.592	79	159934	10.02	ng/uL	87
17) bis(2-chloroisopropyl)...	6.898	121	73826	10.38	ng/uL	96
18) 2-Methylphenol	6.904	108	336848	10.24	ng/uL	100
19) Acetophenone	7.081	105	261638	10.31	ng/uL	99
20) n-Nitroso-di-n-propyla...	7.128	70	144082	10.42	ng/uL	98
21) Hexachloroethane	7.204	117	81686	10.28	ng/uL	97
22) 3+4-Methylphenol	7.204	108	388580	10.16	ng/uL	96
25) Nitrobenzene	7.345	77	215375	9.97	ng/uL	98
26) Isophorone	7.745	82	380409	9.80	ng/uL	99
27) 2-Nitrophenol	7.863	139	95478	9.20	ng/uL	97
28) Benzoic Acid	8.181	105	99486	13.42	ng/uL	99
29) 2,4-Dimethylphenol	8.028	107	193717	9.92	ng/uL	95
30) bis(2-Chloroethoxy)met...	8.151	93	248442	9.95	ng/uL	98
31) 2,4-Dichlorophenol	8.269	162	147318	9.68	ng/uL	97
32) 1,2,4-Trichlorobenzene	8.369	180	165538	9.88	ng/uL	97
33) Naphthalene	8.469	128	673753	10.24	ng/uL	100
34) 4-Chloroaniline	8.610	127	247309	8.91	ng/uL	98
35) Hexachlorobutadiene	8.722	225	78494	9.62	ng/uL	97
36) Caprolactam	9.098	113	63008	9.03	ug/mL#	65
37) 4-Chloro-3-methylphenol	9.451	107	170839	9.57	ng/uL	97

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003112.D
 Acq On : 18 Oct 2012 1:38 pm
 Operator : IBM
 Sample : CVJ0192-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

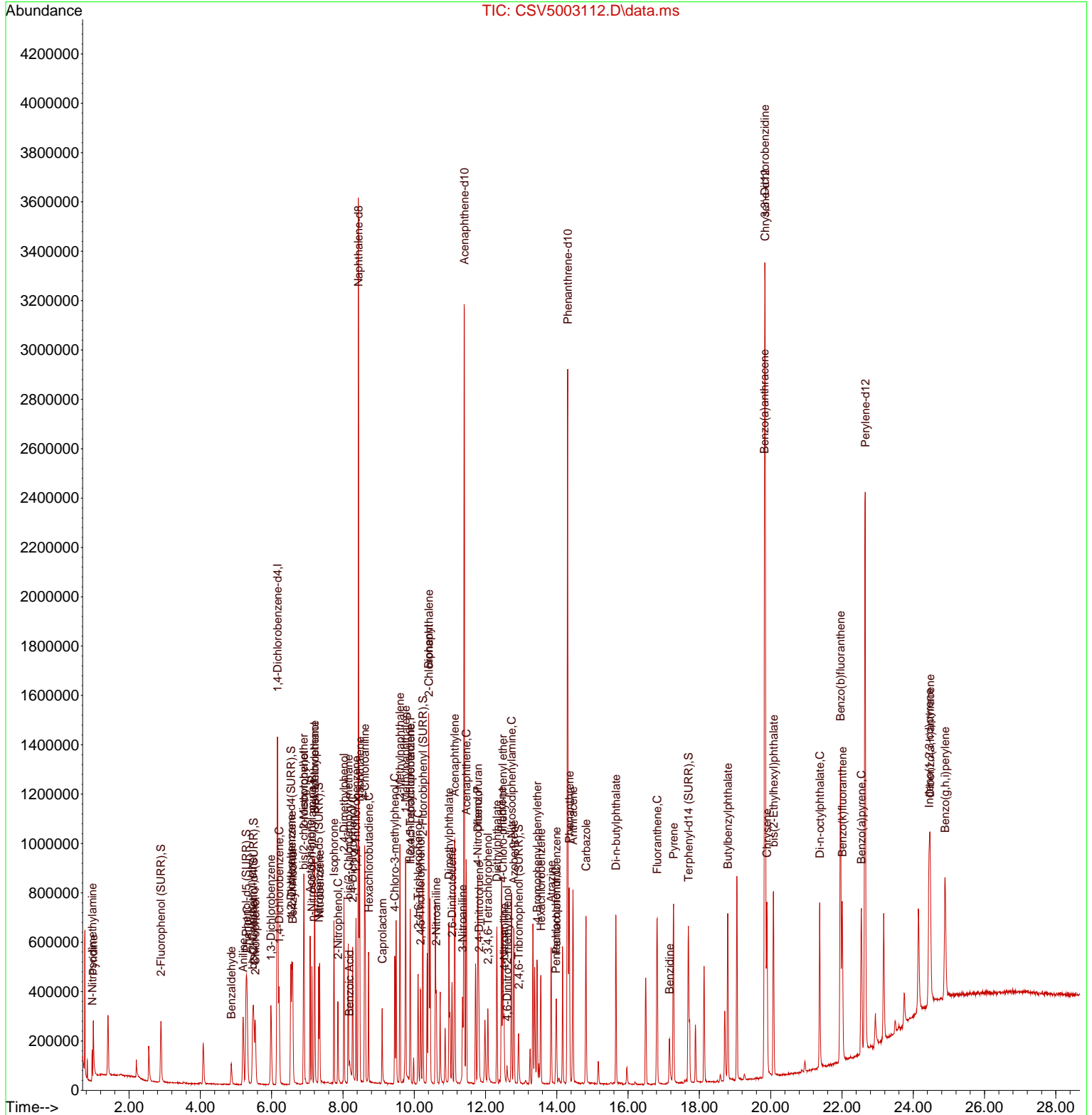
Quant Time: Oct 19 09:12:36 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	716616	10.00	ng/uL	97
39) 1-Methylnaphthalene	9.757	142	679460	9.88	ng/uL	100
40) 1,2,4,5-Tetrachloroben...	9.886	216	155959	9.87	ng/uL	95
42) Hexachlorocyclopentadiene	9.886	237	25268	17.32	ng/uL	96
43) 2,4,6-Trichlorophenol	10.110	196	93135	9.29	ng/uL	97
44) 2,4,5-Trichlorophenol	10.175	196	93013	9.09	ng/uL	99
46) Biphenyl	10.404	154	641086	10.15	ng/uL	99
47) 2-Chloronaphthalene	10.410	162	355114	9.74	ng/uL	96
48) Dimethylphthalate	10.975	163	380328	9.95	ng/uL	100
49) Acenaphthylene	11.133	152	670313	10.03	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	87096	9.52	ng/uL	98
51) 2-Nitroaniline	10.616	65	136878	9.38	ng/uL	98
52) Acenaphthene	11.457	153	530221	10.01	ng/uL#	58
54) Dibenzofuran	11.786	168	492367	10.08	ng/uL	93
55) 4-Nitrophenol	11.780	65	57061m	10.74	ng/uL	
56) 3-Nitroaniline	11.357	138	105185	9.27	ng/uL	94
57) 2,4-Dinitrotoluene	11.816	165	103354	8.83	ng/uL	97
58) Fluorene	12.451	166	766051	9.83	ng/uL#	67
59) 2,3,4,6-Tetrachlorophenol	12.063	232	69790	8.77	ng/uL	97
60) Diethylphthalate	12.322	149	371992	9.71	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.486	204	184368	9.90	ng/uL	97
63) 4-Nitroaniline	12.522	138	96468	9.10	ng/uL	92
64) 4,6-Dinitro-2-methylph...	12.604	198	20946	16.32	ng/uL	96
65) n-Nitrosodiphenylamine	12.727	169	548259	9.88	ng/uL	98
66) Azobenzene	12.792	77	440977	10.02	ng/uL	96
68) 4-Bromophenyl-phenylether	13.451	248	94546	9.84	ng/uL	93
69) Hexachlorobenzene	13.551	284	100758	9.75	ng/uL	93
70) Atrazine	13.839	200	91565	9.39	ug/mL	94
71) Pentachloronitrobenzene	13.986	237	29888	8.50	ng/uL	84
72) Pentachlorophenol	13.974	266	31442	12.18	ng/uL	83
73) Phenanthrene	14.351	178	618813	10.05	ng/uL	90
74) Anthracene	14.451	178	602729	9.90	ng/uL	88
75) Carbazole	14.815	167	637931	9.75	ng/uL	100
76) Di-n-butylphthalate	15.657	149	608163	9.50	ng/uL	100
77) Fluoranthene	16.815	202	620232	9.53	ng/uL	99
78) Benzidine	17.162	184	187951	10.57	ng/uL	94
80) Pyrene	17.274	202	666661	9.93	ng/uL	92
82) Butylbenzylphthalate	18.798	149	274227	9.54	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.839	252	195790	9.56	ng/uL	98
84) Benzo(a)anthracene	19.827	228	567353	9.48	ng/uL	99
85) Chrysene	19.898	228	551298	9.89	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	20.080	149	372415	9.51	ng/uL	98
88) Di-n-octylphthalate	21.374	149	628351	9.25	ng/uL	100
89) Benzo(b)fluoranthene	21.956	252	592022	9.51	ng/uL	98
90) Benzo(k)fluoranthene	22.009	252	532612	9.86	ng/uL	98
91) Benzo(a)pyrene	22.544	252	530605	9.42	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.444	276	671264	9.30	ng/uL	84
93) Dibenzo(a,h)anthracene	24.474	278	663790	9.40	ng/uL	98
94) Benzo(g,h,i)perylene	24.891	276	582413	9.51	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\101812\
Data File : CSV5003112.D
Acq On : 18 Oct 2012 1:38 pm
Operator : IBM
Sample : CVJ0192-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1
InstName : SVOAMS5

Quant Time: Oct 19 09:12:36 2012
Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
QLast Update : Fri Oct 19 09:00:47 2012
Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003113.D
 Acq On : 18 Oct 2012 2:11 pm
 Operator : IBM
 Sample : CVJ0192-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:14:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.163	152	595198	40.00	ng/uL	0.00	
23) Naphthalene-d8	8.434	136	2381532	40.00	ng/uL	0.00	
41) Acenaphthene-d10	11.404	164	1391668	40.00	ng/uL	0.00	
62) Phenanthrene-d10	14.304	188	2247782	40.00	ng/uL	0.00	
79) Chrysene-d12	19.845	240	2077555	40.00	ng/uL	0.00	
87) Perylene-d12	22.644	264	1906929	40.00	ng/uL	0.00	
System Monitoring Compounds							
4) 2-Fluorophenol (SURR)	2.893	112	348865	20.00	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 13.33%
7) Phenol-d5 (SURR)	5.275	99	477960	20.67	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 13.78%
11) 2-Chlorophenol-d4 (SURR)	5.493	132	400429	20.58	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 13.72%
14) 1,2 Dichlorobenzene-d4...	6.540	152	298076	20.45	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 20.45%
24) Nitrobenzene-d5 (SURR)	7.316	82	410953	19.99	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 19.99%
45) 2-Fluorobiphenyl (SURR)	10.245	172	1075572	20.13	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 20.13%
67) 2,4,6-Tribromophenol (...)	12.927	330	79906	18.31	ng/uL	0.00	
Spiked Amount	150.000						Recovery = 12.21%
81) Terphenyl-d14 (SURR)	17.692	244	925053	19.98	ng/uL	0.00	
Spiked Amount	100.000						Recovery = 19.98%
Target Compounds							
							Qvalue
2) N-Nitrosodimethylamine	0.958	42	84387	20.67	ng/uL		99
3) Pyridine	0.993	79	256649	20.45	ng/uL		100
5) Benzaldehyde	4.863	105	90136	19.26	ug/mL		98
6) bis(2-Chloroethyl)ether	5.463	63	283759	20.42	ng/uL		99
8) 2-Chlorophenol	5.540	128	393344	20.48	ng/uL		99
9) Phenol	5.310	94	506089	20.44	ng/uL		99
10) Aniline	5.198	93	616179	19.80	ng/uL		99
12) 1,3-Dichlorobenzene	5.981	146	420221	20.32	ng/uL		95
13) 1,4-Dichlorobenzene	6.210	146	424723	20.22	ng/uL		99
15) 1,2-Dichlorobenzene	6.569	146	402444	20.23	ng/uL		95
16) Benzyl Alcohol	6.592	79	327331	19.94	ng/uL		99
17) bis(2-chloroisopropyl)...	6.904	121	145560	19.90	ng/uL		96
18) 2-Methylphenol	6.904	108	696139	20.58	ng/uL		100
19) Acetophenone	7.075	105	537280	20.59	ng/uL		99
20) n-Nitroso-di-n-propyla...	7.128	70	292892	20.61	ng/uL		99
21) Hexachloroethane	7.204	117	165225	20.23	ng/uL		98
22) 3+4-Methylphenol	7.204	108	801911	20.39	ng/uL		96
25) Nitrobenzene	7.345	77	437420	20.05	ng/uL		99
26) Isophorone	7.745	82	783008	19.97	ng/uL		99
27) 2-Nitrophenol	7.857	139	203901	19.46	ng/uL		99
28) Benzoic Acid	8.192	105	208869	20.84	ng/uL		99
29) 2,4-Dimethylphenol	8.028	107	397248	20.14	ng/uL		97
30) bis(2-Chloroethoxy)met...	8.151	93	498704	19.77	ng/uL		100
31) 2,4-Dichlorophenol	8.269	162	304168	19.79	ng/uL		94
32) 1,2,4-Trichlorobenzene	8.369	180	335324	19.82	ng/uL		98
33) Naphthalene	8.469	128	1364319	20.53	ng/uL		100
34) 4-Chloroaniline	8.604	127	537610	19.19	ng/uL		100
35) Hexachlorobutadiene	8.722	225	164141	19.93	ng/uL		98
36) Caprolactam	9.104	113	137352	19.49	ug/mL#		15
37) 4-Chloro-3-methylphenol	9.451	107	357333	19.82	ng/uL		98

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003113.D
 Acq On : 18 Oct 2012 2:11 pm
 Operator : IBM
 Sample : CVJ0192-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

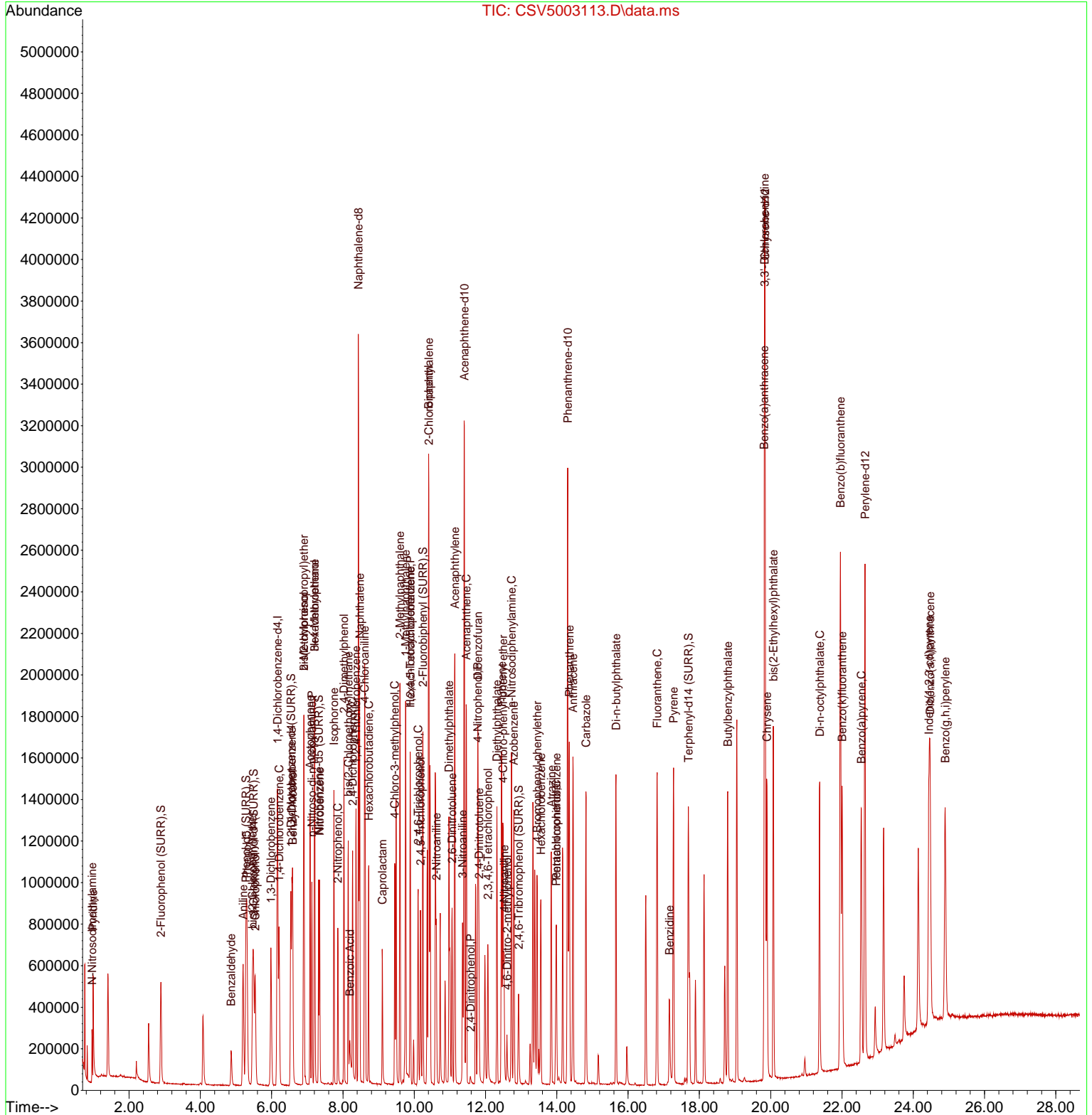
Quant Time: Oct 19 09:14:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.598	142	1466170	20.27	ng/uL	99
39) 1-Methylnaphthalene	9.757	142	1398099m	20.14	ng/uL	
40) 1,2,4,5-Tetrachloroben...	9.886	216	313199	19.62	ng/uL	98
42) Hexachlorocyclopentadiene	9.886	237	76489	23.43	ng/uL	98
43) 2,4,6-Trichlorophenol	10.110	196	193287	18.96	ng/uL	98
44) 2,4,5-Trichlorophenol	10.175	196	203665	19.56	ng/uL	97
46) Biphenyl	10.404	154	1301223	20.26	ng/uL	99
47) 2-Chloronaphthalene	10.410	162	722578	19.49	ng/uL	98
48) Dimethylphthalate	10.975	163	780674	20.09	ng/uL	100
49) Acenaphthylene	11.139	152	1375533	20.24	ng/uL	100
50) 2,6-Dinitrotoluene	11.063	165	183945	19.77	ng/uL	99
51) 2-Nitroaniline	10.622	65	292596	19.72	ng/uL	98
52) Acenaphthene	11.457	153	1080891	20.07	ng/uL#	73
53) 2,4-Dinitrophenol	11.580	184	16772m	25.12	ng/uL	
54) Dibenzofuran	11.786	168	999584	20.12	ng/uL	95
55) 4-Nitrophenol	11.780	65	134443m	19.04	ng/uL	
56) 3-Nitroaniline	11.357	138	223523	19.37	ng/uL	96
57) 2,4-Dinitrotoluene	11.816	165	227518	19.12	ng/uL	97
58) Fluorene	12.451	166	1581327	19.95	ng/uL#	65
59) 2,3,4,6-Tetrachlorophenol	12.063	232	150765	18.62	ng/uL	97
60) Diethylphthalate	12.322	149	773612	19.85	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.492	204	375093	19.80	ng/uL	99
63) 4-Nitroaniline	12.522	138	216340	19.94	ng/uL	100
64) 4,6-Dinitro-2-methylph...	12.604	198	69416	22.46	ng/uL	87
65) n-Nitrosodiphenylamine	12.727	169	1123900	19.78	ng/uL	99
66) Azobenzene	12.792	77	926530	20.56	ng/uL	97
68) 4-Bromophenyl-phenylether	13.451	248	192065	19.52	ng/uL	98
69) Hexachlorobenzene	13.551	284	207976	19.67	ng/uL	89
70) Atrazine	13.845	200	193831	19.42	ug/mL	98
71) Pentachloronitrobenzene	13.986	237	68807	19.11	ng/uL	91
72) Pentachlorophenol	13.980	266	80531	19.78	ng/uL	87
73) Phenanthrene	14.351	178	1258304	19.96	ng/uL	99
74) Anthracene	14.451	178	1246885	20.01	ng/uL	88
75) Carbazole	14.815	167	1344347	20.07	ng/uL	100
76) Di-n-butylphthalate	15.662	149	1320666	20.14	ng/uL	100
77) Fluoranthene	16.815	202	1310243	19.66	ng/uL	93
78) Benzidine	17.162	184	443561	17.37	ng/uL	100
80) Pyrene	17.274	202	1394040	20.46	ng/uL	100
82) Butylbenzylphthalate	18.798	149	583637	19.99	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.833	252	411345	19.79	ng/uL	98
84) Benzo(a)anthracene	19.821	228	1180760	19.43	ng/uL	100
85) Chrysene	19.897	228	1130421	19.97	ng/uL	99
86) bis(2-Ethylhexyl)phtha...	20.074	149	786060	19.78	ng/uL	99
88) Di-n-octylphthalate	21.374	149	1329119	19.50	ng/uL	100
89) Benzo(b)fluoranthene	21.956	252	1176853	18.85	ng/uL	100
90) Benzo(k)fluoranthene	22.003	252	1143113	21.09	ng/uL	99
91) Benzo(a)pyrene	22.544	252	1072790	18.98	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.438	276	1386277	19.15	ng/uL	98
93) Dibenzo(a,h)anthracene	24.474	278	1364833	19.27	ng/uL	99
94) Benzo(g,h,i)perylene	24.897	276	1184129	19.28	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

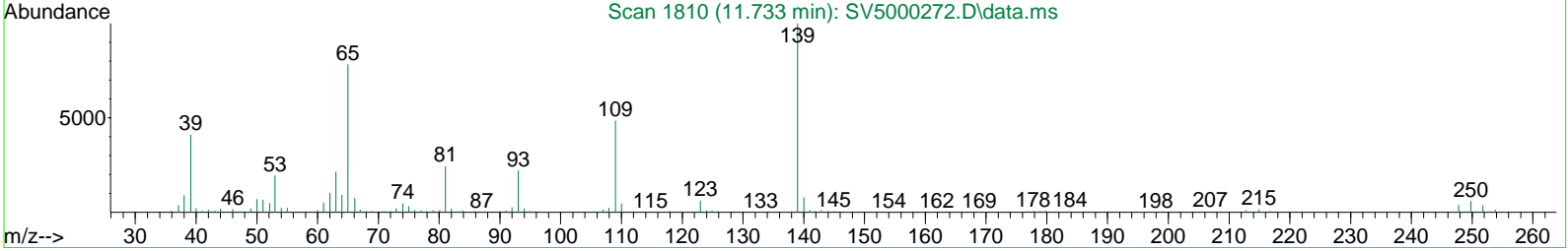
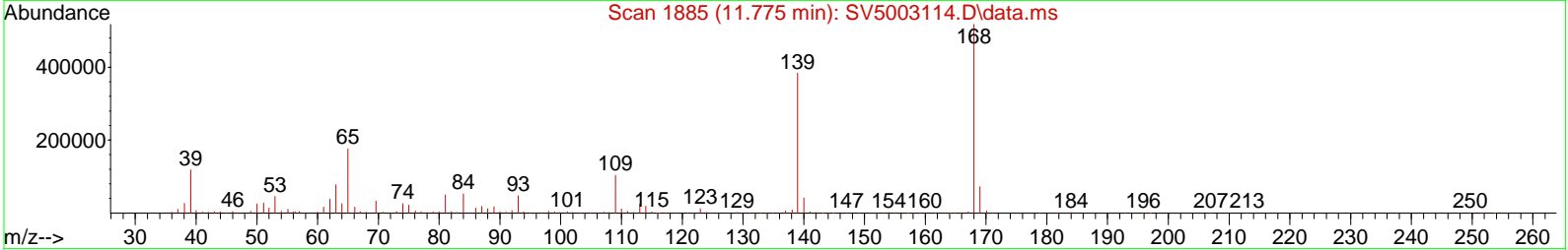
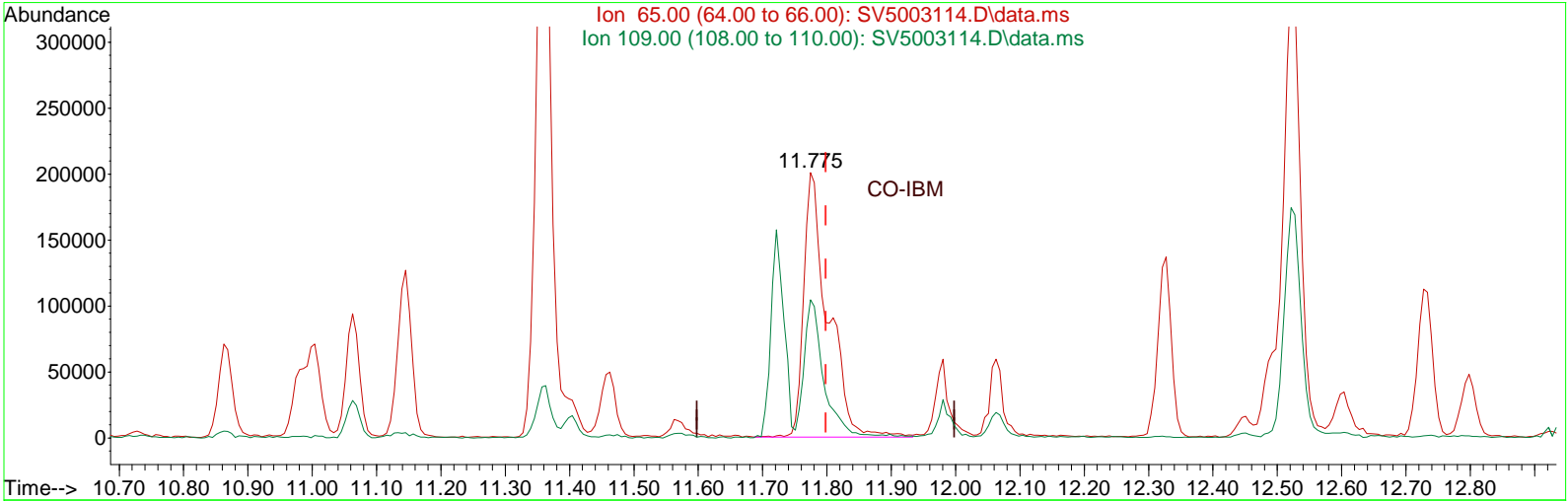
Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : CSV5003113.D
 Acq On : 18 Oct 2012 2:11 pm
 Operator : IBM
 Sample : CVJ0192-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 09:14:32 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 09:00:47 2012
 Response via : Initial Calibration



Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003114.D
 Acq On : 18 Oct 2012 2:45 pm
 Operator : IBM
 Sample : CVJ0192-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:21:42 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210018) AQ CAL(1210019)
 QLast Update : Thu Oct 18 11:26:35 2012
 Response via : Initial Calibration



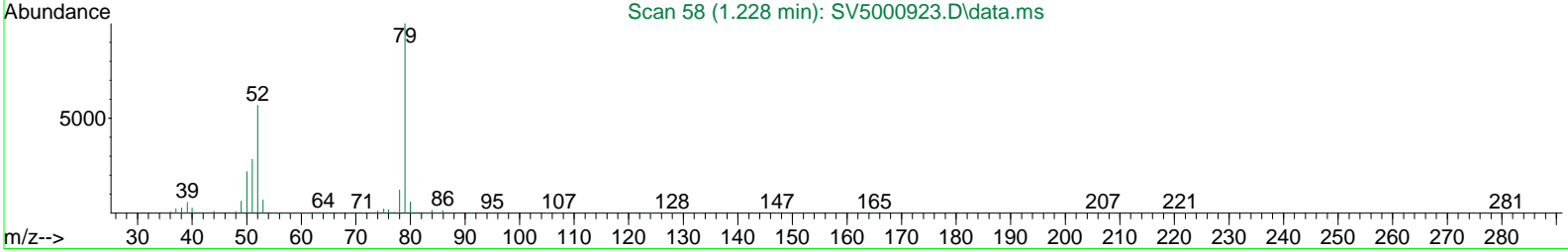
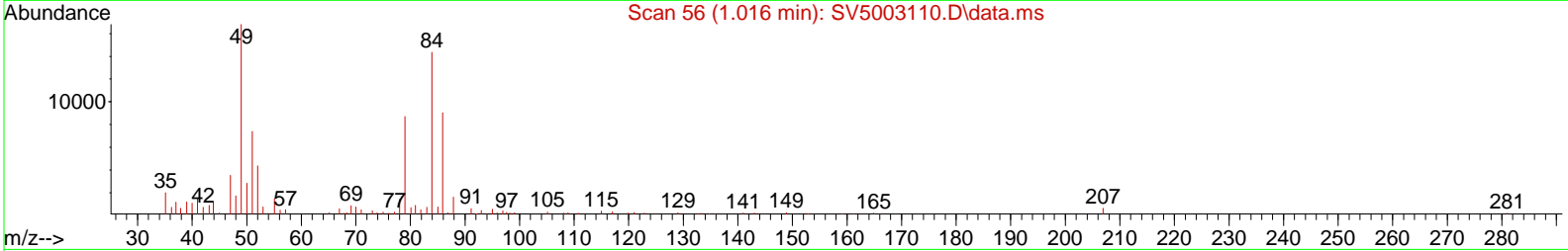
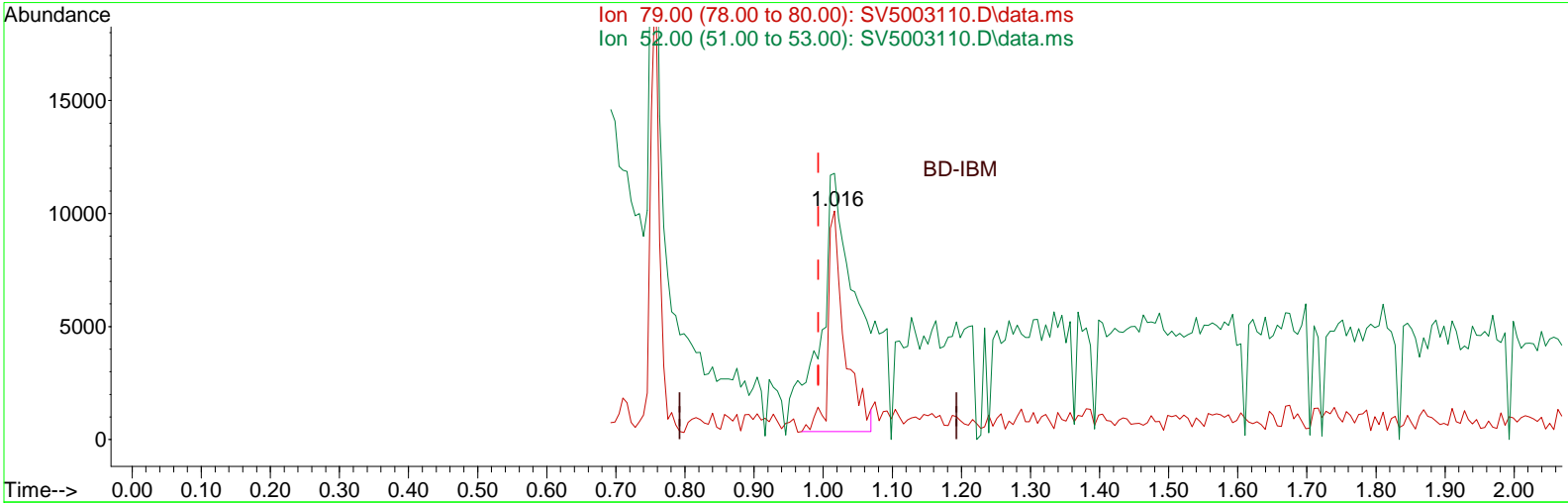
TIC: SV5003114.D\data.ms

(55) 4-Nitrophenol (P)
 11.775min (-0.023) 48.60 ng/uL
 response 526257

Ion	Exp%	Act%
65.00	100	100
109.00	56.40	57.66
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003110.D
 Acq On : 18 Oct 2012 12:32 pm
 Operator : IBM
 Sample : CVJ0192-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:25:11 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:28:31 2012
 Response via : Initial Calibration



TIC: SV5003110.D\data.ms

(3) Pyridine

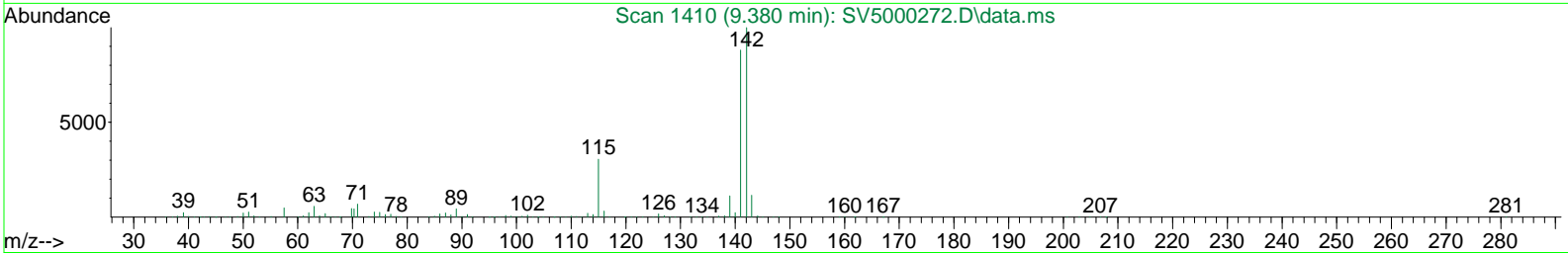
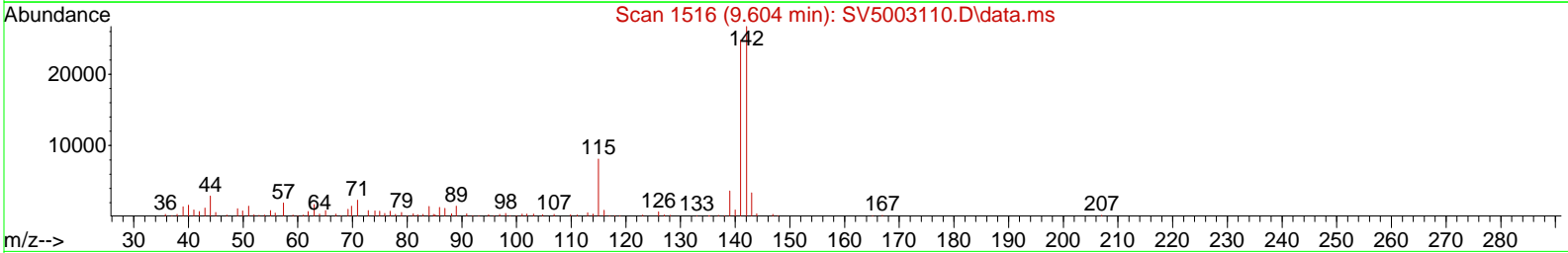
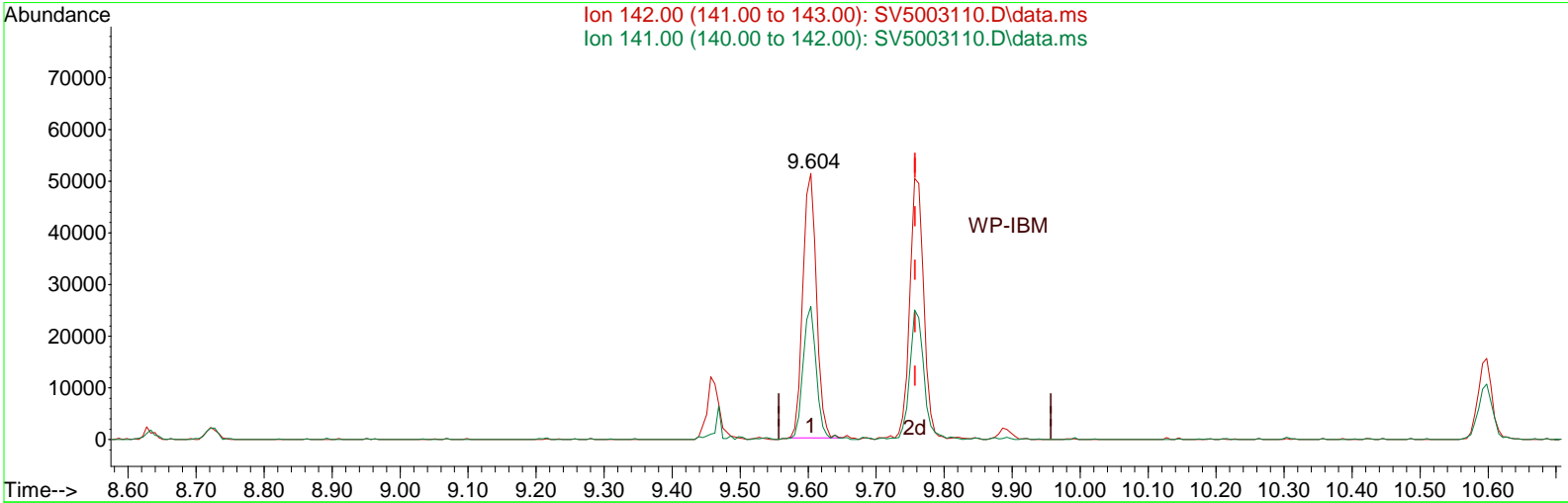
1.016min (+0.023) 1.31 ng/uL

response 16133

Ion	Exp%	Act%
79.00	100	100
52.00	77.10	123.91#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003110.D
 Acq On : 18 Oct 2012 12:32 pm
 Operator : IBM
 Sample : CVJ0192-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:25:11 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:28:31 2012
 Response via : Initial Calibration



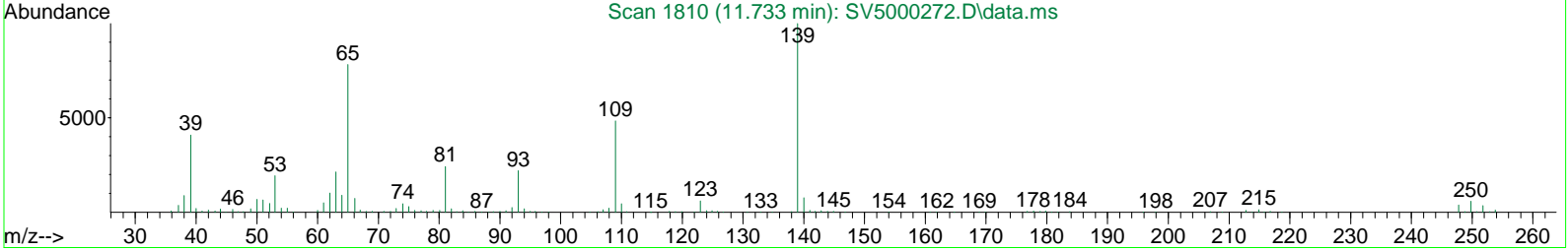
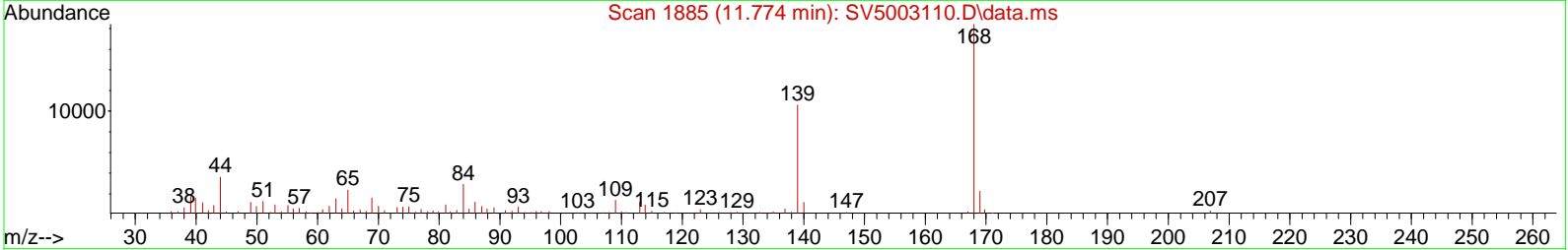
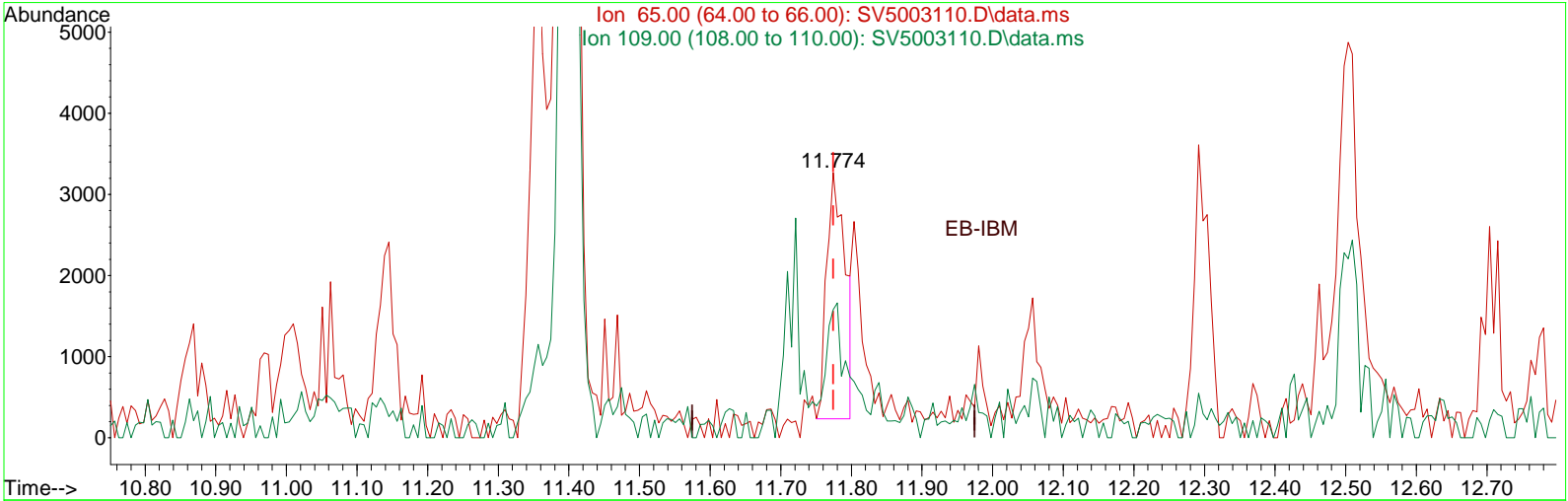
TIC: SV5003110.D\data.ms

(39) 1-Methylnaphthalene
 9.604min (-0.153) 1.05 ng/uL
 response 70836

Ion	Exp%	Act%
142.00	100	100
141.00	47.90	46.97
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003110.D
 Acq On : 18 Oct 2012 12:32 pm
 Operator : IBM
 Sample : CVJ0192-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:25:11 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:28:31 2012
 Response via : Initial Calibration



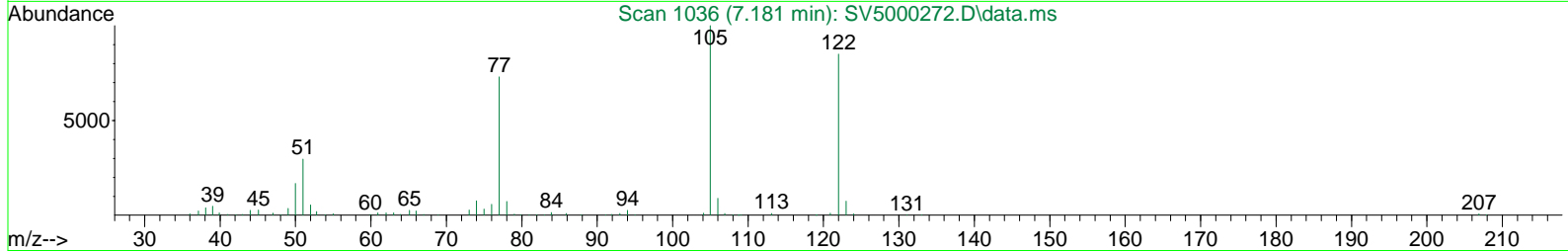
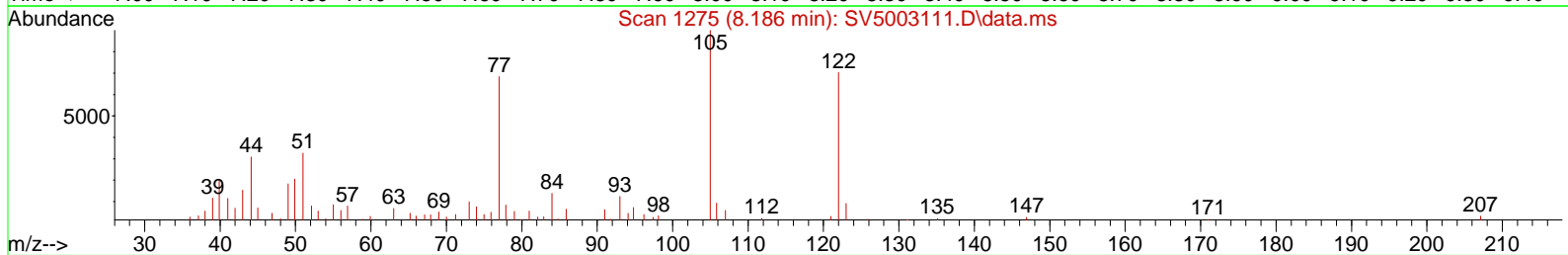
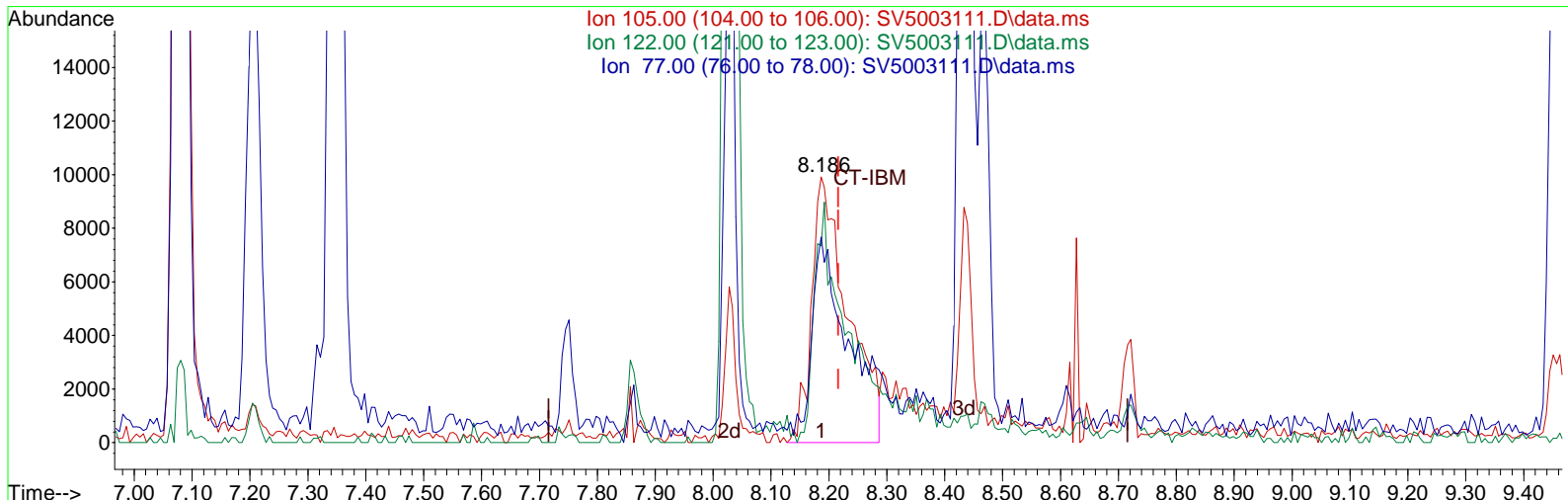
TIC: SV5003110.D\data.ms

(55) 4-Nitrophenol (P)
 11.774min (-0.000) 0.69 ng/uL
 response 5554

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	56.71
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:28:30 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:32:05 2012
 Response via : Initial Calibration



TIC: SV5003111.D\data.ms

(28) Benzoic Acid

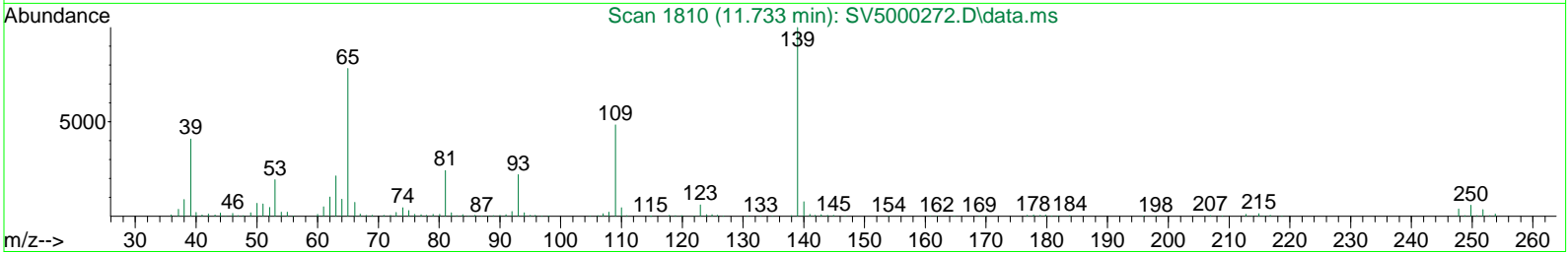
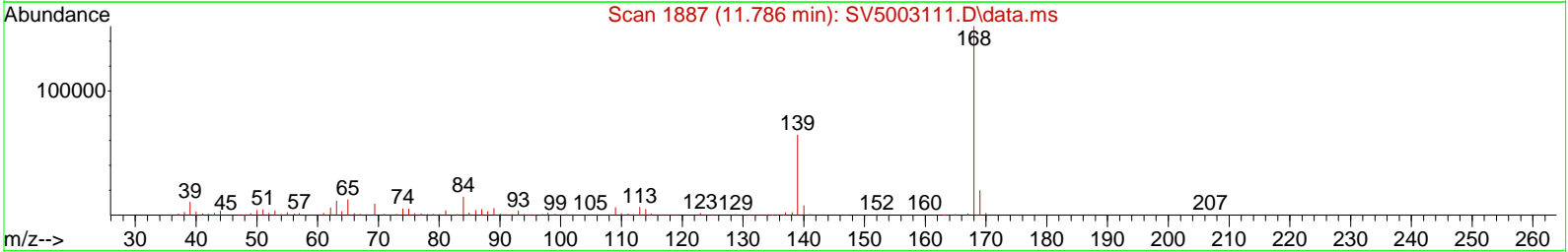
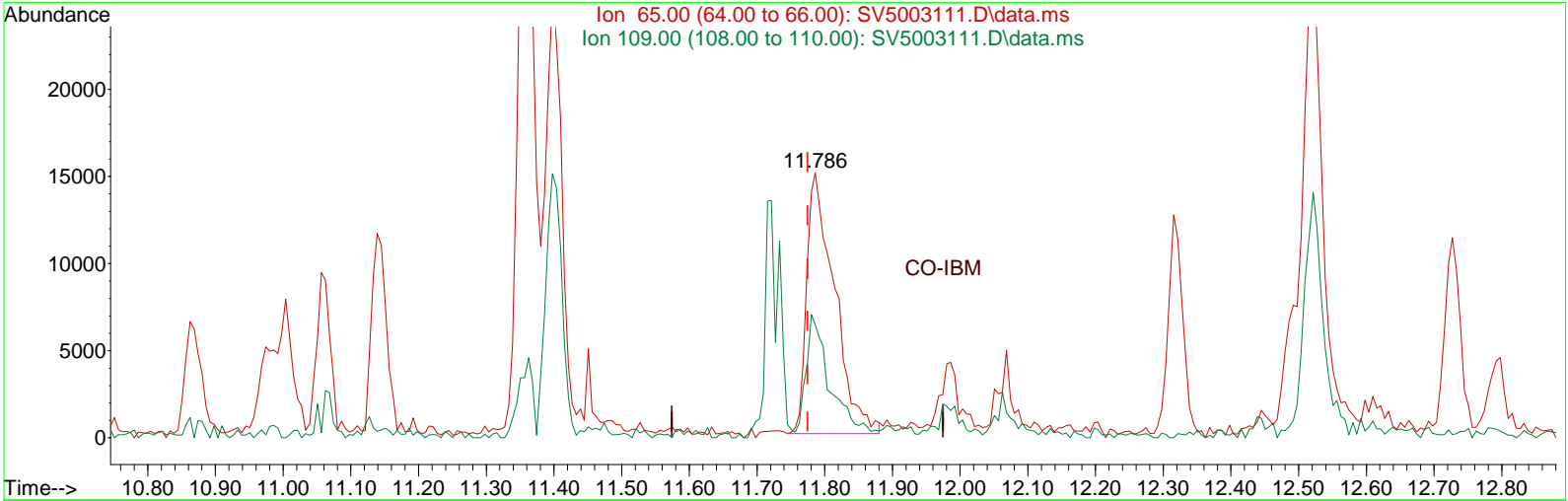
8.186min (-0.030) 1.76 ng/uL

response 43037

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	83.18
77.00	74.50	77.39
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:28:30 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:32:05 2012
 Response via : Initial Calibration



TIC: SV5003111.D\data.ms

(55) 4-Nitrophenol (P)

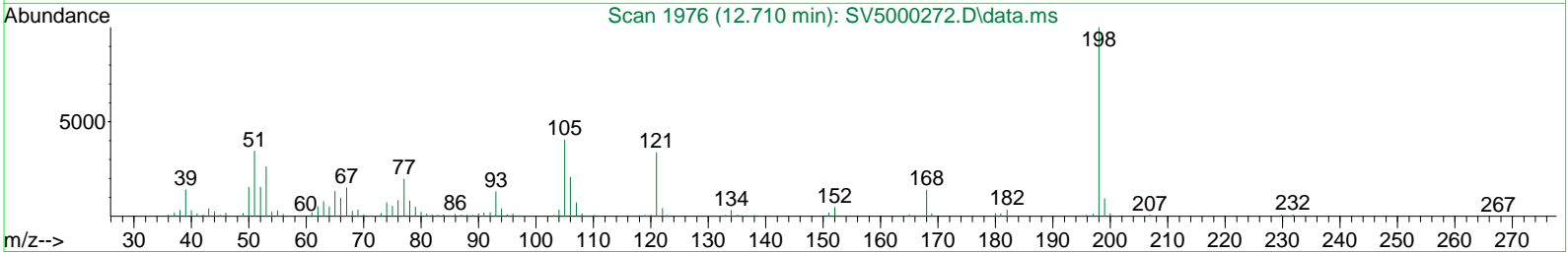
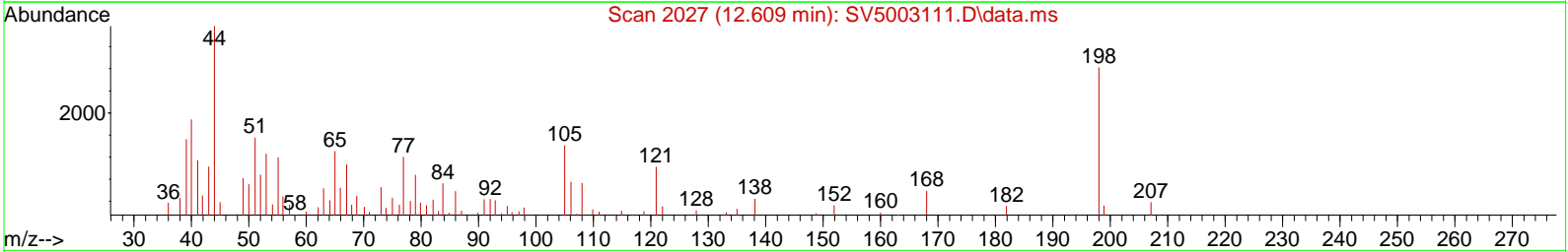
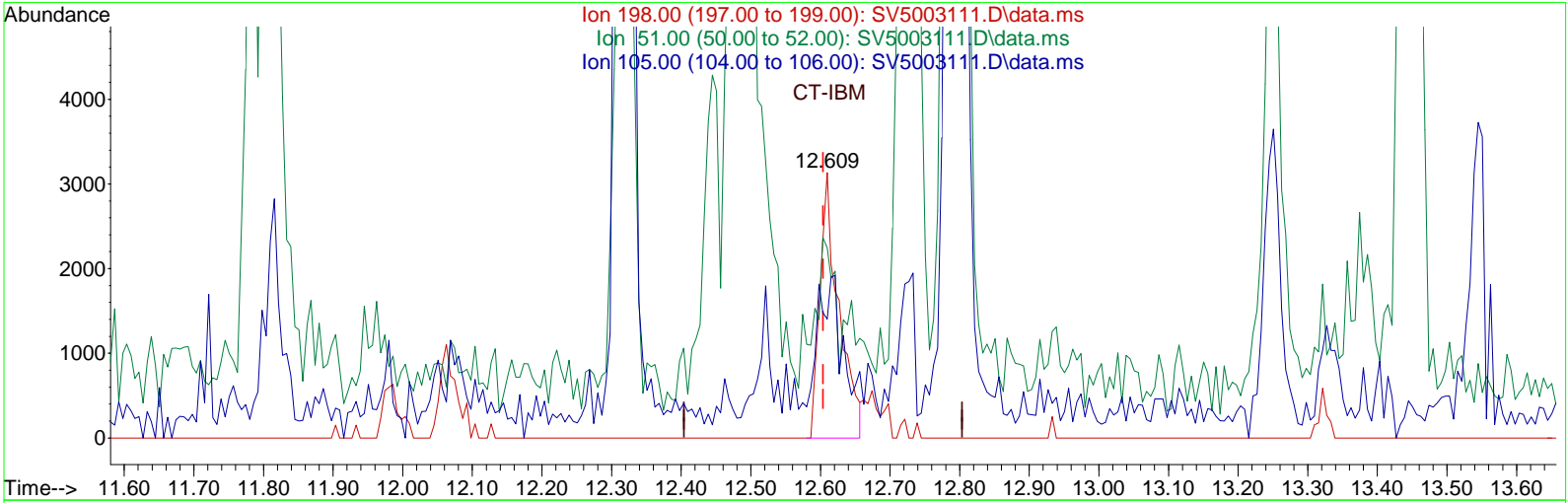
11.786min (+0.012) 5.81 ng/uL

response 42645

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	47.07
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003111.D
 Acq On : 18 Oct 2012 1:05 pm
 Operator : IBM
 Sample : CVJ0192-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:28:30 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:32:05 2012
 Response via : Initial Calibration



TIC: SV5003111.D\data.ms

(64) 4,6-Dinitro-2-methylphenol

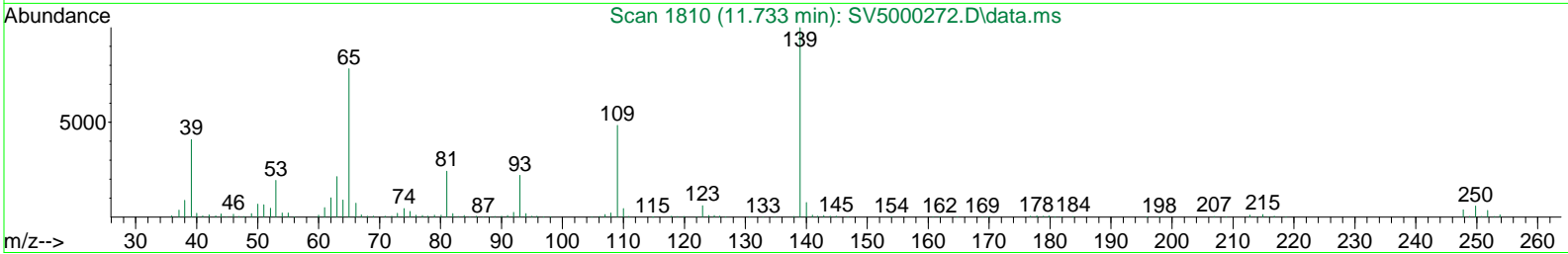
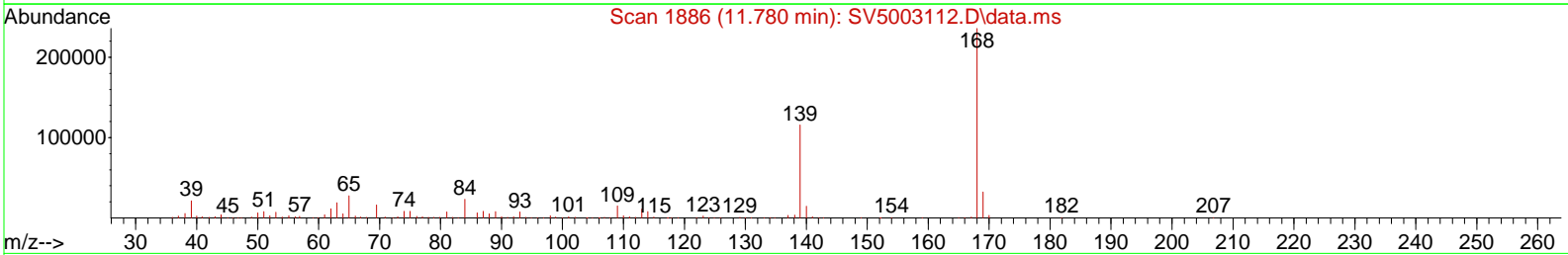
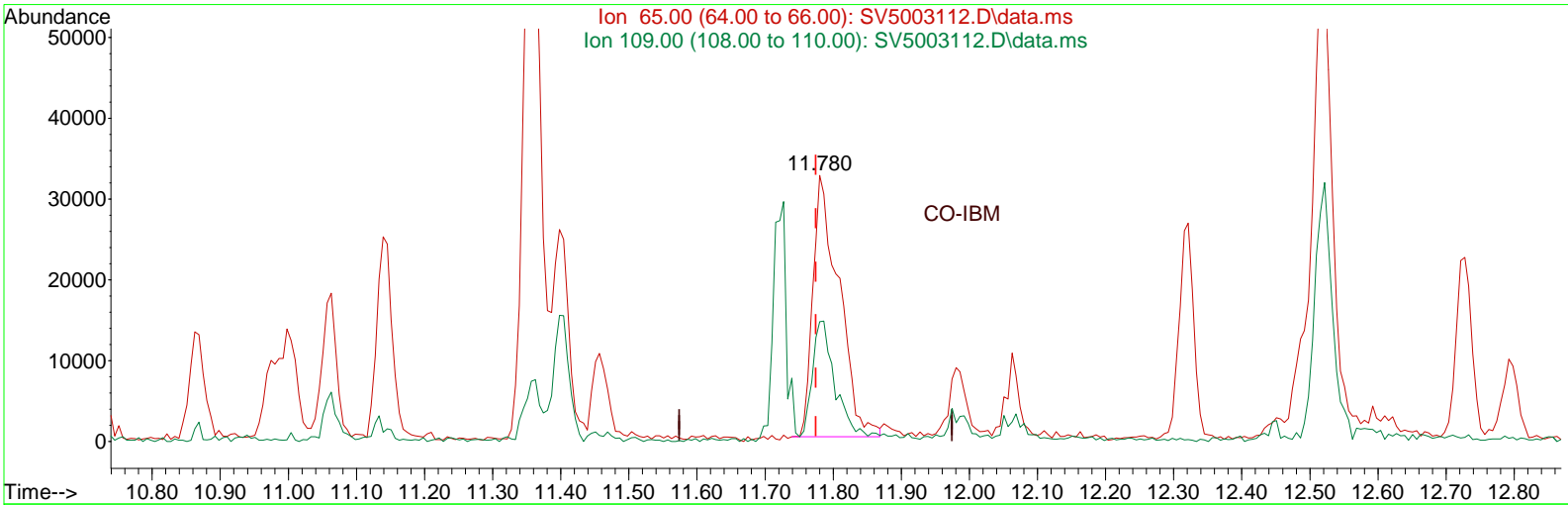
12.609min (+0.006) 1.12 ng/uL

response 5959

Ion	Exp%	Act%
198.00	100	100
51.00	77.50	99.59
105.00	68.10	44.83
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003112.D
 Acq On : 18 Oct 2012 1:38 pm
 Operator : IBM
 Sample : CVJ0192-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:31:44 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:35:11 2012
 Response via : Initial Calibration



TIC: SV5003112.D\data.ms

(55) 4-Nitrophenol (P)

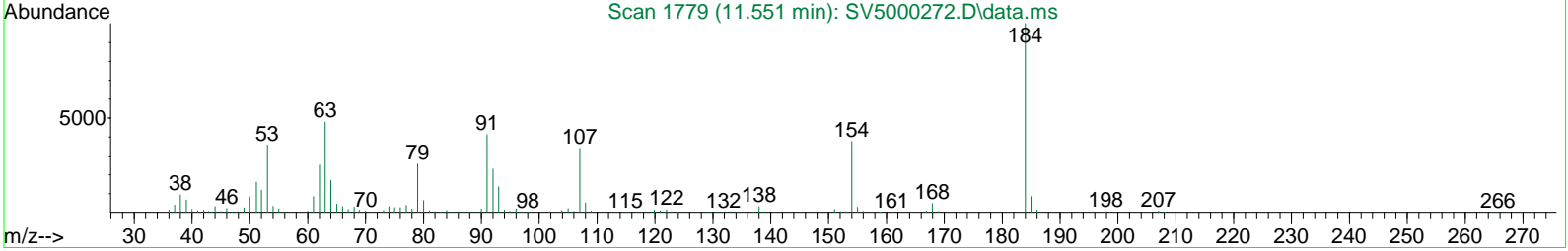
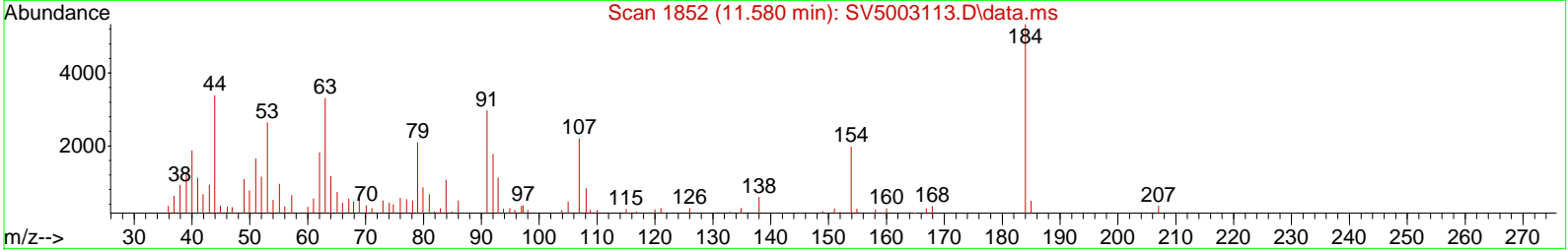
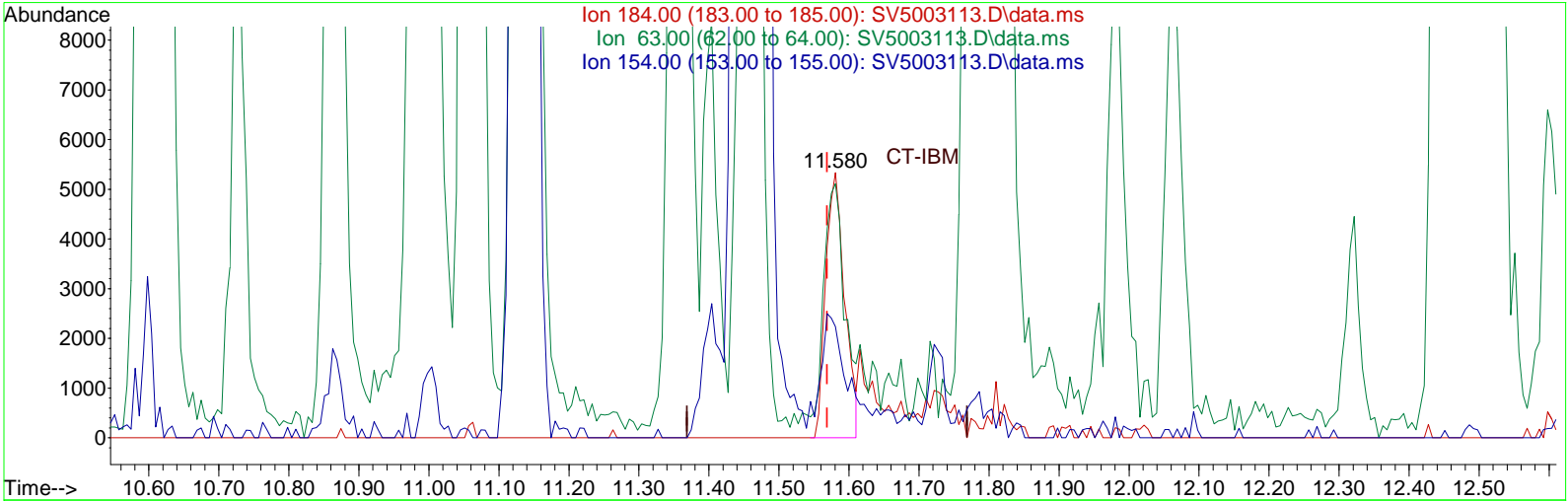
11.780min (+0.006) 12.74 ng/uL

response 85741

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	50.05
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003113.D
 Acq On : 18 Oct 2012 2:11 pm
 Operator : IBM
 Sample : CVJ0192-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:33:50 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:37:20 2012
 Response via : Initial Calibration



TIC: SV5003113.D\data.ms

(53) 2,4-Dinitrophenol (P)

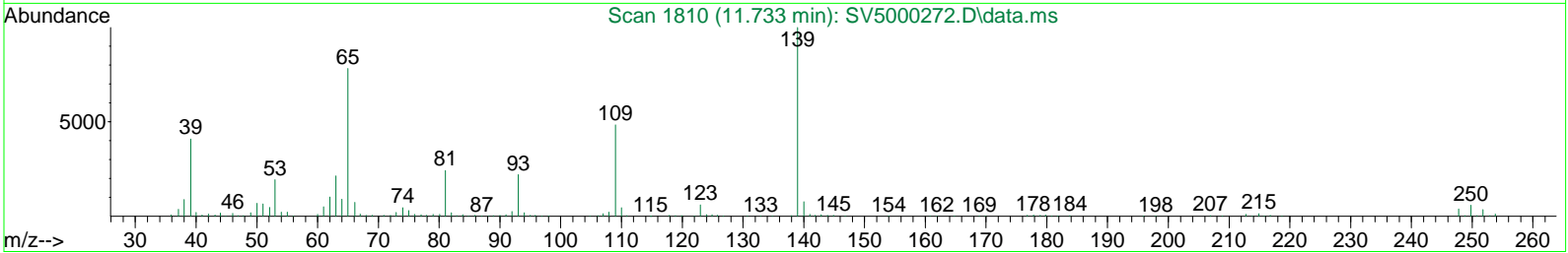
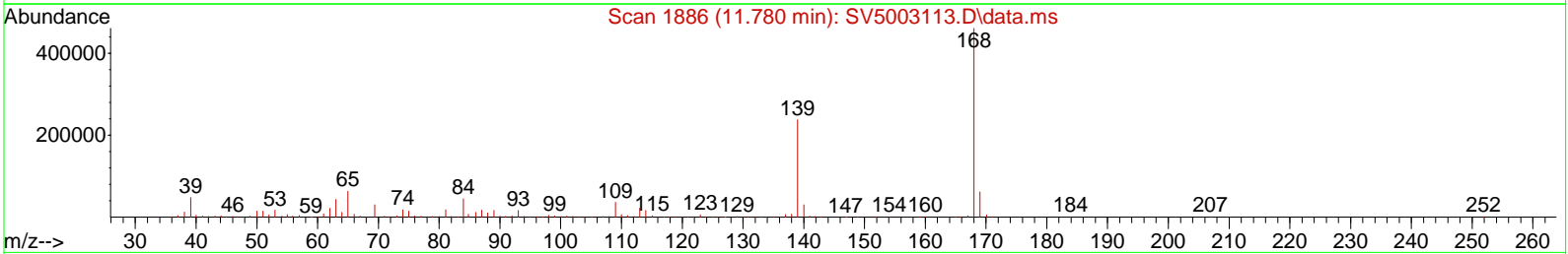
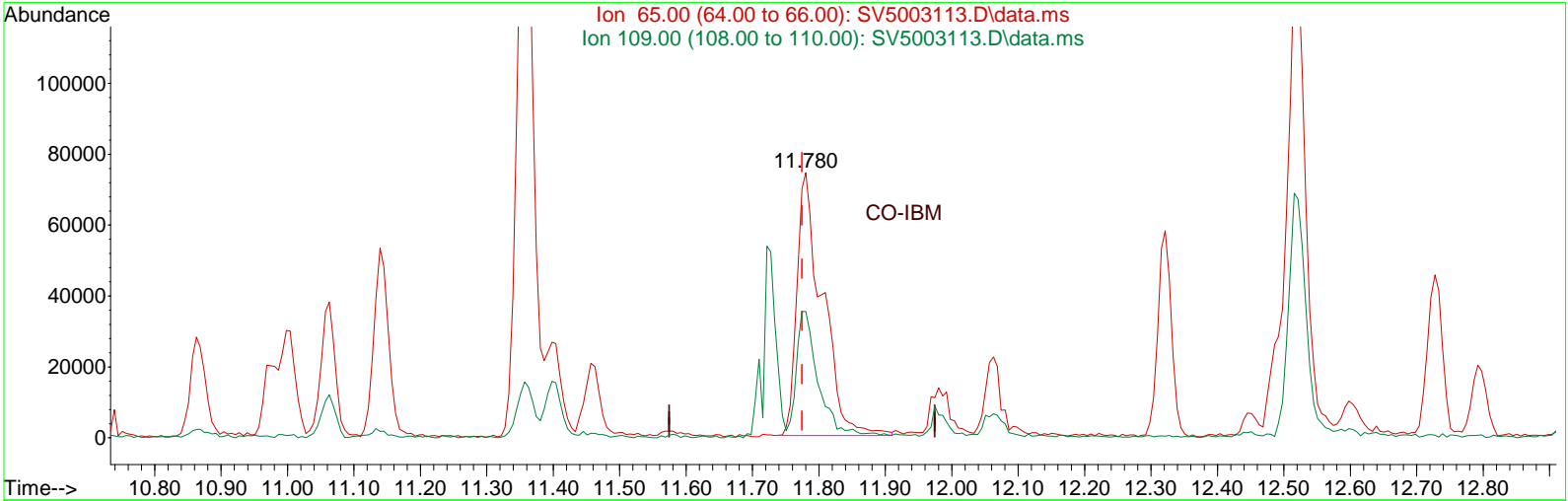
11.580min (+0.012) 4.96 ng/uL

response 10041

Ion	Exp%	Act%
184.00	100	100
63.00	106.10	107.94
154.00	44.30	38.46
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003113.D
 Acq On : 18 Oct 2012 2:11 pm
 Operator : IBM
 Sample : CVJ0192-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:33:50 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:37:20 2012
 Response via : Initial Calibration



TIC: SV5003113.D\data.ms

(55) 4-Nitrophenol (P)

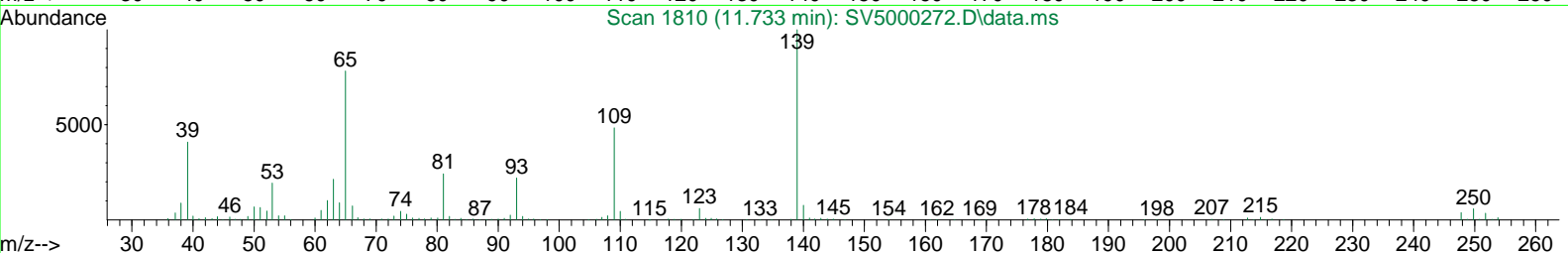
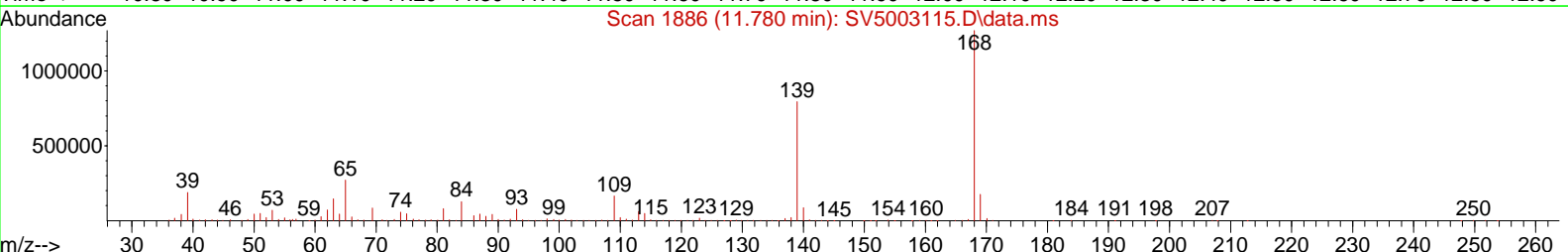
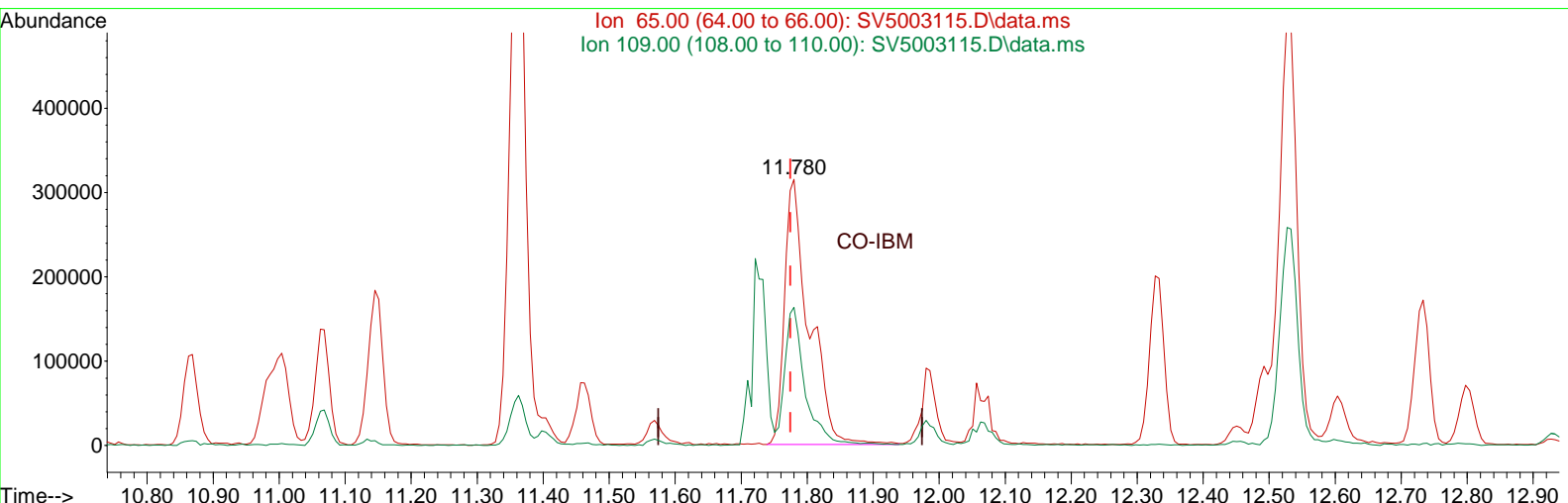
11.780min (+0.006) 30.15 ng/uL

response 198020

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	50.66
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003115.D
 Acq On : 18 Oct 2012 3:18 pm
 Operator : IBM
 Sample : CVJ0192-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:36:01 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:39:32 2012
 Response via : Initial Calibration



TIC: SV5003115.D\data.ms

(55) 4-Nitrophenol (P)

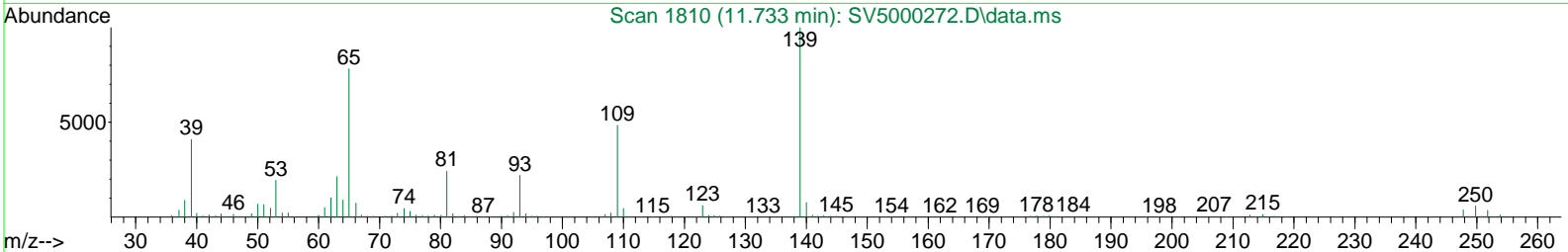
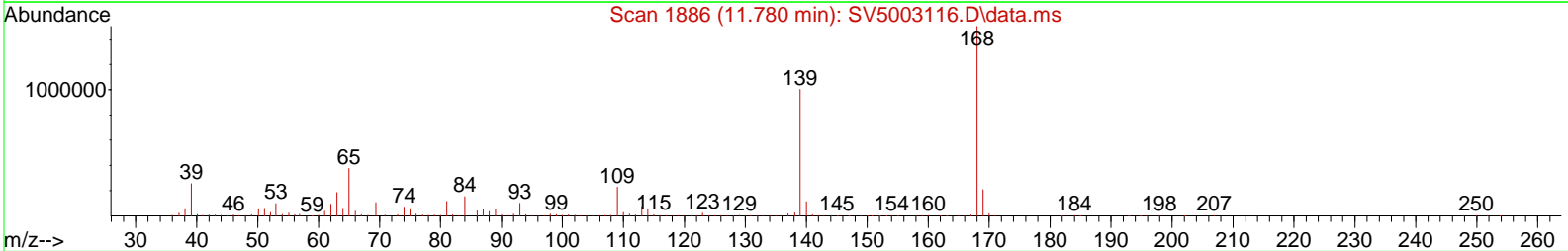
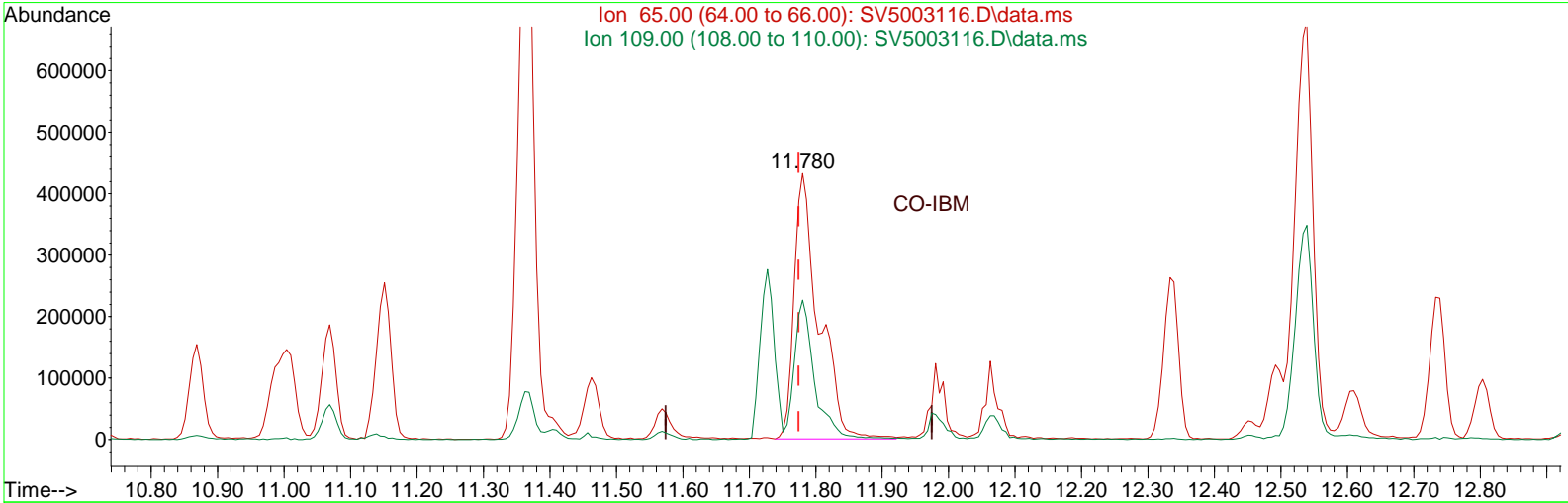
11.780min (+0.006) 125.84 ng/uL

response 816176

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	53.80
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003116.D
 Acq On : 18 Oct 2012 3:51 pm
 Operator : IBM
 Sample : CVJ0192-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:37:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:41:30 2012
 Response via : Initial Calibration



TIC: SV5003116.D\data.ms

(55) 4-Nitrophenol (P)

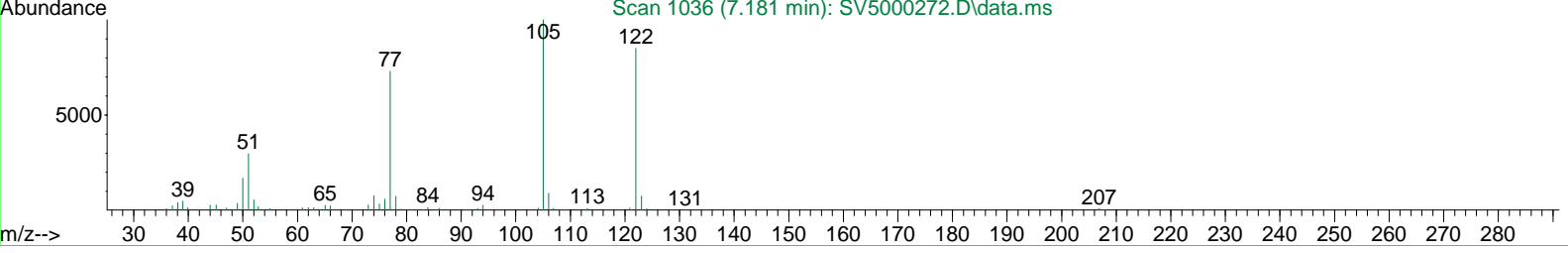
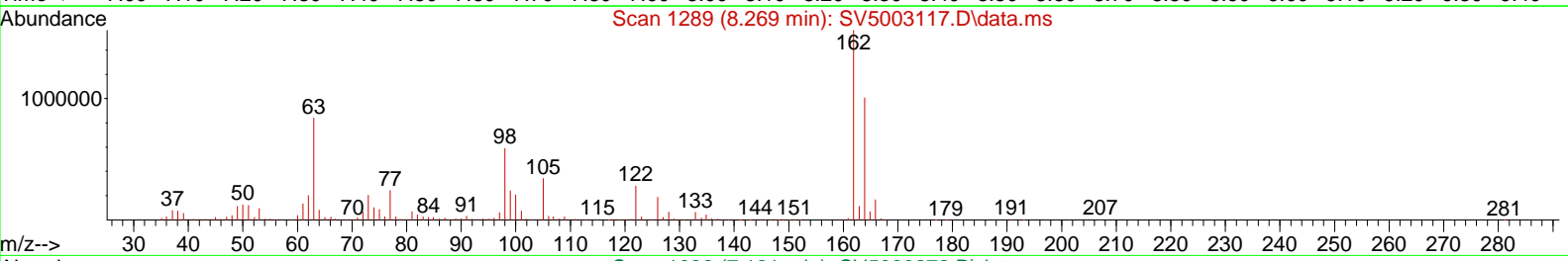
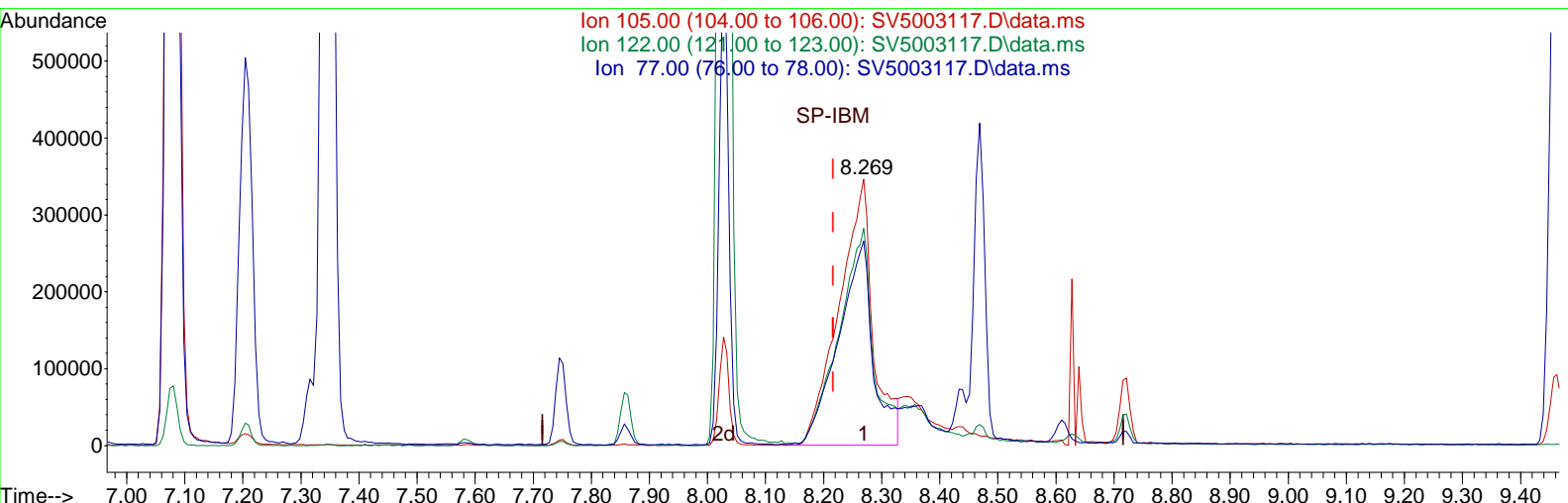
11.780min (+0.006) 162.43 ng/uL

response 1119114

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	54.09
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003117.D
 Acq On : 18 Oct 2012 4:24 pm
 Operator : IBM
 Sample : CVJ0192-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:39:27 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:43:02 2012
 Response via : Initial Calibration



TIC: SV5003117.D\data.ms

(28) Benzoic Acid

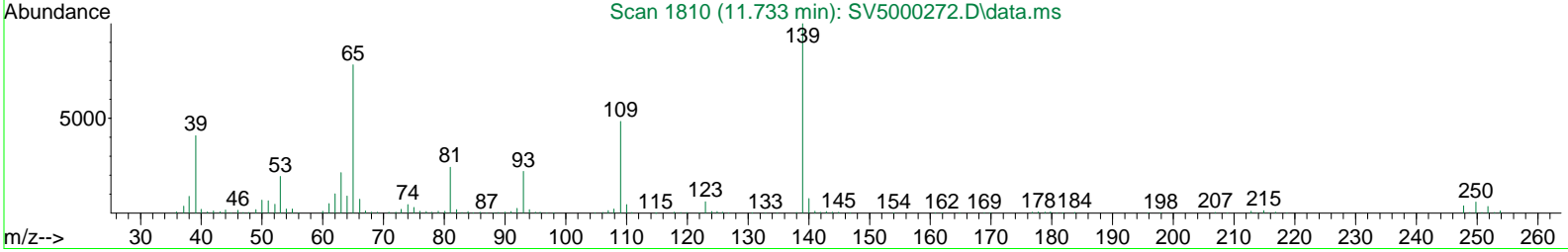
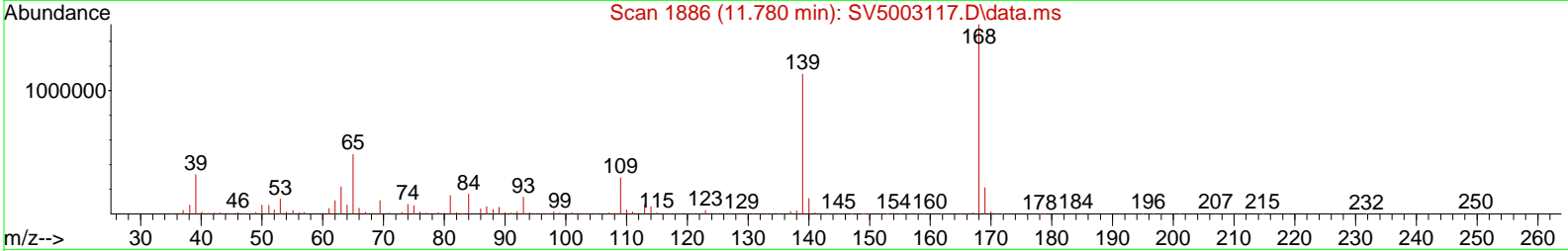
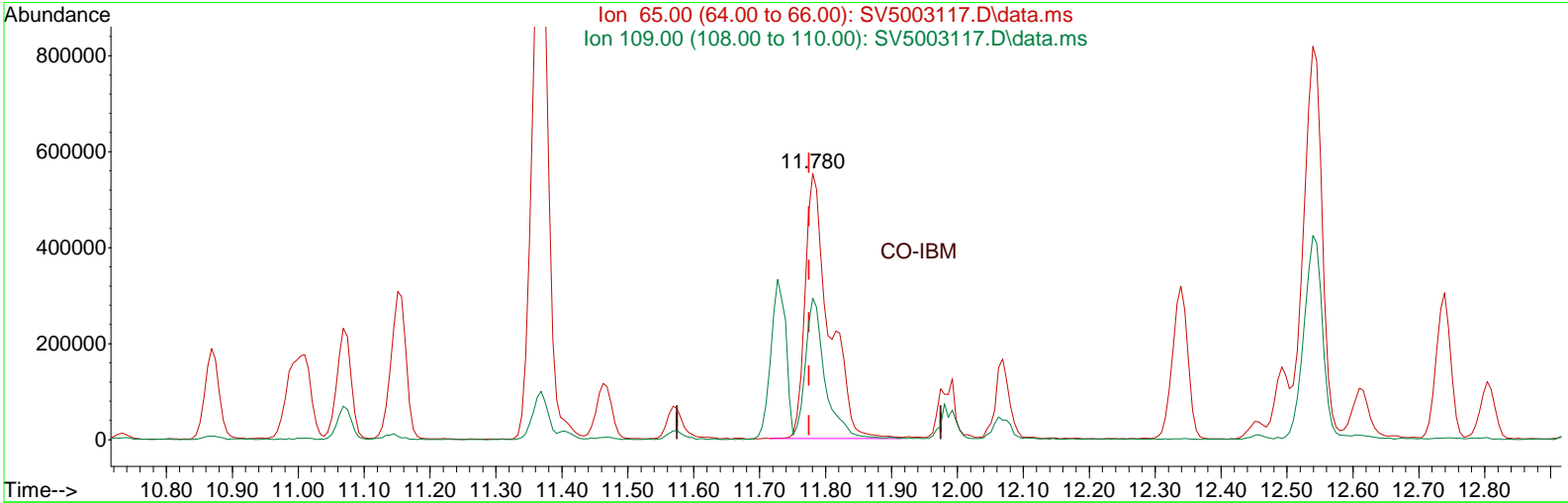
8.269min (+0.053) 124.71 ng/uL

response 1405310

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	81.88
77.00	74.50	77.31
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003117.D
 Acq On : 18 Oct 2012 4:24 pm
 Operator : IBM
 Sample : CVJ0192-CAL8
 Misc :
 ALS Vial : 10 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:39:27 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:43:02 2012
 Response via : Initial Calibration



TIC: SV5003117.D\data.ms

(55) 4-Nitrophenol (P)

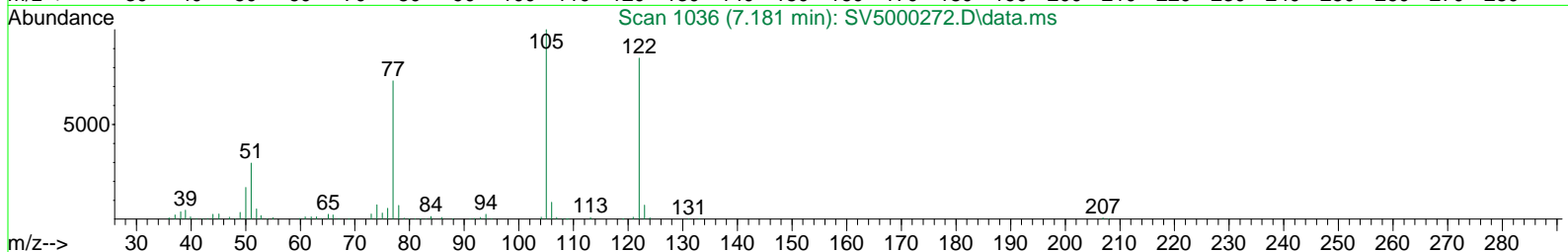
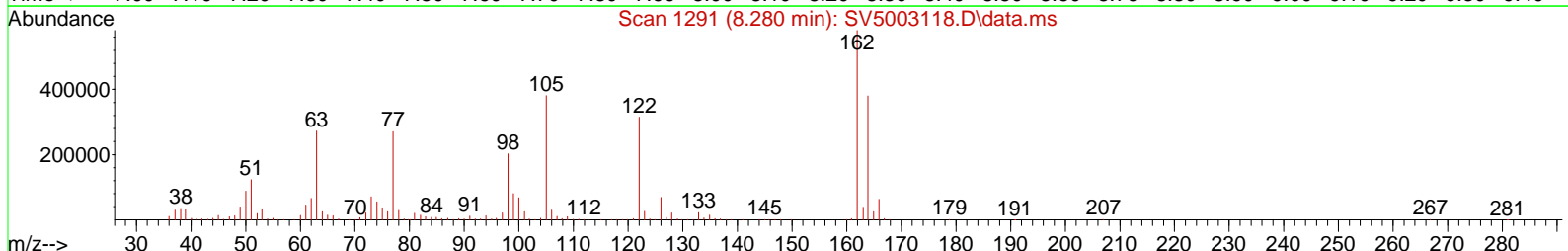
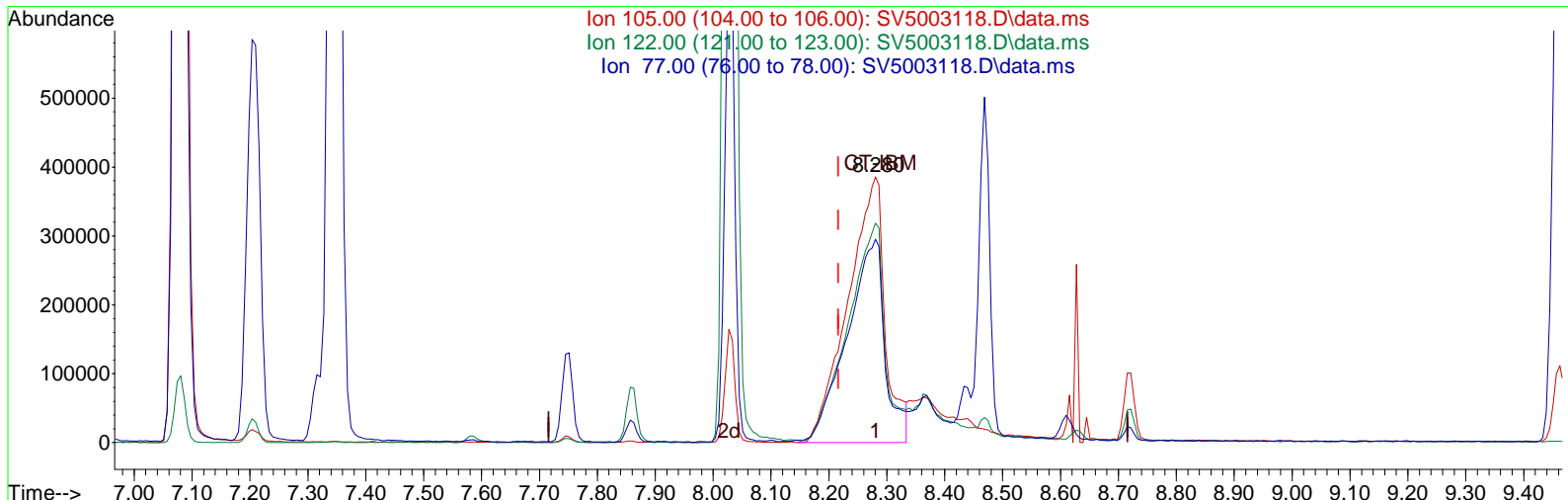
11.780min (+0.006) 198.59 ng/uL

response 1402868

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	54.35
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003118.D
 Acq On : 18 Oct 2012 4:57 pm
 Operator : IBM
 Sample : CVJ0192-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:41:22 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:44:56 2012
 Response via : Initial Calibration



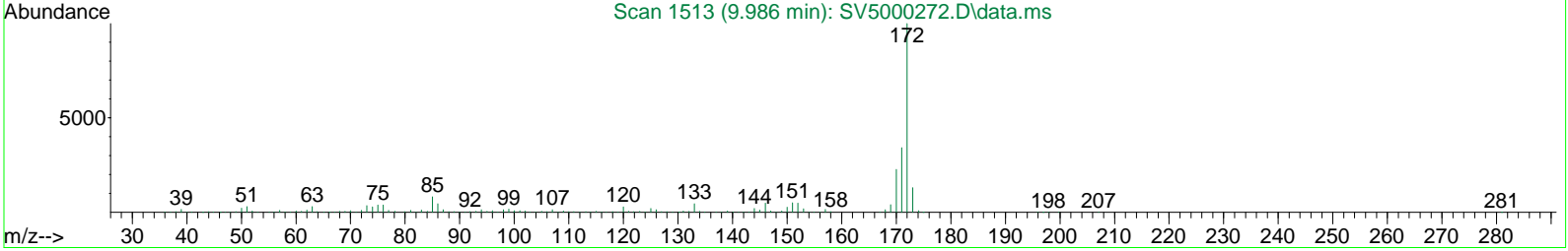
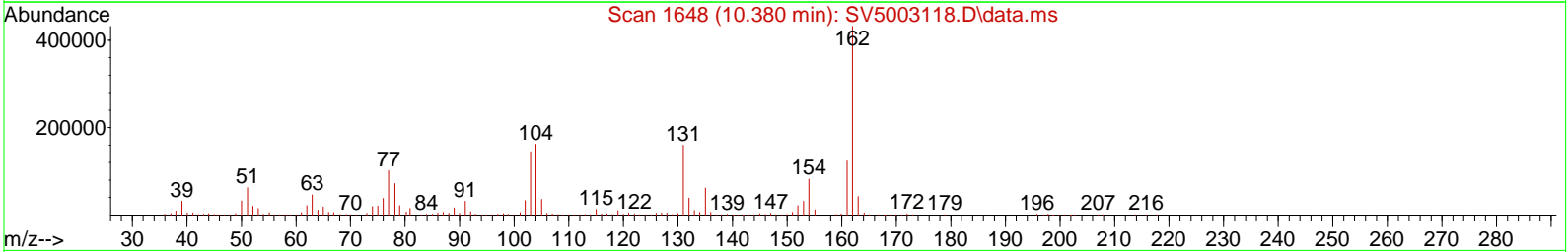
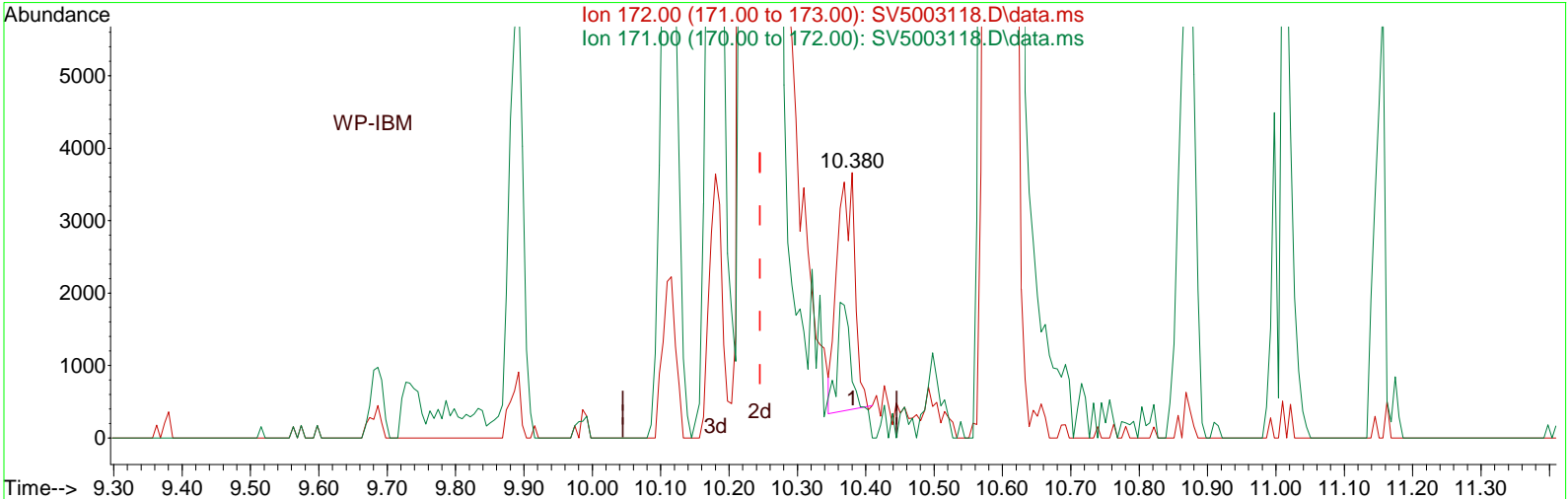
TIC: SV5003118.D\data.ms

(28) Benzoic Acid
 8.280min (+0.064) 147.30 ng/uL
 response 1707926

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	83.04
77.00	74.50	78.01
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003118.D
 Acq On : 18 Oct 2012 4:57 pm
 Operator : IBM
 Sample : CVJ0192-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:41:22 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:44:56 2012
 Response via : Initial Calibration



TIC: SV5003118.D\data.ms

(45) 2-Fluorobiphenyl (SURR) (S)

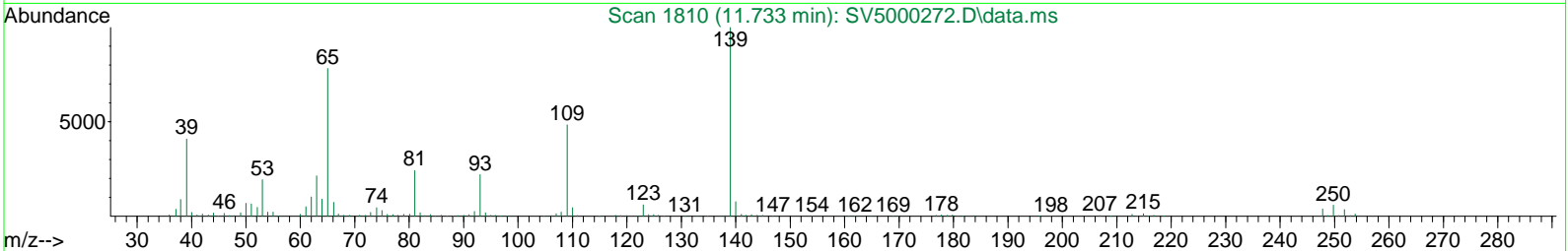
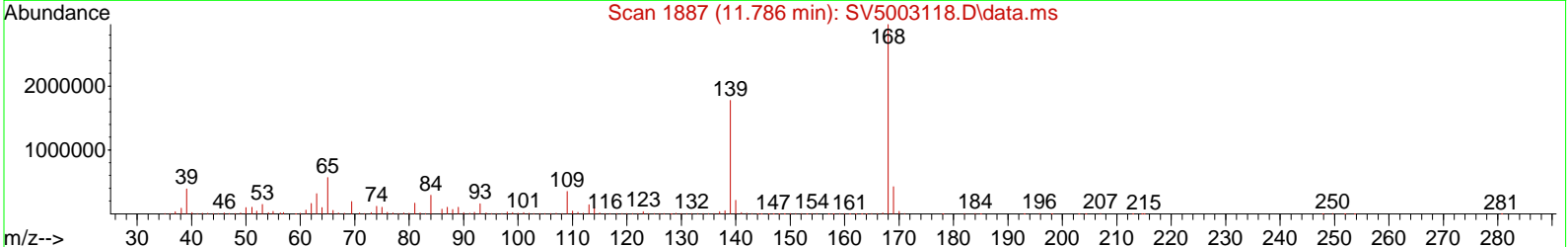
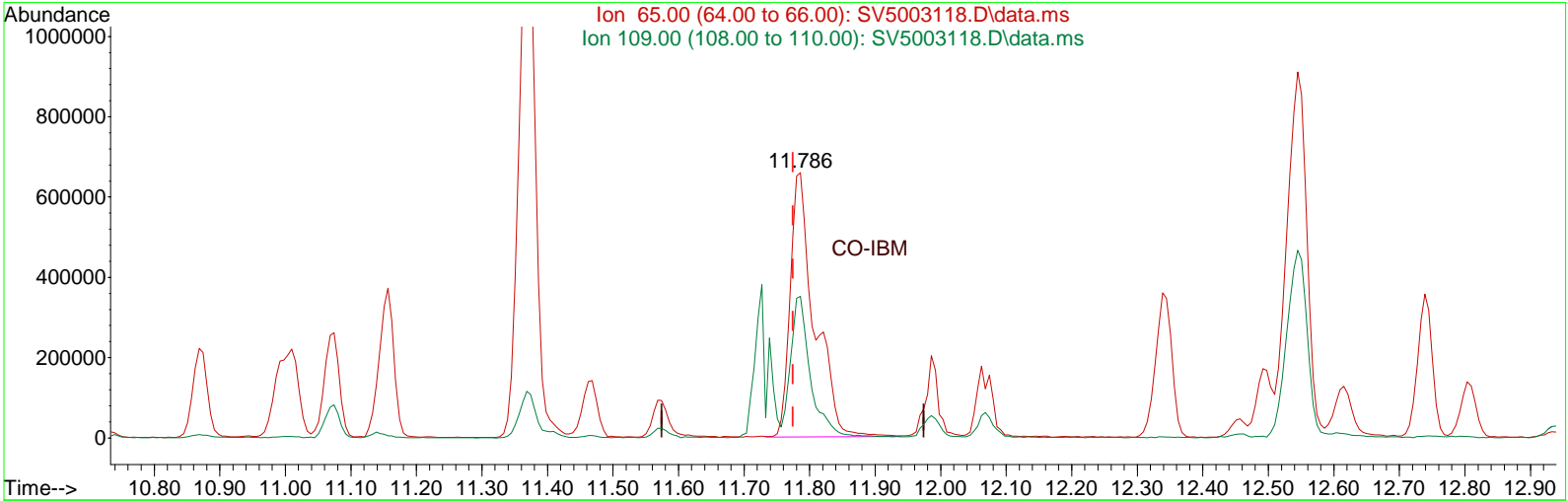
10.380min (+0.135) 0.11 ng/uL

response 5792

Ion	Exp%	Act%
172.00	100	100
171.00	106.70	91.87
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003118.D
 Acq On : 18 Oct 2012 4:57 pm
 Operator : IBM
 Sample : CVJ0192-CAL9
 Misc :
 ALS Vial : 11 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:41:22 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:44:56 2012
 Response via : Initial Calibration



TIC: SV5003118.D\data.ms

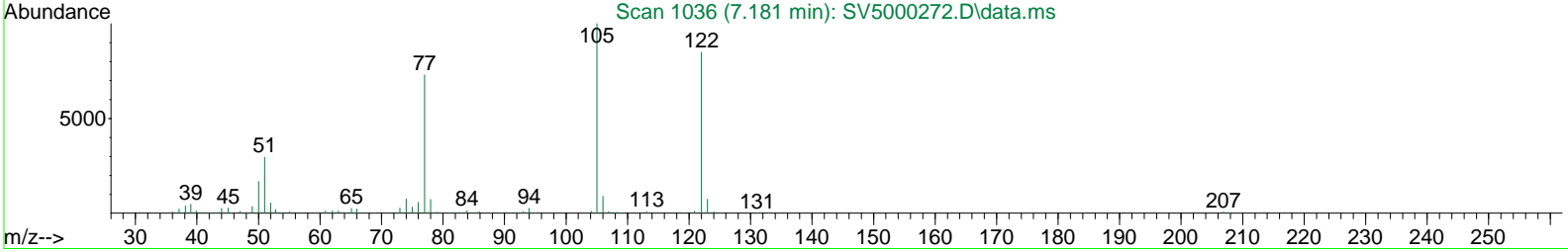
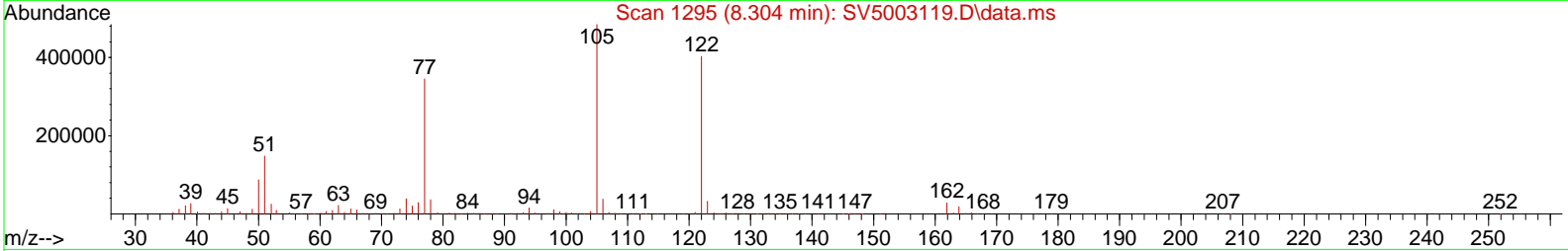
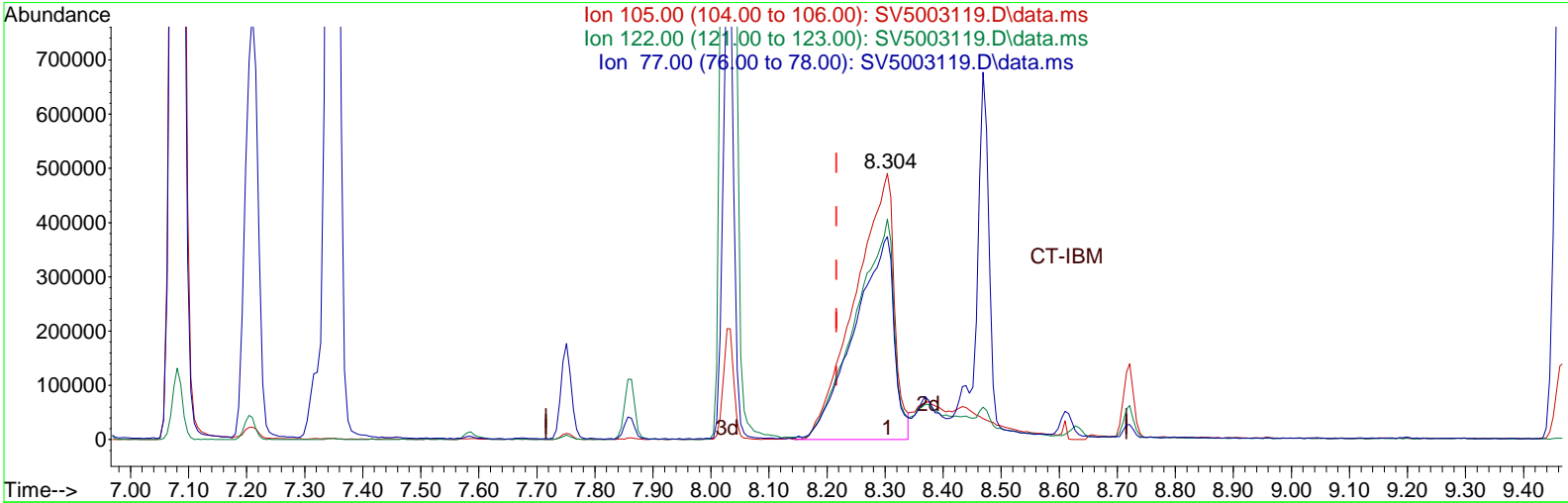
(55) 4-Nitrophenol (P)
 11.786min (+0.011) 230.04 ng/uL

response 1700240

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	55.60
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003119.D
 Acq On : 18 Oct 2012 5:31 pm
 Operator : IBM
 Sample : CVJ0192-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:43:24 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:46:59 2012
 Response via : Initial Calibration



TIC: SV5003119.D\data.ms

(28) Benzoic Acid

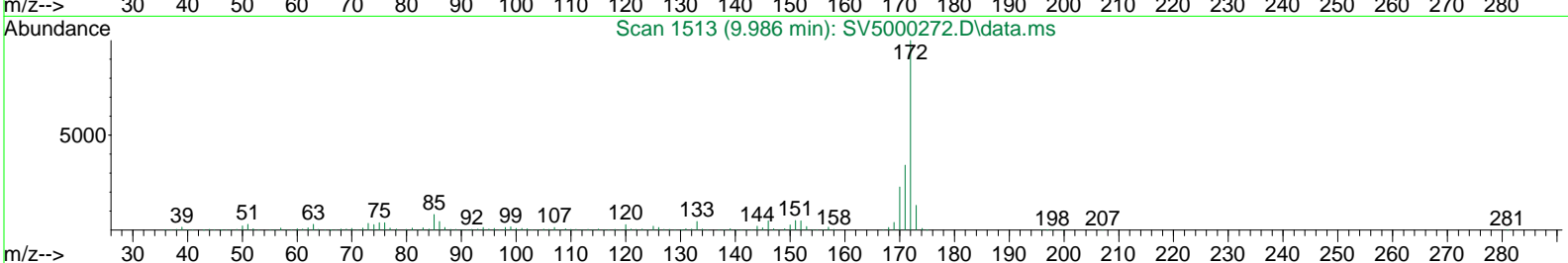
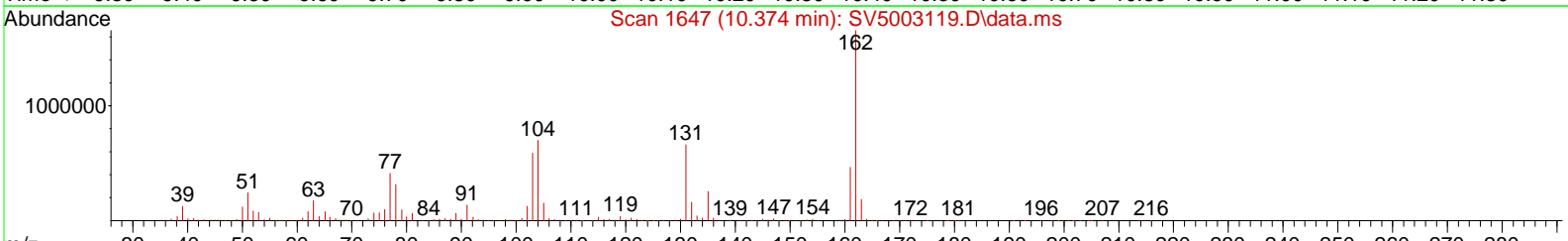
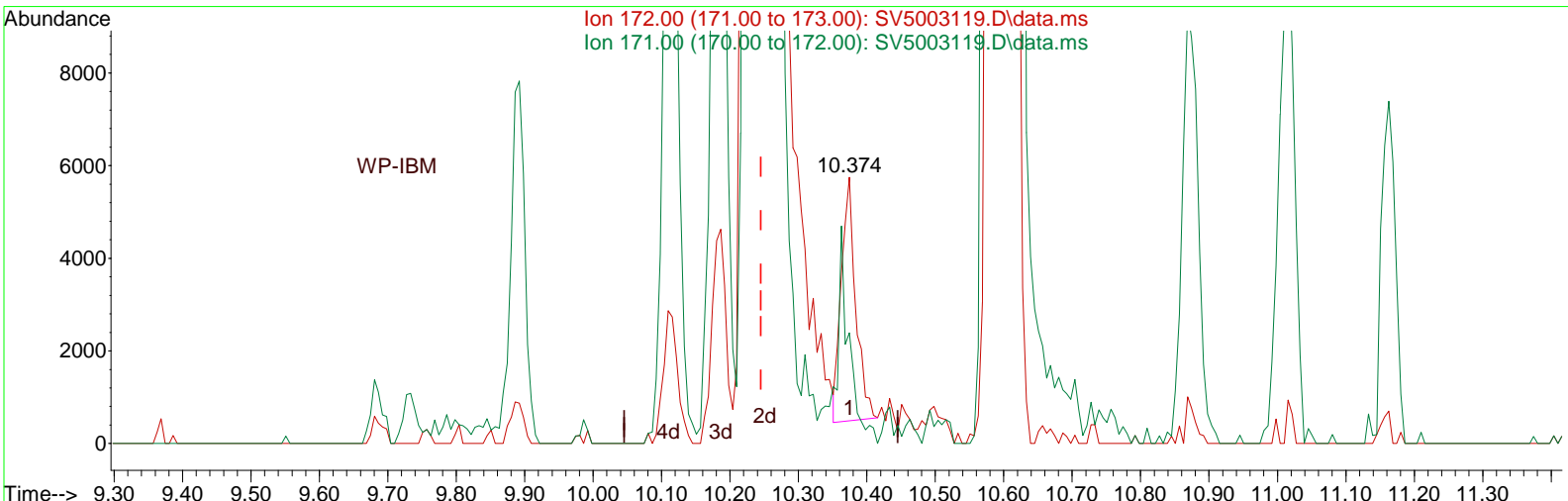
8.304min (+0.088) 197.91 ng/uL

response 2284331

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	83.04
77.00	74.50	77.49
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003119.D
 Acq On : 18 Oct 2012 5:31 pm
 Operator : IBM
 Sample : CVJ0192-CALA
 Misc :
 ALS Vial : 12 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:43:24 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:46:59 2012
 Response via : Initial Calibration



TIC: SV5003119.D\data.ms

(45) 2-Fluorobiphenyl (SURR) (S)

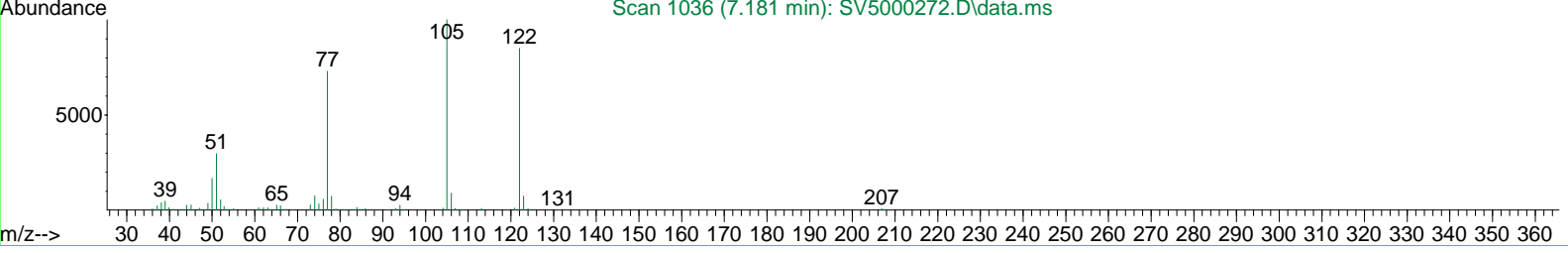
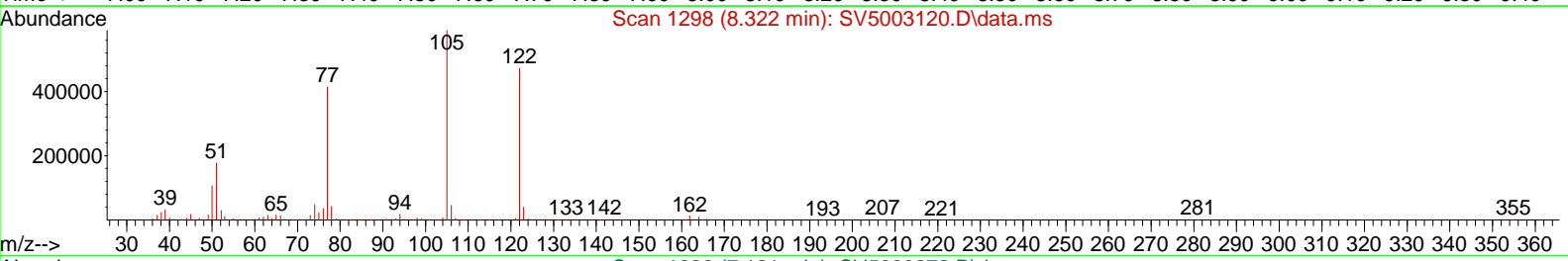
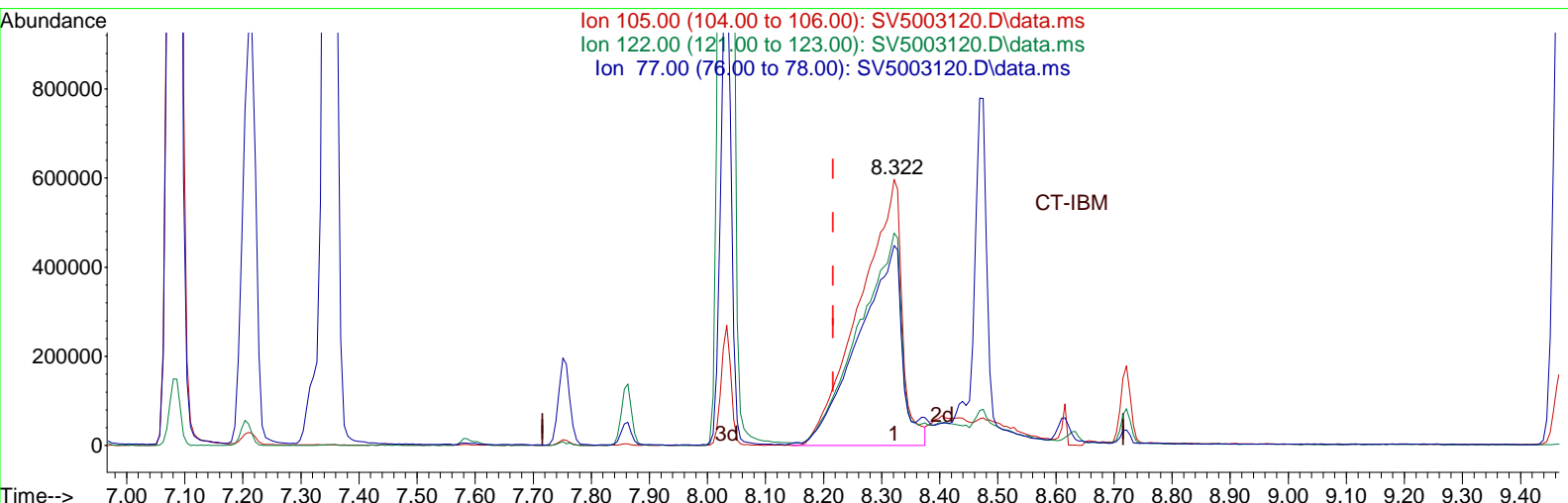
10.374min (+0.129) 0.15 ng/uL

response 7718

Ion	Exp%	Act%
172.00	100	100
171.00	106.70	111.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003120.D
 Acq On : 18 Oct 2012 6:04 pm
 Operator : IBM
 Sample : CVJ0192-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:45:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:48:41 2012
 Response via : Initial Calibration



TIC: SV5003120.D\data.ms

(28) Benzoic Acid

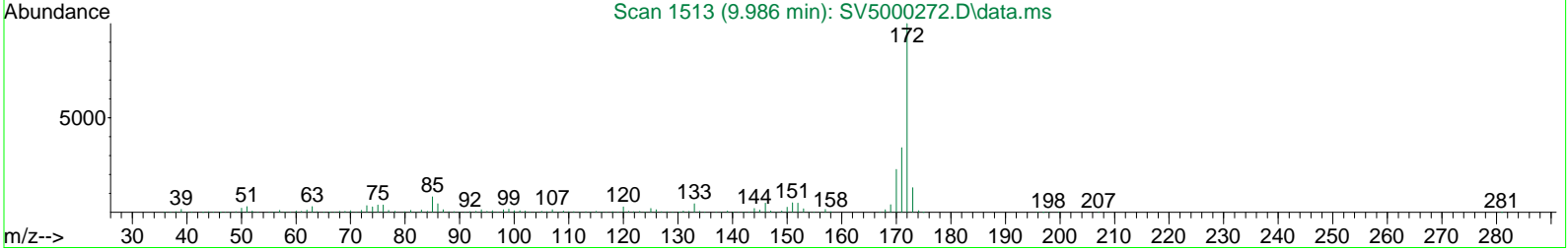
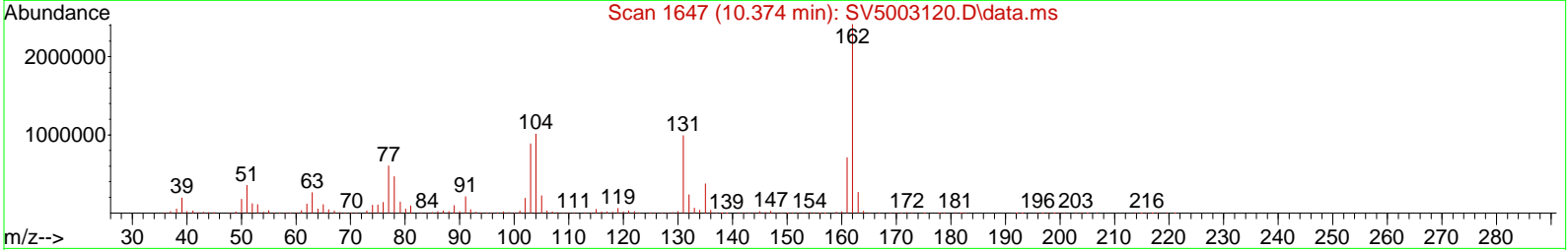
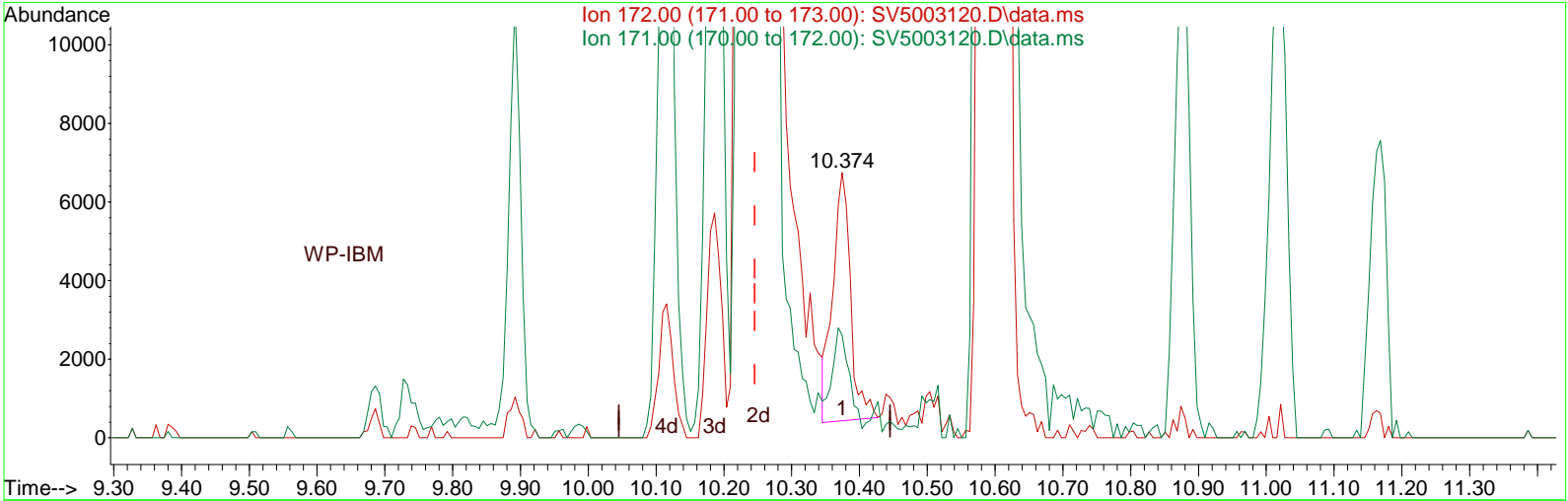
8.322min (+0.106) 256.58 ng/uL

response 2987914

Ion	Exp%	Act%
105.00	100	100
122.00	83.90	80.12
77.00	74.50	76.34
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003120.D
 Acq On : 18 Oct 2012 6:04 pm
 Operator : IBM
 Sample : CVJ0192-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:45:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:48:41 2012
 Response via : Initial Calibration



TIC: SV5003120.D\data.ms

(45) 2-Fluorobiphenyl (SURR) (S)

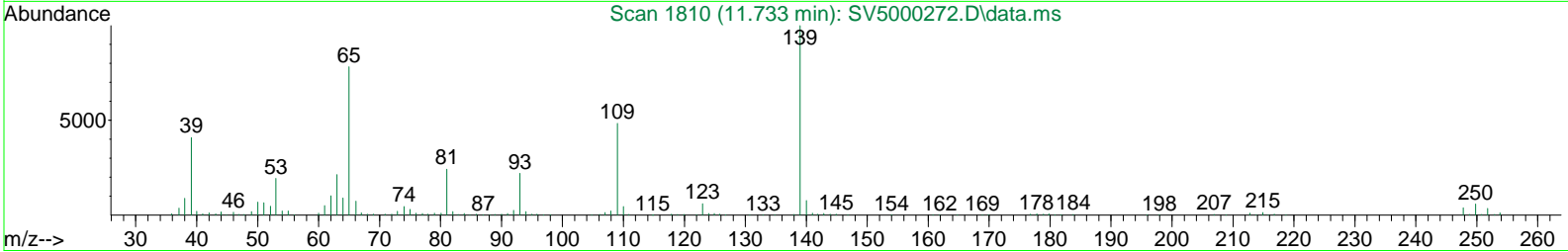
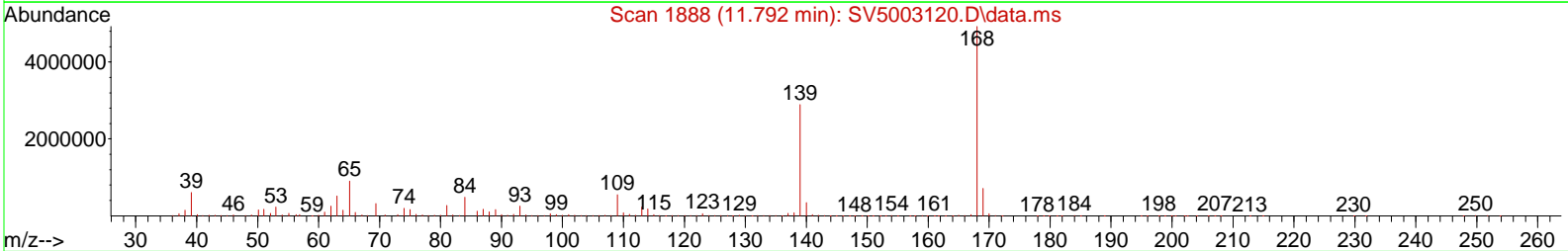
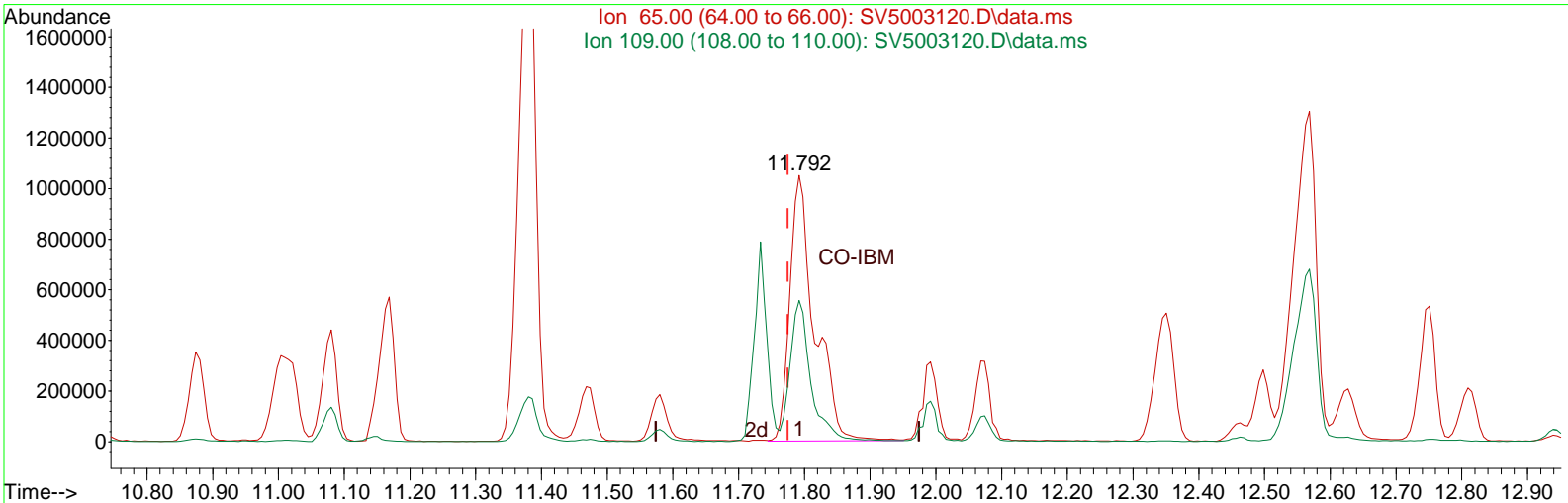
10.374min (+0.129) 0.22 ng/uL

response 11524

Ion	Exp%	Act%
172.00	100	100
171.00	106.70	108.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003120.D
 Acq On : 18 Oct 2012 6:04 pm
 Operator : IBM
 Sample : CVJ0192-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:45:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:48:41 2012
 Response via : Initial Calibration



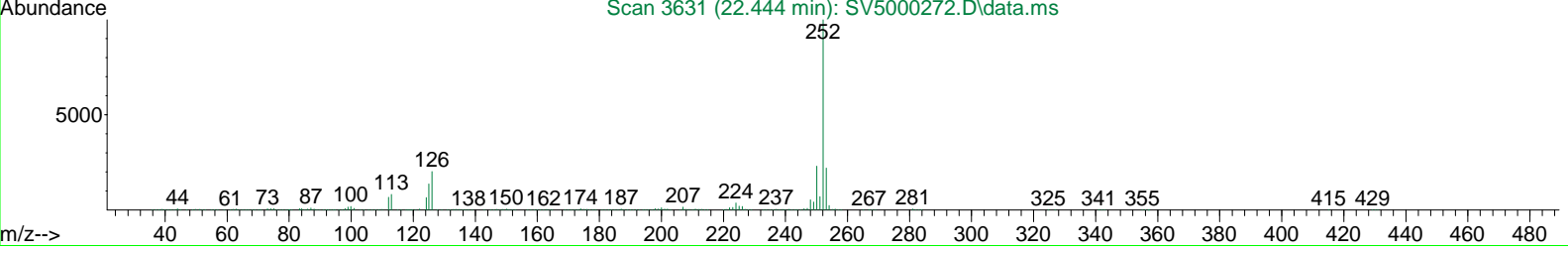
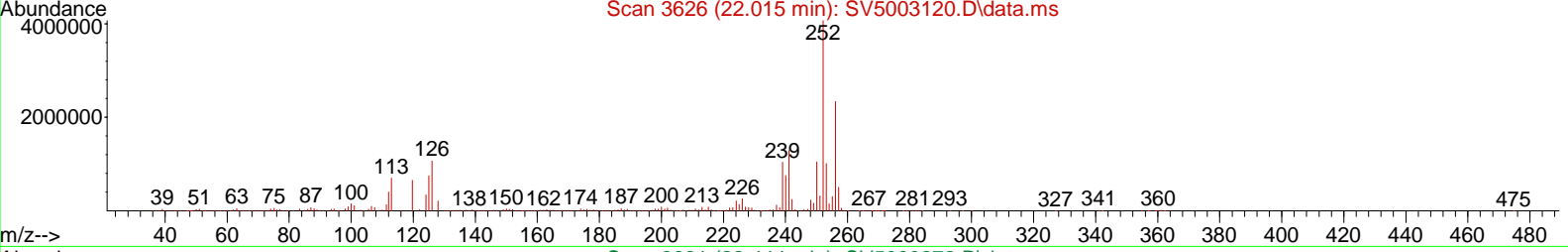
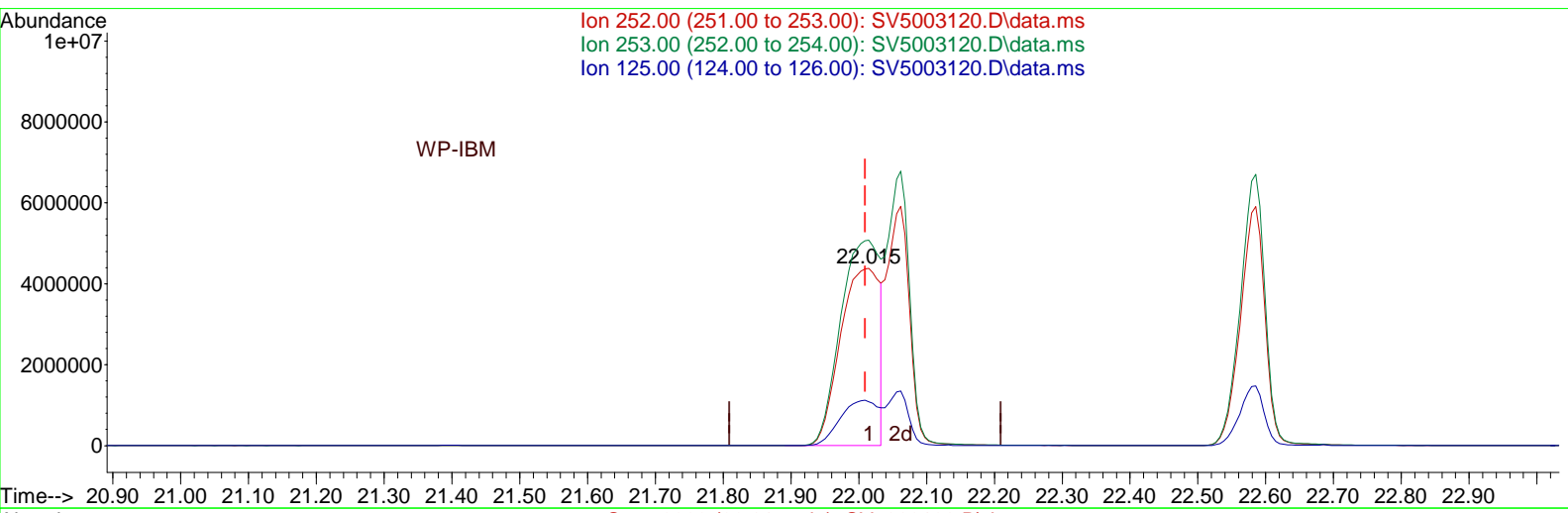
TIC: SV5003120.D\data.ms

(55) 4-Nitrophenol (P)
 11.792min (+0.017) 374.68 ng/uL
 response 2756623

Ion	Exp%	Act%
65.00	100	100
109.00	58.60	55.75
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\101812\
 Data File : SV5003120.D
 Acq On : 18 Oct 2012 6:04 pm
 Operator : IBM
 Sample : CVJ0192-CALB
 Misc :
 ALS Vial : 13 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 19 08:45:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Fri Oct 19 08:48:41 2012
 Response via : Initial Calibration



TIC: SV5003120.D\data.ms

(90) Benzo(k)fluoranthene

22.015min (+0.006) 314.57 ng/uL

response 17544994

Ion	Exp%	Act%
252.00	100	100
253.00	114.20	115.84
125.00	44.70	48.89
0.00	0.00	0.00

SVOA

ESS LABORATORY MS5 RUN LOG

DATE 10/18/12
 ANALYST IBM
 METHOD SV5AV
 Internal Std: 2I07103
 Tune Method: DFTPP

Work orders reported: _____

MATRIX SEQ ID CAL ID
 SOIL CVJ0192 1210020
 AQ CVJ0193 1210021

METHOD (2) SV5AV
 Internal Std: 2I07103
 Tune Method: DFTPP

MATRIX SEQ ID CAL ID
 SOIL CVJ0205 1210020
 AQ CVJ0206 1210021

VIAL #	SAMPLE ID	METHOD	FILE ID	M	STD ID/COMMENTS	BATCH ID	MATRIX	RW	RPT	IMP	BY
1	CVJ0192-TUN1	DFTPP	SV5003108	1	2I24070						IBM X
2	CVJ0192-CCV1	SV5A	SV5003109	1	2J18052						
3	CVJ0192-CAL1	SV5A	SV5003110	1	2J18053						IBM X
4	CVJ0192-CAL2	SV5A	SV5003111	1	2J18054						IBM X
5	CVJ0192-CAL3	SV5A	SV5003112	1	2J18055						IBM X
6	CVJ0192-CAL4	SV5A	SV5003113	1	2J18056						IBM X
7	CVJ0192-CAL5	SV5A	SV5003114	1	2J18057						IBM X
8	CVJ0192-CAL6	SV5A	SV5003115	1	2J18058						IBM X
9	CVJ0192-CAL7	SV5A	SV5003116	1	2J18059						IBM X
10	CVJ0192-CAL8	SV5A	SV5003117	1	2J18060						IBM X
11	CVJ0192-CAL9	SV5A	SV5003118	1	2J18061						IBM X
12	CVJ0192-CALA	SV5A	SV5003119	1	2J18062						IBM X
13	CVJ0192-CALB	SV5A	SV5003120	1	2J18063						IBM X
14	CVJ0192-SCV1	SV5A	SV5003121	1	2J18091						IBM X
1	CVJ0205-TUN1	DFTPP	SV5003122	1	2I24070						
2	CVJ0205-CCV1	SV5A	SV5003123	1	2J18052						
76	CJ21819-BLK1	SV5A	SV5003124	1							
77	CJ21819-BS1	SV5A	SV5003125	1							
78	CJ21819-BSD1	SV5A	SV5003126	1							
79	CJ21722-BLK1	SV5A	SV5003127	1							
80	CJ21722-BS1	SV5A	SV5003128	1							
81	CJ21722-BSD1	SV5A	SV5003129	1							
82	1210335-02	SV5A	SV5003130	1							
83	1210336-01	SV5A	SV5003131	1	5X						
84	1210294-01	SV5A	SV5003132	1							
85	1210296-01	SV5A	SV5003133	1	5X						
86	1210353-01	SV5A	SV5003134	1							
87	1210325-01	SV5A	SV5003135	1							
88	1210317-01	SV5A	SV5003136	1							
89	1210318-01	SV5A	SV5003137	1							
90	1210320-01	SV5A	SV5003138	1							
91	1210345-02	SV5A	SV5003139	1							
92	1210345-01	SV5A	SV5003140	1	5X						

QUADS: 2,4-DNP, PCP

SCV: HCCPD 77%, BENZIDINE 65%

CCAL: _____

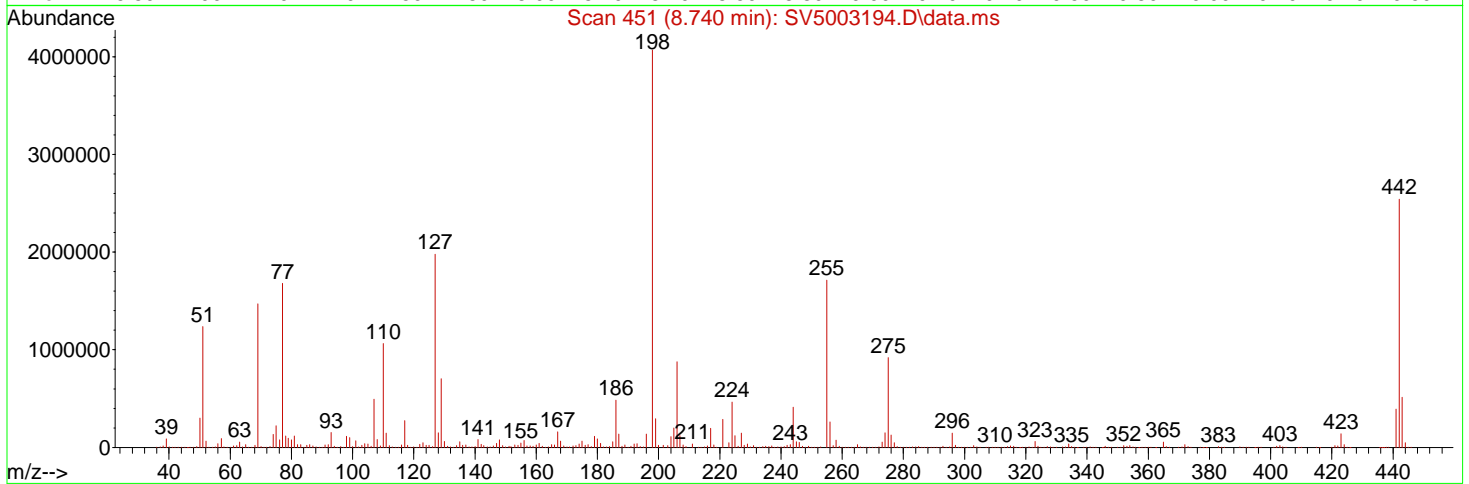
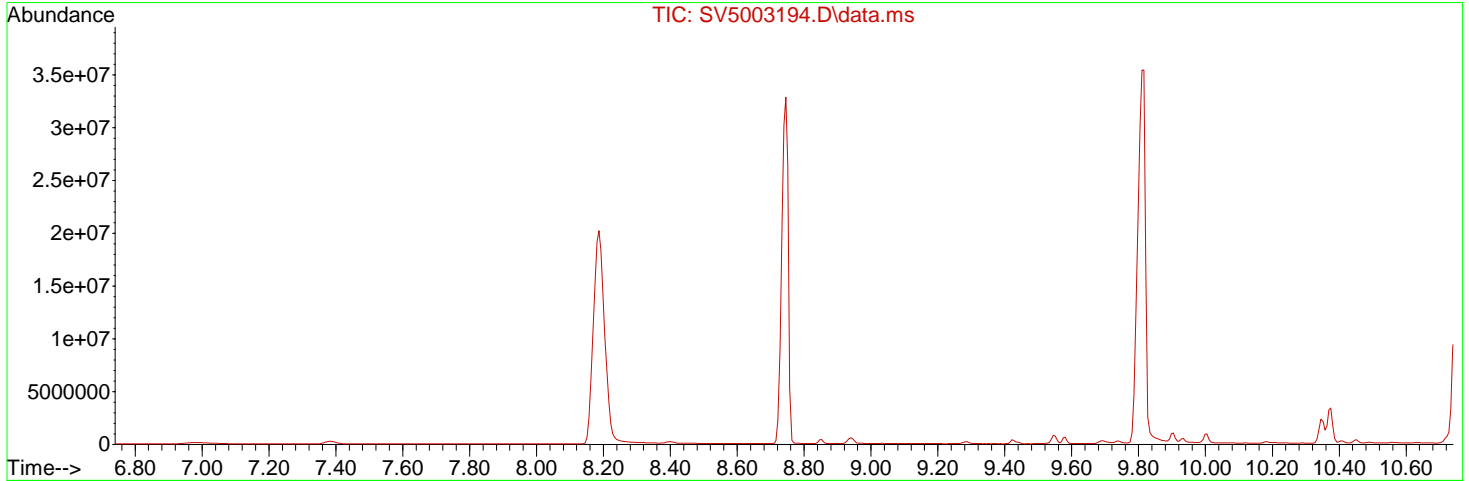
Comments: _____

Review (includes a check and review of manual integrations)

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003194.D
 Acq On : 23 Oct 2012 3:07 pm
 Operator : IBM
 Sample : CVJ0258-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Integration File: RTEINT.P

Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 Last Update : Tue Oct 23 09:31:38 2012

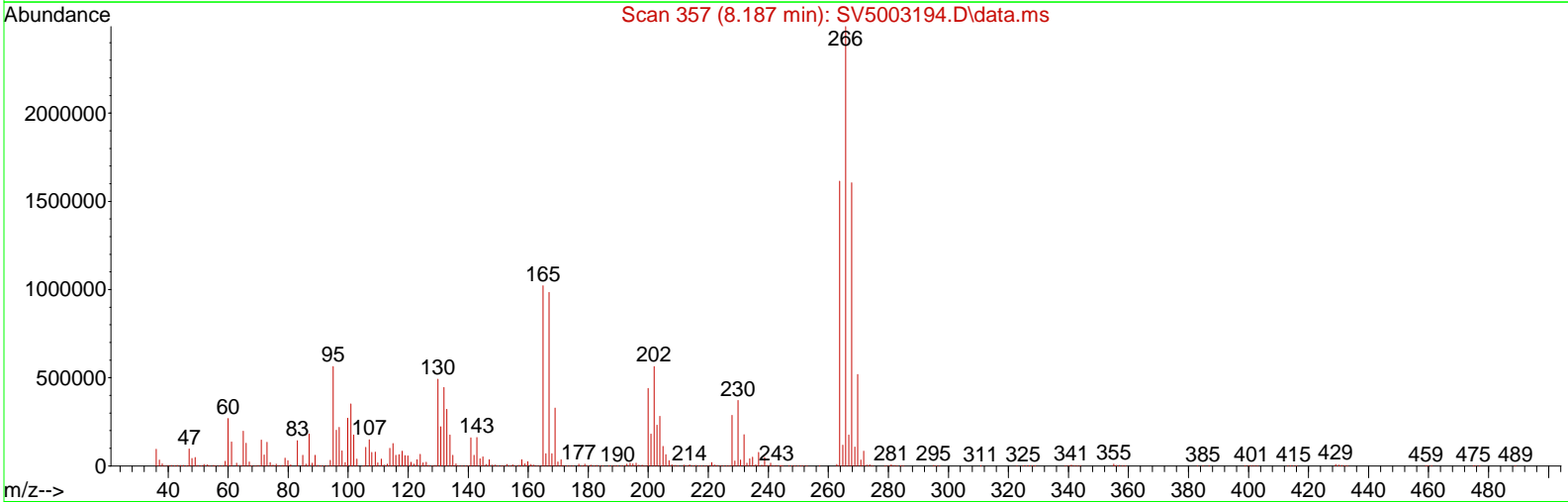
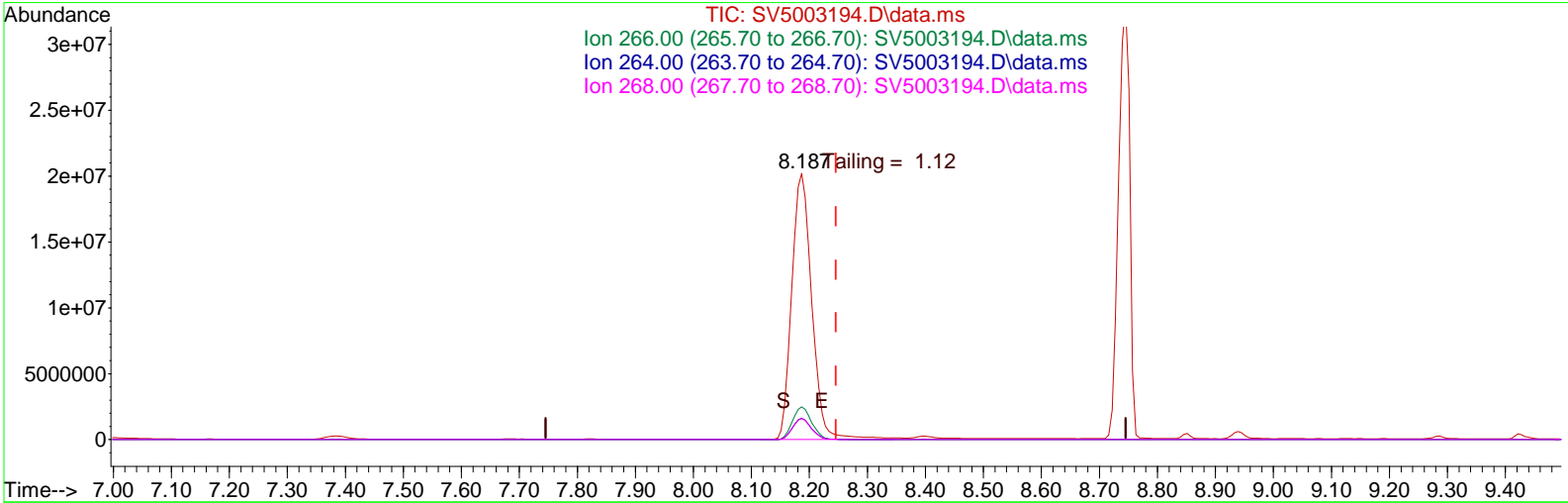


Spectrum Information: Scan 451

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	30.4	1239040	PASS
68	69	0.00	2	1.5	22536	PASS
69	198	0.00	100	36.1	1471488	PASS
70	69	0.00	2	0.5	7159	PASS
127	198	40	60	48.6	1979392	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	4070912	PASS
199	198	5	9	7.2	292416	PASS
275	198	10	30	22.6	919872	PASS
365	198	1	100	1.4	54976	PASS
441	443	0.01	100	76.3	392512	PASS
442	198	40	100	62.5	2543616	PASS
443	442	17	23	20.2	514304	PASS

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003194.D
 Acq On : 23 Oct 2012 3:07 pm
 Operator : IBM
 Sample : CVJ0258-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:34:44 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:21:57 2012
 Response via : Initial Calibration



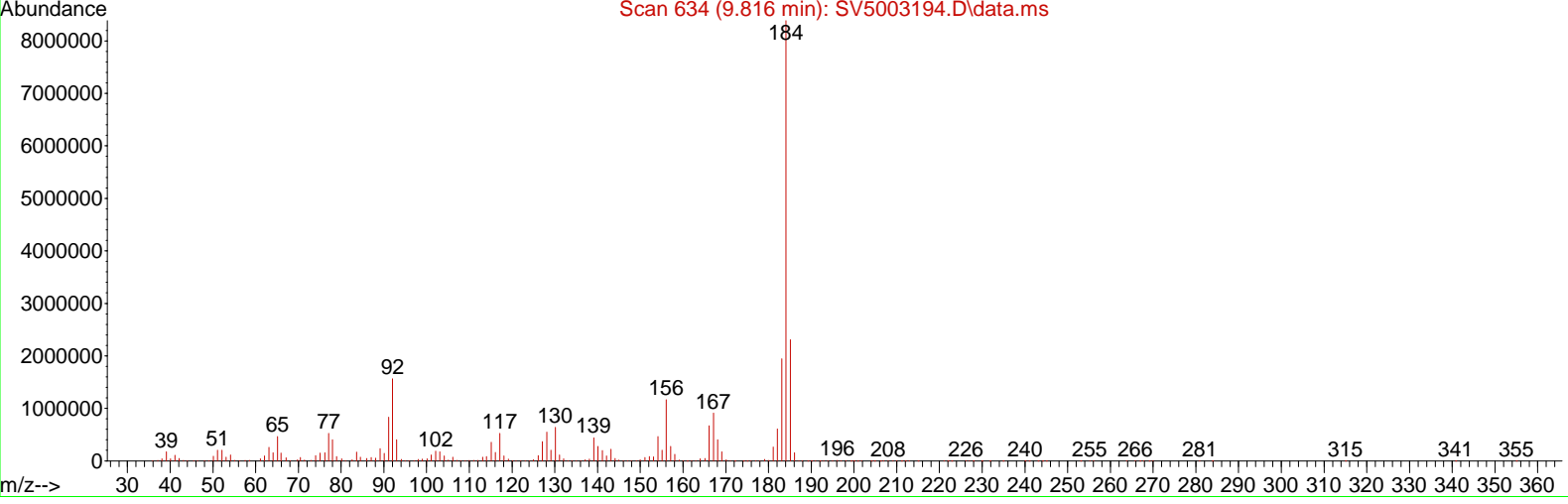
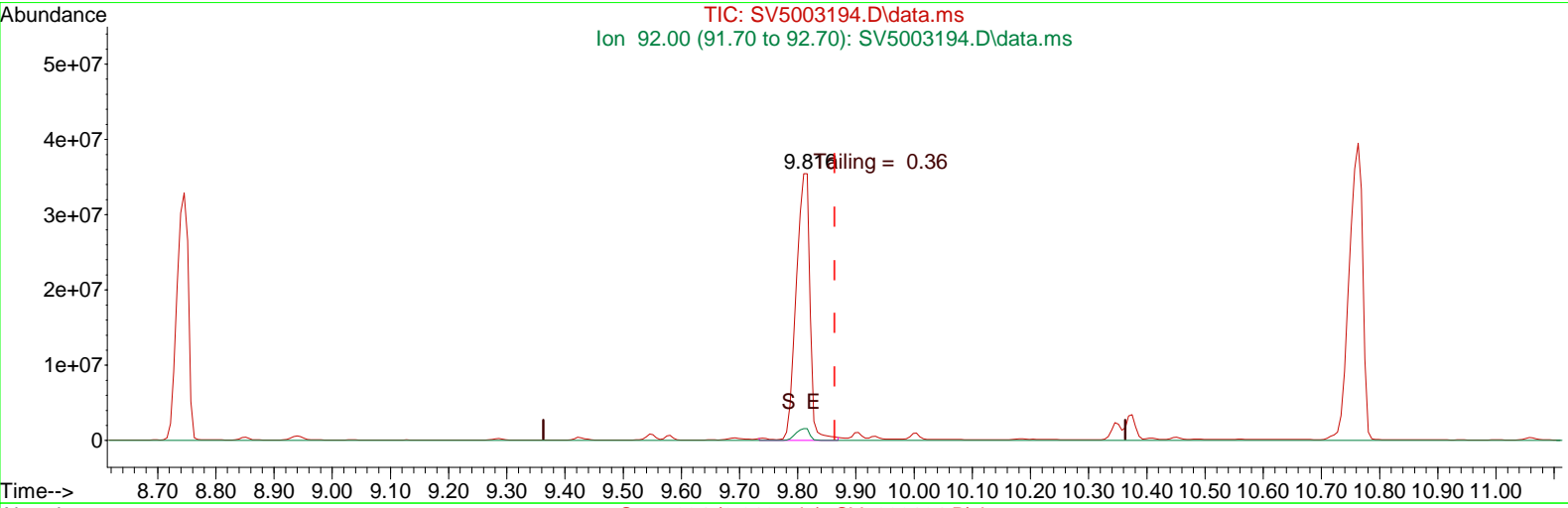
TIC: SV5003194.D\data.ms

(2) Pentachlorophenol (I)
 8.187min (-0.059) 99.36 PPM
 response 48156607

Signal	Exp%	Act%
TIC	100	100
266.00	0.00	12.02#
264.00	0.00	7.69#
268.00	0.00	7.61#

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003194.D
 Acq On : 23 Oct 2012 3:07 pm
 Operator : IBM
 Sample : CVJ0258-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:34:44 2012
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 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:21:57 2012
 Response via : Initial Calibration



TIC: SV5003194.D\data.ms

(3) Benzidine (I)
 9.816min (-0.047) 72.17 PPM
 response 57762731

Signal	Exp%	Act%
TIC	100	100
92.00	0.00	4.63#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003194.D
 Acq On : 23 Oct 2012 3:07 pm
 Operator : IBM
 Sample : CVJ0258-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:35:09 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:21:57 2012
 Response via : Initial Calibration

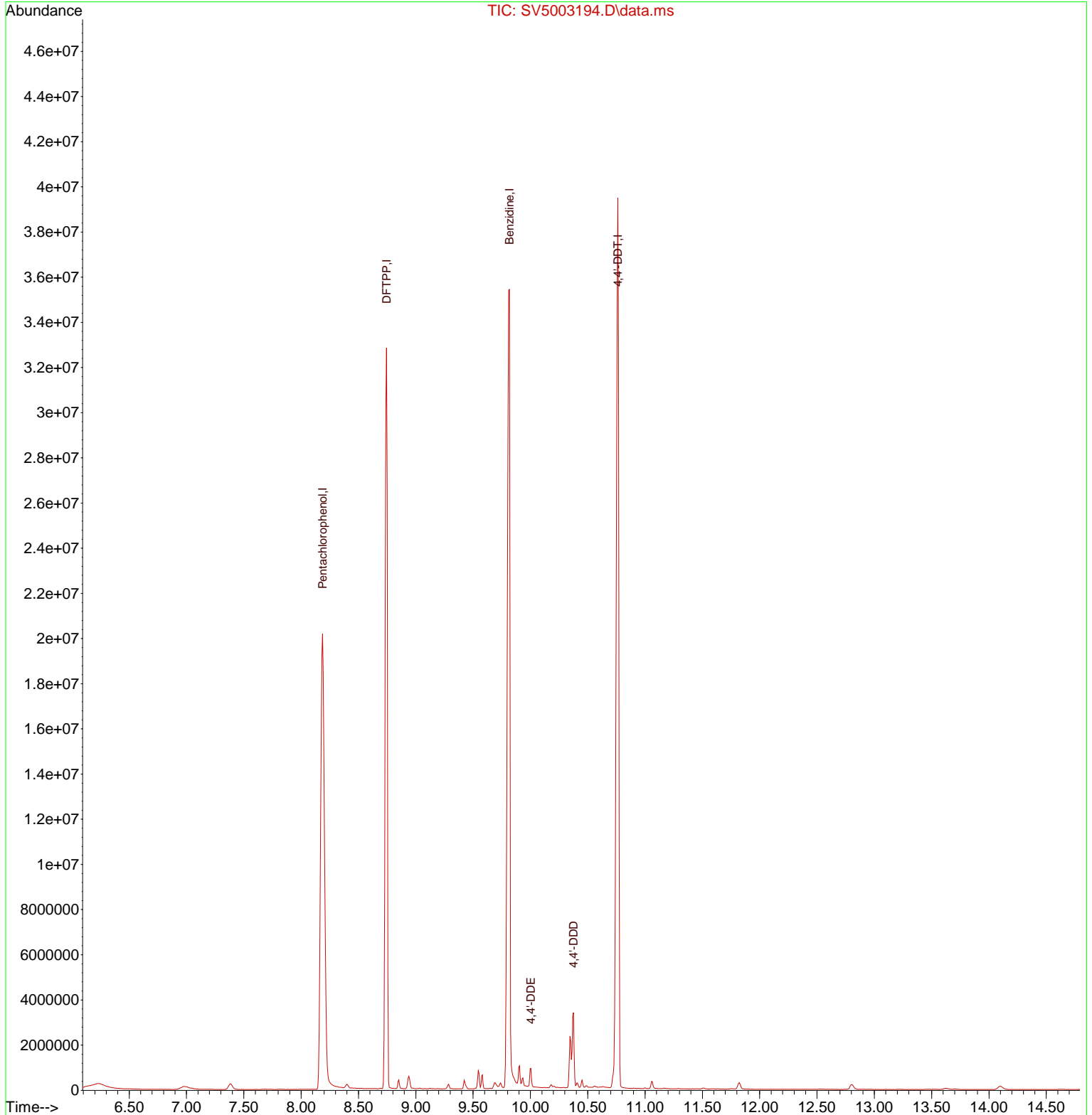
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Target Compounds							Qvalue
1) DFTPP	8.745	TIC	44884867	67.02	PPM	#	100
2) Pentachlorophenol	8.187	TIC	48156607	99.36	PPM	#	100
3) Benzidine	9.816	TIC	57762731	72.17	PPM	#	100
4) 4,4'-DDT	10.763	TIC	64424668	79.52	PPM	#	100
5) 4,4'-DDE	10.004	TIC	845472m	12.23	PPM		
6) 4,4'-DDD	10.375	TIC	3467034	10.93	PPM	#	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003194.D
 Acq On : 23 Oct 2012 3:07 pm
 Operator : IBM
 Sample : CVJ0258-TUN1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:35:09 2012
 Quant Method : Q:\SVOA\MS5\METHODS\DFTPP.M
 Quant Title : 8270D Calibration May 2009
 QLast Update : Fri Oct 19 09:21:57 2012
 Response via : Initial Calibration



Data File Name SV5003194.D
Date Acquired 10/23/2012 15:07
Sample Name CVJ0258-TUN1
Instrument Name GCMS5

DDT BREAKDOWN CHECK

TARGET	RESPONSE
4,4'-DDT	64424668
4,4'-DDE	845472
4,4'-DDD	3467034
TOTAL RESPONSE	68737174
BREAKDOWN RESPONSE	4312506
BREAKDOWN %	6.27

Data Path : Q:\SVOA\MS5\1012\102312\
 Data File : SV5003195.D
 Acq On : 23 Oct 2012 3:21 pm
 Operator : IBM
 Sample : CVJ0258-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:33:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Tue Oct 23 09:31:38 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.051	152	603886	40.00	ng/uL	-0.03
23) Naphthalene-d8	8.369	136	2451772	40.00	ng/uL	-0.02
41) Acenaphthene-d10	11.315	164	1474812	40.00	ng/uL	-0.02
62) Phenanthrene-d10	14.186	188	2412828	40.00	ng/uL	-0.03
79) Chrysene-d12	19.709	240	2338789	40.00	ng/uL	-0.02
87) Perylene-d12	22.491	264	2135409	40.00	ng/uL	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol (SURR)	2.804	112	893036	50.47	ng/uL	-0.02
Spiked Amount	150.000		Recovery	=	33.65%	
7) Phenol-d5 (SURR)	5.169	99	1189986	50.72	ng/uL	-0.04
Spiked Amount	150.000		Recovery	=	33.81%	
11) 2-Chlorophenol-d4 (SURR)	5.375	132	1006067	50.96	ng/uL	-0.04
Spiked Amount	150.000		Recovery	=	33.97%	
14) 1,2 Dichlorobenzene-d4...	6.451	152	751745	50.82	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	50.82%	
24) Nitrobenzene-d5 (SURR)	7.251	82	1040098	49.14	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	49.14%	
45) 2-Fluorobiphenyl (SURR)	10.168	172	2828408	49.96	ng/uL	-0.02
Spiked Amount	100.000		Recovery	=	49.96%	
67) 2,4,6-Tribromophenol (...)	12.815	330	240814	51.41	ng/uL	-0.02
Spiked Amount	150.000		Recovery	=	34.27%	
81) Terphenyl-d14 (SURR)	17.562	244	2647555	50.79	ng/uL	-0.03
Spiked Amount	100.000		Recovery	=	50.79%	
Target Compounds						
2) N-Nitrosodimethylamine	0.922	42	184997	44.67	ng/uL	100
3) Pyridine	0.951	79	579686	45.52	ng/uL	97
5) Benzaldehyde	4.751	105	306762	64.60	ug/mL	97
6) bis(2-Chloroethyl)ether	5.351	63	698754	49.56	ng/uL	97
8) 2-Chlorophenol	5.422	128	981311	50.35	ng/uL	99
9) Phenol	5.210	94	1288475	51.28	ng/uL	98
10) Aniline	5.081	93	1624958	51.47	ng/uL	73
12) 1,3-Dichlorobenzene	5.863	146	1061784	50.61	ng/uL	97
13) 1,4-Dichlorobenzene	6.104	146	1067956	50.12	ng/uL	95
15) 1,2-Dichlorobenzene	6.480	146	1026071	50.84	ng/uL	99
16) Benzyl Alcohol	6.510	79	835376	50.15	ng/uL	97
17) bis(2-chloroisopropyl)...	6.827	121	365538	49.27	ng/uL	96
18) 2-Methylphenol	6.839	108	1748227	50.95	ng/uL	100
19) Acetophenone	7.010	105	1349227	50.95	ng/uL	98
20) n-Nitroso-di-n-propyla...	7.063	70	735166	50.99	ng/uL	97
21) Hexachloroethane	7.139	117	425452	51.33	ng/uL	96
22) 3+4-Methylphenol	7.145	108	2070804	51.90	ng/uL	100
25) Nitrobenzene	7.280	77	1118416	49.79	ng/uL	98
26) Isophorone	7.686	82	1988133	49.26	ng/uL	98
27) 2-Nitrophenol	7.798	139	558971	51.82	ng/uL	95
28) Benzoic Acid	8.163	105	606092	46.86	ng/uL	97
29) 2,4-Dimethylphenol	7.969	107	990504	48.79	ng/uL#	61
30) bis(2-Chloroethoxy)met...	8.086	93	1275339	49.12	ng/uL	98
31) 2,4-Dichlorophenol	8.210	162	810375	51.23	ng/uL	95
32) 1,2,4-Trichlorobenzene	8.304	180	886542	50.90	ng/uL	99
33) Naphthalene	8.404	128	3458563	50.56	ng/uL	99
34) 4-Chloroaniline	8.545	127	1445373	50.11	ng/uL	100
35) Hexachlorobutadiene	8.657	225	433231	51.10	ng/uL	99
36) Caprolactam	9.057	113	370075	51.01	ug/mL	97
37) 4-Chloro-3-methylphenol	9.386	107	936327	50.45	ng/uL	100

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 Acq On : 23 Oct 2012 3:21 pm
 Operator : IBM
 Sample : CVJ0258-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

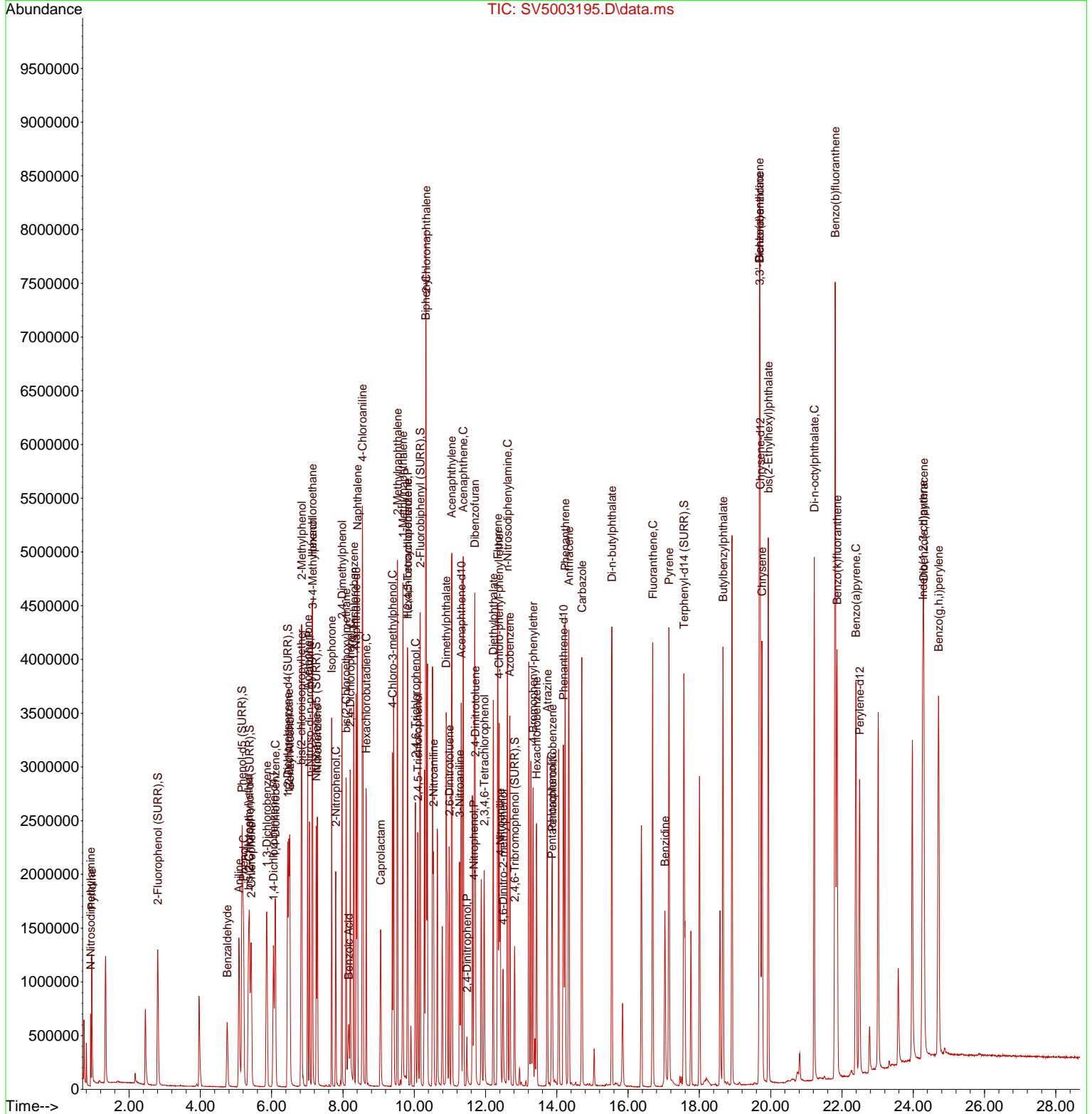
Quant Time: Oct 24 08:33:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Tue Oct 23 09:31:38 2012
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) 2-Methylnaphthalene	9.527	142	3807085	51.13	ng/uL	100
39) 1-Methylnaphthalene	9.680	142	3595337	50.32	ng/uL	99
40) 1,2,4,5-Tetrachloroben...	9.816	216	846158	51.50	ng/uL	99
42) Hexachlorocyclopentadiene	9.816	237	238451	41.28	ng/uL	99
43) 2,4,6-Trichlorophenol	10.033	196	552509	51.15	ng/uL	98
44) 2,4,5-Trichlorophenol	10.104	196	567491	51.43	ng/uL	96
46) Biphenyl	10.321	154	3373859	49.57	ng/uL	93
47) 2-Chloronaphthalene	10.333	162	1943759	49.49	ng/uL	97
48) Dimethylphthalate	10.898	163	2071511	50.31	ng/uL	100
49) Acenaphthylene	11.051	152	3621054	50.28	ng/uL	100
50) 2,6-Dinitrotoluene	10.986	165	501214	50.83	ng/uL	95
51) 2-Nitroaniline	10.539	65	759355	48.29	ng/uL	100
52) Acenaphthene	11.374	153	2815305	49.32	ng/uL	100
53) 2,4-Dinitrophenol	11.474	184	135508	52.22	ng/uL	95
54) Dibenzofuran	11.698	168	2643423	50.21	ng/uL	97
55) 4-Nitrophenol	11.674	65	414040m	46.85	ng/uL	
56) 3-Nitroaniline	11.274	138	612626	50.09	ng/uL	91
57) 2,4-Dinitrotoluene	11.715	165	645717	51.20	ng/uL	99
58) Fluorene	12.345	166	4244512	50.54	ng/uL	100
59) 2,3,4,6-Tetrachlorophenol	11.962	232	448398	52.27	ng/uL	98
60) Diethylphthalate	12.215	149	2062854	49.94	ng/uL	100
61) 4-Chloro-phenyl-phenyl...	12.380	204	1020851	50.86	ng/uL	96
63) 4-Nitroaniline	12.415	138	594844	51.07	ng/uL	95
64) 4,6-Dinitro-2-methylph...	12.492	198	303591	49.81	ng/uL	96
65) n-Nitrosodiphenylamine	12.615	169	3065829	50.27	ng/uL	100
66) Azobenzene	12.680	77	2332378	48.22	ng/uL	99
68) 4-Bromophenyl-phenylether	13.333	248	544841	51.60	ng/uL	97
69) Hexachlorobenzene	13.433	284	585810	51.61	ng/uL	97
70) Atrazine	13.733	200	537332	50.16	ug/mL	99
71) Pentachloronitrobenzene	13.874	237	197056	50.97	ng/uL	84
72) Pentachlorophenol	13.856	266	300219	49.87	ng/uL	98
73) Phenanthrene	14.233	178	3378252	49.92	ng/uL	100
74) Anthracene	14.339	178	3399236	50.81	ng/uL	86
75) Carbazole	14.703	167	3647936	50.73	ng/uL	100
76) Di-n-butylphthalate	15.545	149	3605694	51.24	ng/uL	100
77) Fluoranthene	16.692	202	3655131	51.08	ng/uL	90
78) Benzidine	17.033	184	1450030	41.92	ng/uL	98
80) Pyrene	17.150	202	3871172	50.47	ng/uL	88
82) Butylbenzylphthalate	18.662	149	1620164	49.30	ng/uL	98
83) 3,3'-Dichlorobenzidine	19.691	252	1202398	51.40	ng/uL	99
84) Benzo(a)anthracene	19.685	228	3369137	49.25	ng/uL	100
85) Chrysene	19.756	228	3199399	50.20	ng/uL	100
86) bis(2-Ethylhexyl)phtha...	19.933	149	2196308	49.10	ng/uL	99
88) Di-n-octylphthalate	21.221	149	3762454	49.30	ng/uL	100
89) Benzo(b)fluoranthene	21.809	252	3576719	51.16	ng/uL	98
90) Benzo(k)fluoranthene	21.862	252	3135568	51.66	ng/uL	99
91) Benzo(a)pyrene	22.391	252	3125202	49.37	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	24.268	276	4095948	50.52	ng/uL	96
93) Dibenzo(a,h)anthracene	24.297	278	4038297	50.92	ng/uL	99
94) Benzo(g,h,i)perylene	24.709	276	3466393	50.41	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : SV5003195.D
 Acq On : 23 Oct 2012 3:21 pm
 Operator : IBM
 Sample : CVJ0258-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1
 InstName : SVOAMS5

Quant Time: Oct 24 08:33:56 2012
 Quant Method : Q:\SVOA\MS5\METHODS\SV5AV.M
 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
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 Quant Title : 8270 SOIL CAL(1210020) AQ CAL(1210021)
 QLast Update : Tue Oct 23 09:31:38 2012
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	-0.11
2	N-Nitrosodimethylamine	0.274	0.245	10.6	95	-0.04
3	Pyridine	0.844	0.768	9.0	93	-0.04
4 S	2-Fluorophenol (SURR)	1.172	1.183	-0.9	103	-0.09
5	Benzaldehyde	0.315	0.406	-28.9	139	-0.11
6	bis(2-Chloroethyl)ether	0.934	0.926	0.9	102	-0.11
7 S	Phenol-d5 (SURR)	1.554	1.576	-1.4	103	-0.11
8	2-Chlorophenol	1.291	1.300	-0.7	104	-0.12
9 C	Phenol	1.664	1.707	-2.6#	105	-0.10
10	Aniline	2.091	2.153	-3.0	100	-0.12
11 S	2-Chlorophenol-d4(SURR)	1.308	1.333	-1.9	103	-0.12
12	1,3-Dichlorobenzene	1.390	1.407	-1.2	103	-0.12
13 C	1,4-Dichlorobenzene	1.411	1.415	-0.3#	104	-0.11
14 S	1,2 Dichlorobenzene-d4(SURR)	0.980	0.996	-1.6	106	-0.09
15	1,2-Dichlorobenzene	1.337	1.359	-1.6	105	-0.09
16	Benzyl Alcohol	1.103	1.107	-0.4	103	-0.08
17	bis(2-chloroisopropyl)ether	0.491	0.484	1.4	102	-0.06
18	2-Methylphenol	2.273	2.316	-1.9	104	-0.06
19	Acetophenone	1.754	1.787	-1.9	103	-0.06
20 P	n-Nitroso-di-n-propylamine	0.955	0.974	-2.0	105	-0.07
21	Hexachloroethane	0.549	0.564	-2.7	105	-0.06
22	3+4-Methylphenol	2.643	2.743	-3.8	106	-0.06
23	Naphthalene-d8	1.000	1.000	0.0	107	-0.07
24 S	Nitrobenzene-d5 (SURR)	0.345	0.339	1.7	104	-0.06
25	Nitrobenzene	0.366	0.365	0.3	105	-0.06
26	Isophorone	0.658	0.649	1.4	104	-0.06
27 C	2-Nitrophenol	0.176	0.182	-3.4#	108	-0.06
28	Benzoic Acid	0.209	0.198	5.3	103	-0.05
29	2,4-Dimethylphenol	0.331	0.323	2.4	104	-0.06
30	bis(2-Chloroethoxy)methane	0.424	0.416	1.9	105	-0.06
31 C	2,4-Dichlorophenol	0.258	0.264	-2.3#	108	-0.06
32	1,2,4-Trichlorobenzene	0.284	0.289	-1.8	109	-0.06
33	Naphthalene	1.116	1.129	-1.2	106	-0.06
34	4-Chloroaniline	0.471	0.472	-0.2	104	-0.06
35 C	Hexachlorobutadiene	0.138	0.141	-2.2#	110	-0.06
36	Caprolactam	0.118	0.121	-2.5	107	-0.06
37 C	4-Chloro-3-methylphenol	0.303	0.306	-1.0#	106	-0.07
38	2-Methylnaphthalene	1.215	1.242	-2.2	108	-0.07
39	1-Methylnaphthalene	1.166	1.173	-0.6	108	-0.08
40	1,2,4,5-Tetrachlorobenzene	0.268	0.276	-3.0	111	-0.07
41	Acenaphthene-d10	1.000	1.000	0.0	110	-0.09
42 P	Hexachlorocyclopentadiene	0.176	0.129	26.7	91	-0.07
43 C	2,4,6-Trichlorophenol	0.293	0.300	-2.4#	113	-0.08
44	2,4,5-Trichlorophenol	0.299	0.308	-3.0	113	-0.07
45 S	2-Fluorobiphenyl (SURR)	1.536	1.534	0.1	109	-0.08
46	Biphenyl	1.846	1.830	0.9	108	-0.08
47	2-Chloronaphthalene	1.065	1.054	1.0	103	-0.08
48	Dimethylphthalate	1.117	1.124	-0.6	110	-0.08
49	Acenaphthylene	1.953	1.964	-0.6	108	-0.09
50	2,6-Dinitrotoluene	0.267	0.272	-1.9	109	-0.08
51	2-Nitroaniline	0.427	0.412	3.5	105	-0.08

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Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52 C	Acenaphthene	1.548	1.527	1.4#	109	-0.09
53 P	2,4-Dinitrophenol	0.099	0.074	25.3	139	-0.09
54	Dibenzofuran	1.428	1.434	-0.4	110	-0.09
55 P	4-Nitrophenol	0.224	0.225	-0.4	103	-0.10
56	3-Nitroaniline	0.332	0.332	0.0	109	-0.09
57	2,4-Dinitrotoluene	0.342	0.350	-2.3	110	-0.10
58	Fluorene	2.278	2.302	-1.1	110	-0.11
59	2,3,4,6-Tetrachlorophenol	0.233	0.243	-4.3	112	-0.10
60	Diethylphthalate	1.120	1.119	0.1	109	-0.11
61	4-Chloro-phenyl-phenyl ethe	0.544	0.554	-1.8	112	-0.11
62	Phenanthrene-d10	1.000	1.000	0.0	111	-0.12
63	4-Nitroaniline	0.193	0.197	-2.1	112	-0.11
64	4,6-Dinitro-2-methylphenol	0.103	0.101	1.9	119	-0.11
65 C	n-Nitrosodiphenylamine	1.011	1.017	-0.6#	110	-0.12
66	Azobenzene	0.802	0.773	3.6	104	-0.12
67 S	2,4,6-Tribromophenol (SURR)	0.078	0.080	-2.6	115	-0.11
68	4-Bromophenyl-phenylether	0.175	0.181	-3.4	117	-0.12
69	Hexachlorobenzene	0.188	0.194	-3.2	116	-0.12
70	Atrazine	0.178	0.178	0.0	109	-0.12
71	Pentachloronitrobenzene	0.064	0.065	-1.6	112	-0.11
72 C	Pentachlorophenol	0.106	0.100	5.7#	118	-0.12
73	Phenanthrene	1.122	1.120	0.2	111	-0.12
74	Anthracene	1.109	1.127	-1.6	112	-0.12
75	Carbazole	1.192	1.210	-1.5	110	-0.12
76	Di-n-butylphthalate	1.167	1.196	-2.5	109	-0.12
77 C	Fluoranthene	1.186	1.212	-2.2#	111	-0.12
78	Benzidine	0.539	0.481	10.8	98	-0.13
79	Chrysene-d12	1.000	1.000	0.0	114	-0.14
80	Pyrene	1.312	1.324	-0.9	112	-0.12
81 S	Terphenyl-d14 (SURR)	0.892	0.906	-1.6	115	-0.13
82	Butylbenzylphthalate	0.562	0.554	1.4	110	-0.14
83	3,3'-Dichlorobenzidine	0.400	0.411	-2.7	115	-0.14
84	Benzo(a)anthracene	1.170	1.152	1.5	114	-0.14
85	Chrysene	1.090	1.094	-0.4	113	-0.14
86	bis(2-Ethylhexyl)phthalate	0.765	0.751	1.8	110	-0.14
87	Perylene-d12	1.000	1.000	0.0	114	-0.15
88 C	Di-n-octylphthalate	1.430	1.410	1.4#	110	-0.15
89	Benzo(b)fluoranthene	1.310	1.340	-2.3	117	-0.15
90	Benzo(k)fluoranthene	1.137	1.175	-3.3	111	-0.15
91 C	Benzo(a)pyrene	1.186	1.171	1.3#	115	-0.15
92	Indeno(1,2,3-cd)pyrene	1.519	1.534	-1.0	118	-0.18
93	Dibenzo(a,h)anthracene	1.486	1.513	-1.8	117	-0.18
94	Benzo(g,h,i)perylene	1.288	1.299	-0.9	118	-0.19

(#) = Out of Range

SPCC's out = 0 CCC's out = 13

PAH Logbooks

HOLDING TIME SUMMARY

8270C

Laboratory: ESS Laboratory

SDG: 1210478

Client: AMEC Environmental and Infrastructure

Project: Gorham Parcel C-1 Cap

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SSSWN02	10/23/12 13:15	10/23/12 14:15	10/23/12 15:45	0.10	14.00	10/23/12 20:06	0.18	40.00	
SSSWB04	10/23/12 13:20	10/23/12 14:15	10/23/12 15:45	0.10	14.00	10/23/12 20:39	0.20	40.00	
SSSWS02	10/23/12 13:25	10/23/12 14:15	10/23/12 15:45	0.10	14.00	10/23/12 21:12	0.23	40.00	

ESS Laboratory Percent Solids Logbook

LabNumber	Analysis	Prepared	PreparedBy	Pan Weight (g)	Initial	Final	Source	Final Result
CJ22208-BLK1	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	1.3	1.3		100
1210367-01	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.8		95
1210367-02	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.7		94
1210367-03	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.6		93
1210367-04	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.7		94
1210367-05	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	9.9		86
1210367-06	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.8		95
1210367-07	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.7		94
1210367-08	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.8		95
1210367-09	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.3		90
1210367-10	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.7		94
1210367-11	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.0		87
1210367-12	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.1		88
1210367-13	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.1		88
1210367-14	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.4		91
1210367-15	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.8		95
1210367-16	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.7		94
1210367-17	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.1		88
1210478-01	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.9		96
1210478-02	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.9		96
1210478-03	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.8		95
CJ22208-DUP1	OP: Percent Solids	10/23/2012 16:55	GAB	1.3	11.3	10.8	1210478-03	95
Units: Initial & Final = g								

Sample and Cooler Receipt Checklist

Client: AMEC Earth and Environmental
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100478
Date Project Due: 10/24/12
Days For Project: 1 Day

Items to be checked upon receipt:

- | | | | |
|---|------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> *No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> No |
| <u>Cooler Temp: 0.6</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |
| <u>Iced With: Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: _____ | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: _____ | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: _____ | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: _____ | |
| 18. Was there need to call project manager to discuss status? If yes, please explain. | | | |
| _____ | | | |
| _____ | | | |
| _____ | | | |

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	1	NP
2	Yes	4 oz Soil Jar	1	NP
3	Yes	4 oz Soil Jar	1	NP

Completed By: OK Date/Time: 10/23/12
Reviewed By: [Signature] Date/Time: 10/23/12

ESS Laboratory

Division of Thielsch Engineering, Inc.
 185 Frances Avenue, Cranston, RI 02910-2211
 Tel. (401) 461-7181 Fax (401) 461-4486
 www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time If faster than 5 days, prior approval by laboratory is required #	Standard Other <u>24 hr</u>
State where samples were collected from:	MA RI CI NH NJ NY ME Other
Is this project for any of the following:	USACE Other
MA-MCP Navy	USACE Other

Reporting Limits RIDEL-RES.	ESS LAB PROJECT ID 1219478
Electronic Deliverable Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Format: Excel <input type="checkbox"/> Access <input type="checkbox"/> PDF <input type="checkbox"/> Other Excel

Co. Name AMEL	Project # 3650110213	Project Name (20 Char. or less) Gorham Parcel C-1Cap	Number of Containers	Type of Containers	Write Required Analysis				
Contact Person Kelly Chatterton	Address 107 Audubon Rd., Suite 301	Zip 01080	Number of Containers	Type of Containers					
City Wakefield	State MA	PO#	Number of Containers	Type of Containers					
Telephone # 701 245 6606	Fax #	Email Address Kelly.Chatterton@amec.com	Number of Containers	Type of Containers					
ESS LAB Sample #	Date	Collection Time	COMP	GRAB		MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers
1	10.23.12	1315	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SSSWN02	1	6	X
2	"	1320	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SSSWB04	1	6	X
3	"	1325	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SSSW502	1	6	X

Container Type: P-Poly G-Glass S-Sterile V-VOA	Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters		
Cooler Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Internal Use Only		
Seals Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No NA: <input checked="" type="checkbox"/> <input type="checkbox"/> Pickup			
Cooler Temp: 0.6° C	Ice <input checked="" type="checkbox"/> <input type="checkbox"/> Technicians		
Relinquished by: (Signature) <i>Phil Muller</i>	Date/Time 10.23.12 1415	Received by: (Signature) <i>Phil Muller</i>	Date/Time 10.23.12 1415
Relinquished by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

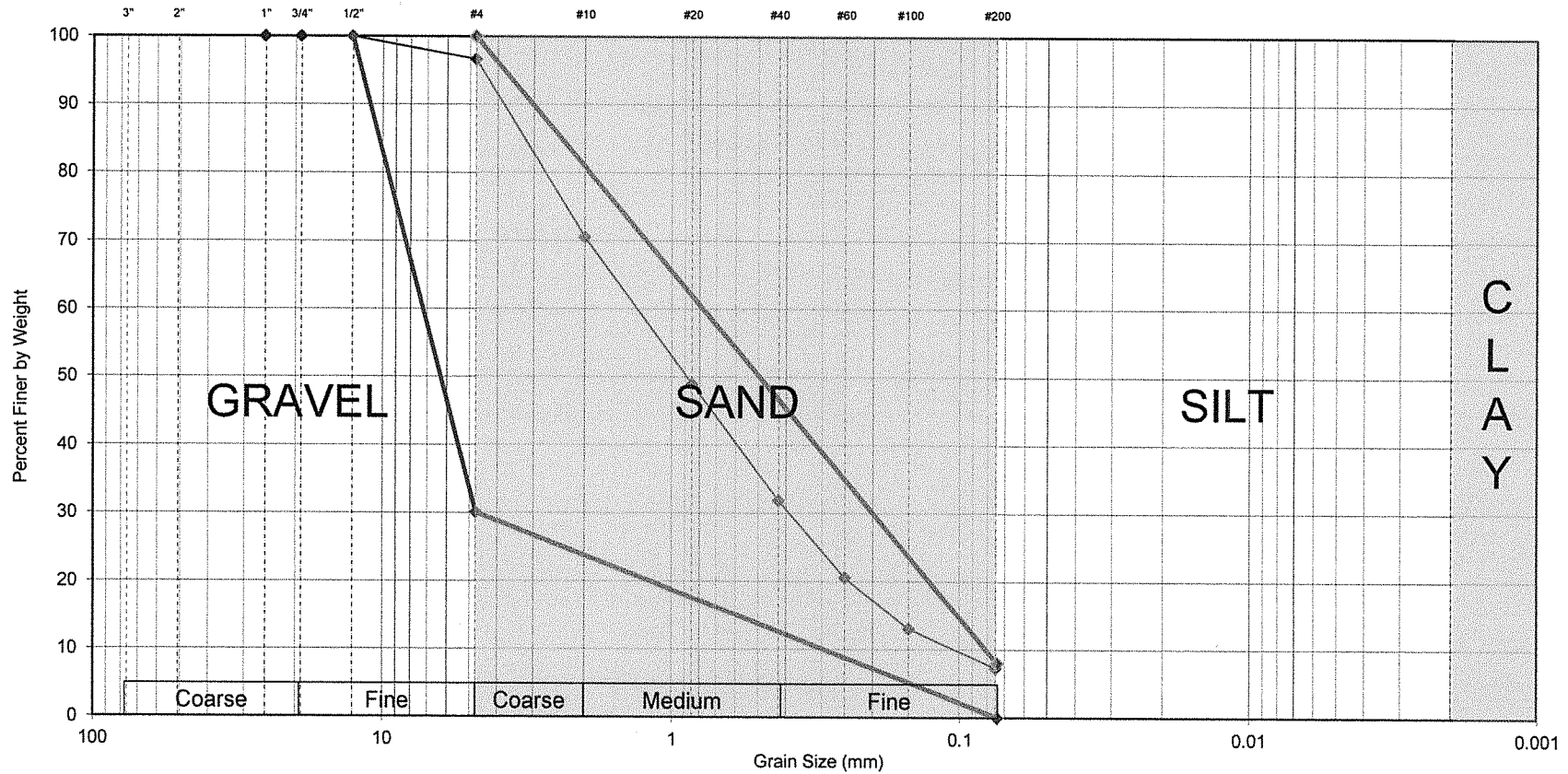
1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A



APPENDIX F
IMPORTED SOIL ANALYTICAL RESULTS
(Provided on CD)

U.S. STANDARD SIEVE AND HYDROMETER



Gravel
3.3%

Sand
89.4%

Fines
7.2%

Lab #	Source	Material	Sample Date	Description	WC	LL	PL	PI
260	Copar	Buffer Sand	8/28/12	Gray Well-graded Sand with Silt (SW-SM)				

Sieve Size	% Passing	Spec.
3/4"	100.0	
1/2"	100.0	100
#4	96.7	30-100
#10	70.5	
#20	48.9	
#40	31.8	
#60	20.6	
#100	13.0	
#200	7.2	0-8

Buffer Sand Specification

Textron Site
 Providence, RI
 Thielsch CTS # 74-12-0003.13J
 Tested by: GG Date: 8/30/12
 Reviewed by: MBP Date: 8/30/12





CERTIFICATE OF ANALYSIS

Matt Polsky
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910

RE: ET and L Corp (CTS-74-12-0003.13J)
ESS Laboratory Work Order Number: 1208514

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 4:43 pm, Sep 07, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

SAMPLE RECEIPT

The following samples were received on August 31, 2012 for the analyses specified on the enclosed Chain of Custody Record.

These samples were originally received on hold on August 28, 2012.

Lab Number	SampleName	Matrix	Analysis
1208514-01	Textron Site - Copar - Sand-1	Solid	6010B, 7471A, 8100M, 8260B Low, 8270C



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

- 1208514-01 **Internal Standard(s) outside of criteria. Sample was reanalyzed to confirm (IC).**
1,4-Dichlorobenzene-D4 (41% @ 50-200%)
- 1208514-01 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results (SC).**
1,2-Dichloroethane-d4 (53% @ 70-130%)
- CI20415-BS1 **Blank Spike recovery is below lower control limit (B-).**
1,4-Dioxane (48% @ 70-130%)
- CI20415-BSD1 **Blank Spike recovery is above upper control limit (B+).**
2-Hexanone (137% @ 70-130%), Acetone (169% @ 70-130%)
- CI20415-BSD1 **Blank Spike recovery is below lower control limit (B-).**
1,4-Dioxane (55% @ 70-130%), Methylene Chloride (50% @ 70-130%)
- CI20415-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Acetone (27%), Methylene Chloride (69%)

8100M Total Petroleum Hydrocarbons

- CVI0039-CCV3 **Continuing Calibration recovery is above upper control limit (C+).**
Docosane (C22) (124% @ 80-120%), Eicosane (C20) (124% @ 80-120%), Hexacosane (C26) (125% @ 80-120%), Hexadecane (C16) (124% @ 80-120%), Octacosane (C28) (125% @ 80-120%), Octadecane (C18) (124% @ 80-120%), O-Terphenyl (121% @ 80-120%), Tetracosane (C24) (124% @ 80-120%), Total Petroleum Hydrocarbons (126% @ 80-120%), Triacontane (C30) (124% @ 80-120%)

8270C Semi-Volatile Organic Compounds

- CI20515-BS1 **Blank Spike recovery is below lower control limit (B-).**
N-Nitroso-Di-n-Propylamine (38% @ 40-140%), Pyridine (36% @ 40-140%)
- CI20515-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
1,2,4-Trichlorobenzene (31%), 2,4-Dichlorophenol (32%), 2,4-Dimethylphenol (31%), 2-Nitrophenol (35%), bis(2-Chloroethyl)ether (31%), Hexachlorobutadiene (32%), Hexachloroethane (31%)
- CVI0044-CCV1 **Initial Calibration Verification recovery is outside of control limit (ICV).**
2-Nitroaniline , Hexachlorocyclopentadiene

No other observations noted.

End of Project Narrative.



ESS Laboratory
Division of Thielsch Engineering, Inc.

BAL Laboratory

*The Microbiology Division
of Thielsch Engineering, Inc.*



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Sand-1
Date Sampled: 08/28/12 12:50
Percent Solids: 99

ESS Laboratory Work Order: 1208514
ESS Laboratory Sample ID: 1208514-01
Sample Matrix: Solid
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	ND (2.2)	6010B		1	KJK	08/31/12 19:18	2.29	100	CH23113
Barium	10.7 (2.2)	6010B		1	KJK	08/31/12 19:18	2.29	100	CH23113
Cadmium	ND (0.44)	6010B		1	KJK	08/31/12 19:18	2.29	100	CH23113
Chromium	1.1 (0.9)	6010B		1	KJK	08/31/12 19:18	2.29	100	CH23113
Lead	ND (4.4)	6010B		1	KJK	08/31/12 19:18	2.29	100	CH23113
Mercury	ND (0.032)	7471A		1	LLZ	09/04/12 11:37	0.63	40	CH23122
Selenium	ND (4.4)	6010B		1	KJK	08/31/12 19:18	2.29	100	CH23113
Silver	ND (0.44)	6010B		1	KJK	08/31/12 19:18	2.29	100	CH23113



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Sand-1
Date Sampled: 08/28/12 12:50
Percent Solids: 99
Initial Volume: 7.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1208514
ESS Laboratory Sample ID: 1208514-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: VAC

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,1,1-Trichloroethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,1,2,2-Tetrachloroethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,1,2-Trichloroethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,1-Dichloroethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,1-Dichloroethene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,1-Dichloropropene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2,3-Trichlorobenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2,3-Trichloropropane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2,4-Trichlorobenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2,4-Trimethylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2-Dibromo-3-Chloropropane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2-Dibromoethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2-Dichlorobenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2-Dichloroethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,2-Dichloropropane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,3,5-Trimethylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,3-Dichlorobenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,3-Dichloropropane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,4-Dichlorobenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
1,4-Dioxane	ND (0.0711)		1	09/04/12 15:24	CVI0007	CI20415
1-Chlorohexane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
2,2-Dichloropropane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
2-Butanone	ND (0.0356)		1	09/04/12 15:24	CVI0007	CI20415
2-Chlorotoluene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
2-Hexanone	ND (0.0356)		1	09/04/12 15:24	CVI0007	CI20415
4-Chlorotoluene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
4-Isopropyltoluene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
4-Methyl-2-Pentanone	ND (0.0356)		1	09/04/12 15:24	CVI0007	CI20415
Acetone	ND (0.0356)		1	09/04/12 15:24	CVI0007	CI20415
Benzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Sand-1
Date Sampled: 08/28/12 12:50
Percent Solids: 99
Initial Volume: 7.1
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1208514
ESS Laboratory Sample ID: 1208514-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: VAC

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Bromochloromethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Bromodichloromethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Bromoform	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Bromomethane	ND (0.0071)		1	09/04/12 15:24	CVI0007	CI20415
Carbon Disulfide	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Carbon Tetrachloride	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Chlorobenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Chloroethane	ND (0.0071)		1	09/04/12 15:24	CVI0007	CI20415
Chloroform	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Chloromethane	ND (0.0071)		1	09/04/12 15:24	CVI0007	CI20415
cis-1,2-Dichloroethene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
cis-1,3-Dichloropropene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Dibromochloromethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Dibromomethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Dichlorodifluoromethane	ND (0.0071)		1	09/04/12 15:24	CVI0007	CI20415
Diethyl Ether	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Di-isopropyl ether	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Ethyl tertiary-butyl ether	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Ethylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Hexachlorobutadiene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Isopropylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Methyl tert-Butyl Ether	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Methylene Chloride	ND (0.0178)		1	09/04/12 15:24	CVI0007	CI20415
Naphthalene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
n-Butylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
n-Propylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
sec-Butylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Styrene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
tert-Butylbenzene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Tertiary-amyl methyl ether	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Textron Site - Copar - Sand-1
 Date Sampled: 08/28/12 12:50
 Percent Solids: 99
 Initial Volume: 7.1
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1208514
 ESS Laboratory Sample ID: 1208514-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: VAC

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrachloroethene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Tetrahydrofuran	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Toluene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
trans-1,2-Dichloroethene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
trans-1,3-Dichloropropene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Trichloroethene	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Trichlorofluoromethane	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Vinyl Acetate	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Vinyl Chloride	ND (0.0071)		1	09/04/12 15:24	CVI0007	CI20415
Xylene O	ND (0.0036)		1	09/04/12 15:24	CVI0007	CI20415
Xylene P,M	ND (0.0071)		1	09/04/12 15:24	CVI0007	CI20415
Xylenes (Total)	ND (0.0107)		1	09/04/12 15:24		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	53 %	SC	70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	81 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	74 %		70-130
<i>Surrogate: Toluene-d8</i>	112 %		70-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Sand-1
Date Sampled: 08/28/12 12:50
Percent Solids: 99
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1208514
ESS Laboratory Sample ID: 1208514-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/5/12 13:10

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	ND (37.1)		1	09/05/12 22:48	CVI0039	CI20430
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	82 %		40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Sand-1
Date Sampled: 08/28/12 12:50
Percent Solids: 99
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1208514
ESS Laboratory Sample ID: 1208514-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/5/12 15:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
1,2,4-Trichlorobenzene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
1,2-Dichlorobenzene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
1,3-Dichlorobenzene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
1,4-Dichlorobenzene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2,3,4,6-Tetrachlorophenol	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515
2,4,5-Trichlorophenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2,4,6-Trichlorophenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2,4-Dichlorophenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2,4-Dimethylphenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2,4-Dinitrophenol	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515
2,4-Dinitrotoluene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2,6-Dinitrotoluene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2-Chloronaphthalene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2-Chlorophenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2-Methylnaphthalene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2-Methylphenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2-Nitroaniline	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
2-Nitrophenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
3,3'-Dichlorobenzidine	ND (0.697)		1	09/06/12 12:04	CVI0044	CI20515
3+4-Methylphenol	ND (0.697)		1	09/06/12 12:04	CVI0044	CI20515
3-Nitroaniline	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
4,6-Dinitro-2-Methylphenol	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515
4-Bromophenyl-phenylether	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
4-Chloro-3-Methylphenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
4-Chloroaniline	ND (0.697)		1	09/06/12 12:04	CVI0044	CI20515
4-Chloro-phenyl-phenyl ether	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
4-Nitroaniline	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
4-Nitrophenol	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515
Acenaphthene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Acenaphthylene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515



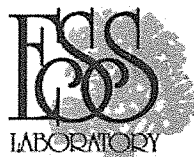
CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Textron Site - Copar - Sand-1
 Date Sampled: 08/28/12 12:50
 Percent Solids: 99
 Initial Volume: 14.5
 Final Volume: 0.5
 Extraction Method: 3546

ESS Laboratory Work Order: 1208514
 ESS Laboratory Sample ID: 1208514-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: IBM
 Prepared: 9/5/12 15:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.697)		1	09/06/12 12:04	CVI0044	CI20515
Aniline	ND (0.697)		1	09/06/12 12:04	CVI0044	CI20515
Anthracene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Azobenzene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Benzo(a)anthracene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Benzo(a)pyrene	ND (0.175)		1	09/06/12 12:04	CVI0044	CI20515
Benzo(b)fluoranthene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Benzo(g,h,i)perylene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Benzo(k)fluoranthene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Benzoic Acid	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515
Benzyl Alcohol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
bis(2-Chloroethoxy)methane	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
bis(2-Chloroethyl)ether	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
bis(2-chloroisopropyl)Ether	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
bis(2-Ethylhexyl)phthalate	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Butylbenzylphthalate	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Carbazole	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Chrysene	ND (0.175)		1	09/06/12 12:04	CVI0044	CI20515
Dibenzo(a,h)Anthracene	ND (0.175)		1	09/06/12 12:04	CVI0044	CI20515
Dibenzofuran	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Diethylphthalate	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Dimethylphthalate	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Di-n-butylphthalate	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Di-n-octylphthalate	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Fluoranthene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Fluorene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Hexachlorobenzene	ND (0.175)		1	09/06/12 12:04	CVI0044	CI20515
Hexachlorobutadiene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Hexachlorocyclopentadiene	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515
Hexachloroethane	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Indeno(1,2,3-cd)Pyrene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Sand-1
Date Sampled: 08/28/12 12:50
Percent Solids: 99
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1208514
ESS Laboratory Sample ID: 1208514-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/5/12 15:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Naphthalene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Nitrobenzene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
N-Nitrosodimethylamine	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
N-Nitroso-Di-n-Propylamine	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
N-nitrosodiphenylamine	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Pentachlorophenol	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515
Phenanthrene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Phenol	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Pyrene	ND (0.348)		1	09/06/12 12:04	CVI0044	CI20515
Pyridine	ND (1.75)		1	09/06/12 12:04	CVI0044	CI20515

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	52 %		30-130
<i>Surrogate: 2,4,6-Tribromophenol</i>	90 %		30-130
<i>Surrogate: 2-Chlorophenol-d4</i>	59 %		30-130
<i>Surrogate: 2-Fluorobiphenyl</i>	51 %		30-130
<i>Surrogate: 2-Fluorophenol</i>	55 %		30-130
<i>Surrogate: Nitrobenzene-d5</i>	50 %		30-130
<i>Surrogate: Phenol-d6</i>	59 %		30-130
<i>Surrogate: p-Terphenyl-d14</i>	69 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CH23113 - 3050B

Blank										
Arsenic	ND	2.5	mg/kg wet							
Barium	ND	2.5	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.0	mg/kg wet							
Lead	ND	5.0	mg/kg wet							
Selenium	ND	5.0	mg/kg wet							
Silver	ND	0.50	mg/kg wet							

LCS										
Arsenic	140	9.1	mg/kg wet	168.0		83	80-120			
Barium	179	9.1	mg/kg wet	213.0		84	80-120			
Cadmium	92.0	1.83	mg/kg wet	103.0		89	80-120			
Chromium	104	3.6	mg/kg wet	119.0		87	80-120			
Lead	65.1	18.2	mg/kg wet	76.90		85	80-120			
Selenium	108	18.2	mg/kg wet	126.0		86	80-120			
Silver	37.0	1.83	mg/kg wet	42.30		88	80-120			

LCS Dup										
Arsenic	134	9.2	mg/kg wet	168.0		80	80-120	5	20	
Barium	176	9.2	mg/kg wet	213.0		83	80-120	2	20	
Cadmium	87.1	1.86	mg/kg wet	103.0		85	80-120	5	20	
Chromium	101	3.7	mg/kg wet	119.0		85	80-120	3	20	
Lead	62.8	18.5	mg/kg wet	76.90		82	80-120	4	20	
Selenium	103	18.5	mg/kg wet	126.0		82	80-120	5	20	
Silver	36.3	1.86	mg/kg wet	42.30		86	80-120	2	20	

Batch CH23122 - 7471A

Blank										
Mercury	ND	0.033	mg/kg wet							

LCS										
Mercury	27.8	3.14	mg/kg wet	25.10		111	80-120			

LCS Dup										
Mercury	29.4	2.96	mg/kg wet	25.10		117	80-120	6	20	

5035/8260B Volatile Organic Compounds / Low Level

Batch CI20415 - 5035

Blank										
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20415 - 5035

1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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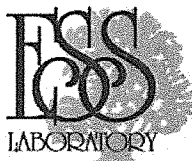
5035/8260B Volatile Organic Compounds / Low Level

Batch CI20415 - 5035

Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0506		mg/kg wet	0.05000		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0466		mg/kg wet	0.05000		93	70-130			
Surrogate: Dibromofluoromethane	0.0500		mg/kg wet	0.05000		100	70-130			
Surrogate: Toluene-d8	0.0492		mg/kg wet	0.05000		98	70-130			

LCS

1,1,1,2-Tetrachloroethane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130			
1,1,1-Trichloroethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,1,2,2-Tetrachloroethane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
1,1,2-Trichloroethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethane	0.0419	0.0050	mg/kg wet	0.05000		84	70-130			
1,1-Dichloroethene	0.0445	0.0050	mg/kg wet	0.05000		89	70-130			
1,1-Dichloropropene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichlorobenzene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
1,2,4-Trichlorobenzene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
1,2,4-Trimethylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
1,2-Dibromo-3-Chloropropane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
1,2-Dibromoethane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
1,2-Dichlorobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloroethane	0.0415	0.0050	mg/kg wet	0.05000		83	70-130			
1,2-Dichloropropane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
1,3,5-Trimethylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
1,3-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichloropropane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
1,4-Dichlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20415 - 5035

1,4-Dioxane	0.959	0.100	mg/kg wet	2.000		48	70-130			B-
1-Chlorohexane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
2,2-Dichloropropane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
2-Butanone	0.254	0.0500	mg/kg wet	0.2500		101	70-130			
2-Chlorotoluene	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
2-Hexanone	0.280	0.0500	mg/kg wet	0.2500		112	70-130			
4-Chlorotoluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
4-Isopropyltoluene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
4-Methyl-2-Pentanone	0.258	0.0500	mg/kg wet	0.2500		103	70-130			
Acetone	0.322	0.0500	mg/kg wet	0.2500		129	70-130			
Benzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Bromobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Bromochloromethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Bromodichloromethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Bromoform	0.0507	0.0050	mg/kg wet	0.05000		101	70-130			
Bromomethane	0.0606	0.0100	mg/kg wet	0.05000		121	70-130			
Carbon Disulfide	0.0605	0.0050	mg/kg wet	0.05000		121	70-130			
Carbon Tetrachloride	0.0463	0.0050	mg/kg wet	0.05000		93	70-130			
Chlorobenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Chloroethane	0.0475	0.0100	mg/kg wet	0.05000		95	70-130			
Chloroform	0.0422	0.0050	mg/kg wet	0.05000		84	70-130			
Chloromethane	0.0482	0.0100	mg/kg wet	0.05000		96	70-130			
cis-1,2-Dichloroethene	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
cis-1,3-Dichloropropene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Dibromochloromethane	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
Dibromomethane	0.0434	0.0050	mg/kg wet	0.05000		87	70-130			
Dichlorodifluoromethane	0.0534	0.0100	mg/kg wet	0.05000		107	70-130			
Diethyl Ether	0.0419	0.0050	mg/kg wet	0.05000		84	70-130			
Di-isopropyl ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
Ethyl tertiary-butyl ether	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Ethylbenzene	0.0558	0.0050	mg/kg wet	0.05000		112	70-130			
Hexachlorobutadiene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
Isopropylbenzene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
Methyl tert-Butyl Ether	0.0432	0.0050	mg/kg wet	0.05000		86	70-130			
Methylene Chloride	0.0510	0.0250	mg/kg wet	0.05000		102	70-130			
Naphthalene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
n-Butylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
n-Propylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
sec-Butylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
Styrene	0.0583	0.0050	mg/kg wet	0.05000		117	70-130			
tert-Butylbenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Tertiary-amyl methyl ether	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Tetrachloroethene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Tetrahydrofuran	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Toluene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20415 - 5035

trans-1,2-Dichloroethene	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
trans-1,3-Dichloropropene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Trichloroethene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Trichlorofluoromethane	0.0392	0.0050	mg/kg wet	0.05000		78	70-130			
Vinyl Acetate	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Vinyl Chloride	0.0630	0.0100	mg/kg wet	0.05000		126	70-130			
Xylene O	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
Xylene P,M	0.117	0.0100	mg/kg wet	0.1000		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0412		mg/kg wet	0.05000		82	70-130			
Surrogate: 4-Bromofluorobenzene	0.0511		mg/kg wet	0.05000		102	70-130			
Surrogate: Dibromofluoromethane	0.0415		mg/kg wet	0.05000		83	70-130			
Surrogate: Toluene-d8	0.0508		mg/kg wet	0.05000		102	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	0.0453	0.0050	mg/kg wet	0.05000		91	70-130	4	25	
1,1,1-Trichloroethane	0.0441	0.0050	mg/kg wet	0.05000		88	70-130	4	25	
1,1,2,2-Tetrachloroethane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	5	25	
1,1,2-Trichloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
1,1-Dichloroethane	0.0414	0.0050	mg/kg wet	0.05000		83	70-130	1	25	
1,1-Dichloroethene	0.0433	0.0050	mg/kg wet	0.05000		87	70-130	3	25	
1,1-Dichloropropene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
1,2,3-Trichlorobenzene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
1,2,3-Trichloropropane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
1,2,4-Trichlorobenzene	0.0534	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
1,2,4-Trimethylbenzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
1,2-Dibromoethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130	4	25	
1,2-Dichlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	0.9	25	
1,2-Dichloroethane	0.0418	0.0050	mg/kg wet	0.05000		84	70-130	0.7	25	
1,2-Dichloropropane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
1,3,5-Trimethylbenzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	2	25	
1,3-Dichlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
1,3-Dichloropropane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
1,4-Dichlorobenzene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
1,4-Dioxane	1.09	0.100	mg/kg wet	2.000		55	70-130	13	20	B-
1-Chlorohexane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	4	25	
2,2-Dichloropropane	0.0460	0.0050	mg/kg wet	0.05000		92	70-130	5	25	
2-Butanone	0.276	0.0500	mg/kg wet	0.2500		111	70-130	9	25	
2-Chlorotoluene	0.0521	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
2-Hexanone	0.342	0.0500	mg/kg wet	0.2500		137	70-130	20	25	B+
4-Chlorotoluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	0.3	25	
4-Isopropyltoluene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	1	25	
4-Methyl-2-Pentanone	0.291	0.0500	mg/kg wet	0.2500		116	70-130	12	25	
Acetone	0.422	0.0500	mg/kg wet	0.2500		169	70-130	27	25	B+, D+
Benzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	0.9	25	
Bromobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	2	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20415 - 5035

Bromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
Bromodichloromethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	2	25	
Bromoform	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Bromomethane	0.0593	0.0100	mg/kg wet	0.05000		119	70-130	2	25	
Carbon Disulfide	0.0599	0.0050	mg/kg wet	0.05000		120	70-130	1	25	
Carbon Tetrachloride	0.0436	0.0050	mg/kg wet	0.05000		87	70-130	6	25	
Chlorobenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	3	25	
Chloroethane	0.0480	0.0100	mg/kg wet	0.05000		96	70-130	1	25	
Chloroform	0.0405	0.0050	mg/kg wet	0.05000		81	70-130	4	25	
Chloromethane	0.0491	0.0100	mg/kg wet	0.05000		98	70-130	2	25	
cis-1,2-Dichloroethene	0.0429	0.0050	mg/kg wet	0.05000		86	70-130	7	25	
cis-1,3-Dichloropropene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
Dibromochloromethane	0.0460	0.0050	mg/kg wet	0.05000		92	70-130	0.3	25	
Dibromomethane	0.0441	0.0050	mg/kg wet	0.05000		88	70-130	2	25	
Dichlorodifluoromethane	0.0534	0.0100	mg/kg wet	0.05000		107	70-130	0.04	25	
Diethyl Ether	0.0398	0.0050	mg/kg wet	0.05000		80	70-130	5	25	
Di-isopropyl ether	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
Ethyl tertiary-butyl ether	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	1	25	
Ethylbenzene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Hexachlorobutadiene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	9	25	
Isopropylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130	0.9	25	
Methyl tert-Butyl Ether	0.0445	0.0050	mg/kg wet	0.05000		89	70-130	3	25	
Methylene Chloride	0.0248	0.0250	mg/kg wet	0.05000		50	70-130	69	25	B-, D+
Naphthalene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	1	25	
n-Butylbenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130	1	25	
n-Propylbenzene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130	0.9	25	
sec-Butylbenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
Styrene	0.0578	0.0050	mg/kg wet	0.05000		116	70-130	0.8	25	
tert-Butylbenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	0.7	25	
Tertiary-amyl methyl ether	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	0.2	25	
Tetrachloroethene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
Tetrahydrofuran	0.0494	0.0050	mg/kg wet	0.05000		99	70-130	7	25	
Toluene	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	3	25	
trans-1,2-Dichloroethene	0.0436	0.0050	mg/kg wet	0.05000		87	70-130	3	25	
trans-1,3-Dichloropropene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Trichloroethene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	4	25	
Trichlorofluoromethane	0.0382	0.0050	mg/kg wet	0.05000		76	70-130	3	25	
Vinyl Acetate	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Vinyl Chloride	0.0613	0.0100	mg/kg wet	0.05000		123	70-130	3	25	
Xylene O	0.0553	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
Xylene P,M	0.115	0.0100	mg/kg wet	0.1000		115	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	0.0399		mg/kg wet	0.05000		80	70-130			
Surrogate: 4-Bromofluorobenzene	0.0495		mg/kg wet	0.05000		99	70-130			
Surrogate: Dibromofluoromethane	0.0403		mg/kg wet	0.05000		81	70-130			
Surrogate: Toluene-d8	0.0493		mg/kg wet	0.05000		99	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CI20430 - 3546

Blank

Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacotane (C30)	ND	0.2	mg/kg wet							

Surrogate: O-Terphenyl 5.03 mg/kg wet 5.000 101 40-140

LCS

Decane (C10)	1.8	0.2	mg/kg wet	2.500	73	40-140				
Docosane (C22)	2.8	0.2	mg/kg wet	2.500	110	40-140				
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500	78	40-140				
Eicosane (C20)	2.7	0.2	mg/kg wet	2.500	109	40-140				
Hexacosane (C26)	2.7	0.2	mg/kg wet	2.500	109	40-140				
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500	97	40-140				
Nonadecane (C19)	2.6	0.2	mg/kg wet	2.500	104	40-140				
Nonane (C9)	1.6	0.2	mg/kg wet	2.500	62	30-140				
Octacosane (C28)	2.7	0.2	mg/kg wet	2.500	108	40-140				
Octadecane (C18)	2.6	0.2	mg/kg wet	2.500	105	40-140				
Tetracosane (C24)	2.8	0.2	mg/kg wet	2.500	110	40-140				
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500	79	40-140				
Total Petroleum Hydrocarbons	36.1	37.5	mg/kg wet	35.00	103	40-140				
Triacotane (C30)	2.7	0.2	mg/kg wet	2.500	107	40-140				

Surrogate: O-Terphenyl 4.73 mg/kg wet 5.000 95 40-140

LCS Dup

Decane (C10)	2.3	0.2	mg/kg wet	2.500	91	40-140	23	50		
Docosane (C22)	3.0	0.2	mg/kg wet	2.500	119	40-140	8	50		
Dodecane (C12)	2.5	0.2	mg/kg wet	2.500	98	40-140	24	50		
Eicosane (C20)	3.0	0.2	mg/kg wet	2.500	119	40-140	9	50		
Hexacosane (C26)	3.0	0.2	mg/kg wet	2.500	119	40-140	8	50		
Hexadecane (C16)	2.9	0.2	mg/kg wet	2.500	117	40-140	19	50		
Nonadecane (C19)	2.8	0.2	mg/kg wet	2.500	112	40-140	7	50		
Nonane (C9)	2.0	0.2	mg/kg wet	2.500	80	30-140	26	50		
Octacosane (C28)	2.9	0.2	mg/kg wet	2.500	118	40-140	9	50		
Octadecane (C18)	3.0	0.2	mg/kg wet	2.500	120	40-140	13	50		



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CI20430 - 3546

Tetracosane (C24)	3.0	0.2	mg/kg wet	2.500		120	40-140	8	50	
Tetradecane (C14)	2.5	0.2	mg/kg wet	2.500		101	40-140	23	50	
Total Petroleum Hydrocarbons	41.0	37.5	mg/kg wet	35.00		117	40-140	13	50	
Triacotane (C30)	2.9	0.2	mg/kg wet	2.500		117	40-140	9	50	

Surrogate: O-Terphenyl *5.39* *mg/kg wet* *5.000* *108* *40-140*

8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.00		mg/kg wet	3.333		60	30-130			
Surrogate: 2,4,6-Tribromophenol	4.70		mg/kg wet	5.000		94	30-130			
Surrogate: 2-Chlorophenol-d4	3.37		mg/kg wet	5.000		67	30-130			
Surrogate: 2-Fluorobiphenyl	1.87		mg/kg wet	3.333		56	30-130			
Surrogate: 2-Fluorophenol	3.25		mg/kg wet	5.000		65	30-130			
Surrogate: Nitrobenzene-d5	1.87		mg/kg wet	3.333		56	30-130			
Surrogate: Phenol-d6	3.42		mg/kg wet	5.000		68	30-130			
Surrogate: p-Terphenyl-d14	2.46		mg/kg wet	3.333		74	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

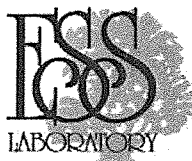
Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

LCS

1,1-Biphenyl	1.80	0.333	mg/kg wet	3.333		54	40-140			
1,2,4-Trichlorobenzene	1.74	0.333	mg/kg wet	3.333		52	40-140			
1,2-Dichlorobenzene	1.73	0.333	mg/kg wet	3.333		52	40-140			
1,3-Dichlorobenzene	1.76	0.333	mg/kg wet	3.333		53	40-140			
1,4-Dichlorobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140			
2,3,4,6-Tetrachlorophenol	2.78	1.67	mg/kg wet	3.333		84	30-130			
2,4,5-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.25	0.333	mg/kg wet	3.333		67	30-130			
2,4-Dichlorophenol	1.91	0.333	mg/kg wet	3.333		57	30-130			
2,4-Dimethylphenol	1.92	0.333	mg/kg wet	3.333		58	30-130			
2,4-Dinitrophenol	2.29	1.67	mg/kg wet	3.333		69	30-130			
2,4-Dinitrotoluene	2.60	0.333	mg/kg wet	3.333		78	40-140			
2,6-Dinitrotoluene	2.52	0.333	mg/kg wet	3.333		76	40-140			
2-Chloronaphthalene	1.66	0.333	mg/kg wet	3.333		50	40-140			
2-Chlorophenol	1.68	0.333	mg/kg wet	3.333		50	30-130			
2-Methylnaphthalene	1.82	0.333	mg/kg wet	3.333		55	40-140			
2-Methylphenol	1.71	0.333	mg/kg wet	3.333		51	30-130			
2-Nitroaniline	1.85	0.333	mg/kg wet	3.333		55	40-140			
2-Nitrophenol	1.90	0.333	mg/kg wet	3.333		57	30-130			
3,3'-Dichlorobenzidine	2.54	0.667	mg/kg wet	3.333		76	40-140			
3+4-Methylphenol	2.57	0.667	mg/kg wet	6.667		39	30-130			
3-Nitroaniline	2.42	0.333	mg/kg wet	3.333		72	40-140			
4,6-Dinitro-2-Methylphenol	2.89	1.67	mg/kg wet	3.333		87	30-130			
4-Bromophenyl-phenylether	2.83	0.333	mg/kg wet	3.333		85	40-140			
4-Chloro-3-Methylphenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
4-Chloroaniline	1.69	0.667	mg/kg wet	3.333		51	40-140			
4-Chloro-phenyl-phenyl ether	2.16	0.333	mg/kg wet	3.333		65	40-140			
4-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140			
4-Nitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.06	0.333	mg/kg wet	3.333		62	40-140			
Acenaphthylene	1.92	0.333	mg/kg wet	3.333		58	40-140			
Acetophenone	1.38	0.667	mg/kg wet	3.333		41	40-140			
Aniline	1.45	0.667	mg/kg wet	3.333		43	40-140			
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140			
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)pyrene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Benzo(b)fluoranthene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Benzo(g,h,i)perylene	3.29	0.333	mg/kg wet	3.333		99	40-140			
Benzo(k)fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Benzoic Acid	2.63	1.67	mg/kg wet	3.333		79	40-140			
Benzyl Alcohol	1.59	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethoxy)methane	1.62	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethyl)ether	1.49	0.333	mg/kg wet	3.333		45	40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

bis(2-chloroisopropyl)Ether	1.62	0.333	mg/kg wet	3.333		49	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Carbazole	2.60	0.333	mg/kg wet	3.333		78	40-140			
Chrysene	2.95	0.167	mg/kg wet	3.333		89	40-140			
Dibenzo(a,h)Anthracene	3.39	0.167	mg/kg wet	3.333		102	40-140			
Dibenzofuran	2.02	0.333	mg/kg wet	3.333		61	40-140			
Diethylphthalate	2.44	0.333	mg/kg wet	3.333		73	40-140			
Dimethylphthalate	2.39	0.333	mg/kg wet	3.333		72	40-140			
Di-n-butylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Fluorene	2.25	0.333	mg/kg wet	3.333		68	40-140			
Hexachlorobenzene	2.96	0.167	mg/kg wet	3.333		89	40-140			
Hexachlorobutadiene	1.92	0.333	mg/kg wet	3.333		58	40-140			
Hexachlorocyclopentadiene	1.93	1.67	mg/kg wet	3.333		58	40-140			
Hexachloroethane	1.69	0.333	mg/kg wet	3.333		51	40-140			
Indeno(1,2,3-cd)Pyrene	3.31	0.333	mg/kg wet	3.333		99	40-140			
Isophorone	1.65	0.333	mg/kg wet	3.333		49	40-140			
Naphthalene	1.73	0.333	mg/kg wet	3.333		52	40-140			
Nitrobenzene	1.69	0.333	mg/kg wet	3.333		51	40-140			
N-Nitrosodimethylamine	1.47	0.333	mg/kg wet	3.333		44	40-140			
N-Nitroso-Di-n-Propylamine	1.26	0.333	mg/kg wet	3.333		38	40-140			B-
N-nitrosodiphenylamine	2.71	0.333	mg/kg wet	3.333		81	40-140			
Pentachlorophenol	3.09	1.67	mg/kg wet	3.333		93	30-130			
Phenanthrene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Phenol	1.50	0.333	mg/kg wet	3.333		45	30-130			
Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Pyridine	1.20	1.67	mg/kg wet	3.333		36	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	1.48		mg/kg wet	3.333		44	30-130			
Surrogate: 2,4,6-Tribromophenol	5.10		mg/kg wet	5.000		102	30-130			
Surrogate: 2-Chlorophenol-d4	2.60		mg/kg wet	5.000		52	30-130			
Surrogate: 2-Fluorobiphenyl	1.51		mg/kg wet	3.333		45	30-130			
Surrogate: 2-Fluorophenol	2.48		mg/kg wet	5.000		50	30-130			
Surrogate: Nitrobenzene-d5	1.39		mg/kg wet	3.333		42	30-130			
Surrogate: Phenol-d6	2.64		mg/kg wet	5.000		53	30-130			
Surrogate: p-Terphenyl-d14	2.53		mg/kg wet	3.333		76	30-130			

LCS Dup

1,1-Biphenyl	2.33	0.333	mg/kg wet	3.333		70	40-140	26	30	
1,2,4-Trichlorobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140	31	30	D+
1,2-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		69	40-140	27	30	
1,3-Dichlorobenzene	2.34	0.333	mg/kg wet	3.333		70	40-140	29	30	
1,4-Dichlorobenzene	2.25	0.333	mg/kg wet	3.333		68	40-140	28	30	
2,3,4,6-Tetrachlorophenol	2.99	1.67	mg/kg wet	3.333		90	30-130	7	30	
2,4,5-Trichlorophenol	2.93	0.333	mg/kg wet	3.333		88	30-130	16	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch C120515 - 3546

2,4,6-Trichlorophenol	2.81	0.333	mg/kg wet	3.333		84	30-130	22	30	
2,4-Dichlorophenol	2.65	0.333	mg/kg wet	3.333		79	30-130	32	30	D+
2,4-Dimethylphenol	2.63	0.333	mg/kg wet	3.333		79	30-130	31	30	D+
2,4-Dinitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130	11	30	
2,4-Dinitrotoluene	2.70	0.333	mg/kg wet	3.333		81	40-140	4	30	
2,6-Dinitrotoluene	2.80	0.333	mg/kg wet	3.333		84	40-140	10	30	
2-Chloronaphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	27	30	
2-Chlorophenol	2.26	0.333	mg/kg wet	3.333		68	30-130	30	30	
2-Methylnaphthalene	2.41	0.333	mg/kg wet	3.333		72	40-140	28	30	
2-Methylphenol	2.30	0.333	mg/kg wet	3.333		69	30-130	30	30	
2-Nitroaniline	2.12	0.333	mg/kg wet	3.333		64	40-140	14	30	
2-Nitrophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	35	30	D+
3,3'-Dichlorobenzidine	2.57	0.667	mg/kg wet	3.333		77	40-140	1	30	
3+4-Methylphenol	3.01	0.667	mg/kg wet	6.667		45	30-130	16	30	
3-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140	7	30	
4,6-Dinitro-2-Methylphenol	2.96	1.67	mg/kg wet	3.333		89	30-130	3	30	
4-Bromophenyl-phenylether	3.10	0.333	mg/kg wet	3.333		93	40-140	9	30	
4-Chloro-3-Methylphenol	2.81	0.333	mg/kg wet	3.333		84	30-130	21	30	
4-Chloroaniline	2.20	0.667	mg/kg wet	3.333		66	40-140	26	30	
4-Chloro-phenyl-phenyl ether	2.51	0.333	mg/kg wet	3.333		75	40-140	15	30	
4-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140	2	30	
4-Nitrophenol	2.41	1.67	mg/kg wet	3.333		72	30-130	3	30	
Acenaphthene	2.52	0.333	mg/kg wet	3.333		76	40-140	20	30	
Acenaphthylene	2.35	0.333	mg/kg wet	3.333		70	40-140	20	30	
Acetophenone	1.70	0.667	mg/kg wet	3.333		51	40-140	20	30	
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140	23	30	
Anthracene	2.76	0.333	mg/kg wet	3.333		83	40-140	2	30	
Azobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140	8	30	
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140	0.2	30	
Benzo(a)pyrene	2.84	0.167	mg/kg wet	3.333		85	40-140	0.7	30	
Benzo(b)fluoranthene	3.03	0.333	mg/kg wet	3.333		91	40-140	0.7	30	
Benzo(g,h,i)perylene	3.22	0.333	mg/kg wet	3.333		97	40-140	2	30	
Benzo(k)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140	2	30	
Benzoic Acid	3.20	1.67	mg/kg wet	3.333		96	40-140	20	30	
Benzyl Alcohol	2.07	0.333	mg/kg wet	3.333		62	40-140	26	30	
bis(2-Chloroethoxy)methane	2.13	0.333	mg/kg wet	3.333		64	40-140	28	30	
bis(2-Chloroethyl)ether	2.04	0.333	mg/kg wet	3.333		61	40-140	31	30	D+
bis(2-chloroisopropyl)Ether	2.18	0.333	mg/kg wet	3.333		66	40-140	30	30	
bis(2-Ethylhexyl)phthalate	2.82	0.333	mg/kg wet	3.333		85	40-140	1	30	
Butylbenzylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140	0.1	30	
Carbazole	2.61	0.333	mg/kg wet	3.333		78	40-140	0.6	30	
Chrysene	2.97	0.167	mg/kg wet	3.333		89	40-140	0.6	30	
Dibenzo(a,h)Anthracene	3.35	0.167	mg/kg wet	3.333		101	40-140	1	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	17	30	
Diethylphthalate	2.63	0.333	mg/kg wet	3.333		79	40-140	7	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Dimethylphthalate	2.67	0.333	mg/kg wet	3.333		80	40-140	11	30	
Di-n-butylphthalate	2.57	0.333	mg/kg wet	3.333		77	40-140	2	30	
Di-n-octylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140	2	30	
Fluoranthene	2.56	0.333	mg/kg wet	3.333		77	40-140	0.4	30	
Fluorene	2.56	0.333	mg/kg wet	3.333		77	40-140	13	30	
Hexachlorobenzene	3.13	0.167	mg/kg wet	3.333		94	40-140	6	30	
Hexachlorobutadiene	2.64	0.333	mg/kg wet	3.333		79	40-140	32	30	D+
Hexachlorocyclopentadiene	2.62	1.67	mg/kg wet	3.333		79	40-140	30	30	
Hexachloroethane	2.32	0.333	mg/kg wet	3.333		70	40-140	31	30	D+
Indeno(1,2,3-cd)Pyrene	3.25	0.333	mg/kg wet	3.333		98	40-140	2	30	
Isophorone	2.18	0.333	mg/kg wet	3.333		65	40-140	28	30	
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	29	30	
Nitrobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140	29	30	
N-Nitrosodimethylamine	1.90	0.333	mg/kg wet	3.333		57	40-140	25	30	
N-Nitroso-Di-n-Propylamine	1.56	0.333	mg/kg wet	3.333		47	40-140	21	30	
N-nitrosodiphenylamine	2.85	0.333	mg/kg wet	3.333		86	40-140	5	30	
Pentachlorophenol	3.24	1.67	mg/kg wet	3.333		97	30-130	5	30	
Phenanthrene	2.75	0.333	mg/kg wet	3.333		82	40-140	3	30	
Phenol	1.91	0.333	mg/kg wet	3.333		57	30-130	24	30	
Pyrene	3.02	0.333	mg/kg wet	3.333		91	40-140	2	30	
Pyridine	1.41	1.67	mg/kg wet	3.333		42	40-140	16	30	
Surrogate: 1,2-Dichlorobenzene-d4	1.86		mg/kg wet	3.333		56	30-130			
Surrogate: 2,4,6-Tribromophenol	5.22		mg/kg wet	5.000		104	30-130			
Surrogate: 2-Chlorophenol-d4	3.40		mg/kg wet	5.000		68	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/kg wet	3.333		58	30-130			
Surrogate: 2-Fluorophenol	3.21		mg/kg wet	5.000		64	30-130			
Surrogate: Nitrobenzene-d5	1.83		mg/kg wet	3.333		55	30-130			
Surrogate: Phenol-d6	3.36		mg/kg wet	5.000		67	30-130			
Surrogate: p-Terphenyl-d14	2.46		mg/kg wet	3.333		74	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

Notes and Definitions

- U Analyte included in the analysis, but not detected
- SC Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results (SC).
- ICV Initial Calibration Verification recovery is outside of control limit (ICV).
- IC Internal Standard(s) outside of criteria. Sample was reanalyzed to confirm (IC).
- D+ Relative percent difference for duplicate is outside of criteria (D+).
- D Diluted.
- C+ Continuing Calibration recovery is above upper control limit (C+).
- B+ Blank Spike recovery is above upper control limit (B+).
- B- Blank Spike recovery is below lower control limit (B-).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208514

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: ET & L
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12080514
Date Project Due: 9/4/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|--|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> * Yes |
| Cooler Temp: <u>1.6</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Iced With: <u>Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: <u>01</u> | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: <u>CTS</u> | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: <u>Sieve Analysis</u> | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: <u>Std</u> | |
18. Was there need to call project manager to discuss status? If yes, please explain.

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	Plastic Bag	1	NP

Completed By: JK Date/Time: 8/28/12
Reviewed By: CD Date/Time: 8/28/12

ESS Laboratory

CHAIN OF CUSTODY

ESS Lab # 1208514

Division of Thielsch Engineering, Inc.

106 South Street, Hopkinton, MA 01748
 Tel. (508) 435-9244 Fax (508) 435-9912
 www.esslaboratory.com

Turn Time Standard Other _____

Regulatory State: MA RI CT NH NJ NY ME Other _____

Is this project for any of the following:(please circle)
 MA-MCP Navy USACE CT DEP Other _____

Reporting Limits - _____

Electronic Deliverables Excel Access PDF

Co. Name **E.T. & L. CORP**

Project # **CTS-74-12-0003.135**

Project Name **TEXTRON SITE**

Contact Person **JAY / MATT POLSKY**

Proj. Location **PROVIDENCE R.I.**

Address **873 GREAT ROAD**

City, State **STON MA**

Zip **01775**

PO#

Tel.

Fax.

email:

Analysis
 VOC
 SVOC
 TPH
 R & METALS
 Sieve Analysis

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC	SVOC	TPH	R & METALS	Sieve Analysis
01	8/28/12	12:50 P.M.	G	SOLID	COPAR-SAND #1	1,6	6	G/V		X	X	X	X	X
HOLD SAMPLE - PENDING SIEVE ANALYSIS														

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present Yes No Internal Use Only

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Seals Intact Yes No NA: [] Pickup

Sampled by:

Cooler Temperature: 11.0°C [] Technician _____

Comments: **QUESTIONS TO MATT POLSKY**

Relinquished by: (Signature, Date & Time)
Jay Ballon 8/28/12 3:00 PM

Received by: (Signature, Date & Time)
J. Keenan 8/28/12 1:50

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody

Report Method Blank & Laboratory Control Sample Results

1 (White) Lab Copy
 2 (Yellow) Client Receipt

Sample and Cooler Receipt Checklist

Client: ET & L
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12080514
Date Project Due: 9/4/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|--|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> * Yes |
| Cooler Temp: <u>1.6</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Iced With: <u>Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: _____ | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: _____ | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: _____ | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: _____ | |

18. Was there need to call project manager to discuss status? If yes, please explain.

Revised! Samples off hold for analysis! Jars + vials added
LL were frozen 8/28/12 upon arrival JK

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	1	MeOH
1	Yes	40 ml - VOA	2	other
1	Yes	8 oz Soil Jar	3	NP
1	Yes	Plastic Bag	1	NP

Completed By: JK Date/Time: 8/31/12
Reviewed By: JK Date/Time: 8/31/12

8/31/12

ESS Laboratory

Division of Thielsch Engineering, Inc.
 106 South Street, Hopkinton, MA 01748
 Tel. (508) 435-9244 Fax (508) 435-9912
 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # **1208514**

Turn Time Standard Other _____
 Regulatory State: MA RI CT NH NJ NY ME Other _____
 Is this project for any of the following: (please circle)
 MA-MCP Navy USACE CT DEP Other _____

Reporting Limits - _____
 Electronic Deliverables Excel Access PDF

Co. Name **E.T. & L. CORP**
 Contact Person **JAY / MATT POLSKY**
 Address **873 GREAT ROAD** City, State **STOW MA** Zip **01775** PO # _____
 Tel. _____ Fax _____ email: _____

Project # **CTS-74-12-0008.13J** Project Name **TEXTRON SITE**
 Proj. Location **PROVIDENCE R.I.**

Analysis	VOC	SVOC	TPH	R & B METALS	SIEVE ANALYSIS															
	X	X	X	X	X															

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	VOC	SVOC	TPH	R & B METALS	SIEVE ANALYSIS						
01	8/28/12	12:50 P.M.	G	SOLID	COPAR-SAND #1	1,6	6	G/V		X	X	X	X	X						
					SAMPLES OFF HOLD															
					JK 8/31/12															
HOLD SAMPLE - PENDING SIEVE ANALYSIS																				

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

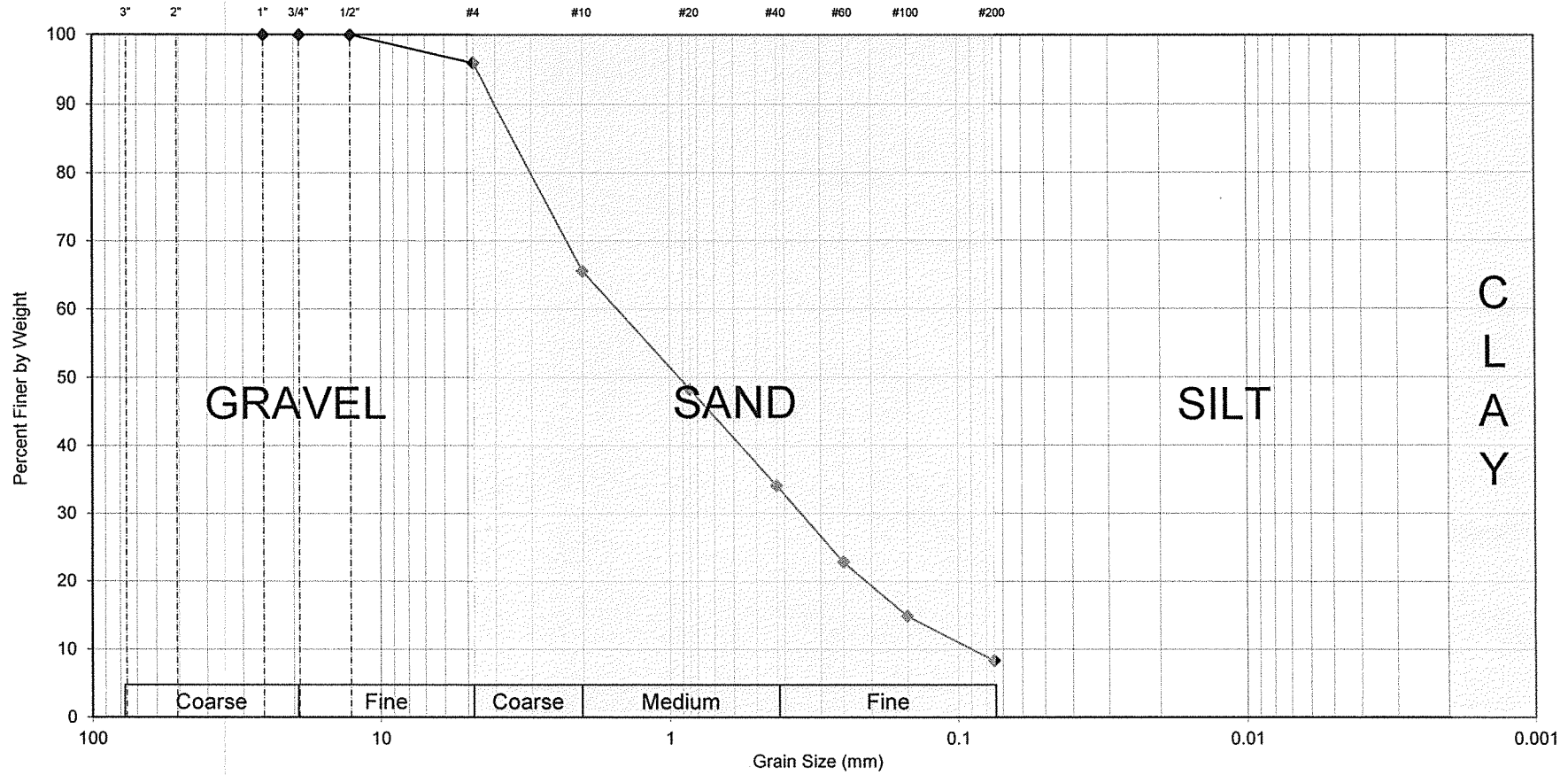
Cooler Present Yes No Internal Use Only
 Seals Intact Yes No NA: [] Pickup
 Cooler Temperature: **11.0°C** [] Technician _____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Ascorbic Acid, 8-ZnAct, 9-_____
 Sampled by: _____
 Comments: **QUESTIONS TO MATT POLSKY**

Relinquished by: (Signature, Date & Time) Jay Ballouin 8/28/12 3:00 PM	Received by: (Signature, Date & Time) JK 8/28/12 12:00	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)
Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)	Relinquished by: (Signature, Date & Time)	Received by: (Signature, Date & Time)

Report Method Blank & Laboratory Control Sample Results

U.S. STANDARD SIEVE AND HYDROMETER



Gravel
4.1%

Sand
87.5%

Fines
8.4%

Lab #	Source	Material	Yardage	Description	WC	LL	PL	PI
368	Copar	Cover Soil	1500-2000 cy	Brown Poorly-graded Sand with Silt (SP-SM)				

Sieve Size	% Passing
3/4"	100.0
1/2"	100.0
#4	95.9
#10	65.6
#20	48.2
#40	34.1
#60	22.8
#100	14.8
#200	8.4



Textron Site
 Providence, RI
 Thielsch CTS # 74-12-0003.13J
 Tested by: GG Date: 10/12/12
 Reviewed by: MBP Date: 10/18/12



CERTIFICATE OF ANALYSIS

Matt Polsky
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910

RE: ET and L Corp (CTS-74-12-0003.13J)
ESS Laboratory Work Order Number: 1210249

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 2:51 pm, Oct 19, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

SAMPLE RECEIPT

The following samples were received on October 11, 2012 for the analyses specified on the enclosed Chain of Custody Record.

<u>Lab Number</u>	<u>SampleName</u>	<u>Matrix</u>	<u>Analysis</u>
1210249-01	1500-2000cy Cover Soil	Soil	6010B, 7471A, 8100M, 8260B Low, 8270C
1210249-02	Infield Mix	Soil	6010B, 7471A, 8100M, 8260B Low, 8270C



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

PROJECT NARRATIVE

8100M Total Petroleum Hydrocarbons

CVJ0185-CCV2 Continuing Calibration recovery is above upper control limit (C+).
Total Petroleum Hydrocarbons (121% @ 80-120%)

8270C Semi-Volatile Organic Compounds

CVJ0124-CCV1 Calibration required quadratic regression (Q).
2,4-Dinitrophenol (99% @ 70-130%)

CVJ0124-CCV1 Continuing Calibration recovery is above upper control limit (C+).
Di-n-octylphthalate (136% @ 80-120%)

CVJ0130-CCV1 Calibration required quadratic regression (Q).
2,4-Dinitrophenol (102% @ 70-130%), Benzo(a)anthracene (109% @ 70-130%)

CVJ0130-CCV1 Continuing Calibration recovery is above upper control limit (C+).
Di-n-octylphthalate (128% @ 80-120%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1500-2000cy Cover Soil
Date Sampled: 10/11/12 13:00
Percent Solids: 96

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	ND (2.4)	6010B		1	SVD	10/12/12 18:57	2.18	100	CJ21138
Barium	16.6 (2.4)	6010B		1	SVD	10/12/12 18:57	2.18	100	CJ21138
Cadmium	ND (0.48)	6010B		1	SVD	10/12/12 18:57	2.18	100	CJ21138
Chromium	ND (1.0)	6010B		1	SVD	10/12/12 18:57	2.18	100	CJ21138
Lead	ND (4.8)	6010B		1	SVD	10/12/12 18:57	2.18	100	CJ21138
Mercury	ND (0.034)	7471A		1	LLZ	10/12/12 13:26	0.61	40	CJ21139
Selenium	ND (4.8)	6010B		1	SVD	10/12/12 18:57	2.18	100	CJ21138
Silver	ND (0.48)	6010B		1	SVD	10/12/12 18:57	2.18	100	CJ21138



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 1500-2000cy Cover Soil
 Date Sampled: 10/11/12 13:00
 Percent Solids: 96
 Initial Volume: 5.4
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1210249
 ESS Laboratory Sample ID: 1210249-01
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,1,1-Trichloroethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,1,2,2-Tetrachloroethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,1,2-Trichloroethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,1-Dichloroethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,1-Dichloroethene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,1-Dichloropropene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2,3-Trichlorobenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2,3-Trichloropropane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2,4-Trichlorobenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2,4-Trimethylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2-Dibromo-3-Chloropropane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2-Dibromoethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2-Dichlorobenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2-Dichloroethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,2-Dichloropropane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,3,5-Trimethylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,3-Dichlorobenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,3-Dichloropropane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,4-Dichlorobenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
1,4-Dioxane	ND (0.0965)		1	10/17/12 16:28	CVJ0178	CJ21723
1-Chlorohexane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
2,2-Dichloropropane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
2-Butanone	ND (0.0482)		1	10/17/12 16:28	CVJ0178	CJ21723
2-Chlorotoluene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
2-Hexanone	ND (0.0482)		1	10/17/12 16:28	CVJ0178	CJ21723
4-Chlorotoluene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
4-Isopropyltoluene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
4-Methyl-2-Pentanone	ND (0.0482)		1	10/17/12 16:28	CVJ0178	CJ21723
Acetone	ND (0.0482)		1	10/17/12 16:28	CVJ0178	CJ21723
Benzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 1500-2000cy Cover Soil
 Date Sampled: 10/11/12 13:00
 Percent Solids: 96
 Initial Volume: 5.4
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1210249
 ESS Laboratory Sample ID: 1210249-01
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Bromochloromethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Bromodichloromethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Bromoform	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Bromomethane	ND (0.0096)		1	10/17/12 16:28	CVJ0178	CJ21723
Carbon Disulfide	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Carbon Tetrachloride	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Chlorobenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Chloroethane	ND (0.0096)		1	10/17/12 16:28	CVJ0178	CJ21723
Chloroform	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Chloromethane	ND (0.0096)		1	10/17/12 16:28	CVJ0178	CJ21723
cis-1,2-Dichloroethene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
cis-1,3-Dichloropropene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Dibromochloromethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Dibromomethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Dichlorodifluoromethane	ND (0.0096)		1	10/17/12 16:28	CVJ0178	CJ21723
Diethyl Ether	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Di-isopropyl ether	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Ethyl tertiary-butyl ether	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Ethylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Hexachlorobutadiene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Isopropylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Methyl tert-Butyl Ether	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Methylene Chloride	ND (0.0241)		1	10/17/12 16:28	CVJ0178	CJ21723
Naphthalene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
n-Butylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
n-Propylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
sec-Butylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Styrene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
tert-Butylbenzene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Tertiary-amyl methyl ether	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 1500-2000cy Cover Soil
 Date Sampled: 10/11/12 13:00
 Percent Solids: 96
 Initial Volume: 5.4
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1210249
 ESS Laboratory Sample ID: 1210249-01
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrachloroethene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Tetrahydrofuran	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Toluene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
trans-1,2-Dichloroethene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
trans-1,3-Dichloropropene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Trichloroethene	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Trichlorofluoromethane	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Vinyl Acetate	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Vinyl Chloride	ND (0.0096)		1	10/17/12 16:28	CVJ0178	CJ21723
Xylene O	ND (0.0048)		1	10/17/12 16:28	CVJ0178	CJ21723
Xylene P,M	ND (0.0096)		1	10/17/12 16:28	CVJ0178	CJ21723
Xylenes (Total)	ND (0.0145)		1	10/17/12 16:28		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	89 %		70-130
Surrogate: 4-Bromofluorobenzene	88 %		70-130
Surrogate: Dibromofluoromethane	89 %		70-130
Surrogate: Toluene-d8	91 %		70-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1500-2000cy Cover Soil
Date Sampled: 10/11/12 13:00
Percent Solids: 96
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/17/12 12:20

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	ND (38.9)		1	10/18/12 16:19	CVJ0185	CJ21719
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	85 %		40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 1500-2000cy Cover Soil
 Date Sampled: 10/11/12 13:00
 Percent Solids: 96
 Initial Volume: 14.2
 Final Volume: 0.5
 Extraction Method: 3546

ESS Laboratory Work Order: 1210249
 ESS Laboratory Sample ID: 1210249-01
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: IBM
 Prepared: 10/11/12 18:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
1,2,4-Trichlorobenzene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
1,2-Dichlorobenzene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
1,3-Dichlorobenzene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
1,4-Dichlorobenzene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2,3,4,6-Tetrachlorophenol	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130
2,4,5-Trichlorophenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2,4,6-Trichlorophenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2,4-Dichlorophenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2,4-Dimethylphenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2,4-Dinitrophenol	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130
2,4-Dinitrotoluene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2,6-Dinitrotoluene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2-Chloronaphthalene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2-Chlorophenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2-Methylnaphthalene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2-Methylphenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2-Nitroaniline	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
2-Nitrophenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
3,3'-Dichlorobenzidine	ND (0.734)		1	10/13/12 0:30	CVJ0130	CJ21130
3+4-Methylphenol	ND (0.734)		1	10/13/12 0:30	CVJ0130	CJ21130
3-Nitroaniline	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
4,6-Dinitro-2-Methylphenol	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130
4-Bromophenyl-phenylether	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
4-Chloro-3-Methylphenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
4-Chloroaniline	ND (0.734)		1	10/13/12 0:30	CVJ0130	CJ21130
4-Chloro-phenyl-phenyl ether	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
4-Nitroaniline	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
4-Nitrophenol	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130
Acenaphthene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Acenaphthylene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1500-2000cy Cover Soil
Date Sampled: 10/11/12 13:00
Percent Solids: 96
Initial Volume: 14.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/11/12 18:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.734)		1	10/13/12 0:30	CVJ0130	CJ21130
Aniline	ND (0.734)		1	10/13/12 0:30	CVJ0130	CJ21130
Anthracene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Azobenzene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Benzo(a)anthracene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Benzo(a)pyrene	ND (0.184)		1	10/13/12 0:30	CVJ0130	CJ21130
Benzo(b)fluoranthene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Benzo(g,h,i)perylene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Benzo(k)fluoranthene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Benzoic Acid	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130
Benzyl Alcohol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
bis(2-Chloroethoxy)methane	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
bis(2-Chloroethyl)ether	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
bis(2-chloroisopropyl)Ether	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
bis(2-Ethylhexyl)phthalate	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Butylbenzylphthalate	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Carbazole	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Chrysene	ND (0.184)		1	10/13/12 0:30	CVJ0130	CJ21130
Dibenzo(a,h)Anthracene	ND (0.184)		1	10/13/12 0:30	CVJ0130	CJ21130
Dibenzofuran	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Diethylphthalate	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Dimethylphthalate	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Di-n-butylphthalate	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Di-n-octylphthalate	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Fluoranthene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Fluorene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Hexachlorobenzene	ND (0.184)		1	10/13/12 0:30	CVJ0130	CJ21130
Hexachlorobutadiene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Hexachlorocyclopentadiene	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130
Hexachloroethane	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Indeno(1,2,3-cd)Pyrene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 1500-2000cy Cover Soil
 Date Sampled: 10/11/12 13:00
 Percent Solids: 96
 Initial Volume: 14.2
 Final Volume: 0.5
 Extraction Method: 3546

ESS Laboratory Work Order: 1210249
 ESS Laboratory Sample ID: 1210249-01
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: IBM
 Prepared: 10/11/12 18:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Naphthalene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Nitrobenzene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
N-Nitrosodimethylamine	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
N-Nitroso-Di-n-Propylamine	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
N-nitrosodiphenylamine	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Pentachlorophenol	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130
Phenanthrene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Phenol	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Pyrene	ND (0.366)		1	10/13/12 0:30	CVJ0130	CJ21130
Pyridine	ND (1.84)		1	10/13/12 0:30	CVJ0130	CJ21130

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	70 %		30-130
Surrogate: 2,4,6-Tribromophenol	92 %		30-130
Surrogate: 2-Chlorophenol-d4	74 %		30-130
Surrogate: 2-Fluorobiphenyl	77 %		30-130
Surrogate: 2-Fluorophenol	70 %		30-130
Surrogate: Nitrobenzene-d5	66 %		30-130
Surrogate: Phenol-d6	70 %		30-130
Surrogate: p-Terphenyl-d14	88 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CJ21138 - 3050B

Blank

Arsenic	ND	2.5	mg/kg wet							
Barium	ND	2.5	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.0	mg/kg wet							
Lead	ND	5.0	mg/kg wet							
Selenium	ND	5.0	mg/kg wet							
Silver	ND	0.50	mg/kg wet							

LCS

Arsenic	147	9.1	mg/kg wet	168.0		88	80-120			
Barium	179	9.1	mg/kg wet	213.0		84	80-120			
Cadmium	87.1	1.83	mg/kg wet	103.0		85	80-120			
Chromium	101	3.6	mg/kg wet	119.0		85	80-120			
Lead	68.3	18.2	mg/kg wet	76.90		89	80-120			
Selenium	113	18.2	mg/kg wet	126.0		89	80-120			
Silver	34.4	1.83	mg/kg wet	42.30		81	80-120			

LCS Dup

Arsenic	157	8.6	mg/kg wet	168.0		93	80-120	6	20	
Barium	185	8.6	mg/kg wet	213.0		87	80-120	4	20	
Cadmium	89.9	1.73	mg/kg wet	103.0		87	80-120	3	20	
Chromium	106	3.4	mg/kg wet	119.0		89	80-120	4	20	
Lead	69.7	17.2	mg/kg wet	76.90		91	80-120	2	20	
Selenium	122	17.2	mg/kg wet	126.0		97	80-120	8	20	
Silver	35.4	1.73	mg/kg wet	42.30		84	80-120	3	20	

Batch CJ21139 - 7471A

Blank

Mercury	ND	0.033	mg/kg wet							
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LCS

Mercury	27.3	3.14	mg/kg wet	25.10		109	80-120			
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LCS Dup

Mercury	27.9	3.00	mg/kg wet	25.10		111	80-120	2	20	
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

Blank

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

1,2,3-Trichloropropane	ND	0.0050	mg/kg wet
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet
1,2-Dibromoethane	ND	0.0050	mg/kg wet
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet
1,2-Dichloroethane	ND	0.0050	mg/kg wet
1,2-Dichloropropane	ND	0.0050	mg/kg wet
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet
1,3-Dichloropropane	ND	0.0050	mg/kg wet
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet
1,4-Dioxane	ND	0.100	mg/kg wet
1-Chlorohexane	ND	0.0050	mg/kg wet
2,2-Dichloropropane	ND	0.0050	mg/kg wet
2-Butanone	ND	0.0500	mg/kg wet
2-Chlorotoluene	ND	0.0050	mg/kg wet
2-Hexanone	ND	0.0500	mg/kg wet
4-Chlorotoluene	ND	0.0050	mg/kg wet
4-Isopropyltoluene	ND	0.0050	mg/kg wet
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet
Acetone	ND	0.0500	mg/kg wet
Benzene	ND	0.0050	mg/kg wet
Bromobenzene	ND	0.0050	mg/kg wet
Bromochloromethane	ND	0.0050	mg/kg wet
Bromodichloromethane	ND	0.0050	mg/kg wet
Bromoform	ND	0.0050	mg/kg wet
Bromomethane	ND	0.0100	mg/kg wet
Carbon Disulfide	ND	0.0050	mg/kg wet
Carbon Tetrachloride	ND	0.0050	mg/kg wet
Chlorobenzene	ND	0.0050	mg/kg wet
Chloroethane	ND	0.0100	mg/kg wet
Chloroform	ND	0.0050	mg/kg wet
Chloromethane	ND	0.0100	mg/kg wet
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet
Dibromochloromethane	ND	0.0050	mg/kg wet
Dibromomethane	ND	0.0050	mg/kg wet
Dichlorodifluoromethane	ND	0.0100	mg/kg wet
Diethyl Ether	ND	0.0050	mg/kg wet
Di-isopropyl ether	ND	0.0050	mg/kg wet
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet
Ethylbenzene	ND	0.0050	mg/kg wet
Hexachlorobutadiene	ND	0.0050	mg/kg wet
Isopropylbenzene	ND	0.0050	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0408		mg/kg wet	0.05000		82	70-130			
Surrogate: 4-Bromofluorobenzene	0.0438		mg/kg wet	0.05000		88	70-130			
Surrogate: Dibromofluoromethane	0.0419		mg/kg wet	0.05000		84	70-130			
Surrogate: Toluene-d8	0.0463		mg/kg wet	0.05000		93	70-130			

LCS

1,1,1,2-Tetrachloroethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,1,1-Trichloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,1,2,2-Tetrachloroethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,1,2-Trichloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,1-Dichloroethane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
1,1-Dichloroethene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloropropene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
1,2,3-Trichlorobenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichloropropane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,4-Trichlorobenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,2,4-Trimethylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dibromo-3-Chloropropane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dibromoethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichlorobenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloroethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichloropropane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,3,5-Trimethylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,3-Dichlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,4-Dichlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.

Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

1,4-Dioxane	1.13	0.100	mg/kg wet	1.000		113	70-130			
1-Chlorohexane	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
2,2-Dichloropropane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
2-Butanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130			
2-Chlorotoluene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
2-Hexanone	0.283	0.0500	mg/kg wet	0.2500		113	70-130			
4-Chlorotoluene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
4-Isopropyltoluene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
4-Methyl-2-Pentanone	0.278	0.0500	mg/kg wet	0.2500		111	70-130			
Acetone	0.253	0.0500	mg/kg wet	0.2500		101	70-130			
Benzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Bromobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
Bromochloromethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Bromodichloromethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Bromoform	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Bromomethane	0.0522	0.0100	mg/kg wet	0.05000		104	70-130			
Carbon Disulfide	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Carbon Tetrachloride	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Chlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Chloroethane	0.0459	0.0100	mg/kg wet	0.05000		92	70-130			
Chloroform	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Chloromethane	0.0426	0.0100	mg/kg wet	0.05000		85	70-130			
cis-1,2-Dichloroethene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
cis-1,3-Dichloropropene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
Dibromochloromethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
Dibromomethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Dichlorodifluoromethane	0.0450	0.0100	mg/kg wet	0.05000		90	70-130			
Diethyl Ether	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Di-isopropyl ether	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Ethyl tertiary-butyl ether	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Ethylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
Hexachlorobutadiene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Isopropylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Methyl tert-Butyl Ether	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
Methylene Chloride	0.0481	0.0250	mg/kg wet	0.05000		96	70-130			
Naphthalene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
n-Butylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
n-Propylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
sec-Butylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Styrene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
tert-Butylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Tertiary-amyl methyl ether	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrachloroethene	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
Tetrahydrofuran	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Toluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ21723 - 5035										
trans-1,2-Dichloroethene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
trans-1,3-Dichloropropene	0.0598	0.0050	mg/kg wet	0.05000		120	70-130			
Trichloroethene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Trichlorofluoromethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Vinyl Acetate	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Vinyl Chloride	0.0438	0.0100	mg/kg wet	0.05000		88	70-130			
Xylene O	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0438		mg/kg wet	0.05000		88	70-130			
Surrogate: 4-Bromofluorobenzene	0.0466		mg/kg wet	0.05000		93	70-130			
Surrogate: Dibromofluoromethane	0.0462		mg/kg wet	0.05000		92	70-130			
Surrogate: Toluene-d8	0.0492		mg/kg wet	0.05000		98	70-130			
LCS Dup										
1,1,1,2-Tetrachloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	0.4	25	
1,1,1-Trichloroethane	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
1,1,2,2-Tetrachloroethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
1,1,2-Trichloroethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	3	25	
1,1-Dichloroethane	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
1,1-Dichloroethene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,1-Dichloropropene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2,3-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
1,2,3-Trichloropropane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	4	25	
1,2,4-Trichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,2,4-Trimethylbenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
1,2-Dibromo-3-Chloropropane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
1,2-Dibromoethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,2-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	0.9	25	
1,2-Dichloroethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	4	25	
1,2-Dichloropropane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
1,3,5-Trimethylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	0.3	25	
1,3-Dichlorobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	0.6	25	
1,3-Dichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
1,4-Dichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.5	25	
1,4-Dioxane	1.00	0.100	mg/kg wet	1.000		100	70-130	12	20	
1-Chlorohexane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	0.3	25	
2,2-Dichloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
2-Butanone	0.261	0.0500	mg/kg wet	0.2500		105	70-130	2	25	
2-Chlorotoluene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	0.4	25	
2-Hexanone	0.264	0.0500	mg/kg wet	0.2500		106	70-130	7	25	
4-Chlorotoluene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	0.4	25	
4-Isopropyltoluene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.8	25	
4-Methyl-2-Pentanone	0.256	0.0500	mg/kg wet	0.2500		103	70-130	8	25	
Acetone	0.218	0.0500	mg/kg wet	0.2500		87	70-130	15	25	
Benzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Bromobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	0.2	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

Bromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
Bromodichloromethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Bromoform	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Bromomethane	0.0525	0.0100	mg/kg wet	0.05000		105	70-130	0.6	25	
Carbon Disulfide	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	0.6	25	
Carbon Tetrachloride	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
Chlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	0	25	
Chloroethane	0.0390	0.0100	mg/kg wet	0.05000		78	70-130	16	25	
Chloroform	0.0463	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Chloromethane	0.0401	0.0100	mg/kg wet	0.05000		80	70-130	6	25	
cis-1,2-Dichloroethene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
cis-1,3-Dichloropropene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Dibromochloromethane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Dibromomethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	4	25	
Dichlorodifluoromethane	0.0433	0.0100	mg/kg wet	0.05000		87	70-130	4	25	
Diethyl Ether	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Di-isopropyl ether	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Ethyl tertiary-butyl ether	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Ethylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	0.5	25	
Hexachlorobutadiene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	4	25	
Isopropylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	0.6	25	
Methyl tert-Butyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Methylene Chloride	0.0473	0.0250	mg/kg wet	0.05000		95	70-130	2	25	
Naphthalene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
n-Butylbenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
n-Propylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	0.4	25	
sec-Butylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	0.9	25	
Styrene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	0.6	25	
tert-Butylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	0.4	25	
Tertiary-amyl methyl ether	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
Tetrachloroethene	0.0418	0.0050	mg/kg wet	0.05000		84	70-130	0.1	25	
Tetrahydrofuran	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	7	25	
Toluene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
trans-1,2-Dichloroethene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
trans-1,3-Dichloropropene	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	3	25	
Trichloroethene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
Trichlorofluoromethane	0.0445	0.0050	mg/kg wet	0.05000		89	70-130	3	25	
Vinyl Acetate	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
Vinyl Chloride	0.0443	0.0100	mg/kg wet	0.05000		89	70-130	1	25	
Xylene O	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.5	25	
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130	0.3	25	
Surrogate: 1,2-Dichloroethane-d4	0.0420		mg/kg wet	0.05000		84	70-130			
Surrogate: 4-Bromofluorobenzene	0.0464		mg/kg wet	0.05000		93	70-130			
Surrogate: Dibromofluoromethane	0.0454		mg/kg wet	0.05000		91	70-130			
Surrogate: Toluene-d8	0.0495		mg/kg wet	0.05000		99	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CJ21719 - 3546

Blank

Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacotane (C30)	ND	0.2	mg/kg wet							

<i>Surrogate: O-Terphenyl</i>	4.39		mg/kg wet	5.000		88	40-140			
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LCS

Decane (C10)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		62	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Total Petroleum Hydrocarbons	31.2	37.5	mg/kg wet	35.00		89	40-140			
Triacotane (C30)	2.2	0.2	mg/kg wet	2.500		88	40-140			

<i>Surrogate: O-Terphenyl</i>	4.60		mg/kg wet	5.000		92	40-140			
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LCS Dup

Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140	0.7	50	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		90	40-140	2	50	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140	0.2	50	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	50	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		90	40-140	3	50	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140	0.7	50	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	1	50	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		63	30-140	2	50	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		90	40-140	3	50	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		86	40-140	0.8	50	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CJ21719 - 3546

Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		90	40-140	2	50	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140	0.3	50	
Total Petroleum Hydrocarbons	31.5	37.5	mg/kg wet	35.00		90	40-140	1	50	
Triacotane (C30)	2.2	0.2	mg/kg wet	2.500		90	40-140	3	50	

Surrogate: O-Terphenyl

4.59 mg/kg wet 5.000 92 40-140

8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

Blank

1,1-Biphenyl	ND	0.333	mg/kg wet
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet
1,2-Dichlorobenzene	ND	0.333	mg/kg wet
1,3-Dichlorobenzene	ND	0.333	mg/kg wet
1,4-Dichlorobenzene	ND	0.333	mg/kg wet
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet
2,4-Dichlorophenol	ND	0.333	mg/kg wet
2,4-Dimethylphenol	ND	0.333	mg/kg wet
2,4-Dinitrophenol	ND	1.67	mg/kg wet
2,4-Dinitrotoluene	ND	0.333	mg/kg wet
2,6-Dinitrotoluene	ND	0.333	mg/kg wet
2-Chloronaphthalene	ND	0.333	mg/kg wet
2-Chlorophenol	ND	0.333	mg/kg wet
2-Methylnaphthalene	ND	0.333	mg/kg wet
2-Methylphenol	ND	0.333	mg/kg wet
2-Nitroaniline	ND	0.333	mg/kg wet
2-Nitrophenol	ND	0.333	mg/kg wet
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet
3+4-Methylphenol	ND	0.667	mg/kg wet
3-Nitroaniline	ND	0.333	mg/kg wet
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet
4-Chloroaniline	ND	0.667	mg/kg wet
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet
4-Nitroaniline	ND	0.333	mg/kg wet
4-Nitrophenol	ND	1.67	mg/kg wet
Acenaphthene	ND	0.333	mg/kg wet
Acenaphthylene	ND	0.333	mg/kg wet
Acetophenone	ND	0.667	mg/kg wet
Aniline	ND	0.667	mg/kg wet
Anthracene	ND	0.333	mg/kg wet
Azobenzene	ND	0.333	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.30		mg/kg wet	3.333		69	30-130			
Surrogate: 2,4,6-Tribromophenol	4.29		mg/kg wet	5.000		86	30-130			
Surrogate: 2-Chlorophenol-d4	3.77		mg/kg wet	5.000		75	30-130			
Surrogate: 2-Fluorobiphenyl	2.46		mg/kg wet	3.333		74	30-130			
Surrogate: 2-Fluorophenol	3.51		mg/kg wet	5.000		70	30-130			
Surrogate: Nitrobenzene-d5	2.26		mg/kg wet	3.333		68	30-130			
Surrogate: Phenol-d6	3.57		mg/kg wet	5.000		71	30-130			
Surrogate: p-Terphenyl-d14	2.75		mg/kg wet	3.333		82	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

LCS

1,1-Biphenyl	2.56	0.333	mg/kg wet	3.333		77	40-140			
1,2,4-Trichlorobenzene	2.47	0.333	mg/kg wet	3.333		74	40-140			
1,2-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140			
1,3-Dichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140			
1,4-Dichlorobenzene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2,3,4,6-Tetrachlorophenol	2.87	1.67	mg/kg wet	3.333		86	30-130			
2,4,5-Trichlorophenol	2.89	0.333	mg/kg wet	3.333		87	30-130			
2,4,6-Trichlorophenol	2.72	0.333	mg/kg wet	3.333		81	30-130			
2,4-Dichlorophenol	2.59	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dimethylphenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.37	1.67	mg/kg wet	3.333		71	30-130			
2,4-Dinitrotoluene	2.90	0.333	mg/kg wet	3.333		87	40-140			
2,6-Dinitrotoluene	2.83	0.333	mg/kg wet	3.333		85	40-140			
2-Chloronaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140			
2-Chlorophenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2-Methylnaphthalene	2.48	0.333	mg/kg wet	3.333		74	40-140			
2-Methylphenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2-Nitroaniline	2.22	0.333	mg/kg wet	3.333		67	40-140			
2-Nitrophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
3,3'-Dichlorobenzidine	3.01	0.667	mg/kg wet	3.333		90	40-140			
3+4-Methylphenol	4.53	0.667	mg/kg wet	6.667		68	30-130			
3-Nitroaniline	2.63	0.333	mg/kg wet	3.333		79	40-140			
4,6-Dinitro-2-Methylphenol	2.76	1.67	mg/kg wet	3.333		83	30-130			
4-Bromophenyl-phenylether	2.77	0.333	mg/kg wet	3.333		83	40-140			
4-Chloro-3-Methylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130			
4-Chloroaniline	2.35	0.667	mg/kg wet	3.333		71	40-140			
4-Chloro-phenyl-phenyl ether	2.72	0.333	mg/kg wet	3.333		82	40-140			
4-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140			
4-Nitrophenol	2.85	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Acenaphthylene	2.52	0.333	mg/kg wet	3.333		75	40-140			
Acetophenone	2.29	0.667	mg/kg wet	3.333		69	40-140			
Aniline	2.02	0.667	mg/kg wet	3.333		61	40-140			
Anthracene	3.10	0.333	mg/kg wet	3.333		93	40-140			
Azobenzene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Benzo(a)anthracene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)pyrene	2.87	0.167	mg/kg wet	3.333		86	40-140			
Benzo(b)fluoranthene	3.16	0.333	mg/kg wet	3.333		95	40-140			
Benzo(g,h,i)perylene	3.07	0.333	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Benzoic Acid	2.63	1.67	mg/kg wet	3.333		79	40-140			
Benzyl Alcohol	2.23	0.333	mg/kg wet	3.333		67	40-140			
bis(2-Chloroethoxy)methane	2.27	0.333	mg/kg wet	3.333		68	40-140			
bis(2-Chloroethyl)ether	2.08	0.333	mg/kg wet	3.333		62	40-140			



CERTIFICATE OF ANALYSIS

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Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

bis(2-chloroisopropyl)Ether	2.14	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Ethylhexyl)phthalate	3.01	0.333	mg/kg wet	3.333		90	40-140			
Butylbenzylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140			
Carbazole	2.84	0.333	mg/kg wet	3.333		85	40-140			
Chrysene	2.94	0.167	mg/kg wet	3.333		88	40-140			
Dibenzo(a,h)Anthracene	3.25	0.167	mg/kg wet	3.333		97	40-140			
Dibenzofuran	2.63	0.333	mg/kg wet	3.333		79	40-140			
Diethylphthalate	2.77	0.333	mg/kg wet	3.333		83	40-140			
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-butylphthalate	3.05	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	3.58	0.333	mg/kg wet	3.333		107	40-140			
Fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Hexachlorobenzene	2.69	0.167	mg/kg wet	3.333		81	40-140			
Hexachlorobutadiene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Hexachlorocyclopentadiene	2.24	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	2.09	0.333	mg/kg wet	3.333		63	40-140			
Indeno(1,2,3-cd)Pyrene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Isophorone	2.31	0.333	mg/kg wet	3.333		69	40-140			
Naphthalene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Nitrobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140			
N-Nitrosodimethylamine	1.94	0.333	mg/kg wet	3.333		58	40-140			
N-Nitroso-Di-n-Propylamine	2.11	0.333	mg/kg wet	3.333		63	40-140			
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		85	40-140			
Pentachlorophenol	2.47	1.67	mg/kg wet	3.333		74	30-130			
Phenanthrene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Phenol	2.20	0.333	mg/kg wet	3.333		66	30-130			
Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140			
Pyridine	1.74	1.67	mg/kg wet	3.333		52	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	2.32		mg/kg wet	3.333		70	30-130			
Surrogate: 2,4,6-Tribromophenol	3.03		mg/kg wet	5.000		61	30-130			
Surrogate: 2-Chlorophenol-d4	2.35		mg/kg wet	5.000		47	30-130			
Surrogate: 2-Fluorobiphenyl	2.62		mg/kg wet	3.333		79	30-130			
Surrogate: 2-Fluorophenol	2.15		mg/kg wet	5.000		43	30-130			
Surrogate: Nitrobenzene-d5	2.37		mg/kg wet	3.333		71	30-130			
Surrogate: Phenol-d6	2.20		mg/kg wet	5.000		44	30-130			
Surrogate: p-Terphenyl-d14	2.98		mg/kg wet	3.333		89	30-130			

LCS Dup

1,1-Biphenyl	2.50	0.333	mg/kg wet	3.333		75	40-140	2	30	
1,2,4-Trichlorobenzene	2.38	0.333	mg/kg wet	3.333		71	40-140	4	30	
1,2-Dichlorobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140	4	30	
1,3-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140	2	30	
1,4-Dichlorobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140	7	30	
2,3,4,6-Tetrachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	1	30	
2,4,5-Trichlorophenol	2.83	0.333	mg/kg wet	3.333		85	30-130	2	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

2,4,6-Trichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	3	30	
2,4-Dichlorophenol	2.54	0.333	mg/kg wet	3.333		76	30-130	2	30	
2,4-Dimethylphenol	2.48	0.333	mg/kg wet	3.333		74	30-130	2	30	
2,4-Dinitrophenol	2.42	1.67	mg/kg wet	3.333		73	30-130	2	30	
2,4-Dinitrotoluene	2.95	0.333	mg/kg wet	3.333		89	40-140	2	30	
2,6-Dinitrotoluene	2.83	0.333	mg/kg wet	3.333		85	40-140	0.01	30	
2-Chloronaphthalene	2.27	0.333	mg/kg wet	3.333		68	40-140	2	30	
2-Chlorophenol	2.22	0.333	mg/kg wet	3.333		67	30-130	3	30	
2-Methylnaphthalene	2.38	0.333	mg/kg wet	3.333		71	40-140	4	30	
2-Methylphenol	2.22	0.333	mg/kg wet	3.333		67	30-130	3	30	
2-Nitroaniline	2.22	0.333	mg/kg wet	3.333		66	40-140	0.3	30	
2-Nitrophenol	2.43	0.333	mg/kg wet	3.333		73	30-130	3	30	
3,3'-Dichlorobenzidine	3.04	0.667	mg/kg wet	3.333		91	40-140	0.8	30	
3+4-Methylphenol	4.36	0.667	mg/kg wet	6.667		65	30-130	4	30	
3-Nitroaniline	2.64	0.333	mg/kg wet	3.333		79	40-140	0.6	30	
4,6-Dinitro-2-Methylphenol	2.82	1.67	mg/kg wet	3.333		85	30-130	2	30	
4-Bromophenyl-phenylether	2.71	0.333	mg/kg wet	3.333		81	40-140	2	30	
4-Chloro-3-Methylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130	3	30	
4-Chloroaniline	2.28	0.667	mg/kg wet	3.333		68	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.61	0.333	mg/kg wet	3.333		78	40-140	4	30	
4-Nitroaniline	2.87	0.333	mg/kg wet	3.333		86	40-140	2	30	
4-Nitrophenol	2.90	1.67	mg/kg wet	3.333		87	30-130	2	30	
Acenaphthene	2.64	0.333	mg/kg wet	3.333		79	40-140	4	30	
Acenaphthylene	2.43	0.333	mg/kg wet	3.333		73	40-140	4	30	
Acetophenone	2.17	0.667	mg/kg wet	3.333		65	40-140	5	30	
Aniline	2.02	0.667	mg/kg wet	3.333		61	40-140	0.1	30	
Anthracene	3.06	0.333	mg/kg wet	3.333		92	40-140	1	30	
Azobenzene	2.52	0.333	mg/kg wet	3.333		76	40-140	2	30	
Benzo(a)anthracene	3.05	0.333	mg/kg wet	3.333		91	40-140	2	30	
Benzo(a)pyrene	2.94	0.167	mg/kg wet	3.333		88	40-140	2	30	
Benzo(b)fluoranthene	3.06	0.333	mg/kg wet	3.333		92	40-140	3	30	
Benzo(g,h,i)perylene	3.07	0.333	mg/kg wet	3.333		92	40-140	0.2	30	
Benzo(k)fluoranthene	3.31	0.333	mg/kg wet	3.333		99	40-140	10	30	
Benzoic Acid	2.58	1.67	mg/kg wet	3.333		77	40-140	2	30	
Benzyl Alcohol	2.15	0.333	mg/kg wet	3.333		64	40-140	4	30	
bis(2-Chloroethoxy)methane	2.24	0.333	mg/kg wet	3.333		67	40-140	1	30	
bis(2-Chloroethyl)ether	1.99	0.333	mg/kg wet	3.333		60	40-140	4	30	
bis(2-chloroisopropyl)Ether	2.06	0.333	mg/kg wet	3.333		62	40-140	4	30	
bis(2-Ethylhexyl)phthalate	3.08	0.333	mg/kg wet	3.333		93	40-140	2	30	
Butylbenzylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140	3	30	
Carbazole	2.87	0.333	mg/kg wet	3.333		86	40-140	0.9	30	
Chrysene	3.04	0.167	mg/kg wet	3.333		91	40-140	3	30	
Dibenzo(a,h)Anthracene	3.24	0.167	mg/kg wet	3.333		97	40-140	0.3	30	
Dibenzofuran	2.52	0.333	mg/kg wet	3.333		76	40-140	4	30	
Diethylphthalate	2.77	0.333	mg/kg wet	3.333		83	40-140	0.2	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

Dimethylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140	2	30	
Di-n-butylphthalate	3.11	0.333	mg/kg wet	3.333		93	40-140	2	30	
Di-n-octylphthalate	3.59	0.333	mg/kg wet	3.333		108	40-140	0.3	30	
Fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140	2	30	
Fluorene	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Hexachlorobenzene	2.76	0.167	mg/kg wet	3.333		83	40-140	2	30	
Hexachlorobutadiene	2.42	0.333	mg/kg wet	3.333		73	40-140	3	30	
Hexachlorocyclopentadiene	2.17	1.67	mg/kg wet	3.333		65	40-140	3	30	
Hexachloroethane	1.98	0.333	mg/kg wet	3.333		59	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140	0.4	30	
Isophorone	2.24	0.333	mg/kg wet	3.333		67	40-140	3	30	
Naphthalene	2.39	0.333	mg/kg wet	3.333		72	40-140	2	30	
Nitrobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	4	30	
N-Nitrosodimethylamine	1.88	0.333	mg/kg wet	3.333		57	40-140	3	30	
N-Nitroso-Di-n-Propylamine	2.01	0.333	mg/kg wet	3.333		60	40-140	5	30	
N-nitrosodiphenylamine	2.85	0.333	mg/kg wet	3.333		86	40-140	1	30	
Pentachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	3	30	
Phenanthrene	3.00	0.333	mg/kg wet	3.333		90	40-140	0.5	30	
Phenol	2.20	0.333	mg/kg wet	3.333		66	30-130	0.09	30	
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140	3	30	
Pyridine	1.69	1.67	mg/kg wet	3.333		51	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	2.21		mg/kg wet	3.333		66	30-130			
Surrogate: 2,4,6-Tribromophenol	3.02		mg/kg wet	5.000		60	30-130			
Surrogate: 2-Chlorophenol-d4	2.29		mg/kg wet	5.000		46	30-130			
Surrogate: 2-Fluorobiphenyl	2.58		mg/kg wet	3.333		77	30-130			
Surrogate: 2-Fluorophenol	2.08		mg/kg wet	5.000		42	30-130			
Surrogate: Nitrobenzene-d5	2.24		mg/kg wet	3.333		67	30-130			
Surrogate: Phenol-d6	2.22		mg/kg wet	5.000		44	30-130			
Surrogate: p-Terphenyl-d14	3.05		mg/kg wet	3.333		91	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Notes and Definitions

- U Analyte included in the analysis, but not detected
- Q Calibration required quadratic regression (Q).
- D Diluted.
- C+ Continuing Calibration recovery is above upper control limit (C+).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/nameSearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>



Sample and Cooler Receipt Checklist

Client: Thielsch Engineering, Inc.
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100249
Date Project Due: 10/18/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|--|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> * Yes |
| <u>Cooler Temp: 3.7</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <u>Iced With: Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: <u>01+02</u> | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: <u>Sieve analysis</u> | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: <u>CTS</u> | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: <u>std</u> | |

18. Was there need to call project manager to discuss status? If yes, please explain.
Low levels Aaron 10/11/12 @ ISOWK

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	1	MeOH
1	Yes	40 ml - VOA	2	other
1	Yes	8 oz Soil Jar	3	NP
1	Yes	Plastic Bag	1	NP
2	Yes	40 ml - VOA	1	MeOH
2	Yes	40 ml - VOA	2	other
2	Yes	8 oz Soil Jar	3	NP
2	Yes	Plastic Bag	1	NP

Completed By: OK Date/Time: 10/11/12
Reviewed By: WRB Date/Time: 10/11/12

ESS Laboratory

Division of Thielsch Engineering, Inc.
 106 South Street, Hopkinton, MA 01748
 Tel. (508) 435-9244 Fax (508) 435-9912
 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # **1210249**

Reporting Limits - _____

Electronic Deliverables Excel Access PDF

Turn Time Standard Other _____

Regulatory State: MA RI CT NH NJ NY ME Other _____

Is this project for any of the following: (please circle)
 MA-MCP Navy USACE CT DEP Other _____

Co. Name **E.T. & L. CORP.**

Contact Person **JAY / MATT POLSKY**

Address **873 GREAT ROAD**

Tel. **978-897-4353**

Project # **CTS-74-12-0003.13J**

Project Name **TEXTRON SITE**

Proj. Location **PROVIDENCE R.I.**

City, State **STON, MA**

Zip **01775**

Fax **978-897-0779**

email: _____

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis	VOC	SVOC	TPH	RB METALS	SIEVE ANALYSIS	ORG. CONTENT	PH
01	10-11-12	1:PM	G	S	1500-2000^{COVER} SOIL		6	G			X	X	X	X	X		
02	10-11-12	10:00 AM	G	S	INFIELD MIX		6	G			X	X	X	X	X		

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present Yes ___ No ___ Internal Use Only

Seals Intact ___ Yes ___ No NA: [] Pickup

Cooler Temperature: **3.7°C** [] Technician ___

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-___

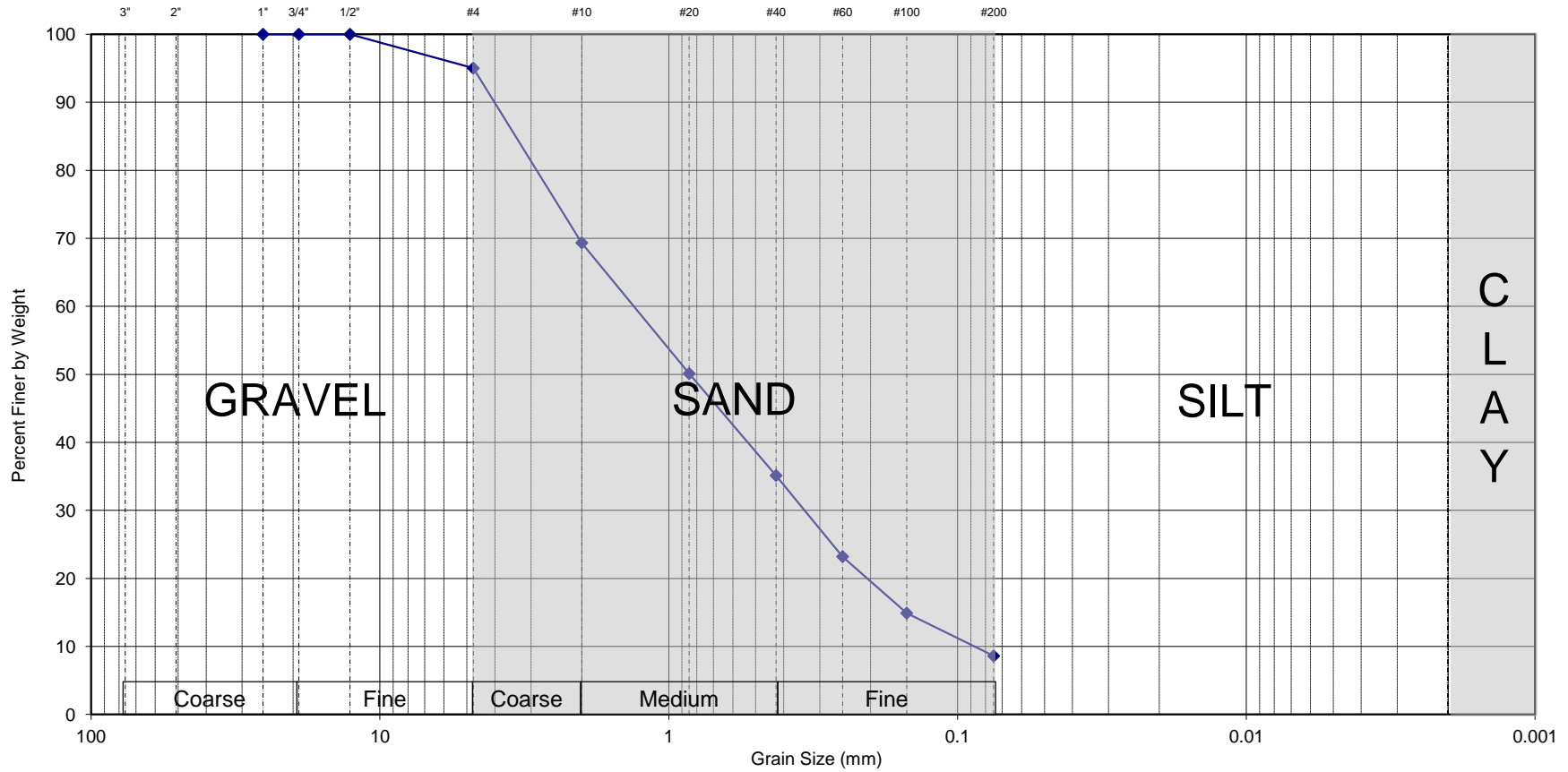
Sampled by: **JON DI GREGORIO**

Comments: **QUESTIONS TO MATT POLSKY**

Relinquished by: (Signature, Date & Time) **[Signature] 10/11/12**

Received by: (Signature, Date & Time) **[Signature] 10/11/12 1347**

U.S. STANDARD SIEVE AND HYDROMETER



Gravel
5.0%

Sand
86.4%

Fines
8.6%

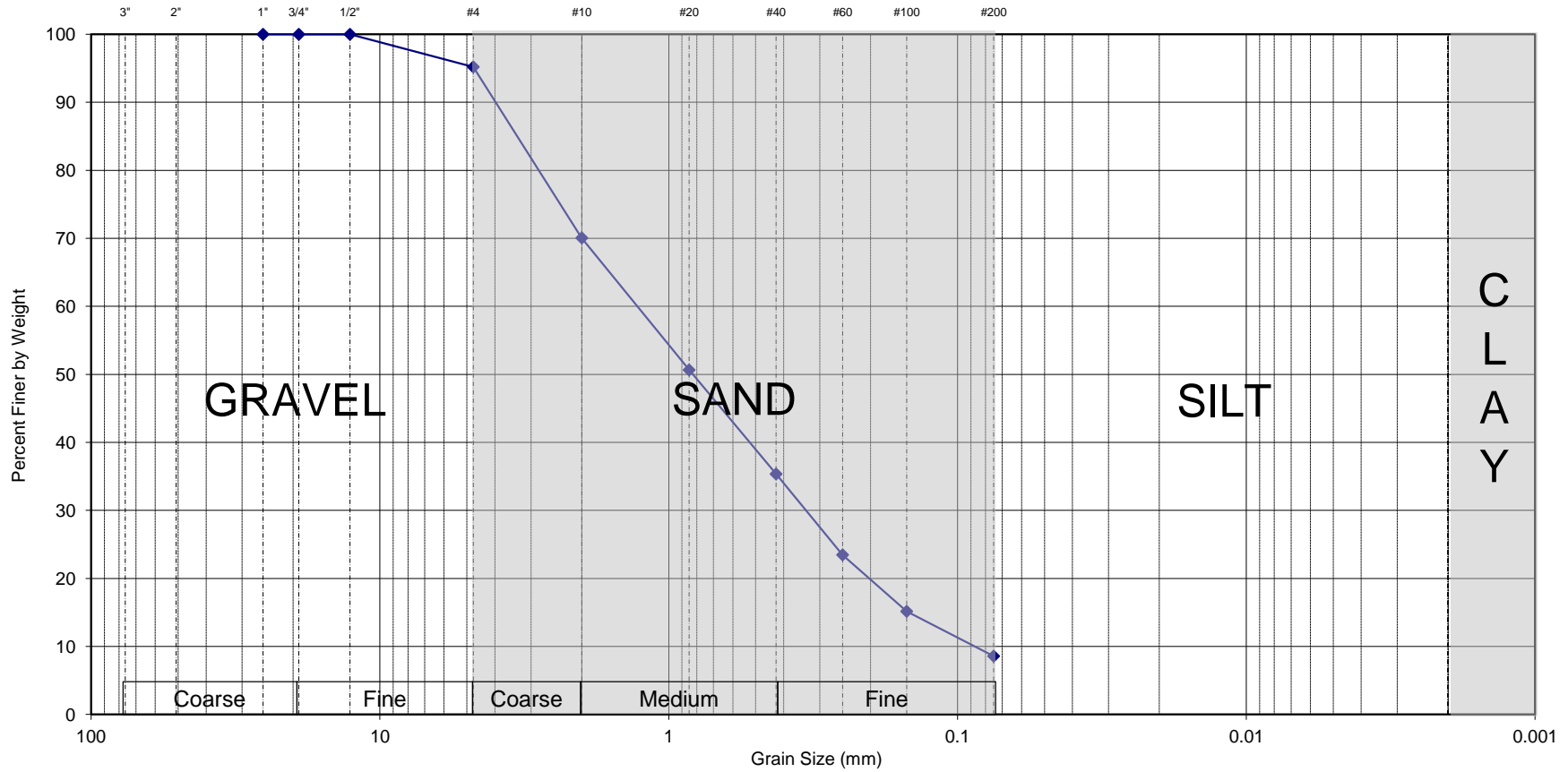
Lab #	Material	Yardage	Sample Date	Description	WC	LL	PL	PI
362	Cover Soil	500 -1000 cy	10/5/12	Gray-brown Well-graded Sand with Silt (SW-SM)				

Sieve Size	% Passing
3/4"	100.0
1/2"	100.0
#4	95.0
#10	69.3
#20	50.1
#40	35.1
#60	23.2
#100	14.9
#200	8.6



Textron Site
 Providence, RI
 Thielsch CTS File # 74-12-0003.13J
 Tested by: GG Date: 10/6/12
 Reviewed by: MBP Date: 10/9/12

U.S. STANDARD SIEVE AND HYDROMETER



Gravel
4.8%

Sand
86.6%

Fines
8.6%

Lab #	Material	Yardage	Sample Date	Description	WC	LL	PL	PI
363	Cover Soil	1000 -1500 cy	10/5/12	Gray-brown Well-graded Sand with Silt (SW-SM)				

Sieve Size	% Passing
3/4"	100.0
1/2"	100.0
#4	95.2
#10	70.1
#20	50.7
#40	35.4
#60	23.5
#100	15.2
#200	8.6



Textron Site
 Providence, RI
 Thielsch CTS File # 74-12-0003.13J
 Tested by: GG Date: 10/6/12
 Reviewed by: MBP Date: 10/9/12



CERTIFICATE OF ANALYSIS

Matt Polsky
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910

RE: ET and L Corp (CTS-74-12-0003.13J)
ESS Laboratory Work Order Number: 1210160

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 3:47 pm, Oct 15, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

SAMPLE RECEIPT

The following samples were received on October 05, 2012 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1210160-01	500-1000	Solid	6010B, 7471A, 8100M, 8260B Low, 8270C
1210160-02	1000-1500	Solid	6010B, 7471A, 8100M, 8260B Low, 8270C



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

CJ20939-BS1 [Blank Spike recovery is below lower control limit \(B-\).](#)
Cadmium (76% @ 80-120%), Selenium (79% @ 80-120%)

5035/8260B Volatile Organic Compounds / Low Level

CJ20925-BS1 [Blank Spike recovery is above upper control limit \(B+\).](#)
Acetone (147% @ 70-130%), Diethyl Ether (150% @ 70-130%)

CJ20925-BSD1 [Blank Spike recovery is below lower control limit \(B-\).](#)
Methylene Chloride (64% @ 70-130%)

CJ20925-BSD1 [Relative percent difference for duplicate is outside of criteria \(D+\).](#)
1,1-Dichloroethene (34%), Acetone (52%), Carbon Disulfide (46%), Diethyl Ether (46%), Methylene Chloride (45%)

CJ21030-BSD1 [Blank Spike recovery is below lower control limit \(B-\).](#)
Chloromethane (67% @ 70-130%)

CVJ0079-CCV1 [Continuing Calibration recovery is below lower control limit \(C-\).](#)
Methylene Chloride (62% @ 70-130%), Tetrahydrofuran (65% @ 70-130%)

CVJ0103-CCV1 [Continuing Calibration recovery is below lower control limit \(C-\).](#)
Tetrahydrofuran (66% @ 70-130%)

8100M Total Petroleum Hydrocarbons

CVJ0088-CCV2 [Continuing Calibration recovery is above upper control limit \(C+\).](#)
Total Petroleum Hydrocarbons (124% @ 80-120%)

8270C Semi-Volatile Organic Compounds

CVJ0082-CCV1 [Calibration required quadratic regression \(Q\).](#)
2,4-Dinitrophenol (103% @ 70-130%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 500-1000
Date Sampled: 10/05/12 13:30
Percent Solids: 97

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-01
Sample Matrix: Solid
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	4.7 (2.5)	6010B		1	JP	10/10/12 21:45	2.08	100	CJ20939
Barium	16.8 (2.5)	6010B		1	JP	10/10/12 21:45	2.08	100	CJ20939
Cadmium	ND (0.50)	6010B		1	JP	10/10/12 21:45	2.08	100	CJ20939
Chromium	ND (1.0)	6010B		1	JP	10/10/12 21:45	2.08	100	CJ20939
Lead	ND (5.0)	6010B		1	JP	10/10/12 21:45	2.08	100	CJ20939
Mercury	ND (0.030)	7471A		1	JP	10/11/12 16:19	0.68	40	CJ20933
Selenium	ND (5.0)	6010B		1	JP	10/10/12 21:45	2.08	100	CJ20939
Silver	ND (0.50)	6010B		1	JP	10/10/12 21:45	2.08	100	CJ20939



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 500-1000
Date Sampled: 10/05/12 13:30
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,1,1-Trichloroethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,1,2,2-Tetrachloroethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,1,2-Trichloroethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,1-Dichloroethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,1-Dichloroethene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,1-Dichloropropene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2,3-Trichlorobenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2,3-Trichloropropane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2,4-Trichlorobenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2,4-Trimethylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2-Dibromo-3-Chloropropane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2-Dibromoethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2-Dichlorobenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2-Dichloroethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,2-Dichloropropane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,3,5-Trimethylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,3-Dichlorobenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,3-Dichloropropane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,4-Dichlorobenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
1,4-Dioxane	ND (0.0973)		1	10/10/12 15:21	CVJ0103	CJ21030
1-Chlorohexane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
2,2-Dichloropropane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
2-Butanone	ND (0.0486)		1	10/10/12 15:21	CVJ0103	CJ21030
2-Chlorotoluene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
2-Hexanone	ND (0.0486)		1	10/10/12 15:21	CVJ0103	CJ21030
4-Chlorotoluene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
4-Isopropyltoluene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
4-Methyl-2-Pentanone	ND (0.0486)		1	10/10/12 15:21	CVJ0103	CJ21030
Acetone	ND (0.0486)		1	10/10/12 15:21	CVJ0103	CJ21030
Benzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 500-1000
Date Sampled: 10/05/12 13:30
Percent Solids: 97
Initial Volume: 5.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Bromochloromethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Bromodichloromethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Bromoform	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Bromomethane	ND (0.0097)		1	10/10/12 15:21	CVJ0103	CJ21030
Carbon Disulfide	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Carbon Tetrachloride	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Chlorobenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Chloroethane	ND (0.0097)		1	10/10/12 15:21	CVJ0103	CJ21030
Chloroform	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Chloromethane	ND (0.0097)		1	10/10/12 15:21	CVJ0103	CJ21030
cis-1,2-Dichloroethene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
cis-1,3-Dichloropropene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Dibromochloromethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Dibromomethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Dichlorodifluoromethane	ND (0.0097)		1	10/10/12 15:21	CVJ0103	CJ21030
Diethyl Ether	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Di-isopropyl ether	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Ethyl tertiary-butyl ether	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Ethylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Hexachlorobutadiene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Isopropylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Methyl tert-Butyl Ether	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Methylene Chloride	ND (0.0243)		1	10/10/12 15:21	CVJ0103	CJ21030
Naphthalene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
n-Butylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
n-Propylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
sec-Butylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Styrene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
tert-Butylbenzene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Tertiary-amyl methyl ether	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 500-1000
 Date Sampled: 10/05/12 13:30
 Percent Solids: 97
 Initial Volume: 5.3
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1210160
 ESS Laboratory Sample ID: 1210160-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrachloroethene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Tetrahydrofuran	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Toluene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
trans-1,2-Dichloroethene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
trans-1,3-Dichloropropene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Trichloroethene	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Trichlorofluoromethane	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Vinyl Acetate	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Vinyl Chloride	ND (0.0097)		1	10/10/12 15:21	CVJ0103	CJ21030
Xylene O	ND (0.0049)		1	10/10/12 15:21	CVJ0103	CJ21030
Xylene P,M	ND (0.0097)		1	10/10/12 15:21	CVJ0103	CJ21030
Xylenes (Total)	ND (0.0146)		1	10/10/12 15:21		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>110 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>92 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>107 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>87 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 500-1000
Date Sampled: 10/05/12 13:30
Percent Solids: 97
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: ML
Prepared: 10/9/12 14:55

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	ND (38.5)		1	10/10/12 17:44	CVJ0088	CJ20906
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	<i>95 %</i>		<i>40-140</i>			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 500-1000
Date Sampled: 10/05/12 13:30
Percent Solids: 97
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 10/9/12 12:45

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
1,2,4-Trichlorobenzene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
1,2-Dichlorobenzene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
1,3-Dichlorobenzene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
1,4-Dichlorobenzene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2,3,4,6-Tetrachlorophenol	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907
2,4,5-Trichlorophenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2,4,6-Trichlorophenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2,4-Dichlorophenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2,4-Dimethylphenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2,4-Dinitrophenol	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907
2,4-Dinitrotoluene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2,6-Dinitrotoluene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2-Chloronaphthalene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2-Chlorophenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2-Methylnaphthalene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2-Methylphenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2-Nitroaniline	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
2-Nitrophenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
3,3'-Dichlorobenzidine	ND (0.702)		1	10/09/12 22:01	CVJ0082	CJ20907
3+4-Methylphenol	ND (0.702)		1	10/09/12 22:01	CVJ0082	CJ20907
3-Nitroaniline	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
4,6-Dinitro-2-Methylphenol	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907
4-Bromophenyl-phenylether	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
4-Chloro-3-Methylphenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
4-Chloroaniline	ND (0.702)		1	10/09/12 22:01	CVJ0082	CJ20907
4-Chloro-phenyl-phenyl ether	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
4-Nitroaniline	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
4-Nitrophenol	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907
Acenaphthene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Acenaphthylene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 500-1000
 Date Sampled: 10/05/12 13:30
 Percent Solids: 97
 Initial Volume: 14.7
 Final Volume: 0.5
 Extraction Method: 3546

ESS Laboratory Work Order: 1210160
 ESS Laboratory Sample ID: 1210160-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: IBM
 Prepared: 10/9/12 12:45

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.702)		1	10/09/12 22:01	CVJ0082	CJ20907
Aniline	ND (0.702)		1	10/09/12 22:01	CVJ0082	CJ20907
Anthracene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Azobenzene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Benzo(a)anthracene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Benzo(a)pyrene	ND (0.176)		1	10/09/12 22:01	CVJ0082	CJ20907
Benzo(b)fluoranthene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Benzo(g,h,i)perylene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Benzo(k)fluoranthene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Benzoic Acid	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907
Benzyl Alcohol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
bis(2-Chloroethoxy)methane	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
bis(2-Chloroethyl)ether	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
bis(2-chloroisopropyl)Ether	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
bis(2-Ethylhexyl)phthalate	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Butylbenzylphthalate	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Carbazole	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Chrysene	ND (0.176)		1	10/09/12 22:01	CVJ0082	CJ20907
Dibenzo(a,h)Anthracene	ND (0.176)		1	10/09/12 22:01	CVJ0082	CJ20907
Dibenzofuran	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Diethylphthalate	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Dimethylphthalate	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Di-n-butylphthalate	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Di-n-octylphthalate	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Fluoranthene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Fluorene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Hexachlorobenzene	ND (0.176)		1	10/09/12 22:01	CVJ0082	CJ20907
Hexachlorobutadiene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Hexachlorocyclopentadiene	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907
Hexachloroethane	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Indeno(1,2,3-cd)Pyrene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 500-1000
Date Sampled: 10/05/12 13:30
Percent Solids: 97
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 10/9/12 12:45

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Naphthalene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Nitrobenzene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
N-Nitrosodimethylamine	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
N-Nitroso-Di-n-Propylamine	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
N-nitrosodiphenylamine	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Pentachlorophenol	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907
Phenanthrene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Phenol	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Pyrene	ND (0.350)		1	10/09/12 22:01	CVJ0082	CJ20907
Pyridine	ND (1.76)		1	10/09/12 22:01	CVJ0082	CJ20907

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	74 %		30-130
<i>Surrogate: 2,4,6-Tribromophenol</i>	80 %		30-130
<i>Surrogate: 2-Chlorophenol-d4</i>	71 %		30-130
<i>Surrogate: 2-Fluorobiphenyl</i>	72 %		30-130
<i>Surrogate: 2-Fluorophenol</i>	67 %		30-130
<i>Surrogate: Nitrobenzene-d5</i>	67 %		30-130
<i>Surrogate: Phenol-d6</i>	69 %		30-130
<i>Surrogate: p-Terphenyl-d14</i>	95 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1000-1500
Date Sampled: 10/05/12 13:35
Percent Solids: 98

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-02
Sample Matrix: Solid
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	4.4 (2.3)	6010B		1	JP	10/10/12 21:50	2.24	100	CJ20939
Barium	16.4 (2.3)	6010B		1	JP	10/10/12 21:50	2.24	100	CJ20939
Cadmium	ND (0.46)	6010B		1	JP	10/10/12 21:50	2.24	100	CJ20939
Chromium	ND (0.9)	6010B		1	JP	10/10/12 21:50	2.24	100	CJ20939
Lead	ND (4.6)	6010B		1	JP	10/10/12 21:50	2.24	100	CJ20939
Mercury	ND (0.032)	7471A		1	JP	10/11/12 16:27	0.64	40	CJ20933
Selenium	ND (4.6)	6010B		1	JP	10/10/12 21:50	2.24	100	CJ20939
Silver	ND (0.46)	6010B		1	JP	10/10/12 21:50	2.24	100	CJ20939



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 1000-1500
 Date Sampled: 10/05/12 13:35
 Percent Solids: 98
 Initial Volume: 5.6
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1210160
 ESS Laboratory Sample ID: 1210160-02
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,1,1-Trichloroethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,1,2,2-Tetrachloroethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,1,2-Trichloroethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,1-Dichloroethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,1-Dichloroethene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,1-Dichloropropene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2,3-Trichlorobenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2,3-Trichloropropane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2,4-Trichlorobenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2,4-Trimethylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2-Dibromo-3-Chloropropane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2-Dibromoethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2-Dichlorobenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2-Dichloroethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,2-Dichloropropane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,3,5-Trimethylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,3-Dichlorobenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,3-Dichloropropane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,4-Dichlorobenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
1,4-Dioxane	ND (0.0911)		1	10/09/12 20:49	CVJ0079	CJ20925
1-Chlorohexane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
2,2-Dichloropropane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
2-Butanone	ND (0.0456)		1	10/09/12 20:49	CVJ0079	CJ20925
2-Chlorotoluene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
2-Hexanone	ND (0.0456)		1	10/09/12 20:49	CVJ0079	CJ20925
4-Chlorotoluene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
4-Isopropyltoluene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
4-Methyl-2-Pentanone	ND (0.0456)		1	10/09/12 20:49	CVJ0079	CJ20925
Acetone	ND (0.0456)		1	10/09/12 20:49	CVJ0079	CJ20925
Benzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: 1000-1500
 Date Sampled: 10/05/12 13:35
 Percent Solids: 98
 Initial Volume: 5.6
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1210160
 ESS Laboratory Sample ID: 1210160-02
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Bromochloromethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Bromodichloromethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Bromoform	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Bromomethane	ND (0.0091)		1	10/09/12 20:49	CVJ0079	CJ20925
Carbon Disulfide	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Carbon Tetrachloride	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Chlorobenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Chloroethane	ND (0.0091)		1	10/09/12 20:49	CVJ0079	CJ20925
Chloroform	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Chloromethane	ND (0.0091)		1	10/09/12 20:49	CVJ0079	CJ20925
cis-1,2-Dichloroethene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
cis-1,3-Dichloropropene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Dibromochloromethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Dibromomethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Dichlorodifluoromethane	ND (0.0091)		1	10/09/12 20:49	CVJ0079	CJ20925
Diethyl Ether	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Di-isopropyl ether	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Ethyl tertiary-butyl ether	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Ethylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Hexachlorobutadiene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Isopropylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Methyl tert-Butyl Ether	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Methylene Chloride	ND (0.0228)		1	10/09/12 20:49	CVJ0079	CJ20925
Naphthalene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
n-Butylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
n-Propylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
sec-Butylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Styrene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
tert-Butylbenzene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Tertiary-amyl methyl ether	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1000-1500
Date Sampled: 10/05/12 13:35
Percent Solids: 98
Initial Volume: 5.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-02
Sample Matrix: Solid
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrachloroethene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Tetrahydrofuran	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Toluene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
trans-1,2-Dichloroethene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
trans-1,3-Dichloropropene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Trichloroethene	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Trichlorofluoromethane	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Vinyl Acetate	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Vinyl Chloride	ND (0.0091)		1	10/09/12 20:49	CVJ0079	CJ20925
Xylene O	ND (0.0046)		1	10/09/12 20:49	CVJ0079	CJ20925
Xylene P,M	ND (0.0091)		1	10/09/12 20:49	CVJ0079	CJ20925
Xylenes (Total)	ND (0.0137)		1	10/09/12 20:49		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>86 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>95 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>82 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>91 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1000-1500
Date Sampled: 10/05/12 13:35
Percent Solids: 98
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-02
Sample Matrix: Solid
Units: mg/kg dry
Analyst: ML
Prepared: 10/9/12 14:55

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	ND (39.0)		1	10/10/12 18:28	CVJ0088	CJ20906
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	<i>93 %</i>		<i>40-140</i>			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1000-1500
Date Sampled: 10/05/12 13:35
Percent Solids: 98
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-02
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 10/9/12 12:45

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
1,2,4-Trichlorobenzene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
1,2-Dichlorobenzene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
1,3-Dichlorobenzene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
1,4-Dichlorobenzene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2,3,4,6-Tetrachlorophenol	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907
2,4,5-Trichlorophenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2,4,6-Trichlorophenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2,4-Dichlorophenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2,4-Dimethylphenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2,4-Dinitrophenol	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907
2,4-Dinitrotoluene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2,6-Dinitrotoluene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2-Chloronaphthalene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2-Chlorophenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2-Methylnaphthalene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2-Methylphenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2-Nitroaniline	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
2-Nitrophenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
3,3'-Dichlorobenzidine	ND (0.676)		1	10/09/12 22:34	CVJ0082	CJ20907
3+4-Methylphenol	ND (0.676)		1	10/09/12 22:34	CVJ0082	CJ20907
3-Nitroaniline	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
4,6-Dinitro-2-Methylphenol	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907
4-Bromophenyl-phenylether	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
4-Chloro-3-Methylphenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
4-Chloroaniline	ND (0.676)		1	10/09/12 22:34	CVJ0082	CJ20907
4-Chloro-phenyl-phenyl ether	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
4-Nitroaniline	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
4-Nitrophenol	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907
Acenaphthene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Acenaphthylene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1000-1500
Date Sampled: 10/05/12 13:35
Percent Solids: 98
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-02
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 10/9/12 12:45

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.676)		1	10/09/12 22:34	CVJ0082	CJ20907
Aniline	ND (0.676)		1	10/09/12 22:34	CVJ0082	CJ20907
Anthracene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Azobenzene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Benzo(a)anthracene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Benzo(a)pyrene	ND (0.169)		1	10/09/12 22:34	CVJ0082	CJ20907
Benzo(b)fluoranthene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Benzo(g,h,i)perylene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Benzo(k)fluoranthene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Benzoic Acid	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907
Benzyl Alcohol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
bis(2-Chloroethoxy)methane	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
bis(2-Chloroethyl)ether	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
bis(2-chloroisopropyl)Ether	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
bis(2-Ethylhexyl)phthalate	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Butylbenzylphthalate	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Carbazole	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Chrysene	ND (0.169)		1	10/09/12 22:34	CVJ0082	CJ20907
Dibenzo(a,h)Anthracene	ND (0.169)		1	10/09/12 22:34	CVJ0082	CJ20907
Dibenzofuran	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Diethylphthalate	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Dimethylphthalate	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Di-n-butylphthalate	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Di-n-octylphthalate	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Fluoranthene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Fluorene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Hexachlorobenzene	ND (0.169)		1	10/09/12 22:34	CVJ0082	CJ20907
Hexachlorobutadiene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Hexachlorocyclopentadiene	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907
Hexachloroethane	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Indeno(1,2,3-cd)Pyrene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: 1000-1500
Date Sampled: 10/05/12 13:35
Percent Solids: 98
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210160
ESS Laboratory Sample ID: 1210160-02
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 10/9/12 12:45

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Naphthalene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Nitrobenzene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
N-Nitrosodimethylamine	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
N-Nitroso-Di-n-Propylamine	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
N-nitrosodiphenylamine	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Pentachlorophenol	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907
Phenanthrene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Phenol	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Pyrene	ND (0.338)		1	10/09/12 22:34	CVJ0082	CJ20907
Pyridine	ND (1.69)		1	10/09/12 22:34	CVJ0082	CJ20907

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>67 %</i>		<i>30-130</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>80 %</i>		<i>30-130</i>
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>65 %</i>		<i>30-130</i>
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>67 %</i>		<i>30-130</i>
<i>Surrogate: 2-Fluorophenol</i>	<i>62 %</i>		<i>30-130</i>
<i>Surrogate: Nitrobenzene-d5</i>	<i>60 %</i>		<i>30-130</i>
<i>Surrogate: Phenol-d6</i>	<i>63 %</i>		<i>30-130</i>
<i>Surrogate: p-Terphenyl-d14</i>	<i>99 %</i>		<i>30-130</i>



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CJ20933 - 7471A

Blank

Mercury	ND	0.033	mg/kg wet							
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LCS

Mercury	27.3	2.96	mg/kg wet	25.10		109	80-120			
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LCS Dup

Mercury	27.8	2.91	mg/kg wet	25.10		111	80-120	2	20	
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Batch CJ20939 - 3050B

Blank

Arsenic	ND	2.5	mg/kg wet							
Barium	ND	2.5	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.0	mg/kg wet							
Lead	ND	5.0	mg/kg wet							
Selenium	ND	5.0	mg/kg wet							
Silver	ND	0.50	mg/kg wet							

LCS

Arsenic	138	8.8	mg/kg wet	168.0		82	80-120			
Barium	175	8.8	mg/kg wet	213.0		82	80-120			
Cadmium	78.1	1.76	mg/kg wet	103.0		76	80-120			B-
Chromium	98.5	3.5	mg/kg wet	119.0		83	80-120			
Lead	72.4	17.6	mg/kg wet	76.90		94	80-120			
Selenium	99.5	17.6	mg/kg wet	126.0		79	80-120			B-
Silver	35.5	1.76	mg/kg wet	42.30		84	80-120			

LCS Dup

Arsenic	146	9.8	mg/kg wet	168.0		87	80-120	6	20	
Barium	182	9.8	mg/kg wet	213.0		85	80-120	4	20	
Cadmium	83.9	1.97	mg/kg wet	103.0		81	80-120	7	20	
Chromium	103	3.9	mg/kg wet	119.0		87	80-120	5	20	
Lead	64.5	19.6	mg/kg wet	76.90		84	80-120	12	20	
Selenium	103	19.6	mg/kg wet	126.0		82	80-120	4	20	
Silver	36.1	1.97	mg/kg wet	42.30		85	80-120	2	20	

5035/8260B Volatile Organic Compounds / Low Level

Batch CJ20925 - 5035

Blank

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ20925 - 5035

1,2,3-Trichloropropane	ND	0.0050	mg/kg wet
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet
1,2-Dibromoethane	ND	0.0050	mg/kg wet
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet
1,2-Dichloroethane	ND	0.0050	mg/kg wet
1,2-Dichloropropane	ND	0.0050	mg/kg wet
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet
1,3-Dichloropropane	ND	0.0050	mg/kg wet
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet
1,4-Dioxane	ND	0.100	mg/kg wet
1-Chlorohexane	ND	0.0050	mg/kg wet
2,2-Dichloropropane	ND	0.0050	mg/kg wet
2-Butanone	ND	0.0500	mg/kg wet
2-Chlorotoluene	ND	0.0050	mg/kg wet
2-Hexanone	ND	0.0500	mg/kg wet
4-Chlorotoluene	ND	0.0050	mg/kg wet
4-Isopropyltoluene	ND	0.0050	mg/kg wet
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet
Acetone	ND	0.0500	mg/kg wet
Benzene	ND	0.0050	mg/kg wet
Bromobenzene	ND	0.0050	mg/kg wet
Bromochloromethane	ND	0.0050	mg/kg wet
Bromodichloromethane	ND	0.0050	mg/kg wet
Bromoform	ND	0.0050	mg/kg wet
Bromomethane	ND	0.0100	mg/kg wet
Carbon Disulfide	ND	0.0050	mg/kg wet
Carbon Tetrachloride	ND	0.0050	mg/kg wet
Chlorobenzene	ND	0.0050	mg/kg wet
Chloroethane	ND	0.0100	mg/kg wet
Chloroform	ND	0.0050	mg/kg wet
Chloromethane	ND	0.0100	mg/kg wet
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet
Dibromochloromethane	ND	0.0050	mg/kg wet
Dibromomethane	ND	0.0050	mg/kg wet
Dichlorodifluoromethane	ND	0.0100	mg/kg wet
Diethyl Ether	ND	0.0050	mg/kg wet
Di-isopropyl ether	ND	0.0050	mg/kg wet
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet
Ethylbenzene	ND	0.0050	mg/kg wet
Hexachlorobutadiene	ND	0.0050	mg/kg wet
Isopropylbenzene	ND	0.0050	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ20925 - 5035

Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0558		mg/kg wet	0.05000		112	70-130			
Surrogate: 4-Bromofluorobenzene	0.0451		mg/kg wet	0.05000		90	70-130			
Surrogate: Dibromofluoromethane	0.0553		mg/kg wet	0.05000		111	70-130			
Surrogate: Toluene-d8	0.0451		mg/kg wet	0.05000		90	70-130			

LCS

1,1,1,2-Tetrachloroethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,1,1-Trichloroethane	0.0582	0.0050	mg/kg wet	0.05000		116	70-130			
1,1,2,2-Tetrachloroethane	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
1,1,2-Trichloroethane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloroethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,1-Dichloroethene	0.0642	0.0050	mg/kg wet	0.05000		128	70-130			
1,1-Dichloropropene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,3-Trichlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,3-Trichloropropane	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
1,2,4-Trichlorobenzene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,4-Trimethylbenzene	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
1,2-Dibromo-3-Chloropropane	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
1,2-Dibromoethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichlorobenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloroethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dichloropropane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,3,5-Trimethylbenzene	0.0574	0.0050	mg/kg wet	0.05000		115	70-130			
1,3-Dichlorobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichloropropane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,4-Dichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ20925 - 5035

1,4-Dioxane	0.890	0.100	mg/kg wet	1.000		89	70-130			
1-Chlorohexane	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
2,2-Dichloropropane	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
2-Butanone	0.247	0.0500	mg/kg wet	0.2500		99	70-130			
2-Chlorotoluene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
2-Hexanone	0.230	0.0500	mg/kg wet	0.2500		92	70-130			
4-Chlorotoluene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
4-Isopropyltoluene	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
4-Methyl-2-Pentanone	0.274	0.0500	mg/kg wet	0.2500		110	70-130			
Acetone	0.369	0.0500	mg/kg wet	0.2500		147	70-130			B+
Benzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Bromobenzene	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
Bromochloromethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
Bromodichloromethane	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Bromoform	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
Bromomethane	0.0565	0.0100	mg/kg wet	0.05000		113	70-130			
Carbon Disulfide	0.0622	0.0050	mg/kg wet	0.05000		124	70-130			
Carbon Tetrachloride	0.0596	0.0050	mg/kg wet	0.05000		119	70-130			
Chlorobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Chloroethane	0.0426	0.0100	mg/kg wet	0.05000		85	70-130			
Chloroform	0.0526	0.0050	mg/kg wet	0.05000		105	70-130			
Chloromethane	0.0388	0.0100	mg/kg wet	0.05000		78	70-130			
cis-1,2-Dichloroethene	0.0552	0.0050	mg/kg wet	0.05000		110	70-130			
cis-1,3-Dichloropropene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
Dibromochloromethane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromomethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Dichlorodifluoromethane	0.0500	0.0100	mg/kg wet	0.05000		100	70-130			
Diethyl Ether	0.0750	0.0050	mg/kg wet	0.05000		150	70-130			B+
Di-isopropyl ether	0.0435	0.0050	mg/kg wet	0.05000		87	70-130			
Ethyl tertiary-butyl ether	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
Ethylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
Hexachlorobutadiene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
Isopropylbenzene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130			
Methyl tert-Butyl Ether	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
Methylene Chloride	0.0511	0.0250	mg/kg wet	0.05000		102	70-130			
Naphthalene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
n-Butylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130			
n-Propylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
sec-Butylbenzene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130			
Styrene	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
tert-Butylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Tertiary-amyl methyl ether	0.0438	0.0050	mg/kg wet	0.05000		88	70-130			
Tetrachloroethene	0.0409	0.0050	mg/kg wet	0.05000		82	70-130			
Tetrahydrofuran	0.0396	0.0050	mg/kg wet	0.05000		79	70-130			
Toluene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ20925 - 5035

trans-1,2-Dichloroethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
trans-1,3-Dichloropropene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Trichloroethene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Trichlorofluoromethane	0.0563	0.0050	mg/kg wet	0.05000		113	70-130			
Vinyl Acetate	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Vinyl Chloride	0.0549	0.0100	mg/kg wet	0.05000		110	70-130			
Xylene O	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Xylene P,M	0.0957	0.0100	mg/kg wet	0.1000		96	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0531		mg/kg wet	0.05000		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.0510		mg/kg wet	0.05000		102	70-130			
Surrogate: Dibromofluoromethane	0.0544		mg/kg wet	0.05000		109	70-130			
Surrogate: Toluene-d8	0.0466		mg/kg wet	0.05000		93	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	0.8	25	
1,1,1-Trichloroethane	0.0559	0.0050	mg/kg wet	0.05000		112	70-130	4	25	
1,1,2,2-Tetrachloroethane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
1,1,2-Trichloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
1,1-Dichloroethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	1	25	
1,1-Dichloroethene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	34	25	D+
1,1-Dichloropropene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2,3-Trichlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
1,2,3-Trichloropropane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	8	25	
1,2,4-Trichlorobenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	0.2	25	
1,2,4-Trimethylbenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	12	25	
1,2-Dibromoethane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	4	25	
1,2-Dichlorobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
1,2-Dichloroethane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	7	25	
1,2-Dichloropropane	0.0460	0.0050	mg/kg wet	0.05000		92	70-130	2	25	
1,3,5-Trimethylbenzene	0.0567	0.0050	mg/kg wet	0.05000		113	70-130	1	25	
1,3-Dichlorobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	0.4	25	
1,3-Dichloropropane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130	2	25	
1,4-Dichlorobenzene	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
1,4-Dioxane	0.895	0.100	mg/kg wet	1.000		89	70-130	0.5	20	
1-Chlorohexane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	0.4	25	
2,2-Dichloropropane	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	1	25	
2-Butanone	0.231	0.0500	mg/kg wet	0.2500		93	70-130	7	25	
2-Chlorotoluene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	2	25	
2-Hexanone	0.202	0.0500	mg/kg wet	0.2500		81	70-130	13	25	
4-Chlorotoluene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	0.6	25	
4-Isopropyltoluene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.9	25	
4-Methyl-2-Pentanone	0.240	0.0500	mg/kg wet	0.2500		96	70-130	13	25	
Acetone	0.217	0.0500	mg/kg wet	0.2500		87	70-130	52	25	D+
Benzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
Bromobenzene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	2	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ20925 - 5035										
Bromochloromethane	0.0520	0.0050	mg/kg wet	0.05000		104	70-130	0.5	25	
Bromodichloromethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Bromoform	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	3	25	
Bromomethane	0.0551	0.0100	mg/kg wet	0.05000		110	70-130	3	25	
Carbon Disulfide	0.0388	0.0050	mg/kg wet	0.05000		78	70-130	46	25	D+
Carbon Tetrachloride	0.0584	0.0050	mg/kg wet	0.05000		117	70-130	2	25	
Chlorobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	0.4	25	
Chloroethane	0.0430	0.0100	mg/kg wet	0.05000		86	70-130	0.8	25	
Chloroform	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.6	25	
Chloromethane	0.0362	0.0100	mg/kg wet	0.05000		72	70-130	7	25	
cis-1,2-Dichloroethene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	1	25	
cis-1,3-Dichloropropene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Dibromochloromethane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130	2	25	
Dibromomethane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
Dichlorodifluoromethane	0.0472	0.0100	mg/kg wet	0.05000		94	70-130	6	25	
Diethyl Ether	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	46	25	D+
Di-isopropyl ether	0.0438	0.0050	mg/kg wet	0.05000		88	70-130	0.6	25	
Ethyl tertiary-butyl ether	0.0434	0.0050	mg/kg wet	0.05000		87	70-130	0.6	25	
Ethylbenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	0.3	25	
Hexachlorobutadiene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	2	25	
Isopropylbenzene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Methyl tert-Butyl Ether	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Methylene Chloride	0.0322	0.0250	mg/kg wet	0.05000		64	70-130	45	25	B-, D+
Naphthalene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	6	25	
n-Butylbenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
n-Propylbenzene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	0.8	25	
sec-Butylbenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	2	25	
Styrene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
tert-Butylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	1	25	
Tertiary-amyl methyl ether	0.0431	0.0050	mg/kg wet	0.05000		86	70-130	2	25	
Tetrachloroethene	0.0403	0.0050	mg/kg wet	0.05000		81	70-130	2	25	
Tetrahydrofuran	0.0355	0.0050	mg/kg wet	0.05000		71	70-130	11	25	
Toluene	0.0513	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
trans-1,2-Dichloroethene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130	7	25	
trans-1,3-Dichloropropene	0.0440	0.0050	mg/kg wet	0.05000		88	70-130	4	25	
Trichloroethene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	1	25	
Trichlorofluoromethane	0.0552	0.0050	mg/kg wet	0.05000		110	70-130	2	25	
Vinyl Acetate	0.0469	0.0050	mg/kg wet	0.05000		94	70-130	2	25	
Vinyl Chloride	0.0556	0.0100	mg/kg wet	0.05000		111	70-130	1	25	
Xylene O	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.6	25	
Xylene P,M	0.0950	0.0100	mg/kg wet	0.1000		95	70-130	0.8	25	
Surrogate: 1,2-Dichloroethane-d4	0.0513		mg/kg wet	0.05000		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.0508		mg/kg wet	0.05000		102	70-130			
Surrogate: Dibromofluoromethane	0.0543		mg/kg wet	0.05000		109	70-130			
Surrogate: Toluene-d8	0.0466		mg/kg wet	0.05000		93	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21030 - 5035

Blank

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21030 - 5035

Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0533		mg/kg wet	0.05000		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.0451		mg/kg wet	0.05000		90	70-130			
Surrogate: Dibromofluoromethane	0.0520		mg/kg wet	0.05000		104	70-130			
Surrogate: Toluene-d8	0.0466		mg/kg wet	0.05000		93	70-130			

LCS

1,1,1,2-Tetrachloroethane	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
1,1,1-Trichloroethane	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			
1,1,2,2-Tetrachloroethane	0.0531	0.0050	mg/kg wet	0.05000		106	70-130			
1,1,2-Trichloroethane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
1,1-Dichloroethane	0.0397	0.0050	mg/kg wet	0.05000		79	70-130			
1,1-Dichloroethene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloropropene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,3-Trichlorobenzene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,3-Trichloropropane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,4-Trichlorobenzene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
1,2,4-Trimethylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21030 - 5035

1,2-Dibromo-3-Chloropropane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130			
1,2-Dibromoethane	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dichlorobenzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dichloroethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichloropropane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
1,3,5-Trimethylbenzene	0.0570	0.0050	mg/kg wet	0.05000		114	70-130			
1,3-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130			
1,3-Dichloropropane	0.0469	0.0050	mg/kg wet	0.05000		94	70-130			
1,4-Dichlorobenzene	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
1,4-Dioxane	0.944	0.100	mg/kg wet	1.000		94	70-130			
1-Chlorohexane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
2,2-Dichloropropane	0.0554	0.0050	mg/kg wet	0.05000		111	70-130			
2-Butanone	0.209	0.0500	mg/kg wet	0.2500		84	70-130			
2-Chlorotoluene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130			
2-Hexanone	0.226	0.0500	mg/kg wet	0.2500		91	70-130			
4-Chlorotoluene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
4-Isopropyltoluene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
4-Methyl-2-Pentanone	0.253	0.0500	mg/kg wet	0.2500		101	70-130			
Acetone	0.229	0.0500	mg/kg wet	0.2500		92	70-130			
Benzene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Bromobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
Bromochloromethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
Bromodichloromethane	0.0521	0.0050	mg/kg wet	0.05000		104	70-130			
Bromoform	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Bromomethane	0.0536	0.0100	mg/kg wet	0.05000		107	70-130			
Carbon Disulfide	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
Carbon Tetrachloride	0.0591	0.0050	mg/kg wet	0.05000		118	70-130			
Chlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Chloroethane	0.0415	0.0100	mg/kg wet	0.05000		83	70-130			
Chloroform	0.0527	0.0050	mg/kg wet	0.05000		105	70-130			
Chloromethane	0.0359	0.0100	mg/kg wet	0.05000		72	70-130			
cis-1,2-Dichloroethene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
cis-1,3-Dichloropropene	0.0528	0.0050	mg/kg wet	0.05000		106	70-130			
Dibromochloromethane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130			
Dibromomethane	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Dichlorodifluoromethane	0.0479	0.0100	mg/kg wet	0.05000		96	70-130			
Diethyl Ether	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
Di-isopropyl ether	0.0401	0.0050	mg/kg wet	0.05000		80	70-130			
Ethyl tertiary-butyl ether	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Ethylbenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
Hexachlorobutadiene	0.0586	0.0050	mg/kg wet	0.05000		117	70-130			
Isopropylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Methyl tert-Butyl Ether	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
Methylene Chloride	0.0456	0.0250	mg/kg wet	0.05000		91	70-130			
Naphthalene	0.0571	0.0050	mg/kg wet	0.05000		114	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21030 - 5035

n-Butylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
n-Propylbenzene	0.0550	0.0050	mg/kg wet	0.05000		110	70-130			
sec-Butylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
Styrene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130			
tert-Butylbenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Tertiary-amyl methyl ether	0.0481	0.0050	mg/kg wet	0.05000		96	70-130			
Tetrachloroethene	0.0405	0.0050	mg/kg wet	0.05000		81	70-130			
Tetrahydrofuran	0.0420	0.0050	mg/kg wet	0.05000		84	70-130			
Toluene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
trans-1,2-Dichloroethene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
trans-1,3-Dichloropropene	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			
Trichloroethene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
Trichlorofluoromethane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130			
Vinyl Acetate	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Vinyl Chloride	0.0550	0.0100	mg/kg wet	0.05000		110	70-130			
Xylene O	0.0484	0.0050	mg/kg wet	0.05000		97	70-130			
Xylene P,M	0.0961	0.0100	mg/kg wet	0.1000		96	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0528		mg/kg wet	0.05000		106	70-130			
Surrogate: 4-Bromofluorobenzene	0.0519		mg/kg wet	0.05000		104	70-130			
Surrogate: Dibromofluoromethane	0.0537		mg/kg wet	0.05000		107	70-130			
Surrogate: Toluene-d8	0.0449		mg/kg wet	0.05000		90	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	1	25	
1,1,1-Trichloroethane	0.0548	0.0050	mg/kg wet	0.05000		110	70-130	4	25	
1,1,2,2-Tetrachloroethane	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
1,1,2-Trichloroethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	8	25	
1,1-Dichloroethane	0.0419	0.0050	mg/kg wet	0.05000		84	70-130	5	25	
1,1-Dichloroethene	0.0430	0.0050	mg/kg wet	0.05000		86	70-130	22	25	
1,1-Dichloropropene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
1,2,3-Trichlorobenzene	0.0530	0.0050	mg/kg wet	0.05000		106	70-130	0.5	25	
1,2,3-Trichloropropane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
1,2,4-Trichlorobenzene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	0.2	25	
1,2,4-Trimethylbenzene	0.0570	0.0050	mg/kg wet	0.05000		114	70-130	0.9	25	
1,2-Dibromo-3-Chloropropane	0.0537	0.0050	mg/kg wet	0.05000		107	70-130	0.2	25	
1,2-Dibromoethane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	3	25	
1,2-Dichlorobenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	0.6	25	
1,2-Dichloroethane	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
1,2-Dichloropropane	0.0401	0.0050	mg/kg wet	0.05000		80	70-130	13	25	
1,3,5-Trimethylbenzene	0.0579	0.0050	mg/kg wet	0.05000		116	70-130	1	25	
1,3-Dichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	0.5	25	
1,3-Dichloropropane	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	0.6	25	
1,4-Dichlorobenzene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.9	25	
1,4-Dioxane	0.842	0.100	mg/kg wet	1.000		84	70-130	11	20	
1-Chlorohexane	0.0450	0.0050	mg/kg wet	0.05000		90	70-130	2	25	
2,2-Dichloropropane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	6	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21030 - 5035

2-Butanone	0.207	0.0500	mg/kg wet	0.2500		83	70-130	1	25	
2-Chlorotoluene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	0.6	25	
2-Hexanone	0.214	0.0500	mg/kg wet	0.2500		86	70-130	5	25	
4-Chlorotoluene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130	0.1	25	
4-Isopropyltoluene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
4-Methyl-2-Pentanone	0.221	0.0500	mg/kg wet	0.2500		88	70-130	13	25	
Acetone	0.213	0.0500	mg/kg wet	0.2500		85	70-130	8	25	
Benzene	0.0455	0.0050	mg/kg wet	0.05000		91	70-130	9	25	
Bromobenzene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	0.9	25	
Bromochloromethane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	5	25	
Bromodichloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	8	25	
Bromoform	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	0.4	25	
Bromomethane	0.0531	0.0100	mg/kg wet	0.05000		106	70-130	1	25	
Carbon Disulfide	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	6	25	
Carbon Tetrachloride	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
Chlorobenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	1	25	
Chloroethane	0.0396	0.0100	mg/kg wet	0.05000		79	70-130	5	25	
Chloroform	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	6	25	
Chloromethane	0.0336	0.0100	mg/kg wet	0.05000		67	70-130	7	25	B-
cis-1,2-Dichloroethene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	1	25	
cis-1,3-Dichloropropene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
Dibromochloromethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	2	25	
Dibromomethane	0.0434	0.0050	mg/kg wet	0.05000		87	70-130	14	25	
Dichlorodifluoromethane	0.0459	0.0100	mg/kg wet	0.05000		92	70-130	4	25	
Diethyl Ether	0.0438	0.0050	mg/kg wet	0.05000		88	70-130	7	25	
Di-isopropyl ether	0.0405	0.0050	mg/kg wet	0.05000		81	70-130	1	25	
Ethyl tertiary-butyl ether	0.0443	0.0050	mg/kg wet	0.05000		89	70-130	8	25	
Ethylbenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
Hexachlorobutadiene	0.0595	0.0050	mg/kg wet	0.05000		119	70-130	1	25	
Isopropylbenzene	0.0554	0.0050	mg/kg wet	0.05000		111	70-130	0.9	25	
Methyl tert-Butyl Ether	0.0504	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Methylene Chloride	0.0469	0.0250	mg/kg wet	0.05000		94	70-130	3	25	
Naphthalene	0.0568	0.0050	mg/kg wet	0.05000		114	70-130	0.5	25	
n-Butylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	0.9	25	
n-Propylbenzene	0.0556	0.0050	mg/kg wet	0.05000		111	70-130	1	25	
sec-Butylbenzene	0.0566	0.0050	mg/kg wet	0.05000		113	70-130	0.7	25	
Styrene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
tert-Butylbenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
Tertiary-amyl methyl ether	0.0416	0.0050	mg/kg wet	0.05000		83	70-130	14	25	
Tetrachloroethene	0.0416	0.0050	mg/kg wet	0.05000		83	70-130	3	25	
Tetrahydrofuran	0.0394	0.0050	mg/kg wet	0.05000		79	70-130	7	25	
Toluene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	5	25	
trans-1,2-Dichloroethene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	3	25	
trans-1,3-Dichloropropene	0.0395	0.0050	mg/kg wet	0.05000		79	70-130	11	25	
Trichloroethene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	10	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21030 - 5035

Trichlorofluoromethane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Vinyl Acetate	0.0476	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
Vinyl Chloride	0.0524	0.0100	mg/kg wet	0.05000		105	70-130	5	25	
Xylene O	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Xylene P,M	0.0980	0.0100	mg/kg wet	0.1000		98	70-130	2	25	
Surrogate: 1,2-Dichloroethane-d4	0.0495		mg/kg wet	0.05000		99	70-130			
Surrogate: 4-Bromofluorobenzene	0.0520		mg/kg wet	0.05000		104	70-130			
Surrogate: Dibromofluoromethane	0.0500		mg/kg wet	0.05000		100	70-130			
Surrogate: Toluene-d8	0.0452		mg/kg wet	0.05000		90	70-130			

8100M Total Petroleum Hydrocarbons

Batch CJ20906 - 3546

Blank										
Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							

Surrogate: O-Terphenyl	4.67		mg/kg wet	5.000		93	40-140			
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LCS										
Decane (C10)	2.2	0.2	mg/kg wet	2.500		87	40-140			
Docosane (C22)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500		96	40-140			
Eicosane (C20)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Hexacosane (C26)	2.7	0.2	mg/kg wet	2.500		108	40-140			
Hexadecane (C16)	2.6	0.2	mg/kg wet	2.500		105	40-140			
Nonadecane (C19)	2.3	0.2	mg/kg wet	2.500		92	40-140			
Nonane (C9)	1.9	0.2	mg/kg wet	2.500		74	30-140			
Octacosane (C28)	2.7	0.2	mg/kg wet	2.500		108	40-140			
Octadecane (C18)	2.7	0.2	mg/kg wet	2.500		107	40-140			
Tetracosane (C24)	2.7	0.2	mg/kg wet	2.500		108	40-140			
Tetradecane (C14)	2.5	0.2	mg/kg wet	2.500		101	40-140			
Total Petroleum Hydrocarbons	37.7	37.5	mg/kg wet	35.00		108	40-140			
Triacontane (C30)	2.7	0.2	mg/kg wet	2.500		108	40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CJ20906 - 3546

<i>Surrogate: O-Terphenyl</i>	5.24		mg/kg wet	5.000		105	40-140			
LCS Dup										
Decane (C10)	2.1	0.2	mg/kg wet	2.500		83	40-140	4	50	
Docosane (C22)	2.8	0.2	mg/kg wet	2.500		111	40-140	3	50	
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500		98	40-140	2	50	
Eicosane (C20)	2.7	0.2	mg/kg wet	2.500		110	40-140	3	50	
Hexacosane (C26)	2.8	0.2	mg/kg wet	2.500		112	40-140	4	50	
Hexadecane (C16)	2.7	0.2	mg/kg wet	2.500		107	40-140	2	50	
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500		95	40-140	3	50	
Nonane (C9)	1.7	0.2	mg/kg wet	2.500		68	30-140	9	50	
Octacosane (C28)	2.8	0.2	mg/kg wet	2.500		112	40-140	4	50	
Octadecane (C18)	2.7	0.2	mg/kg wet	2.500		110	40-140	3	50	
Tetracosane (C24)	2.8	0.2	mg/kg wet	2.500		112	40-140	4	50	
Tetradecane (C14)	2.6	0.2	mg/kg wet	2.500		102	40-140	0.6	50	
Total Petroleum Hydrocarbons	40.1	37.5	mg/kg wet	35.00		115	40-140	6	50	
Triacontane (C30)	2.8	0.2	mg/kg wet	2.500		112	40-140	3	50	

<i>Surrogate: O-Terphenyl</i>	5.24		mg/kg wet	5.000		105	40-140			
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8270C Semi-Volatile Organic Compounds

Batch CJ20907 - 3546

Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ20907 - 3546

4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet
4-Chloroaniline	ND	0.667	mg/kg wet
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet
4-Nitroaniline	ND	0.333	mg/kg wet
4-Nitrophenol	ND	1.67	mg/kg wet
Acenaphthene	ND	0.333	mg/kg wet
Acenaphthylene	ND	0.333	mg/kg wet
Acetophenone	ND	0.667	mg/kg wet
Aniline	ND	0.667	mg/kg wet
Anthracene	ND	0.333	mg/kg wet
Azobenzene	ND	0.333	mg/kg wet
Benzo(a)anthracene	ND	0.333	mg/kg wet
Benzo(a)pyrene	ND	0.167	mg/kg wet
Benzo(b)fluoranthene	ND	0.333	mg/kg wet
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet
Benzo(k)fluoranthene	ND	0.333	mg/kg wet
Benzoic Acid	ND	1.67	mg/kg wet
Benzyl Alcohol	ND	0.333	mg/kg wet
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet
Butylbenzylphthalate	ND	0.333	mg/kg wet
Carbazole	ND	0.333	mg/kg wet
Chrysene	ND	0.167	mg/kg wet
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet
Dibenzofuran	ND	0.333	mg/kg wet
Diethylphthalate	ND	0.333	mg/kg wet
Dimethylphthalate	ND	0.333	mg/kg wet
Di-n-butylphthalate	ND	0.333	mg/kg wet
Di-n-octylphthalate	ND	0.333	mg/kg wet
Fluoranthene	ND	0.333	mg/kg wet
Fluorene	ND	0.333	mg/kg wet
Hexachlorobenzene	ND	0.167	mg/kg wet
Hexachlorobutadiene	ND	0.333	mg/kg wet
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet
Hexachloroethane	ND	0.333	mg/kg wet
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet
Isophorone	ND	0.333	mg/kg wet
Naphthalene	ND	0.333	mg/kg wet
Nitrobenzene	ND	0.333	mg/kg wet
N-Nitrosodimethylamine	ND	0.333	mg/kg wet
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ20907 - 3546

N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.77		mg/kg wet	3.333		83	30-130			
Surrogate: 2,4,6-Tribromophenol	4.26		mg/kg wet	5.000		85	30-130			
Surrogate: 2-Chlorophenol-d4	4.02		mg/kg wet	5.000		80	30-130			
Surrogate: 2-Fluorobiphenyl	2.69		mg/kg wet	3.333		81	30-130			
Surrogate: 2-Fluorophenol	3.90		mg/kg wet	5.000		78	30-130			
Surrogate: Nitrobenzene-d5	2.56		mg/kg wet	3.333		77	30-130			
Surrogate: Phenol-d6	3.96		mg/kg wet	5.000		79	30-130			
Surrogate: p-Terphenyl-d14	3.09		mg/kg wet	3.333		93	30-130			

LCS

1,1-Biphenyl	2.58	0.333	mg/kg wet	3.333		77	40-140			
1,2,4-Trichlorobenzene	2.55	0.333	mg/kg wet	3.333		76	40-140			
1,2-Dichlorobenzene	2.51	0.333	mg/kg wet	3.333		75	40-140			
1,3-Dichlorobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140			
1,4-Dichlorobenzene	2.42	0.333	mg/kg wet	3.333		73	40-140			
2,3,4,6-Tetrachlorophenol	2.68	1.67	mg/kg wet	3.333		80	30-130			
2,4,5-Trichlorophenol	2.67	0.333	mg/kg wet	3.333		80	30-130			
2,4,6-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4-Dichlorophenol	2.60	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dimethylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130			
2,4-Dinitrophenol	2.11	1.67	mg/kg wet	3.333		63	30-130			
2,4-Dinitrotoluene	2.69	0.333	mg/kg wet	3.333		81	40-140			
2,6-Dinitrotoluene	2.70	0.333	mg/kg wet	3.333		81	40-140			
2-Chloronaphthalene	2.42	0.333	mg/kg wet	3.333		73	40-140			
2-Chlorophenol	2.41	0.333	mg/kg wet	3.333		72	30-130			
2-Methylnaphthalene	2.55	0.333	mg/kg wet	3.333		77	40-140			
2-Methylphenol	2.49	0.333	mg/kg wet	3.333		75	30-130			
2-Nitroaniline	2.13	0.333	mg/kg wet	3.333		64	40-140			
2-Nitrophenol	2.52	0.333	mg/kg wet	3.333		76	30-130			
3,3'-Dichlorobenzidine	2.32	0.667	mg/kg wet	3.333		70	40-140			
3+4-Methylphenol	4.92	0.667	mg/kg wet	6.667		74	30-130			
3-Nitroaniline	2.46	0.333	mg/kg wet	3.333		74	40-140			
4,6-Dinitro-2-Methylphenol	2.50	1.67	mg/kg wet	3.333		75	30-130			
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140			
4-Chloro-3-Methylphenol	2.61	0.333	mg/kg wet	3.333		78	30-130			
4-Chloroaniline	2.13	0.667	mg/kg wet	3.333		64	40-140			
4-Chloro-phenyl-phenyl ether	2.68	0.333	mg/kg wet	3.333		80	40-140			
4-Nitroaniline	2.47	0.333	mg/kg wet	3.333		74	40-140			
4-Nitrophenol	2.51	1.67	mg/kg wet	3.333		75	30-130			
Acenaphthene	2.76	0.333	mg/kg wet	3.333		83	40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ20907 - 3546

Acenaphthylene	2.45	0.333	mg/kg wet	3.333		74	40-140			
Acetophenone	2.54	0.667	mg/kg wet	3.333		76	40-140			
Aniline	1.89	0.667	mg/kg wet	3.333		57	40-140			
Anthracene	2.96	0.333	mg/kg wet	3.333		89	40-140			
Azobenzene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Benzo(a)anthracene	2.83	0.333	mg/kg wet	3.333		85	40-140			
Benzo(a)pyrene	2.74	0.167	mg/kg wet	3.333		82	40-140			
Benzo(b)fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Benzo(g,h,i)perylene	2.87	0.333	mg/kg wet	3.333		86	40-140			
Benzo(k)fluoranthene	3.05	0.333	mg/kg wet	3.333		91	40-140			
Benzoic Acid	2.30	1.67	mg/kg wet	3.333		69	40-140			
Benzyl Alcohol	1.73	0.333	mg/kg wet	3.333		52	40-140			
bis(2-Chloroethoxy)methane	2.48	0.333	mg/kg wet	3.333		75	40-140			
bis(2-Chloroethyl)ether	2.37	0.333	mg/kg wet	3.333		71	40-140			
bis(2-chloroisopropyl)Ether	2.36	0.333	mg/kg wet	3.333		71	40-140			
bis(2-Ethylhexyl)phthalate	2.66	0.333	mg/kg wet	3.333		80	40-140			
Butylbenzylphthalate	2.61	0.333	mg/kg wet	3.333		78	40-140			
Carbazole	2.72	0.333	mg/kg wet	3.333		82	40-140			
Chrysene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Dibenzo(a,h)Anthracene	3.04	0.167	mg/kg wet	3.333		91	40-140			
Dibenzofuran	2.64	0.333	mg/kg wet	3.333		79	40-140			
Diethylphthalate	2.71	0.333	mg/kg wet	3.333		81	40-140			
Dimethylphthalate	2.64	0.333	mg/kg wet	3.333		79	40-140			
Di-n-butylphthalate	2.84	0.333	mg/kg wet	3.333		85	40-140			
Di-n-octylphthalate	3.06	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.83	0.333	mg/kg wet	3.333		85	40-140			
Fluorene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Hexachlorobenzene	2.68	0.167	mg/kg wet	3.333		80	40-140			
Hexachlorobutadiene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Hexachlorocyclopentadiene	2.23	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	2.34	0.333	mg/kg wet	3.333		70	40-140			
Indeno(1,2,3-cd)Pyrene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Isophorone	2.46	0.333	mg/kg wet	3.333		74	40-140			
Naphthalene	2.60	0.333	mg/kg wet	3.333		78	40-140			
Nitrobenzene	2.49	0.333	mg/kg wet	3.333		75	40-140			
N-Nitrosodimethylamine	2.11	0.333	mg/kg wet	3.333		63	40-140			
N-Nitroso-Di-n-Propylamine	2.32	0.333	mg/kg wet	3.333		70	40-140			
N-nitrosodiphenylamine	2.75	0.333	mg/kg wet	3.333		83	40-140			
Pentachlorophenol	2.32	1.67	mg/kg wet	3.333		70	30-130			
Phenanthrene	2.93	0.333	mg/kg wet	3.333		88	40-140			
Phenol	2.42	0.333	mg/kg wet	3.333		73	30-130			
Pyrene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Pyridine	1.88	1.67	mg/kg wet	3.333		57	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	2.65		mg/kg wet	3.333		79	30-130			
Surrogate: 2,4,6-Tribromophenol	4.23		mg/kg wet	5.000		85	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ20907 - 3546

Surrogate: 2-Chlorophenol-d4	3.78		mg/kg wet	5.000		76	30-130			
Surrogate: 2-Fluorobiphenyl	2.60		mg/kg wet	3.333		78	30-130			
Surrogate: 2-Fluorophenol	3.63		mg/kg wet	5.000		73	30-130			
Surrogate: Nitrobenzene-d5	2.46		mg/kg wet	3.333		74	30-130			
Surrogate: Phenol-d6	3.72		mg/kg wet	5.000		74	30-130			
Surrogate: p-Terphenyl-d14	2.79		mg/kg wet	3.333		84	30-130			

LCS Dup

1,1-Biphenyl	2.57	0.333	mg/kg wet	3.333		77	40-140	0.4	30	
1,2,4-Trichlorobenzene	2.52	0.333	mg/kg wet	3.333		76	40-140	1	30	
1,2-Dichlorobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140	4	30	
1,3-Dichlorobenzene	2.34	0.333	mg/kg wet	3.333		70	40-140	0.9	30	
1,4-Dichlorobenzene	2.39	0.333	mg/kg wet	3.333		72	40-140	1	30	
2,3,4,6-Tetrachlorophenol	2.81	1.67	mg/kg wet	3.333		84	30-130	5	30	
2,4,5-Trichlorophenol	2.78	0.333	mg/kg wet	3.333		83	30-130	4	30	
2,4,6-Trichlorophenol	2.62	0.333	mg/kg wet	3.333		78	30-130	4	30	
2,4-Dichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	1	30	
2,4-Dimethylphenol	2.63	0.333	mg/kg wet	3.333		79	30-130	0.5	30	
2,4-Dinitrophenol	2.44	1.67	mg/kg wet	3.333		73	30-130	15	30	
2,4-Dinitrotoluene	2.80	0.333	mg/kg wet	3.333		84	40-140	4	30	
2,6-Dinitrotoluene	2.81	0.333	mg/kg wet	3.333		84	40-140	4	30	
2-Chloronaphthalene	2.39	0.333	mg/kg wet	3.333		72	40-140	1	30	
2-Chlorophenol	2.39	0.333	mg/kg wet	3.333		72	30-130	0.8	30	
2-Methylnaphthalene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.8	30	
2-Methylphenol	2.49	0.333	mg/kg wet	3.333		75	30-130	0.4	30	
2-Nitroaniline	2.25	0.333	mg/kg wet	3.333		68	40-140	5	30	
2-Nitrophenol	2.57	0.333	mg/kg wet	3.333		77	30-130	2	30	
3,3'-Dichlorobenzidine	2.44	0.667	mg/kg wet	3.333		73	40-140	5	30	
3+4-Methylphenol	4.87	0.667	mg/kg wet	6.667		73	30-130	1	30	
3-Nitroaniline	2.59	0.333	mg/kg wet	3.333		78	40-140	5	30	
4,6-Dinitro-2-Methylphenol	2.68	1.67	mg/kg wet	3.333		80	30-130	7	30	
4-Bromophenyl-phenylether	2.72	0.333	mg/kg wet	3.333		82	40-140	0.07	30	
4-Chloro-3-Methylphenol	2.68	0.333	mg/kg wet	3.333		80	30-130	3	30	
4-Chloroaniline	2.07	0.667	mg/kg wet	3.333		62	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.70	0.333	mg/kg wet	3.333		81	40-140	1	30	
4-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140	5	30	
4-Nitrophenol	2.71	1.67	mg/kg wet	3.333		81	30-130	8	30	
Acenaphthene	2.78	0.333	mg/kg wet	3.333		83	40-140	0.7	30	
Acenaphthylene	2.47	0.333	mg/kg wet	3.333		74	40-140	0.7	30	
Acetophenone	2.51	0.667	mg/kg wet	3.333		75	40-140	1	30	
Aniline	1.93	0.667	mg/kg wet	3.333		58	40-140	2	30	
Anthracene	2.97	0.333	mg/kg wet	3.333		89	40-140	0.2	30	
Azobenzene	2.50	0.333	mg/kg wet	3.333		75	40-140	0	30	
Benzo(a)anthracene	2.89	0.333	mg/kg wet	3.333		87	40-140	2	30	
Benzo(a)pyrene	2.84	0.167	mg/kg wet	3.333		85	40-140	3	30	
Benzo(b)fluoranthene	3.01	0.333	mg/kg wet	3.333		90	40-140	2	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ20907 - 3546

Benzo(g,h,i)perylene	2.92	0.333	mg/kg wet	3.333		88	40-140	2	30	
Benzo(k)fluoranthene	3.10	0.333	mg/kg wet	3.333		93	40-140	2	30	
Benzoic Acid	2.45	1.67	mg/kg wet	3.333		74	40-140	6	30	
Benzyl Alcohol	1.83	0.333	mg/kg wet	3.333		55	40-140	6	30	
bis(2-Chloroethoxy)methane	2.47	0.333	mg/kg wet	3.333		74	40-140	0.4	30	
bis(2-Chloroethyl)ether	2.32	0.333	mg/kg wet	3.333		70	40-140	2	30	
bis(2-chloroisopropyl)Ether	2.34	0.333	mg/kg wet	3.333		70	40-140	0.8	30	
bis(2-Ethylhexyl)phthalate	2.82	0.333	mg/kg wet	3.333		85	40-140	6	30	
Butylbenzylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140	5	30	
Carbazole	2.77	0.333	mg/kg wet	3.333		83	40-140	2	30	
Chrysene	2.90	0.167	mg/kg wet	3.333		87	40-140	3	30	
Dibenzo(a,h)Anthracene	3.11	0.167	mg/kg wet	3.333		93	40-140	2	30	
Dibenzofuran	2.68	0.333	mg/kg wet	3.333		80	40-140	1	30	
Diethylphthalate	2.79	0.333	mg/kg wet	3.333		84	40-140	3	30	
Dimethylphthalate	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
Di-n-butylphthalate	2.91	0.333	mg/kg wet	3.333		87	40-140	3	30	
Di-n-octylphthalate	3.17	0.333	mg/kg wet	3.333		95	40-140	4	30	
Fluoranthene	2.87	0.333	mg/kg wet	3.333		86	40-140	1	30	
Fluorene	2.88	0.333	mg/kg wet	3.333		87	40-140	2	30	
Hexachlorobenzene	2.69	0.167	mg/kg wet	3.333		81	40-140	0.6	30	
Hexachlorobutadiene	2.54	0.333	mg/kg wet	3.333		76	40-140	2	30	
Hexachlorocyclopentadiene	2.37	1.67	mg/kg wet	3.333		71	40-140	6	30	
Hexachloroethane	2.29	0.333	mg/kg wet	3.333		69	40-140	2	30	
Indeno(1,2,3-cd)Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140	1	30	
Isophorone	2.45	0.333	mg/kg wet	3.333		74	40-140	0.1	30	
Naphthalene	2.55	0.333	mg/kg wet	3.333		77	40-140	2	30	
Nitrobenzene	2.46	0.333	mg/kg wet	3.333		74	40-140	1	30	
N-Nitrosodimethylamine	2.05	0.333	mg/kg wet	3.333		61	40-140	3	30	
N-Nitroso-Di-n-Propylamine	2.29	0.333	mg/kg wet	3.333		69	40-140	1	30	
N-nitrosodiphenylamine	2.78	0.333	mg/kg wet	3.333		83	40-140	1	30	
Pentachlorophenol	2.48	1.67	mg/kg wet	3.333		74	30-130	7	30	
Phenanthrene	2.94	0.333	mg/kg wet	3.333		88	40-140	0.3	30	
Phenol	2.05	0.333	mg/kg wet	3.333		62	30-130	17	30	
Pyrene	2.94	0.333	mg/kg wet	3.333		88	40-140	3	30	
Pyridine	1.86	1.67	mg/kg wet	3.333		56	40-140	1	30	
Surrogate: 1,2-Dichlorobenzene-d4	2.66		mg/kg wet	3.333		80	30-130			
Surrogate: 2,4,6-Tribromophenol	4.37		mg/kg wet	5.000		87	30-130			
Surrogate: 2-Chlorophenol-d4	3.86		mg/kg wet	5.000		77	30-130			
Surrogate: 2-Fluorobiphenyl	2.59		mg/kg wet	3.333		78	30-130			
Surrogate: 2-Fluorophenol	3.67		mg/kg wet	5.000		73	30-130			
Surrogate: Nitrobenzene-d5	2.48		mg/kg wet	3.333		74	30-130			
Surrogate: Phenol-d6	3.72		mg/kg wet	5.000		74	30-130			
Surrogate: p-Terphenyl-d14	2.91		mg/kg wet	3.333		87	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

Notes and Definitions

- U Analyte included in the analysis, but not detected
- Q Calibration required quadratic regression (Q).
- D+ Relative percent difference for duplicate is outside of criteria (D+).
- D Diluted.
- C+ Continuing Calibration recovery is above upper control limit (C+).
- C- Continuing Calibration recovery is below lower control limit (C-).
- B+ Blank Spike recovery is above upper control limit (B+).
- B- Blank Spike recovery is below lower control limit (B-).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210160

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: ET & L
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100160
Date Project Due: 10/12/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|---|-------------------------------|---|---------------------------------|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> * Yes |
| Cooler Temp: <u>4.2</u> | | 16. Are ESS labels on correct containers? | <input type="checkbox"/> Yes/No |
| Iced With: <u>Ice</u> | | 17. Were samples received intact? | <input type="checkbox"/> Yes/No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: <u>01402</u> | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: <u>CTS</u> | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: <u>Grain size</u> | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: <u>Steel</u> | |
| 18. Was there need to call project manager to discuss status? If yes, please explain. | | | |

Low levels frozen 10/5/12 at 1511 JK

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	1	MeOH
1	Yes	40 ml - VOA	2	other
1	Yes	8 oz Soil Jar	3	NP
1	Yes	Plastic Bag	1	NP
2	Yes	40 ml - VOA	1	MeOH
2	Yes	40 ml - VOA	2	other
2	Yes	8 oz Soil Jar	3	NP
2	Yes	Plastic Bag	1	NP

Completed By: OK
Reviewed By: CWO

Date/Time: 10/5/12
Date/Time: 10/5/12

ESS Laboratory

Division of Thielsch Engineering, Inc.

106 South Street, Hopkinton, MA 01748
 Tel. (508) 435-9244 Fax (508) 435-9912
 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 210160

Turn Time Standard Other _____

Regulatory State: MA RI CT NH NJ NY ME Other _____

Is this project for any of the following: (please circle)
 MA-MCP Navy USACE CT DEP Other _____

Reporting Limits - _____

Electronic Deliverables Excel Access PDF

Co. Name E.T. & L. Corp.

Project # CT5-74-12-0003.13J

Project Name TEXTRON SITE

Contact Person JAY / MATT POLSKY

Proj. Location PROVIDENCE R.I

Address 873 GREAT ROAD

City, State STON, MA

Zip 01775

PO # _____

Tel. 978-897-4353

Fax. 978-897-0779

email: _____

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis										
										VOC	SVOC	TPH	R8 METALS	SIEVE ANALYSIS	ORG. CONTENT	PH				
<u>01</u>	<u>10-5-12</u>	<u>1:30</u>	<u>6</u>	<u>S</u>	<u>500cg - 1000cg</u>		<u>6</u>	<u>G</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>					
<u>02</u>	<u>10-5-12</u>	<u>1:35</u>	<u>6</u>	<u>S</u>	<u>1000cg - 1500cg</u>		<u>6</u>	<u>G</u>		<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>		<u>X</u>					

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present Yes No Internal Use Only _____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Seals Intact Yes No NA: [] Pickup

Sampled by: JON DIBREBORIO

Cooler Temperature: 4.2 ice [] Technician _____

Comments: QUESTIONS TO MATT POLSKY

Relinquished by: (Signature, Date & Time)
[Signature] 10-5-12

Received by: (Signature, Date & Time)
[Signature] 10/5/12 1405

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

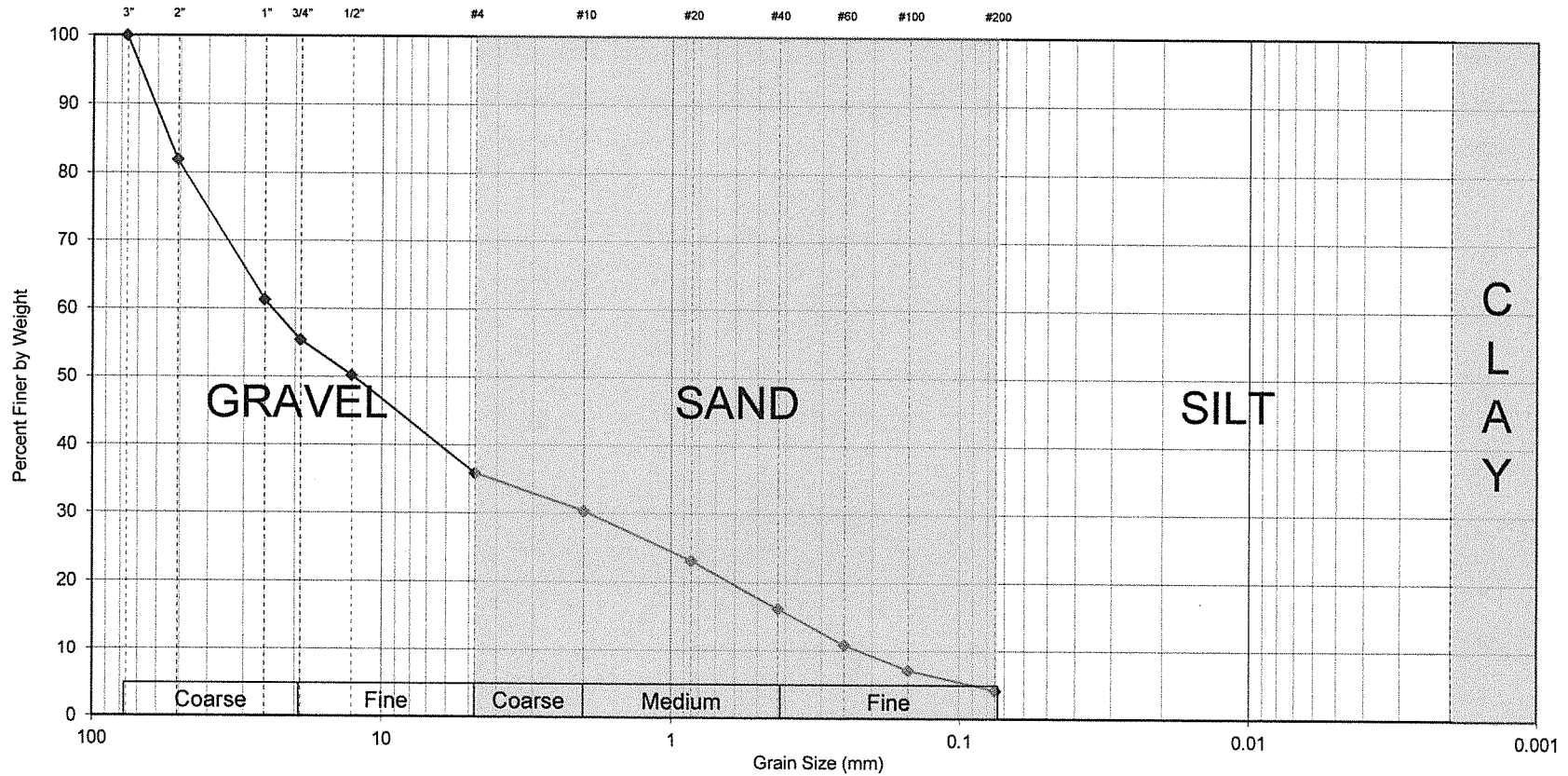
Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody
Report Method Blank & Laboratory Control Sample Results

1 (White) Lab Copy
 2 (Yellow) Client Receipt

U.S. STANDARD SIEVE AND HYDROMETER



Gravel
64.2%

Sand
31.7%

Fines
4.1%

Lab #	Source	Material	Sample Date	Description	WC	LL	PL	PI
261	Copar	Gravel	8/28/12	Brown Poorly-graded Gravel with Sand (GP)				

Sieve Size	% Passing
3/4"	55.4
1/2"	50.2
#4	35.8
#10	30.3
#20	23.1
#40	16.2
#60	10.9
#100	7.1
#200	4.1



Textron Site
 Providence, RI
 Thielsch CTS File # 74-12-0003.13J
 Tested by: GG Date: 8/30/12
 Reviewed by: MBP Date: 8/30/12



CERTIFICATE OF ANALYSIS

Matt Polsky
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910

RE: ET and L Corp (CTS-74-12-0003.13J)
ESS Laboratory Work Order Number: 1208515

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 4:45 pm, Sep 07, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

SAMPLE RECEIPT

The following samples were received on August 31, 2012 for the analyses specified on the enclosed Chain of Custody Record.

These samples were originally received on hold on August 28, 2012.

Lab Number	SampleName	Matrix	Analysis
1208515-01	Textron Site - Copar - Gravel-1	Solid	6010B, 7471A, 8100M, 8260B Low, 8270C



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

1208515-01 Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results (SC).

1,2-Dichloroethane-d4 (68% @ 70-130%)

CH22920-BS1 Blank Spike recovery is below lower control limit (B-).

1,4-Dioxane (53% @ 70-130%)

CH22920-BSD1 Blank Spike recovery is below lower control limit (B-).

1,4-Dioxane (48% @ 70-130%)

8100M Total Petroleum Hydrocarbons

CVI0039-CCV3 Continuing Calibration recovery is above upper control limit (C+).

Docosane (C22) (124% @ 80-120%), Eicosane (C20) (124% @ 80-120%), Hexacosane (C26) (125% @ 80-120%), Hexadecane (C16) (124% @ 80-120%), Octacosane (C28) (125% @ 80-120%), Octadecane (C18) (124% @ 80-120%), O-Terphenyl (121% @ 80-120%), Tetracosane (C24) (124% @ 80-120%), Total Petroleum Hydrocarbons (126% @ 80-120%), Triacontane (C30) (124% @ 80-120%)

8270C Semi-Volatile Organic Compounds

CI20515-BS1 Blank Spike recovery is below lower control limit (B-).

N-Nitroso-Di-n-Propylamine (38% @ 40-140%), Pyridine (36% @ 40-140%)

CI20515-BSD1 Relative percent difference for duplicate is outside of criteria (D+).

1,2,4-Trichlorobenzene (31%), 2,4-Dichlorophenol (32%), 2,4-Dimethylphenol (31%), 2-Nitrophenol (35%), bis(2-Chloroethyl)ether (31%), Hexachlorobutadiene (32%), Hexachloroethane (31%)

CVI0044-CCV1 Initial Calibration Verification recovery is outside of control limit (ICV).

2-Nitroaniline, Hexachlorocyclopentadiene

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Gravel-1
Date Sampled: 08/28/12 12:10
Percent Solids: 96

ESS Laboratory Work Order: 1208515
ESS Laboratory Sample ID: 1208515-01
Sample Matrix: Solid
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analvst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	ND (2.2)	6010B		1	KJK	08/31/12 19:22	2.41	100	CH23113
Barium	8.7 (2.2)	6010B		1	KJK	08/31/12 19:22	2.41	100	CH23113
Cadmium	ND (0.43)	6010B		1	KJK	08/31/12 19:22	2.41	100	CH23113
Chromium	ND (0.9)	6010B		1	KJK	08/31/12 19:22	2.41	100	CH23113
Lead	ND (4.3)	6010B		1	KJK	08/31/12 19:22	2.41	100	CH23113
Mercury	ND (0.029)	7471A		1	LLZ	09/04/12 11:40	0.7	40	CH23122
Selenium	ND (4.3)	6010B		1	KJK	08/31/12 19:22	2.41	100	CH23113
Silver	ND (0.43)	6010B		1	KJK	08/31/12 19:22	2.41	100	CH23113



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Gravel-1
Date Sampled: 08/28/12 12:10
Percent Solids: 96
Initial Volume: 5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1208515
ESS Laboratory Sample ID: 1208515-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,1,1-Trichloroethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,1,2,2-Tetrachloroethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,1,2-Trichloroethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,1-Dichloroethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,1-Dichloroethene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,1-Dichloropropene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2,3-Trichlorobenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2,3-Trichloropropane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2,4-Trichlorobenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2,4-Trimethylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2-Dibromo-3-Chloropropane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2-Dibromoethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2-Dichlorobenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2-Dichloroethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,2-Dichloropropane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,3,5-Trimethylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,3-Dichlorobenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,3-Dichloropropane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,4-Dichlorobenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
1,4-Dioxane	ND (0.104)		1	08/29/12 12:24	CVH0279	CH22920
1-Chlorohexane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
2,2-Dichloropropane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
2-Butanone	ND (0.0521)		1	08/29/12 12:24	CVH0279	CH22920
2-Chlorotoluene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
2-Hexanone	ND (0.0521)		1	08/29/12 12:24	CVH0279	CH22920
4-Chlorotoluene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
4-Isopropyltoluene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
4-Methyl-2-Pentanone	ND (0.0521)		1	08/29/12 12:24	CVH0279	CH22920
Acetone	ND (0.0521)		1	08/29/12 12:24	CVH0279	CH22920
Benzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Textron Site - Copar - Gravel-1
 Date Sampled: 08/28/12 12:10
 Percent Solids: 96
 Initial Volume: 5
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1208515
 ESS Laboratory Sample ID: 1208515-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Bromochloromethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Bromodichloromethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Bromoform	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Bromomethane	ND (0.0104)		1	08/29/12 12:24	CVH0279	CH22920
Carbon Disulfide	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Carbon Tetrachloride	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Chlorobenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Chloroethane	ND (0.0104)		1	08/29/12 12:24	CVH0279	CH22920
Chloroform	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Chloromethane	ND (0.0104)		1	08/29/12 12:24	CVH0279	CH22920
cis-1,2-Dichloroethene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
cis-1,3-Dichloropropene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Dibromochloromethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Dibromomethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Dichlorodifluoromethane	ND (0.0104)		1	08/29/12 12:24	CVH0279	CH22920
Diethyl Ether	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Di-isopropyl ether	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Ethyl tertiary-butyl ether	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Ethylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Hexachlorobutadiene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Isopropylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Methyl tert-Butyl Ether	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Methylene Chloride	ND (0.0260)		1	08/29/12 12:24	CVH0279	CH22920
Naphthalene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
n-Butylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
n-Propylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
sec-Butylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Styrene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
tert-Butylbenzene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Tertiary-amyl methyl ether	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Textron Site - Copar - Gravel-1
 Date Sampled: 08/28/12 12:10
 Percent Solids: 96
 Initial Volume: 5
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1208515
 ESS Laboratory Sample ID: 1208515-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrachloroethene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Tetrahydrofuran	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Toluene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
trans-1,2-Dichloroethene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
trans-1,3-Dichloropropene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Trichloroethene	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Trichlorofluoromethane	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Vinyl Acetate	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Vinyl Chloride	ND (0.0104)		1	08/29/12 12:24	CVH0279	CH22920
Xylene O	ND (0.0052)		1	08/29/12 12:24	CVH0279	CH22920
Xylene P,M	ND (0.0104)		1	08/29/12 12:24	CVH0279	CH22920
Xylenes (Total)	ND (0.0156)		1	08/29/12 12:24		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	68 %	SC	70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	85 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	89 %		70-130
<i>Surrogate: Toluene-d8</i>	111 %		70-130



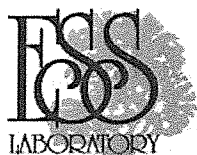
CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Gravel-1
Date Sampled: 08/28/12 12:10
Percent Solids: 96
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1208515
ESS Laboratory Sample ID: 1208515-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/5/12 13:10

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	ND (39.1)		1	09/05/12 23:31	CVI0039	CI20430
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	<i>95 %</i>		<i>40-140</i>			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Gravel-1
Date Sampled: 08/28/12 12:10
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1208515
ESS Laboratory Sample ID: 1208515-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/5/12 15:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
1,2,4-Trichlorobenzene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
1,2-Dichlorobenzene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
1,3-Dichlorobenzene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
1,4-Dichlorobenzene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2,3,4,6-Tetrachlorophenol	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515
2,4,5-Trichlorophenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2,4,6-Trichlorophenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2,4-Dichlorophenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2,4-Dimethylphenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2,4-Dinitrophenol	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515
2,4-Dinitrotoluene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2,6-Dinitrotoluene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2-Chloronaphthalene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2-Chlorophenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2-Methylnaphthalene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2-Methylphenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2-Nitroaniline	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
2-Nitrophenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
3,3'-Dichlorobenzidine	ND (0.719)		1	09/06/12 12:35	CVI0044	CI20515
3+4-Methylphenol	ND (0.719)		1	09/06/12 12:35	CVI0044	CI20515
3-Nitroaniline	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
4,6-Dinitro-2-Methylphenol	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515
4-Bromophenyl-phenylether	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
4-Chloro-3-Methylphenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
4-Chloroaniline	ND (0.719)		1	09/06/12 12:35	CVI0044	CI20515
4-Chloro-phenyl-phenyl ether	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
4-Nitroaniline	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
4-Nitrophenol	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515
Acenaphthene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Acenaphthylene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Gravel-1
Date Sampled: 08/28/12 12:10
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1208515
ESS Laboratory Sample ID: 1208515-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/5/12 15:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.719)		1	09/06/12 12:35	CVI0044	CI20515
Aniline	ND (0.719)		1	09/06/12 12:35	CVI0044	CI20515
Anthracene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Azobenzene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Benzo(a)anthracene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Benzo(a)pyrene	ND (0.180)		1	09/06/12 12:35	CVI0044	CI20515
Benzo(b)fluoranthene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Benzo(g,h,i)perylene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Benzo(k)fluoranthene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Benzoic Acid	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515
Benzyl Alcohol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
bis(2-Chloroethoxy)methane	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
bis(2-Chloroethyl)ether	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
bis(2-chloroisopropyl)Ether	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
bis(2-Ethylhexyl)phthalate	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Butylbenzylphthalate	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Carbazole	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Chrysene	ND (0.180)		1	09/06/12 12:35	CVI0044	CI20515
Dibenzo(a,h)Anthracene	ND (0.180)		1	09/06/12 12:35	CVI0044	CI20515
Dibenzofuran	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Diethylphthalate	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Dimethylphthalate	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Di-n-butylphthalate	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Di-n-octylphthalate	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Fluoranthene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Fluorene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Hexachlorobenzene	ND (0.180)		1	09/06/12 12:35	CVI0044	CI20515
Hexachlorobutadiene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Hexachlorocyclopentadiene	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515
Hexachloroethane	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Indeno(1,2,3-cd)Pyrene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Textron Site - Copar - Gravel-1
 Date Sampled: 08/28/12 12:10
 Percent Solids: 96
 Initial Volume: 14.5
 Final Volume: 0.5
 Extraction Method: 3546

ESS Laboratory Work Order: 1208515
 ESS Laboratory Sample ID: 1208515-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: IBM
 Prepared: 9/5/12 15:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Naphthalene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Nitrobenzene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
N-Nitrosodimethylamine	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
N-Nitroso-Di-n-Propylamine	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
N-nitrosodiphenylamine	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Pentachlorophenol	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515
Phenanthrene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Phenol	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Pyrene	ND (0.359)		1	09/06/12 12:35	CVI0044	CI20515
Pyridine	ND (1.80)		1	09/06/12 12:35	CVI0044	CI20515

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	47 %		30-130
<i>Surrogate: 2,4,6-Tribromophenol</i>	90 %		30-130
<i>Surrogate: 2-Chlorophenol-d4</i>	54 %		30-130
<i>Surrogate: 2-Fluorobiphenyl</i>	48 %		30-130
<i>Surrogate: 2-Fluorophenol</i>	52 %		30-130
<i>Surrogate: Nitrobenzene-d5</i>	45 %		30-130
<i>Surrogate: Phenol-d6</i>	55 %		30-130
<i>Surrogate: p-Terphenyl-d14</i>	72 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CH23113 - 3050B

Blank

Arsenic	ND	2.5	mg/kg wet
Barium	ND	2.5	mg/kg wet
Cadmium	ND	0.50	mg/kg wet
Chromium	ND	1.0	mg/kg wet
Lead	ND	5.0	mg/kg wet
Selenium	ND	5.0	mg/kg wet
Silver	ND	0.50	mg/kg wet

LCS

Arsenic	140	9.1	mg/kg wet	168.0	83	80-120
Barium	179	9.1	mg/kg wet	213.0	84	80-120
Cadmium	92.0	1.83	mg/kg wet	103.0	89	80-120
Chromium	104	3.6	mg/kg wet	119.0	87	80-120
Lead	65.1	18.2	mg/kg wet	76.90	85	80-120
Selenium	108	18.2	mg/kg wet	126.0	86	80-120
Silver	37.0	1.83	mg/kg wet	42.30	88	80-120

LCS Dup

Arsenic	134	9.2	mg/kg wet	168.0	80	80-120	5	20
Barium	176	9.2	mg/kg wet	213.0	83	80-120	2	20
Cadmium	87.1	1.86	mg/kg wet	103.0	85	80-120	5	20
Chromium	101	3.7	mg/kg wet	119.0	85	80-120	3	20
Lead	62.8	18.5	mg/kg wet	76.90	82	80-120	4	20
Selenium	103	18.5	mg/kg wet	126.0	82	80-120	5	20
Silver	36.3	1.86	mg/kg wet	42.30	86	80-120	2	20

Batch CH23122 - 7471A

Blank

Mercury	ND	0.033	mg/kg wet
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LCS

Mercury	27.8	3.14	mg/kg wet	25.10	111	80-120
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LCS Dup

Mercury	29.4	2.96	mg/kg wet	25.10	117	80-120	6	20
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5035/8260B Volatile Organic Compounds / Low Level

Batch CH22920 - 5035

Blank

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet
1,1-Dichloroethane	ND	0.0050	mg/kg wet
1,1-Dichloroethene	ND	0.0050	mg/kg wet
1,1-Dichloropropene	ND	0.0050	mg/kg wet
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CH22920 - 5035

1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.

Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CH22920 - 5035

Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0501		mg/kg wet	0.05000		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.0463		mg/kg wet	0.05000		93	70-130			
Surrogate: Dibromofluoromethane	0.0501		mg/kg wet	0.05000		100	70-130			
Surrogate: Toluene-d8	0.0493		mg/kg wet	0.05000		99	70-130			

LCS

1,1,1,2-Tetrachloroethane	24.6		ug/L	25.00		99	70-130			
1,1,1-Trichloroethane	25.4		ug/L	25.00		102	70-130			
1,1,2,2-Tetrachloroethane	25.0		ug/L	25.00		100	70-130			
1,1,2-Trichloroethane	26.4		ug/L	25.00		106	70-130			
1,1-Dichloroethane	24.7		ug/L	25.00		99	70-130			
1,1-Dichloroethene	24.5		ug/L	25.00		98	70-130			
1,1-Dichloropropene	28.4		ug/L	25.00		114	70-130			
1,2,3-Trichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2,3-Trichloropropane	25.5		ug/L	25.00		102	70-130			
1,2,4-Trichlorobenzene	26.4		ug/L	25.00		106	70-130			
1,2,4-Trimethylbenzene	26.6		ug/L	25.00		106	70-130			
1,2-Dibromo-3-Chloropropane	24.9		ug/L	25.00		100	70-130			
1,2-Dibromoethane	25.6		ug/L	25.00		102	70-130			
1,2-Dichlorobenzene	25.1		ug/L	25.00		100	70-130			
1,2-Dichloroethane	24.1		ug/L	25.00		96	70-130			
1,2-Dichloropropane	28.4		ug/L	25.00		113	70-130			
1,3,5-Trimethylbenzene	26.8		ug/L	25.00		107	70-130			
1,3-Dichlorobenzene	26.0		ug/L	25.00		104	70-130			
1,3-Dichloropropane	25.8		ug/L	25.00		103	70-130			
1,4-Dichlorobenzene	24.8		ug/L	25.00		99	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CH22920 - 5035

1,4-Dioxane	528		ug/L	1000		53	70-130			B-
1-Chlorohexane	27.8		ug/L	25.00		111	70-130			
2,2-Dichloropropane	26.0		ug/L	25.00		104	70-130			
2-Butanone	133		ug/L	125.0		107	70-130			
2-Chlorotoluene	27.0		ug/L	25.00		108	70-130			
2-Hexanone	141		ug/L	125.0		113	70-130			
4-Chlorotoluene	26.9		ug/L	25.00		108	70-130			
4-Isopropyltoluene	24.4		ug/L	25.00		98	70-130			
4-Methyl-2-Pentanone	136		ug/L	125.0		109	70-130			
Acetone	127		ug/L	125.0		101	70-130			
Benzene	28.1		ug/L	25.00		113	70-130			
Bromobenzene	25.7		ug/L	25.00		103	70-130			
Bromochloromethane	24.3		ug/L	25.00		97	70-130			
Bromodichloromethane	26.4		ug/L	25.00		106	70-130			
Bromoform	25.1		ug/L	25.00		100	70-130			
Bromomethane	29.3		ug/L	25.00		117	70-130			
Carbon Disulfide	30.3		ug/L	25.00		121	70-130			
Carbon Tetrachloride	25.2		ug/L	25.00		101	70-130			
Chlorobenzene	26.2		ug/L	25.00		105	70-130			
Chloroethane	24.4		ug/L	25.00		98	70-130			
Chloroform	24.1		ug/L	25.00		96	70-130			
Chloromethane	24.4		ug/L	25.00		97	70-130			
cis-1,2-Dichloroethene	26.2		ug/L	25.00		105	70-130			
cis-1,3-Dichloropropene	27.8		ug/L	25.00		111	70-130			
Dibromochloromethane	24.2		ug/L	25.00		97	70-130			
Dibromomethane	24.2		ug/L	25.00		97	70-130			
Dichlorodifluoromethane	24.9		ug/L	25.00		100	70-130			
Diethyl Ether	23.9		ug/L	25.00		95	70-130			
Di-isopropyl ether	28.4		ug/L	25.00		114	70-130			
Ethyl tertiary-butyl ether	26.9		ug/L	25.00		108	70-130			
Ethylbenzene	27.0		ug/L	25.00		108	70-130			
Hexachlorobutadiene	25.4		ug/L	25.00		102	70-130			
Isopropylbenzene	27.6		ug/L	25.00		110	70-130			
Methyl tert-Butyl Ether	25.8		ug/L	25.00		103	70-130			
Methylene Chloride	26.4		ug/L	25.00		106	70-130			
Naphthalene	26.5		ug/L	25.00		106	70-130			
n-Butylbenzene	27.2		ug/L	25.00		109	70-130			
n-Propylbenzene	27.4		ug/L	25.00		109	70-130			
sec-Butylbenzene	28.0		ug/L	25.00		112	70-130			
Styrene	27.6		ug/L	25.00		111	70-130			
tert-Butylbenzene	26.8		ug/L	25.00		107	70-130			
Tertiary-amyl methyl ether	27.4		ug/L	25.00		109	70-130			
Tetrachloroethene	23.9		ug/L	25.00		96	70-130			
Tetrahydrofuran	27.3		ug/L	25.00		109	70-130			
Toluene	29.6		ug/L	25.00		118	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CH22920 - 5035

trans-1,2-Dichloroethene	25.4		ug/L	25.00		102	70-130			
trans-1,3-Dichloropropene	25.5		ug/L	25.00		102	70-130			
Trichloroethene	27.1		ug/L	25.00		109	70-130			
Trichlorofluoromethane	21.9		ug/L	25.00		88	70-130			
Vinyl Acetate	28.1		ug/L	25.00		112	70-130			
Vinyl Chloride	30.2		ug/L	25.00		121	70-130			
Xylene O	27.6		ug/L	25.00		111	70-130			
Xylene P,M	55.3		ug/L	50.00		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0455		mg/kg wet	0.05000		91	70-130			
Surrogate: 4-Bromofluorobenzene	0.0498		mg/kg wet	0.05000		100	70-130			
Surrogate: Dibromofluoromethane	0.0469		mg/kg wet	0.05000		94	70-130			
Surrogate: Toluene-d8	0.0506		mg/kg wet	0.05000		101	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	24.7		ug/L	25.00		99	70-130	0.3	25	
1,1,1-Trichloroethane	24.0		ug/L	25.00		96	70-130	6	25	
1,1,2,2-Tetrachloroethane	24.0		ug/L	25.00		96	70-130	4	25	
1,1,2-Trichloroethane	25.0		ug/L	25.00		100	70-130	6	25	
1,1-Dichloroethane	21.9		ug/L	25.00		88	70-130	12	25	
1,1-Dichloroethene	23.0		ug/L	25.00		92	70-130	6	25	
1,1-Dichloropropene	25.8		ug/L	25.00		103	70-130	10	25	
1,2,3-Trichlorobenzene	25.6		ug/L	25.00		102	70-130	4	25	
1,2,3-Trichloropropane	24.3		ug/L	25.00		97	70-130	5	25	
1,2,4-Trichlorobenzene	26.9		ug/L	25.00		108	70-130	2	25	
1,2,4-Trimethylbenzene	26.2		ug/L	25.00		105	70-130	1	25	
1,2-Dibromo-3-Chloropropane	23.8		ug/L	25.00		95	70-130	5	25	
1,2-Dibromoethane	25.7		ug/L	25.00		103	70-130	0.5	25	
1,2-Dichlorobenzene	25.1		ug/L	25.00		100	70-130	0.1	25	
1,2-Dichloroethane	22.5		ug/L	25.00		90	70-130	7	25	
1,2-Dichloropropane	25.5		ug/L	25.00		102	70-130	11	25	
1,3,5-Trimethylbenzene	26.4		ug/L	25.00		106	70-130	2	25	
1,3-Dichlorobenzene	25.1		ug/L	25.00		100	70-130	3	25	
1,3-Dichloropropane	25.4		ug/L	25.00		101	70-130	2	25	
1,4-Dichlorobenzene	23.8		ug/L	25.00		95	70-130	4	25	
1,4-Dioxane	484		ug/L	1000		48	70-130	9	20	B-
1-Chlorohexane	27.1		ug/L	25.00		109	70-130	2	25	
2,2-Dichloropropane	25.3		ug/L	25.00		101	70-130	3	25	
2-Butanone	135		ug/L	125.0		108	70-130	2	25	
2-Chlorotoluene	26.0		ug/L	25.00		104	70-130	4	25	
2-Hexanone	150		ug/L	125.0		120	70-130	6	25	
4-Chlorotoluene	25.8		ug/L	25.00		103	70-130	4	25	
4-Isopropyltoluene	23.4		ug/L	25.00		94	70-130	4	25	
4-Methyl-2-Pentanone	133		ug/L	125.0		107	70-130	2	25	
Acetone	161		ug/L	125.0		129	70-130	24	25	
Benzene	26.0		ug/L	25.00		104	70-130	8	25	
Bromobenzene	24.8		ug/L	25.00		99	70-130	3	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CH22920 - 5035

Bromochloromethane	23.0		ug/L	25.00		92	70-130	5	25	
Bromodichloromethane	25.1		ug/L	25.00		100	70-130	5	25	
Bromoform	25.2		ug/L	25.00		101	70-130	0.4	25	
Bromomethane	27.7		ug/L	25.00		111	70-130	6	25	
Carbon Disulfide	27.9		ug/L	25.00		112	70-130	8	25	
Carbon Tetrachloride	23.3		ug/L	25.00		93	70-130	8	25	
Chlorobenzene	26.4		ug/L	25.00		106	70-130	0.6	25	
Chloroethane	22.9		ug/L	25.00		92	70-130	6	25	
Chloroform	22.7		ug/L	25.00		91	70-130	6	25	
Chloromethane	22.8		ug/L	25.00		91	70-130	6	25	
cis-1,2-Dichloroethene	24.2		ug/L	25.00		97	70-130	8	25	
cis-1,3-Dichloropropene	27.0		ug/L	25.00		108	70-130	3	25	
Dibromochloromethane	24.5		ug/L	25.00		98	70-130	1	25	
Dibromomethane	23.0		ug/L	25.00		92	70-130	5	25	
Dichlorodifluoromethane	22.6		ug/L	25.00		90	70-130	10	25	
Diethyl Ether	21.7		ug/L	25.00		87	70-130	9	25	
Di-isopropyl ether	27.0		ug/L	25.00		108	70-130	5	25	
Ethyl tertiary-butyl ether	25.2		ug/L	25.00		101	70-130	6	25	
Ethylbenzene	27.5		ug/L	25.00		110	70-130	2	25	
Hexachlorobutadiene	25.7		ug/L	25.00		103	70-130	1	25	
Isopropylbenzene	26.6		ug/L	25.00		107	70-130	4	25	
Methyl tert-Butyl Ether	24.4		ug/L	25.00		98	70-130	6	25	
Methylene Chloride	21.7		ug/L	25.00		87	70-130	19	25	
Naphthalene	26.2		ug/L	25.00		105	70-130	1	25	
n-Butylbenzene	26.7		ug/L	25.00		107	70-130	2	25	
n-Propylbenzene	27.1		ug/L	25.00		108	70-130	1	25	
sec-Butylbenzene	26.1		ug/L	25.00		104	70-130	7	25	
Styrene	28.2		ug/L	25.00		113	70-130	2	25	
tert-Butylbenzene	25.5		ug/L	25.00		102	70-130	5	25	
Tertiary-amyl methyl ether	26.3		ug/L	25.00		105	70-130	4	25	
Tetrachloroethene	23.4		ug/L	25.00		94	70-130	2	25	
Tetrahydrofuran	26.1		ug/L	25.00		104	70-130	5	25	
Toluene	27.3		ug/L	25.00		109	70-130	8	25	
trans-1,2-Dichloroethene	23.4		ug/L	25.00		94	70-130	8	25	
trans-1,3-Dichloropropene	24.2		ug/L	25.00		97	70-130	5	25	
Trichloroethene	25.4		ug/L	25.00		102	70-130	7	25	
Trichlorofluoromethane	20.3		ug/L	25.00		81	70-130	8	25	
Vinyl Acetate	26.6		ug/L	25.00		106	70-130	6	25	
Vinyl Chloride	28.5		ug/L	25.00		114	70-130	5	25	
Xylene O	28.2		ug/L	25.00		113	70-130	2	25	
Xylene P,M	57.6		ug/L	50.00		115	70-130	4	25	
Surrogate: 1,2-Dichloroethane-d4	0.0431		mg/kg wet	0.05000		86	70-130			
Surrogate: 4-Bromofluorobenzene	0.0521		mg/kg wet	0.05000		104	70-130			
Surrogate: Dibromofluoromethane	0.0449		mg/kg wet	0.05000		90	70-130			
Surrogate: Toluene-d8	0.0518		mg/kg wet	0.05000		104	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
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ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CI20430 - 3546

Blank

Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacotane (C30)	ND	0.2	mg/kg wet							

Surrogate: O-Terphenyl 5.03 mg/kg wet 5.000 101 40-140

LCS

Decane (C10)	1.8	0.2	mg/kg wet	2.500	73	40-140				
Docosane (C22)	2.8	0.2	mg/kg wet	2.500	110	40-140				
Dodecane (C12)	1.9	0.2	mg/kg wet	2.500	78	40-140				
Eicosane (C20)	2.7	0.2	mg/kg wet	2.500	109	40-140				
Hexacosane (C26)	2.7	0.2	mg/kg wet	2.500	109	40-140				
Hexadecane (C16)	2.4	0.2	mg/kg wet	2.500	97	40-140				
Nonadecane (C19)	2.6	0.2	mg/kg wet	2.500	104	40-140				
Nonane (C9)	1.6	0.2	mg/kg wet	2.500	62	30-140				
Octacosane (C28)	2.7	0.2	mg/kg wet	2.500	108	40-140				
Octadecane (C18)	2.6	0.2	mg/kg wet	2.500	105	40-140				
Tetracosane (C24)	2.8	0.2	mg/kg wet	2.500	110	40-140				
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500	79	40-140				
Total Petroleum Hydrocarbons	36.1	37.5	mg/kg wet	35.00	103	40-140				
Triacotane (C30)	2.7	0.2	mg/kg wet	2.500	107	40-140				

Surrogate: O-Terphenyl 4.73 mg/kg wet 5.000 95 40-140

LCS Dup

Decane (C10)	2.3	0.2	mg/kg wet	2.500	91	40-140	23	50		
Docosane (C22)	3.0	0.2	mg/kg wet	2.500	119	40-140	8	50		
Dodecane (C12)	2.5	0.2	mg/kg wet	2.500	98	40-140	24	50		
Eicosane (C20)	3.0	0.2	mg/kg wet	2.500	119	40-140	9	50		
Hexacosane (C26)	3.0	0.2	mg/kg wet	2.500	119	40-140	8	50		
Hexadecane (C16)	2.9	0.2	mg/kg wet	2.500	117	40-140	19	50		
Nonadecane (C19)	2.8	0.2	mg/kg wet	2.500	112	40-140	7	50		
Nonane (C9)	2.0	0.2	mg/kg wet	2.500	80	30-140	26	50		
Octacosane (C28)	2.9	0.2	mg/kg wet	2.500	118	40-140	9	50		
Octadecane (C18)	3.0	0.2	mg/kg wet	2.500	120	40-140	13	50		



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CI20430 - 3546

Tetracosane (C24)	3.0	0.2	mg/kg wet	2.500		120	40-140	8	50	
Tetradecane (C14)	2.5	0.2	mg/kg wet	2.500		101	40-140	23	50	
Total Petroleum Hydrocarbons	41.0	37.5	mg/kg wet	35.00		117	40-140	13	50	
Triacotane (C30)	2.9	0.2	mg/kg wet	2.500		117	40-140	9	50	

Surrogate: O-Terphenyl 5.39 mg/kg wet 5.000 108 40-140

8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Blank

1,1-Biphenyl	ND	0.333	mg/kg wet
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet
1,2-Dichlorobenzene	ND	0.333	mg/kg wet
1,3-Dichlorobenzene	ND	0.333	mg/kg wet
1,4-Dichlorobenzene	ND	0.333	mg/kg wet
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet
2,4-Dichlorophenol	ND	0.333	mg/kg wet
2,4-Dimethylphenol	ND	0.333	mg/kg wet
2,4-Dinitrophenol	ND	1.67	mg/kg wet
2,4-Dinitrotoluene	ND	0.333	mg/kg wet
2,6-Dinitrotoluene	ND	0.333	mg/kg wet
2-Chloronaphthalene	ND	0.333	mg/kg wet
2-Chlorophenol	ND	0.333	mg/kg wet
2-Methylnaphthalene	ND	0.333	mg/kg wet
2-Methylphenol	ND	0.333	mg/kg wet
2-Nitroaniline	ND	0.333	mg/kg wet
2-Nitrophenol	ND	0.333	mg/kg wet
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet
3+4-Methylphenol	ND	0.667	mg/kg wet
3-Nitroaniline	ND	0.333	mg/kg wet
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet
4-Chloroaniline	ND	0.667	mg/kg wet
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet
4-Nitroaniline	ND	0.333	mg/kg wet
4-Nitrophenol	ND	1.67	mg/kg wet
Acenaphthene	ND	0.333	mg/kg wet
Acenaphthylene	ND	0.333	mg/kg wet
Acetophenone	ND	0.667	mg/kg wet
Aniline	ND	0.667	mg/kg wet
Anthracene	ND	0.333	mg/kg wet
Azobenzene	ND	0.333	mg/kg wet



CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.00		mg/kg wet	3.333		60	30-130			
Surrogate: 2,4,6-Tribromophenol	4.70		mg/kg wet	5.000		94	30-130			
Surrogate: 2-Chlorophenol-d4	3.37		mg/kg wet	5.000		67	30-130			
Surrogate: 2-Fluorobiphenyl	1.87		mg/kg wet	3.333		56	30-130			
Surrogate: 2-Fluorophenol	3.25		mg/kg wet	5.000		65	30-130			
Surrogate: Nitrobenzene-d5	1.87		mg/kg wet	3.333		56	30-130			
Surrogate: Phenol-d6	3.42		mg/kg wet	5.000		68	30-130			
Surrogate: p-Terphenyl-d14	2.46		mg/kg wet	3.333		74	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch **CI20515 - 3546**

LCS										
1,1-Biphenyl	1.80	0.333	mg/kg wet	3.333		54	40-140			
1,2,4-Trichlorobenzene	1.74	0.333	mg/kg wet	3.333		52	40-140			
1,2-Dichlorobenzene	1.73	0.333	mg/kg wet	3.333		52	40-140			
1,3-Dichlorobenzene	1.76	0.333	mg/kg wet	3.333		53	40-140			
1,4-Dichlorobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140			
2,3,4,6-Tetrachlorophenol	2.78	1.67	mg/kg wet	3.333		84	30-130			
2,4,5-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.25	0.333	mg/kg wet	3.333		67	30-130			
2,4-Dichlorophenol	1.91	0.333	mg/kg wet	3.333		57	30-130			
2,4-Dimethylphenol	1.92	0.333	mg/kg wet	3.333		58	30-130			
2,4-Dinitrophenol	2.29	1.67	mg/kg wet	3.333		69	30-130			
2,4-Dinitrotoluene	2.60	0.333	mg/kg wet	3.333		78	40-140			
2,6-Dinitrotoluene	2.52	0.333	mg/kg wet	3.333		76	40-140			
2-Chloronaphthalene	1.66	0.333	mg/kg wet	3.333		50	40-140			
2-Chlorophenol	1.68	0.333	mg/kg wet	3.333		50	30-130			
2-Methylnaphthalene	1.82	0.333	mg/kg wet	3.333		55	40-140			
2-Methylphenol	1.71	0.333	mg/kg wet	3.333		51	30-130			
2-Nitroaniline	1.85	0.333	mg/kg wet	3.333		55	40-140			
2-Nitrophenol	1.90	0.333	mg/kg wet	3.333		57	30-130			
3,3'-Dichlorobenzidine	2.54	0.667	mg/kg wet	3.333		76	40-140			
3+4-Methylphenol	2.57	0.667	mg/kg wet	6.667		39	30-130			
3-Nitroaniline	2.42	0.333	mg/kg wet	3.333		72	40-140			
4,6-Dinitro-2-Methylphenol	2.89	1.67	mg/kg wet	3.333		87	30-130			
4-Bromophenyl-phenylether	2.83	0.333	mg/kg wet	3.333		85	40-140			
4-Chloro-3-Methylphenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
4-Chloroaniline	1.69	0.667	mg/kg wet	3.333		51	40-140			
4-Chloro-phenyl-phenyl ether	2.16	0.333	mg/kg wet	3.333		65	40-140			
4-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140			
4-Nitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.06	0.333	mg/kg wet	3.333		62	40-140			
Acenaphthylene	1.92	0.333	mg/kg wet	3.333		58	40-140			
Acetophenone	1.38	0.667	mg/kg wet	3.333		41	40-140			
Aniline	1.45	0.667	mg/kg wet	3.333		43	40-140			
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140			
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)pyrene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Benzo(b)fluoranthene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Benzo(g,h,i)perylene	3.29	0.333	mg/kg wet	3.333		99	40-140			
Benzo(k)fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Benzoic Acid	2.63	1.67	mg/kg wet	3.333		79	40-140			
Benzyl Alcohol	1.59	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethoxy)methane	1.62	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethyl)ether	1.49	0.333	mg/kg wet	3.333		45	40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

bis(2-chloroisopropyl)Ether	1.62	0.333	mg/kg wet	3.333		49	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Carbazole	2.60	0.333	mg/kg wet	3.333		78	40-140			
Chrysene	2.95	0.167	mg/kg wet	3.333		89	40-140			
Dibenzo(a,h)Anthracene	3.39	0.167	mg/kg wet	3.333		102	40-140			
Dibenzofuran	2.02	0.333	mg/kg wet	3.333		61	40-140			
Diethylphthalate	2.44	0.333	mg/kg wet	3.333		73	40-140			
Dimethylphthalate	2.39	0.333	mg/kg wet	3.333		72	40-140			
Di-n-butylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Fluorene	2.25	0.333	mg/kg wet	3.333		68	40-140			
Hexachlorobenzene	2.96	0.167	mg/kg wet	3.333		89	40-140			
Hexachlorobutadiene	1.92	0.333	mg/kg wet	3.333		58	40-140			
Hexachlorocyclopentadiene	1.93	1.67	mg/kg wet	3.333		58	40-140			
Hexachloroethane	1.69	0.333	mg/kg wet	3.333		51	40-140			
Indeno(1,2,3-cd)Pyrene	3.31	0.333	mg/kg wet	3.333		99	40-140			
Isophorone	1.65	0.333	mg/kg wet	3.333		49	40-140			
Naphthalene	1.73	0.333	mg/kg wet	3.333		52	40-140			
Nitrobenzene	1.69	0.333	mg/kg wet	3.333		51	40-140			
N-Nitrosodimethylamine	1.47	0.333	mg/kg wet	3.333		44	40-140			
N-Nitroso-Di-n-Propylamine	1.26	0.333	mg/kg wet	3.333		38	40-140			B-
N-nitrosodiphenylamine	2.71	0.333	mg/kg wet	3.333		81	40-140			
Pentachlorophenol	3.09	1.67	mg/kg wet	3.333		93	30-130			
Phenanthrene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Phenol	1.50	0.333	mg/kg wet	3.333		45	30-130			
Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Pyridine	1.20	1.67	mg/kg wet	3.333		36	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	1.48		mg/kg wet	3.333		44	30-130			
Surrogate: 2,4,6-Tribromophenol	5.10		mg/kg wet	5.000		102	30-130			
Surrogate: 2-Chlorophenol-d4	2.60		mg/kg wet	5.000		52	30-130			
Surrogate: 2-Fluorobiphenyl	1.51		mg/kg wet	3.333		45	30-130			
Surrogate: 2-Fluorophenol	2.48		mg/kg wet	5.000		50	30-130			
Surrogate: Nitrobenzene-d5	1.39		mg/kg wet	3.333		42	30-130			
Surrogate: Phenol-d6	2.64		mg/kg wet	5.000		53	30-130			
Surrogate: p-Terphenyl-d14	2.53		mg/kg wet	3.333		76	30-130			

LCS Dup

1,1-Biphenyl	2.33	0.333	mg/kg wet	3.333		70	40-140	26	30	
1,2,4-Trichlorobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140	31	30	D+
1,2-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		69	40-140	27	30	
1,3-Dichlorobenzene	2.34	0.333	mg/kg wet	3.333		70	40-140	29	30	
1,4-Dichlorobenzene	2.25	0.333	mg/kg wet	3.333		68	40-140	28	30	
2,3,4,6-Tetrachlorophenol	2.99	1.67	mg/kg wet	3.333		90	30-130	7	30	
2,4,5-Trichlorophenol	2.93	0.333	mg/kg wet	3.333		88	30-130	16	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

2,4,6-Trichlorophenol	2.81	0.333	mg/kg wet	3.333		84	30-130	22	30	
2,4-Dichlorophenol	2.65	0.333	mg/kg wet	3.333		79	30-130	32	30	D+
2,4-Dimethylphenol	2.63	0.333	mg/kg wet	3.333		79	30-130	31	30	D+
2,4-Dinitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130	11	30	
2,4-Dinitrotoluene	2.70	0.333	mg/kg wet	3.333		81	40-140	4	30	
2,6-Dinitrotoluene	2.80	0.333	mg/kg wet	3.333		84	40-140	10	30	
2-Chloronaphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	27	30	
2-Chlorophenol	2.26	0.333	mg/kg wet	3.333		68	30-130	30	30	
2-Methylnaphthalene	2.41	0.333	mg/kg wet	3.333		72	40-140	28	30	
2-Methylphenol	2.30	0.333	mg/kg wet	3.333		69	30-130	30	30	
2-Nitroaniline	2.12	0.333	mg/kg wet	3.333		64	40-140	14	30	
2-Nitrophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	35	30	D+
3,3'-Dichlorobenzidine	2.57	0.667	mg/kg wet	3.333		77	40-140	1	30	
3+4-Methylphenol	3.01	0.667	mg/kg wet	6.667		45	30-130	16	30	
3-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140	7	30	
4,6-Dinitro-2-Methylphenol	2.96	1.67	mg/kg wet	3.333		89	30-130	3	30	
4-Bromophenyl-phenylether	3.10	0.333	mg/kg wet	3.333		93	40-140	9	30	
4-Chloro-3-Methylphenol	2.81	0.333	mg/kg wet	3.333		84	30-130	21	30	
4-Chloroaniline	2.20	0.667	mg/kg wet	3.333		66	40-140	26	30	
4-Chloro-phenyl-phenyl ether	2.51	0.333	mg/kg wet	3.333		75	40-140	15	30	
4-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140	2	30	
4-Nitrophenol	2.41	1.67	mg/kg wet	3.333		72	30-130	3	30	
Acenaphthene	2.52	0.333	mg/kg wet	3.333		76	40-140	20	30	
Acenaphthylene	2.35	0.333	mg/kg wet	3.333		70	40-140	20	30	
Acetophenone	1.70	0.667	mg/kg wet	3.333		51	40-140	20	30	
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140	23	30	
Anthracene	2.76	0.333	mg/kg wet	3.333		83	40-140	2	30	
Azobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140	8	30	
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140	0.2	30	
Benzo(a)pyrene	2.84	0.167	mg/kg wet	3.333		85	40-140	0.7	30	
Benzo(b)fluoranthene	3.03	0.333	mg/kg wet	3.333		91	40-140	0.7	30	
Benzo(g,h,i)perylene	3.22	0.333	mg/kg wet	3.333		97	40-140	2	30	
Benzo(k)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140	2	30	
Benzoic Acid	3.20	1.67	mg/kg wet	3.333		96	40-140	20	30	
Benzyl Alcohol	2.07	0.333	mg/kg wet	3.333		62	40-140	26	30	
bis(2-Chloroethoxy)methane	2.13	0.333	mg/kg wet	3.333		64	40-140	28	30	
bis(2-Chloroethyl)ether	2.04	0.333	mg/kg wet	3.333		61	40-140	31	30	D+
bis(2-chloroisopropyl)Ether	2.18	0.333	mg/kg wet	3.333		66	40-140	30	30	
bis(2-Ethylhexyl)phthalate	2.82	0.333	mg/kg wet	3.333		85	40-140	1	30	
Butylbenzylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140	0.1	30	
Carbazole	2.61	0.333	mg/kg wet	3.333		78	40-140	0.6	30	
Chrysene	2.97	0.167	mg/kg wet	3.333		89	40-140	0.6	30	
Dibenzo(a,h)Anthracene	3.35	0.167	mg/kg wet	3.333		101	40-140	1	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	17	30	
Diethylphthalate	2.63	0.333	mg/kg wet	3.333		79	40-140	7	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch **CI20515 - 3546**

Dimethylphthalate	2.67	0.333	mg/kg wet	3.333		80	40-140	11	30	
Di-n-butylphthalate	2.57	0.333	mg/kg wet	3.333		77	40-140	2	30	
Di-n-octylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140	2	30	
Fluoranthene	2.56	0.333	mg/kg wet	3.333		77	40-140	0.4	30	
Fluorene	2.56	0.333	mg/kg wet	3.333		77	40-140	13	30	
Hexachlorobenzene	3.13	0.167	mg/kg wet	3.333		94	40-140	6	30	
Hexachlorobutadiene	2.64	0.333	mg/kg wet	3.333		79	40-140	32	30	D+
Hexachlorocyclopentadiene	2.62	1.67	mg/kg wet	3.333		79	40-140	30	30	
Hexachloroethane	2.32	0.333	mg/kg wet	3.333		70	40-140	31	30	D+
Indeno(1,2,3-cd)Pyrene	3.25	0.333	mg/kg wet	3.333		98	40-140	2	30	
Isophorone	2.18	0.333	mg/kg wet	3.333		65	40-140	28	30	
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	29	30	
Nitrobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140	29	30	
N-Nitrosodimethylamine	1.90	0.333	mg/kg wet	3.333		57	40-140	25	30	
N-Nitroso-Di-n-Propylamine	1.56	0.333	mg/kg wet	3.333		47	40-140	21	30	
N-nitrosodiphenylamine	2.85	0.333	mg/kg wet	3.333		86	40-140	5	30	
Pentachlorophenol	3.24	1.67	mg/kg wet	3.333		97	30-130	5	30	
Phenanthrene	2.75	0.333	mg/kg wet	3.333		82	40-140	3	30	
Phenol	1.91	0.333	mg/kg wet	3.333		57	30-130	24	30	
Pyrene	3.02	0.333	mg/kg wet	3.333		91	40-140	2	30	
Pyridine	1.41	1.67	mg/kg wet	3.333		42	40-140	16	30	
Surrogate: 1,2-Dichlorobenzene-d4	1.86		mg/kg wet	3.333		56	30-130			
Surrogate: 2,4,6-Tribromophenol	5.22		mg/kg wet	5.000		104	30-130			
Surrogate: 2-Chlorophenol-d4	3.40		mg/kg wet	5.000		68	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/kg wet	3.333		58	30-130			
Surrogate: 2-Fluorophenol	3.21		mg/kg wet	5.000		64	30-130			
Surrogate: Nitrobenzene-d5	1.83		mg/kg wet	3.333		55	30-130			
Surrogate: Phenol-d6	3.36		mg/kg wet	5.000		67	30-130			
Surrogate: p-Terphenyl-d14	2.46		mg/kg wet	3.333		74	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

Notes and Definitions

- U Analyte included in the analysis, but not detected
- SC Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results (SC).
- ICV Initial Calibration Verification recovery is outside of control limit (ICV).
- D+ Relative percent difference for duplicate is outside of criteria (D+).
- D Diluted.
- C+ Continuing Calibration recovery is above upper control limit (C+).
- B- Blank Spike recovery is below lower control limit (B-).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1208515

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01

<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002

http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301

http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01

Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)

<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141

Lead Paint, Lead in Children's Metals Jewelry

<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: ET & L
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12080515
Date Project Due: 9/4/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|--|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> * Yes |
| <u>Cooler Temp: 1.6</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <u>Iced With: Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: <u>01</u> | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: <u>CTS</u> | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: <u>Sieve Analysis</u> | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: <u>Std.</u> | |

18. Was there need to call project manager to discuss status? If yes, please explain.

LOW levels frozen 8/28/12 @ 1530
JK

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	1	MeOH
1	Yes	40 ml - VOA	2	other
1	Yes	8 oz Soil Jar	3	NP
1	Yes	Plastic Bag	1	NP

Completed By: JK
Reviewed By: old

Date/Time: 8/28/12
Date/Time: 8/28/12

ESS Laboratory

Division of Thielsch Engineering, Inc.

106 South Street, Hopkinton, MA 01748
 Tel. (508) 435-9244 Fax (508) 435-9912
 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1208515 1208415 OK 8/28/12

Turn Time Standard Other _____

Regulatory State: MA RI CT NH NJ NY ME Other _____

Is this project for any of the following:(please circle)
 MA-MCP Navy USACE CT DEP Other _____

Reporting Limits - _____

Electronic Deliverables Excel Access PDF

Co. Name E.T. & L CORP

Project # CTS-74-12-0003.13J

Project Name TEXTRAD SITE

Contact Person JAY / MATT Palsky

Proj. Location PROVIDENCE RI

Address 873 GREAT ROAD

City, State STON, MA

Zip 01775

PO # _____

Tel. _____

Fax. _____

email: _____

Analysis	VOC	SVOC	TPH	R.B. METALS	SICUR ANALYSIS	Other Analysis														
						1	2	3	4	5	6	7	8	9	10	11	12			
	X	X	X	X	X															

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container
01	8/28/12	12:10 P.M.	G	SOLID	COPAR-GRAVEL-#1	1,6	6	G/V	

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present Yes No Internal Use Only

Seals Intact Yes No NA: [] Pickup

Cooler Temperature: 11.011 [] Technician _____

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

Sampled by: _____

Comments: QUESTIONS TO MATT Palsky

Relinquished by: (Signature, Date & Time)
Jay Ballou 8/28/12 3pm

Received by: (Signature, Date & Time)
Kevin 8/28/12 1500

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges sampels were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody
Report Method Blank & Laboratory Control Sample Results

1 (White) Lab Copy
 2 (Yellow) Client Receipt

LABORATORY TESTING DATA SHEET

Matthew Polsky

Project Name Textron Site
 Project No. CTS-74-12-0003.13J
 Project Manager M. Polsky

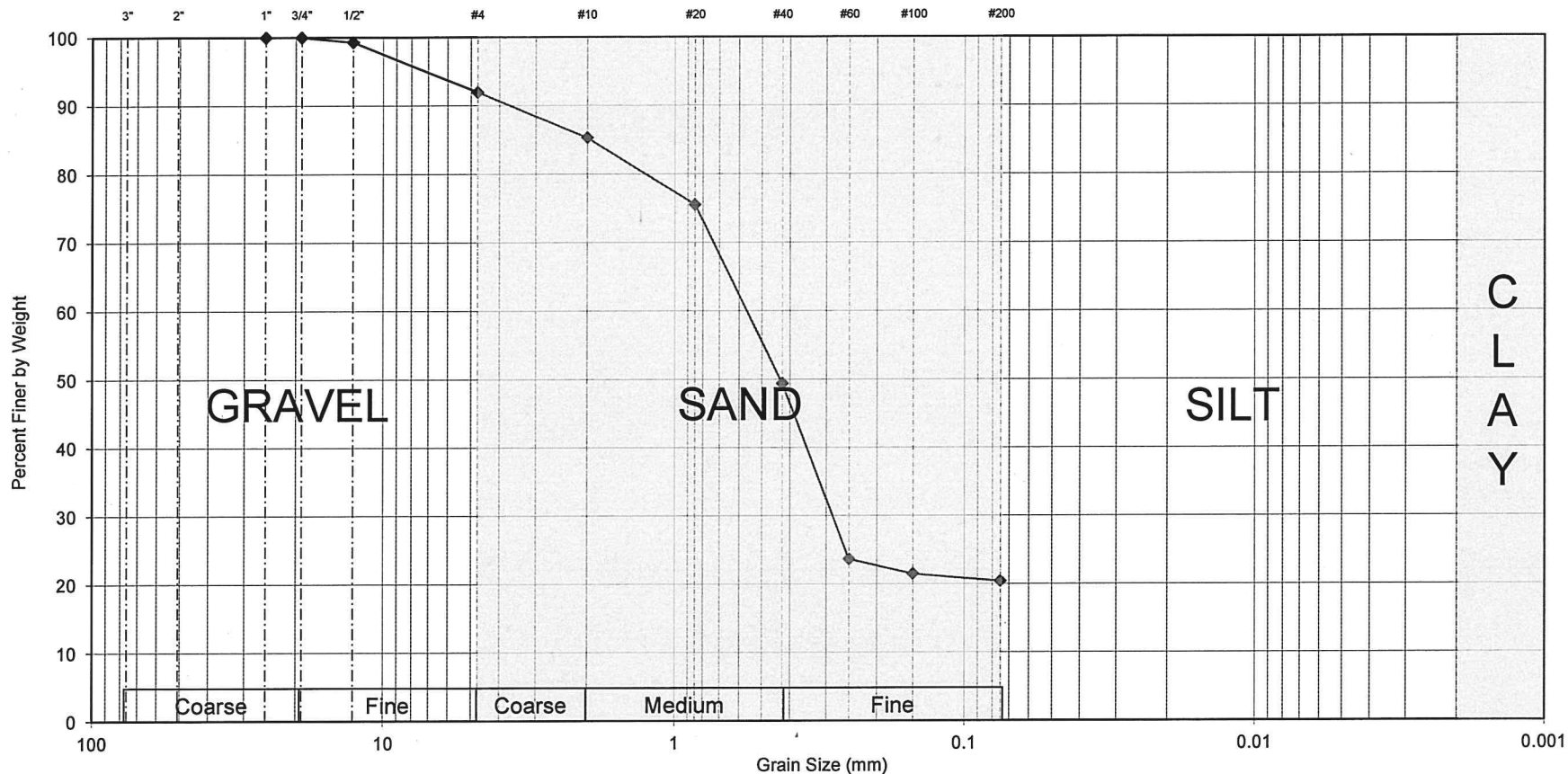
Project Location Providence, RI
 Assigned By J. Balboni
 Report Date 9/4/12

Reviewed By _____
 Date Reviewed 9/4/12

Source	Material	Lab No.	Identification Tests								Density		Strength Tests					Laboratory Log and Soil Description
			Water Content %	LL %	PL %	Sieve -200 %	Hyd -2 μ %	ORG %	Perm. % of Proctor	Dry unit wt. pcf	γ_d MAX (pcf) W _{opt} (%)	Permeability cm/sec	Torvane or Type Test	$\bar{\sigma}_c$ psi	Failure Criteria	pH	$\sigma_1 - \sigma_3$ or τ psf	
Copar	Loam	259				20		6.8								4.59		Brown Silty Sand (SM)



U.S. STANDARD SIEVE AND HYDROMETER



Gravel
8.0%

Sand
71.6%

Fines
20.4%

Lab #	Source	Material	Sample Date	Description	WC	LL	PL	PI
259	Copar	Loam	8/28/12	Brown Silty Sand (SM)				

Sieve Size	% Passing
3/4"	100.0
1/2"	99.3
#4	92.0
#10	85.3
#20	75.5
#40	49.4
#60	23.7
#100	21.5
#200	20.4



Textron Site
 Providence, RI
 Thielsch CTS File # 74-12-0003.13J
 Tested by: GG Date: 8/30/12
 Reviewed by: MBP Date: 8/30/12



CERTIFICATE OF ANALYSIS

Matt Polsky
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910

RE: ET and L Corp (CTS-74-12-0003.13J)
ESS Laboratory Work Order Number: 1209025

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 11:54 am, Sep 12, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

SAMPLE RECEIPT

The following samples were received on September 05, 2012 for the analyses specified on the enclosed Chain of Custody Record.

These samples were originally received on hold on August 28, 2012.

Lab Number	SampleName	Matrix	Analysis
1209025-01	Textron Site - Copar - Loam-1	Solid	6010B, 7471A, 8100M, 8260B Low, 8270C

CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Low Level

- CI20504-BS1 **Blank Spike recovery is below lower control limit (B-).**
1,4-Dioxane (52% @ 70-130%), Methylene Chloride (48% @ 70-130%)
- CI20504-BSD1 **Blank Spike recovery is above upper control limit (B+).**
Acetone (144% @ 70-130%)
- CI20504-BSD1 **Blank Spike recovery is below lower control limit (B-).**
1,4-Dioxane (47% @ 70-130%)
- CI20504-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
Methylene Chloride (65%)

8270C Semi-Volatile Organic Compounds

- CI20515-BS1 **Blank Spike recovery is below lower control limit (B-).**
N-Nitroso-Di-n-Propylamine (38% @ 40-140%), Pyridine (36% @ 40-140%)
- CI20515-BSD1 **Relative percent difference for duplicate is outside of criteria (D+).**
1,2,4-Trichlorobenzene (31%), 2,4-Dichlorophenol (32%), 2,4-Dimethylphenol (31%), 2-Nitrophenol (35%), bis(2-Chloroethyl)ether (31%), Hexachlorobutadiene (32%), Hexachloroethane (31%)
- CVI0044-CCV1 **Initial Calibration Verification recovery is outside of control limit (ICV).**
2-Nitroaniline , Hexachlorocyclopentadiene
- CVI0052-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (112% @ 70-130%), Benzoic Acid (237% @ 70-130%)
- CVI0052-CCV1 **Initial Calibration Verification recovery is outside of control limit (ICV).**
Benzo(g,h,i)perylene , Benzoic Acid , Dibenzo(a,h)Anthracene , Hexachlorocyclopentadiene ,
Indeno(1,2,3-cd)Pyrene

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Loam-1
Date Sampled: 08/28/12 13:00
Percent Solids: 87

ESS Laboratory Work Order: 1209025
ESS Laboratory Sample ID: 1209025-01
Sample Matrix: Solid
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	3.3 (2.5)	6010B		1	SVD	09/06/12 19:56	2.34	100	CI20429
Barium	15.7 (2.5)	6010B		1	SVD	09/06/12 19:56	2.34	100	CI20429
Cadmium	ND (0.49)	6010B		1	SVD	09/06/12 19:56	2.34	100	CI20429
Chromium	4.2 (1.0)	6010B		1	SVD	09/06/12 19:56	2.34	100	CI20429
Lead	9.4 (4.9)	6010B		1	SVD	09/06/12 19:56	2.34	100	CI20429
Mercury	0.060 (0.034)	7471A		1	LLZ	09/05/12 16:31	0.66	40	CI20432
Selenium	ND (4.9)	6010B		1	SVD	09/06/12 19:56	2.34	100	CI20429
Silver	ND (0.49)	6010B		1	SVD	09/06/12 19:56	2.34	100	CI20429



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Textron Site - Copar - Loam-1
 Date Sampled: 08/28/12 13:00
 Percent Solids: 87
 Initial Volume: 6.5
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1209025
 ESS Laboratory Sample ID: 1209025-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: VAC

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,1,1-Trichloroethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,1,2,2-Tetrachloroethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,1,2-Trichloroethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,1-Dichloroethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,1-Dichloroethene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,1-Dichloropropene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2,3-Trichlorobenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2,3-Trichloropropane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2,4-Trichlorobenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2,4-Trimethylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2-Dibromo-3-Chloropropane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2-Dibromoethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2-Dichlorobenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2-Dichloroethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,2-Dichloropropane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,3,5-Trimethylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,3-Dichlorobenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,3-Dichloropropane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,4-Dichlorobenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
1,4-Dioxane	ND (0.0884)		1	09/05/12 20:48	CVI0026	CI20504
1-Chlorohexane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
2,2-Dichloropropane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
2-Butanone	ND (0.0442)		1	09/05/12 20:48	CVI0026	CI20504
2-Chlorotoluene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
2-Hexanone	ND (0.0442)		1	09/05/12 20:48	CVI0026	CI20504
4-Chlorotoluene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
4-Isopropyltoluene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
4-Methyl-2-Pentanone	ND (0.0442)		1	09/05/12 20:48	CVI0026	CI20504
Acetone	ND (0.0442)		1	09/05/12 20:48	CVI0026	CI20504
Benzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Textron Site - Copar - Loam-1
 Date Sampled: 08/28/12 13:00
 Percent Solids: 87
 Initial Volume: 6.5
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1209025
 ESS Laboratory Sample ID: 1209025-01
 Sample Matrix: Solid
 Units: mg/kg dry
 Analyst: VAC

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Bromochloromethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Bromodichloromethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Bromoform	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Bromomethane	ND (0.0088)		1	09/05/12 20:48	CVI0026	CI20504
Carbon Disulfide	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Carbon Tetrachloride	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Chlorobenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Chloroethane	ND (0.0088)		1	09/05/12 20:48	CVI0026	CI20504
Chloroform	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Chloromethane	ND (0.0088)		1	09/05/12 20:48	CVI0026	CI20504
cis-1,2-Dichloroethene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
cis-1,3-Dichloropropene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Dibromochloromethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Dibromomethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Dichlorodifluoromethane	ND (0.0088)		1	09/05/12 20:48	CVI0026	CI20504
Diethyl Ether	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Di-isopropyl ether	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Ethyl tertiary-butyl ether	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Ethylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Hexachlorobutadiene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Isopropylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Methyl tert-Butyl Ether	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Methylene Chloride	ND (0.0221)		1	09/05/12 20:48	CVI0026	CI20504
Naphthalene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
n-Butylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
n-Propylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
sec-Butylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Styrene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
tert-Butylbenzene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Tertiary-amyl methyl ether	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Loam-1
Date Sampled: 08/28/12 13:00
Percent Solids: 87
Initial Volume: 6.5
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1209025
ESS Laboratory Sample ID: 1209025-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: VAC

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrachloroethene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Tetrahydrofuran	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Toluene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
trans-1,2-Dichloroethene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
trans-1,3-Dichloropropene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Trichloroethene	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Trichlorofluoromethane	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Vinyl Acetate	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Vinyl Chloride	ND (0.0088)		1	09/05/12 20:48	CVI0026	CI20504
Xylene O	ND (0.0044)		1	09/05/12 20:48	CVI0026	CI20504
Xylene P,M	ND (0.0088)		1	09/05/12 20:48	CVI0026	CI20504
Xylenes (Total)	ND (0.0133)		1	09/05/12 20:48		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>102 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>105 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Loam-1
Date Sampled: 08/28/12 13:00
Percent Solids: 87
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1209025
ESS Laboratory Sample ID: 1209025-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: ML
Prepared: 9/6/12 11:40

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	62.7 (44.2)		1	09/07/12 15:33	CVI0053	CI20523
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	<i>88 %</i>		<i>40-140</i>			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Loam-1
Date Sampled: 08/28/12 13:00
Percent Solids: 87
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1209025
ESS Laboratory Sample ID: 1209025-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/6/12 11:40

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
1,2,4-Trichlorobenzene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
1,2-Dichlorobenzene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
1,3-Dichlorobenzene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
1,4-Dichlorobenzene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2,3,4,6-Tetrachlorophenol	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515
2,4,5-Trichlorophenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2,4,6-Trichlorophenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2,4-Dichlorophenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2,4-Dimethylphenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2,4-Dinitrophenol	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515
2,4-Dinitrotoluene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2,6-Dinitrotoluene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2-Chloronaphthalene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2-Chlorophenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2-Methylnaphthalene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2-Methylphenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2-Nitroaniline	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
2-Nitrophenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
3,3'-Dichlorobenzidine	ND (0.793)		1	09/06/12 20:25	CVI0052	CI20515
3+4-Methylphenol	ND (0.793)		1	09/06/12 20:25	CVI0052	CI20515
3-Nitroaniline	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
4,6-Dinitro-2-Methylphenol	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515
4-Bromophenyl-phenylether	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
4-Chloro-3-Methylphenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
4-Chloroaniline	ND (0.793)		1	09/06/12 20:25	CVI0052	CI20515
4-Chloro-phenyl-phenyl ether	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
4-Nitroaniline	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
4-Nitrophenol	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515
Acenaphthene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Acenaphthylene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Loam-1
Date Sampled: 08/28/12 13:00
Percent Solids: 87
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1209025
ESS Laboratory Sample ID: 1209025-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/6/12 11:40

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.793)		1	09/06/12 20:25	CVI0052	CI20515
Aniline	ND (0.793)		1	09/06/12 20:25	CVI0052	CI20515
Anthracene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Azobenzene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Benzo(a)anthracene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Benzo(a)pyrene	ND (0.199)		1	09/06/12 20:25	CVI0052	CI20515
Benzo(b)fluoranthene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Benzo(g,h,i)perylene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Benzo(k)fluoranthene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Benzoic Acid	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515
Benzyl Alcohol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
bis(2-Chloroethoxy)methane	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
bis(2-Chloroethyl)ether	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
bis(2-chloroisopropyl)Ether	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
bis(2-Ethylhexyl)phthalate	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Butylbenzylphthalate	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Carbazole	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Chrysene	ND (0.199)		1	09/06/12 20:25	CVI0052	CI20515
Dibenzo(a,h)Anthracene	ND (0.199)		1	09/06/12 20:25	CVI0052	CI20515
Dibenzofuran	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Diethylphthalate	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Dimethylphthalate	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Di-n-butylphthalate	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Di-n-octylphthalate	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Fluoranthene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Fluorene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Hexachlorobenzene	ND (0.199)		1	09/06/12 20:25	CVI0052	CI20515
Hexachlorobutadiene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Hexachlorocyclopentadiene	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515
Hexachloroethane	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Indeno(1,2,3-cd)Pyrene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Textron Site - Copar - Loam-1
Date Sampled: 08/28/12 13:00
Percent Solids: 87
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1209025
ESS Laboratory Sample ID: 1209025-01
Sample Matrix: Solid
Units: mg/kg dry
Analyst: IBM
Prepared: 9/6/12 11:40

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Naphthalene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Nitrobenzene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
N-Nitrosodimethylamine	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
N-Nitroso-Di-n-Propylamine	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
N-nitrosodiphenylamine	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Pentachlorophenol	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515
Phenanthrene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Phenol	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Pyrene	ND (0.396)		1	09/06/12 20:25	CVI0052	CI20515
Pyridine	ND (1.99)		1	09/06/12 20:25	CVI0052	CI20515

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	<i>77 %</i>		<i>30-130</i>
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>86 %</i>		<i>30-130</i>
<i>Surrogate: 2-Chlorophenol-d4</i>	<i>80 %</i>		<i>30-130</i>
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>82 %</i>		<i>30-130</i>
<i>Surrogate: 2-Fluorophenol</i>	<i>76 %</i>		<i>30-130</i>
<i>Surrogate: Nitrobenzene-d5</i>	<i>80 %</i>		<i>30-130</i>
<i>Surrogate: Phenol-d6</i>	<i>80 %</i>		<i>30-130</i>
<i>Surrogate: p-Terphenyl-d14</i>	<i>87 %</i>		<i>30-130</i>



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CI20429 - 3050B

Blank

Arsenic	ND	2.5	mg/kg wet
Barium	ND	2.5	mg/kg wet
Cadmium	ND	0.50	mg/kg wet
Chromium	ND	1.0	mg/kg wet
Lead	ND	5.0	mg/kg wet
Selenium	ND	5.0	mg/kg wet
Silver	ND	0.50	mg/kg wet

LCS

Arsenic	142	8.5	mg/kg wet	168.0	85	80-120
Barium	189	8.5	mg/kg wet	213.0	89	80-120
Cadmium	94.4	1.70	mg/kg wet	103.0	92	80-120
Chromium	111	3.4	mg/kg wet	119.0	94	80-120
Lead	66.2	17.0	mg/kg wet	76.90	86	80-120
Selenium	105	17.0	mg/kg wet	126.0	84	80-120
Silver	40.2	1.70	mg/kg wet	42.30	95	80-120

LCS Dup

Arsenic	139	8.6	mg/kg wet	168.0	83	80-120	2	20
Barium	182	8.6	mg/kg wet	213.0	85	80-120	4	20
Cadmium	90.9	1.73	mg/kg wet	103.0	88	80-120	4	20
Chromium	107	3.4	mg/kg wet	119.0	90	80-120	4	20
Lead	64.5	17.2	mg/kg wet	76.90	84	80-120	3	20
Selenium	103	17.2	mg/kg wet	126.0	82	80-120	3	20
Silver	38.3	1.73	mg/kg wet	42.30	91	80-120	5	20

Batch CI20432 - 7471A

Blank

Mercury	ND	0.033	mg/kg wet
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LCS

Mercury	29.4	3.30	mg/kg wet	25.10	117	80-120
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LCS Dup

Mercury	29.3	3.00	mg/kg wet	25.10	117	80-120	0.3	20
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20504 - 5035

Blank

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet
1,1-Dichloroethane	ND	0.0050	mg/kg wet
1,1-Dichloroethene	ND	0.0050	mg/kg wet
1,1-Dichloropropene	ND	0.0050	mg/kg wet
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20504 - 5035

1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20504 - 5035

Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0482		mg/kg wet	0.05000		96	70-130			
Surrogate: 4-Bromofluorobenzene	0.0466		mg/kg wet	0.05000		93	70-130			
Surrogate: Dibromofluoromethane	0.0473		mg/kg wet	0.05000		95	70-130			
Surrogate: Toluene-d8	0.0490		mg/kg wet	0.05000		98	70-130			

LCS

1,1,1,2-Tetrachloroethane	0.0437	0.0050	mg/kg wet	0.05000		87	70-130			
1,1,1-Trichloroethane	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
1,1,2,2-Tetrachloroethane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
1,1,2-Trichloroethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130			
1,1-Dichloroethane	0.0381	0.0050	mg/kg wet	0.05000		76	70-130			
1,1-Dichloroethene	0.0399	0.0050	mg/kg wet	0.05000		80	70-130			
1,1-Dichloropropene	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
1,2,3-Trichlorobenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,2,3-Trichloropropane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130			
1,2,4-Trichlorobenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,2,4-Trimethylbenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
1,2-Dibromo-3-Chloropropane	0.0465	0.0050	mg/kg wet	0.05000		93	70-130			
1,2-Dibromoethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichlorobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
1,2-Dichloroethane	0.0401	0.0050	mg/kg wet	0.05000		80	70-130			
1,2-Dichloropropane	0.0432	0.0050	mg/kg wet	0.05000		86	70-130			
1,3,5-Trimethylbenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,3-Dichlorobenzene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130			
1,3-Dichloropropane	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
1,4-Dichlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20504 - 5035

1,4-Dioxane	1.04	0.100	mg/kg wet	2.000		52	70-130			B-
1-Chlorohexane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
2,2-Dichloropropane	0.0421	0.0050	mg/kg wet	0.05000		84	70-130			
2-Butanone	0.240	0.0500	mg/kg wet	0.2500		96	70-130			
2-Chlorotoluene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
2-Hexanone	0.291	0.0500	mg/kg wet	0.2500		117	70-130			
4-Chlorotoluene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
4-Isopropyltoluene	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
4-Methyl-2-Pentanone	0.252	0.0500	mg/kg wet	0.2500		101	70-130			
Acetone	0.321	0.0500	mg/kg wet	0.2500		128	70-130			
Benzene	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
Bromobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
Bromochloromethane	0.0444	0.0050	mg/kg wet	0.05000		89	70-130			
Bromodichloromethane	0.0431	0.0050	mg/kg wet	0.05000		86	70-130			
Bromoform	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
Bromomethane	0.0581	0.0100	mg/kg wet	0.05000		116	70-130			
Carbon Disulfide	0.0573	0.0050	mg/kg wet	0.05000		115	70-130			
Carbon Tetrachloride	0.0405	0.0050	mg/kg wet	0.05000		81	70-130			
Chlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Chloroethane	0.0480	0.0100	mg/kg wet	0.05000		96	70-130			
Chloroform	0.0387	0.0050	mg/kg wet	0.05000		77	70-130			
Chloromethane	0.0489	0.0100	mg/kg wet	0.05000		98	70-130			
cis-1,2-Dichloroethene	0.0410	0.0050	mg/kg wet	0.05000		82	70-130			
cis-1,3-Dichloropropene	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
Dibromochloromethane	0.0429	0.0050	mg/kg wet	0.05000		86	70-130			
Dibromomethane	0.0417	0.0050	mg/kg wet	0.05000		83	70-130			
Dichlorodifluoromethane	0.0536	0.0100	mg/kg wet	0.05000		107	70-130			
Diethyl Ether	0.0394	0.0050	mg/kg wet	0.05000		79	70-130			
Di-isopropyl ether	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Ethyl tertiary-butyl ether	0.0425	0.0050	mg/kg wet	0.05000		85	70-130			
Ethylbenzene	0.0524	0.0050	mg/kg wet	0.05000		105	70-130			
Hexachlorobutadiene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Isopropylbenzene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Methyl tert-Butyl Ether	0.0402	0.0050	mg/kg wet	0.05000		80	70-130			
Methylene Chloride	0.0242	0.0250	mg/kg wet	0.05000		48	70-130			B-
Naphthalene	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
n-Butylbenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
n-Propylbenzene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130			
sec-Butylbenzene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
Styrene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130			
tert-Butylbenzene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Tertiary-amyl methyl ether	0.0451	0.0050	mg/kg wet	0.05000		90	70-130			
Tetrachloroethene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
Tetrahydrofuran	0.0420	0.0050	mg/kg wet	0.05000		84	70-130			
Toluene	0.0532	0.0050	mg/kg wet	0.05000		106	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20504 - 5035

trans-1,2-Dichloroethene	0.0400	0.0050	mg/kg wet	0.05000		80	70-130			
trans-1,3-Dichloropropene	0.0424	0.0050	mg/kg wet	0.05000		85	70-130			
Trichloroethene	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
Trichlorofluoromethane	0.0365	0.0050	mg/kg wet	0.05000		73	70-130			
Vinyl Acetate	0.0411	0.0050	mg/kg wet	0.05000		82	70-130			
Vinyl Chloride	0.0615	0.0100	mg/kg wet	0.05000		123	70-130			
Xylene O	0.0549	0.0050	mg/kg wet	0.05000		110	70-130			
Xylene P,M	0.109	0.0100	mg/kg wet	0.1000		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0386		mg/kg wet	0.05000		77	70-130			
Surrogate: 4-Bromofluorobenzene	0.0510		mg/kg wet	0.05000		102	70-130			
Surrogate: Dibromofluoromethane	0.0393		mg/kg wet	0.05000		79	70-130			
Surrogate: Toluene-d8	0.0500		mg/kg wet	0.05000		100	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	0.0451	0.0050	mg/kg wet	0.05000		90	70-130	3	25	
1,1,1-Trichloroethane	0.0417	0.0050	mg/kg wet	0.05000		83	70-130	0.3	25	
1,1,2,2-Tetrachloroethane	0.0441	0.0050	mg/kg wet	0.05000		88	70-130	0.2	25	
1,1,2-Trichloroethane	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	0.6	25	
1,1-Dichloroethane	0.0387	0.0050	mg/kg wet	0.05000		77	70-130	2	25	
1,1-Dichloroethene	0.0398	0.0050	mg/kg wet	0.05000		80	70-130	0.2	25	
1,1-Dichloropropene	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
1,2,3-Trichlorobenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	0.7	25	
1,2,3-Trichloropropane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130	0.7	25	
1,2,4-Trichlorobenzene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130	3	25	
1,2,4-Trimethylbenzene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,2-Dibromo-3-Chloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	6	25	
1,2-Dibromoethane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
1,2-Dichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,2-Dichloroethane	0.0398	0.0050	mg/kg wet	0.05000		80	70-130	0.6	25	
1,2-Dichloropropane	0.0449	0.0050	mg/kg wet	0.05000		90	70-130	4	25	
1,3,5-Trimethylbenzene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,3-Dichlorobenzene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,3-Dichloropropane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	2	25	
1,4-Dichlorobenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130	5	25	
1,4-Dioxane	0.946	0.100	mg/kg wet	2.000		47	70-130	9	20	B-
1-Chlorohexane	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	7	25	
2,2-Dichloropropane	0.0426	0.0050	mg/kg wet	0.05000		85	70-130	1	25	
2-Butanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130	6	25	
2-Chlorotoluene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
2-Hexanone	0.313	0.0500	mg/kg wet	0.2500		125	70-130	7	25	
4-Chlorotoluene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	5	25	
4-Isopropyltoluene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	3	25	
4-Methyl-2-Pentanone	0.264	0.0500	mg/kg wet	0.2500		106	70-130	4	25	
Acetone	0.360	0.0500	mg/kg wet	0.2500		144	70-130	11	25	B+
Benzene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
Bromobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	3	25	



CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 1209025

Quality Control Data

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5035/8260B Volatile Organic Compounds / Low Level

Batch CI20504 - 5035

Bromochloromethane	0.0438	0.0050	mg/kg wet	0.05000		88	70-130	1	25	
Bromodichloromethane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130	2	25	
Bromoform	0.0486	0.0050	mg/kg wet	0.05000		97	70-130	1	25	
Bromomethane	0.0636	0.0100	mg/kg wet	0.05000		127	70-130	9	25	
Carbon Disulfide	0.0601	0.0050	mg/kg wet	0.05000		120	70-130	5	25	
Carbon Tetrachloride	0.0416	0.0050	mg/kg wet	0.05000		83	70-130	3	25	
Chlorobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	5	25	
Chloroethane	0.0504	0.0100	mg/kg wet	0.05000		101	70-130	5	25	
Chloroform	0.0381	0.0050	mg/kg wet	0.05000		76	70-130	2	25	
Chloromethane	0.0545	0.0100	mg/kg wet	0.05000		109	70-130	11	25	
cis-1,2-Dichloroethene	0.0419	0.0050	mg/kg wet	0.05000		84	70-130	2	25	
cis-1,3-Dichloropropene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	7	25	
Dibromochloromethane	0.0439	0.0050	mg/kg wet	0.05000		88	70-130	2	25	
Dibromomethane	0.0428	0.0050	mg/kg wet	0.05000		86	70-130	3	25	
Dichlorodifluoromethane	0.0568	0.0100	mg/kg wet	0.05000		114	70-130	6	25	
Diethyl Ether	0.0391	0.0050	mg/kg wet	0.05000		78	70-130	0.7	25	
Di-isopropyl ether	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	4	25	
Ethyl tertiary-butyl ether	0.0438	0.0050	mg/kg wet	0.05000		88	70-130	3	25	
Ethylbenzene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	6	25	
Hexachlorobutadiene	0.0484	0.0050	mg/kg wet	0.05000		97	70-130	2	25	
Isopropylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	2	25	
Methyl tert-Butyl Ether	0.0405	0.0050	mg/kg wet	0.05000		81	70-130	0.8	25	
Methylene Chloride	0.0476	0.0250	mg/kg wet	0.05000		95	70-130	65	25	D+
Naphthalene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130	5	25	
n-Butylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	5	25	
n-Propylbenzene	0.0533	0.0050	mg/kg wet	0.05000		107	70-130	3	25	
sec-Butylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	4	25	
Styrene	0.0591	0.0050	mg/kg wet	0.05000		118	70-130	6	25	
tert-Butylbenzene	0.0508	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
Tertiary-amyl methyl ether	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	5	25	
Tetrachloroethene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130	3	25	
Tetrahydrofuran	0.0394	0.0050	mg/kg wet	0.05000		79	70-130	6	25	
Toluene	0.0555	0.0050	mg/kg wet	0.05000		111	70-130	4	25	
trans-1,2-Dichloroethene	0.0404	0.0050	mg/kg wet	0.05000		81	70-130	0.8	25	
trans-1,3-Dichloropropene	0.0443	0.0050	mg/kg wet	0.05000		89	70-130	4	25	
Trichloroethene	0.0457	0.0050	mg/kg wet	0.05000		91	70-130	2	25	
Trichlorofluoromethane	0.0362	0.0050	mg/kg wet	0.05000		72	70-130	0.9	25	
Vinyl Acetate	0.0436	0.0050	mg/kg wet	0.05000		87	70-130	6	25	
Vinyl Chloride	0.0643	0.0100	mg/kg wet	0.05000		129	70-130	4	25	
Xylene O	0.0576	0.0050	mg/kg wet	0.05000		115	70-130	5	25	
Xylene P,M	0.117	0.0100	mg/kg wet	0.1000		117	70-130	7	25	
Surrogate: 1,2-Dichloroethane-d4	0.0380		mg/kg wet	0.05000		76	70-130			
Surrogate: 4-Bromofluorobenzene	0.0531		mg/kg wet	0.05000		106	70-130			
Surrogate: Dibromofluoromethane	0.0383		mg/kg wet	0.05000		77	70-130			
Surrogate: Toluene-d8	0.0490		mg/kg wet	0.05000		98	70-130			



CERTIFICATE OF ANALYSIS

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8100M Total Petroleum Hydrocarbons

Batch CI20523 - 3546

Blank

Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacontane (C30)	ND	0.2	mg/kg wet							

Surrogate: O-Terphenyl 5.19 mg/kg wet 5.000 104 40-140

LCS

Decane (C10)	2.2	0.2	mg/kg wet	2.500	90	40-140				
Docosane (C22)	3.0	0.2	mg/kg wet	2.500	122	40-140				
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500	97	40-140				
Eicosane (C20)	3.1	0.2	mg/kg wet	2.500	122	40-140				
Hexacosane (C26)	3.0	0.2	mg/kg wet	2.500	121	40-140				
Hexadecane (C16)	2.7	0.2	mg/kg wet	2.500	109	40-140				
Nonadecane (C19)	2.9	0.2	mg/kg wet	2.500	116	40-140				
Nonane (C9)	1.8	0.2	mg/kg wet	2.500	74	30-140				
Octacosane (C28)	3.0	0.2	mg/kg wet	2.500	120	40-140				
Octadecane (C18)	2.9	0.2	mg/kg wet	2.500	114	40-140				
Tetracosane (C24)	3.1	0.2	mg/kg wet	2.500	122	40-140				
Tetradecane (C14)	2.5	0.2	mg/kg wet	2.500	102	40-140				
Total Petroleum Hydrocarbons	35.2	37.5	mg/kg wet	35.00	101	40-140				
Triacontane (C30)	3.0	0.2	mg/kg wet	2.500	119	40-140				

Surrogate: O-Terphenyl 5.56 mg/kg wet 5.000 111 40-140

LCS Dup

Decane (C10)	2.2	0.2	mg/kg wet	2.500	90	40-140	0.3	50		
Docosane (C22)	2.9	0.2	mg/kg wet	2.500	115	40-140	6	50		
Dodecane (C12)	2.4	0.2	mg/kg wet	2.500	96	40-140	2	50		
Eicosane (C20)	2.9	0.2	mg/kg wet	2.500	115	40-140	6	50		
Hexacosane (C26)	2.9	0.2	mg/kg wet	2.500	115	40-140	5	50		
Hexadecane (C16)	2.7	0.2	mg/kg wet	2.500	107	40-140	2	50		
Nonadecane (C19)	2.8	0.2	mg/kg wet	2.500	110	40-140	5	50		
Nonane (C9)	1.9	0.2	mg/kg wet	2.500	75	30-140	2	50		
Octacosane (C28)	2.9	0.2	mg/kg wet	2.500	115	40-140	5	50		
Octadecane (C18)	2.7	0.2	mg/kg wet	2.500	110	40-140	4	50		



CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CI20523 - 3546

Tetracosane (C24)	2.9	0.2	mg/kg wet	2.500		116	40-140	5	50	
Tetradecane (C14)	2.5	0.2	mg/kg wet	2.500		100	40-140	2	50	
Total Petroleum Hydrocarbons	33.9	37.5	mg/kg wet	35.00		97	40-140	4	50	
Triacotane (C30)	2.8	0.2	mg/kg wet	2.500		113	40-140	5	50	

Surrogate: O-Terphenyl

5.29

mg/kg wet

5.000

106

40-140

8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Blank

1,1-Biphenyl	ND	0.333	mg/kg wet
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet
1,2-Dichlorobenzene	ND	0.333	mg/kg wet
1,3-Dichlorobenzene	ND	0.333	mg/kg wet
1,4-Dichlorobenzene	ND	0.333	mg/kg wet
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet
2,4-Dichlorophenol	ND	0.333	mg/kg wet
2,4-Dimethylphenol	ND	0.333	mg/kg wet
2,4-Dinitrophenol	ND	1.67	mg/kg wet
2,4-Dinitrotoluene	ND	0.333	mg/kg wet
2,6-Dinitrotoluene	ND	0.333	mg/kg wet
2-Chloronaphthalene	ND	0.333	mg/kg wet
2-Chlorophenol	ND	0.333	mg/kg wet
2-Methylnaphthalene	ND	0.333	mg/kg wet
2-Methylphenol	ND	0.333	mg/kg wet
2-Nitroaniline	ND	0.333	mg/kg wet
2-Nitrophenol	ND	0.333	mg/kg wet
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet
3+4-Methylphenol	ND	0.667	mg/kg wet
3-Nitroaniline	ND	0.333	mg/kg wet
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet
4-Chloroaniline	ND	0.667	mg/kg wet
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet
4-Nitroaniline	ND	0.333	mg/kg wet
4-Nitrophenol	ND	1.67	mg/kg wet
Acenaphthene	ND	0.333	mg/kg wet
Acenaphthylene	ND	0.333	mg/kg wet
Acetophenone	ND	0.667	mg/kg wet
Aniline	ND	0.667	mg/kg wet
Anthracene	ND	0.333	mg/kg wet
Azobenzene	ND	0.333	mg/kg wet



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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.00		mg/kg wet	3.333		60	30-130			
Surrogate: 2,4,6-Tribromophenol	4.70		mg/kg wet	5.000		94	30-130			
Surrogate: 2-Chlorophenol-d4	3.37		mg/kg wet	5.000		67	30-130			
Surrogate: 2-Fluorobiphenyl	1.87		mg/kg wet	3.333		56	30-130			
Surrogate: 2-Fluorophenol	3.25		mg/kg wet	5.000		65	30-130			
Surrogate: Nitrobenzene-d5	1.87		mg/kg wet	3.333		56	30-130			
Surrogate: Phenol-d6	3.42		mg/kg wet	5.000		68	30-130			
Surrogate: p-Terphenyl-d14	2.46		mg/kg wet	3.333		74	30-130			



CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

LCS

1,1-Biphenyl	1.80	0.333	mg/kg wet	3.333		54	40-140			
1,2,4-Trichlorobenzene	1.74	0.333	mg/kg wet	3.333		52	40-140			
1,2-Dichlorobenzene	1.73	0.333	mg/kg wet	3.333		52	40-140			
1,3-Dichlorobenzene	1.76	0.333	mg/kg wet	3.333		53	40-140			
1,4-Dichlorobenzene	1.70	0.333	mg/kg wet	3.333		51	40-140			
2,3,4,6-Tetrachlorophenol	2.78	1.67	mg/kg wet	3.333		84	30-130			
2,4,5-Trichlorophenol	2.50	0.333	mg/kg wet	3.333		75	30-130			
2,4,6-Trichlorophenol	2.25	0.333	mg/kg wet	3.333		67	30-130			
2,4-Dichlorophenol	1.91	0.333	mg/kg wet	3.333		57	30-130			
2,4-Dimethylphenol	1.92	0.333	mg/kg wet	3.333		58	30-130			
2,4-Dinitrophenol	2.29	1.67	mg/kg wet	3.333		69	30-130			
2,4-Dinitrotoluene	2.60	0.333	mg/kg wet	3.333		78	40-140			
2,6-Dinitrotoluene	2.52	0.333	mg/kg wet	3.333		76	40-140			
2-Chloronaphthalene	1.66	0.333	mg/kg wet	3.333		50	40-140			
2-Chlorophenol	1.68	0.333	mg/kg wet	3.333		50	30-130			
2-Methylnaphthalene	1.82	0.333	mg/kg wet	3.333		55	40-140			
2-Methylphenol	1.71	0.333	mg/kg wet	3.333		51	30-130			
2-Nitroaniline	1.85	0.333	mg/kg wet	3.333		55	40-140			
2-Nitrophenol	1.90	0.333	mg/kg wet	3.333		57	30-130			
3,3'-Dichlorobenzidine	2.54	0.667	mg/kg wet	3.333		76	40-140			
3+4-Methylphenol	2.57	0.667	mg/kg wet	6.667		39	30-130			
3-Nitroaniline	2.42	0.333	mg/kg wet	3.333		72	40-140			
4,6-Dinitro-2-Methylphenol	2.89	1.67	mg/kg wet	3.333		87	30-130			
4-Bromophenyl-phenylether	2.83	0.333	mg/kg wet	3.333		85	40-140			
4-Chloro-3-Methylphenol	2.27	0.333	mg/kg wet	3.333		68	30-130			
4-Chloroaniline	1.69	0.667	mg/kg wet	3.333		51	40-140			
4-Chloro-phenyl-phenyl ether	2.16	0.333	mg/kg wet	3.333		65	40-140			
4-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140			
4-Nitrophenol	2.48	1.67	mg/kg wet	3.333		74	30-130			
Acenaphthene	2.06	0.333	mg/kg wet	3.333		62	40-140			
Acenaphthylene	1.92	0.333	mg/kg wet	3.333		58	40-140			
Acetophenone	1.38	0.667	mg/kg wet	3.333		41	40-140			
Aniline	1.45	0.667	mg/kg wet	3.333		43	40-140			
Anthracene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Azobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140			
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)pyrene	2.82	0.167	mg/kg wet	3.333		85	40-140			
Benzo(b)fluoranthene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Benzo(g,h,i)perylene	3.29	0.333	mg/kg wet	3.333		99	40-140			
Benzo(k)fluoranthene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Benzoic Acid	2.63	1.67	mg/kg wet	3.333		79	40-140			
Benzyl Alcohol	1.59	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethoxy)methane	1.62	0.333	mg/kg wet	3.333		48	40-140			
bis(2-Chloroethyl)ether	1.49	0.333	mg/kg wet	3.333		45	40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

bis(2-chloroisopropyl)Ether	1.62	0.333	mg/kg wet	3.333		49	40-140			
bis(2-Ethylhexyl)phthalate	2.85	0.333	mg/kg wet	3.333		86	40-140			
Butylbenzylphthalate	2.89	0.333	mg/kg wet	3.333		87	40-140			
Carbazole	2.60	0.333	mg/kg wet	3.333		78	40-140			
Chrysene	2.95	0.167	mg/kg wet	3.333		89	40-140			
Dibenzo(a,h)Anthracene	3.39	0.167	mg/kg wet	3.333		102	40-140			
Dibenzofuran	2.02	0.333	mg/kg wet	3.333		61	40-140			
Diethylphthalate	2.44	0.333	mg/kg wet	3.333		73	40-140			
Dimethylphthalate	2.39	0.333	mg/kg wet	3.333		72	40-140			
Di-n-butylphthalate	2.53	0.333	mg/kg wet	3.333		76	40-140			
Di-n-octylphthalate	3.05	0.333	mg/kg wet	3.333		92	40-140			
Fluoranthene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Fluorene	2.25	0.333	mg/kg wet	3.333		68	40-140			
Hexachlorobenzene	2.96	0.167	mg/kg wet	3.333		89	40-140			
Hexachlorobutadiene	1.92	0.333	mg/kg wet	3.333		58	40-140			
Hexachlorocyclopentadiene	1.93	1.67	mg/kg wet	3.333		58	40-140			
Hexachloroethane	1.69	0.333	mg/kg wet	3.333		51	40-140			
Indeno(1,2,3-cd)Pyrene	3.31	0.333	mg/kg wet	3.333		99	40-140			
Isophorone	1.65	0.333	mg/kg wet	3.333		49	40-140			
Naphthalene	1.73	0.333	mg/kg wet	3.333		52	40-140			
Nitrobenzene	1.69	0.333	mg/kg wet	3.333		51	40-140			
N-Nitrosodimethylamine	1.47	0.333	mg/kg wet	3.333		44	40-140			
N-Nitroso-Di-n-Propylamine	1.26	0.333	mg/kg wet	3.333		38	40-140			B-
N-nitrosodiphenylamine	2.71	0.333	mg/kg wet	3.333		81	40-140			
Pentachlorophenol	3.09	1.67	mg/kg wet	3.333		93	30-130			
Phenanthrene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Phenol	1.50	0.333	mg/kg wet	3.333		45	30-130			
Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Pyridine	1.20	1.67	mg/kg wet	3.333		36	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	1.48		mg/kg wet	3.333		44	30-130			
Surrogate: 2,4,6-Tribromophenol	5.10		mg/kg wet	5.000		102	30-130			
Surrogate: 2-Chlorophenol-d4	2.60		mg/kg wet	5.000		52	30-130			
Surrogate: 2-Fluorobiphenyl	1.51		mg/kg wet	3.333		45	30-130			
Surrogate: 2-Fluorophenol	2.48		mg/kg wet	5.000		50	30-130			
Surrogate: Nitrobenzene-d5	1.39		mg/kg wet	3.333		42	30-130			
Surrogate: Phenol-d6	2.64		mg/kg wet	5.000		53	30-130			
Surrogate: p-Terphenyl-d14	2.53		mg/kg wet	3.333		76	30-130			

LCS Dup

1,1-Biphenyl	2.33	0.333	mg/kg wet	3.333		70	40-140	26	30	
1,2,4-Trichlorobenzene	2.36	0.333	mg/kg wet	3.333		71	40-140	31	30	D+
1,2-Dichlorobenzene	2.28	0.333	mg/kg wet	3.333		69	40-140	27	30	
1,3-Dichlorobenzene	2.34	0.333	mg/kg wet	3.333		70	40-140	29	30	
1,4-Dichlorobenzene	2.25	0.333	mg/kg wet	3.333		68	40-140	28	30	
2,3,4,6-Tetrachlorophenol	2.99	1.67	mg/kg wet	3.333		90	30-130	7	30	
2,4,5-Trichlorophenol	2.93	0.333	mg/kg wet	3.333		88	30-130	16	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

2,4,6-Trichlorophenol	2.81	0.333	mg/kg wet	3.333		84	30-130	22	30	
2,4-Dichlorophenol	2.65	0.333	mg/kg wet	3.333		79	30-130	32	30	D+
2,4-Dimethylphenol	2.63	0.333	mg/kg wet	3.333		79	30-130	31	30	D+
2,4-Dinitrophenol	2.57	1.67	mg/kg wet	3.333		77	30-130	11	30	
2,4-Dinitrotoluene	2.70	0.333	mg/kg wet	3.333		81	40-140	4	30	
2,6-Dinitrotoluene	2.80	0.333	mg/kg wet	3.333		84	40-140	10	30	
2-Chloronaphthalene	2.18	0.333	mg/kg wet	3.333		65	40-140	27	30	
2-Chlorophenol	2.26	0.333	mg/kg wet	3.333		68	30-130	30	30	
2-Methylnaphthalene	2.41	0.333	mg/kg wet	3.333		72	40-140	28	30	
2-Methylphenol	2.30	0.333	mg/kg wet	3.333		69	30-130	30	30	
2-Nitroaniline	2.12	0.333	mg/kg wet	3.333		64	40-140	14	30	
2-Nitrophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	35	30	D+
3,3'-Dichlorobenzidine	2.57	0.667	mg/kg wet	3.333		77	40-140	1	30	
3+4-Methylphenol	3.01	0.667	mg/kg wet	6.667		45	30-130	16	30	
3-Nitroaniline	2.60	0.333	mg/kg wet	3.333		78	40-140	7	30	
4,6-Dinitro-2-Methylphenol	2.96	1.67	mg/kg wet	3.333		89	30-130	3	30	
4-Bromophenyl-phenylether	3.10	0.333	mg/kg wet	3.333		93	40-140	9	30	
4-Chloro-3-Methylphenol	2.81	0.333	mg/kg wet	3.333		84	30-130	21	30	
4-Chloroaniline	2.20	0.667	mg/kg wet	3.333		66	40-140	26	30	
4-Chloro-phenyl-phenyl ether	2.51	0.333	mg/kg wet	3.333		75	40-140	15	30	
4-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140	2	30	
4-Nitrophenol	2.41	1.67	mg/kg wet	3.333		72	30-130	3	30	
Acenaphthene	2.52	0.333	mg/kg wet	3.333		76	40-140	20	30	
Acenaphthylene	2.35	0.333	mg/kg wet	3.333		70	40-140	20	30	
Acetophenone	1.70	0.667	mg/kg wet	3.333		51	40-140	20	30	
Aniline	1.82	0.667	mg/kg wet	3.333		55	40-140	23	30	
Anthracene	2.76	0.333	mg/kg wet	3.333		83	40-140	2	30	
Azobenzene	2.41	0.333	mg/kg wet	3.333		72	40-140	8	30	
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140	0.2	30	
Benzo(a)pyrene	2.84	0.167	mg/kg wet	3.333		85	40-140	0.7	30	
Benzo(b)fluoranthene	3.03	0.333	mg/kg wet	3.333		91	40-140	0.7	30	
Benzo(g,h,i)perylene	3.22	0.333	mg/kg wet	3.333		97	40-140	2	30	
Benzo(k)fluoranthene	2.81	0.333	mg/kg wet	3.333		84	40-140	2	30	
Benzoic Acid	3.20	1.67	mg/kg wet	3.333		96	40-140	20	30	
Benzyl Alcohol	2.07	0.333	mg/kg wet	3.333		62	40-140	26	30	
bis(2-Chloroethoxy)methane	2.13	0.333	mg/kg wet	3.333		64	40-140	28	30	
bis(2-Chloroethyl)ether	2.04	0.333	mg/kg wet	3.333		61	40-140	31	30	D+
bis(2-chloroisopropyl)Ether	2.18	0.333	mg/kg wet	3.333		66	40-140	30	30	
bis(2-Ethylhexyl)phthalate	2.82	0.333	mg/kg wet	3.333		85	40-140	1	30	
Butylbenzylphthalate	2.90	0.333	mg/kg wet	3.333		87	40-140	0.1	30	
Carbazole	2.61	0.333	mg/kg wet	3.333		78	40-140	0.6	30	
Chrysene	2.97	0.167	mg/kg wet	3.333		89	40-140	0.6	30	
Dibenzo(a,h)Anthracene	3.35	0.167	mg/kg wet	3.333		101	40-140	1	30	
Dibenzofuran	2.41	0.333	mg/kg wet	3.333		72	40-140	17	30	
Diethylphthalate	2.63	0.333	mg/kg wet	3.333		79	40-140	7	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CI20515 - 3546

Dimethylphthalate	2.67	0.333	mg/kg wet	3.333		80	40-140	11	30	
Di-n-butylphthalate	2.57	0.333	mg/kg wet	3.333		77	40-140	2	30	
Di-n-octylphthalate	2.99	0.333	mg/kg wet	3.333		90	40-140	2	30	
Fluoranthene	2.56	0.333	mg/kg wet	3.333		77	40-140	0.4	30	
Fluorene	2.56	0.333	mg/kg wet	3.333		77	40-140	13	30	
Hexachlorobenzene	3.13	0.167	mg/kg wet	3.333		94	40-140	6	30	
Hexachlorobutadiene	2.64	0.333	mg/kg wet	3.333		79	40-140	32	30	D+
Hexachlorocyclopentadiene	2.62	1.67	mg/kg wet	3.333		79	40-140	30	30	
Hexachloroethane	2.32	0.333	mg/kg wet	3.333		70	40-140	31	30	D+
Indeno(1,2,3-cd)Pyrene	3.25	0.333	mg/kg wet	3.333		98	40-140	2	30	
Isophorone	2.18	0.333	mg/kg wet	3.333		65	40-140	28	30	
Naphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140	29	30	
Nitrobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140	29	30	
N-Nitrosodimethylamine	1.90	0.333	mg/kg wet	3.333		57	40-140	25	30	
N-Nitroso-Di-n-Propylamine	1.56	0.333	mg/kg wet	3.333		47	40-140	21	30	
N-nitrosodiphenylamine	2.85	0.333	mg/kg wet	3.333		86	40-140	5	30	
Pentachlorophenol	3.24	1.67	mg/kg wet	3.333		97	30-130	5	30	
Phenanthrene	2.75	0.333	mg/kg wet	3.333		82	40-140	3	30	
Phenol	1.91	0.333	mg/kg wet	3.333		57	30-130	24	30	
Pyrene	3.02	0.333	mg/kg wet	3.333		91	40-140	2	30	
Pyridine	1.41	1.67	mg/kg wet	3.333		42	40-140	16	30	
Surrogate: 1,2-Dichlorobenzene-d4	1.86		mg/kg wet	3.333		56	30-130			
Surrogate: 2,4,6-Tribromophenol	5.22		mg/kg wet	5.000		104	30-130			
Surrogate: 2-Chlorophenol-d4	3.40		mg/kg wet	5.000		68	30-130			
Surrogate: 2-Fluorobiphenyl	1.93		mg/kg wet	3.333		58	30-130			
Surrogate: 2-Fluorophenol	3.21		mg/kg wet	5.000		64	30-130			
Surrogate: Nitrobenzene-d5	1.83		mg/kg wet	3.333		55	30-130			
Surrogate: Phenol-d6	3.36		mg/kg wet	5.000		67	30-130			
Surrogate: p-Terphenyl-d14	2.46		mg/kg wet	3.333		74	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
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ESS Laboratory Work Order: 1209025

Notes and Definitions

- U Analyte included in the analysis, but not detected
- Q Calibration required quadratic regression (Q).
- ICV Initial Calibration Verification recovery is outside of control limit (ICV).
- D+ Relative percent difference for duplicate is outside of criteria (D+).
- D Diluted.
- B+ Blank Spike recovery is above upper control limit (B+).
- B- Blank Spike recovery is below lower control limit (B-).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1209025

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01

<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002

http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301

http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01

Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)

<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141

Lead Paint, Lead in Children's Metals Jewelry

<http://www.cpsc.gov/cgi-bin/labapplist.aspx>

Sample and Cooler Receipt Checklist

Client: Thielsch Engineering, Inc.
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12090025
Date Project Due: 9/12/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|--|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> No |
| Cooler Temp: <u>1.6</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Iced With: <u>Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: _____ | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: _____ | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: _____ | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: _____ | |

18. Was there need to call project manager to discuss status? If yes, please explain.

L.L vials were frozen 8/28/12 @ 1530 JK

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	1	MeOH
1	Yes	40 ml - VOA	2	other
1	Yes	8 oz Soil Jar	3	NP

Completed By: JK Date/Time: 9/05/12
Reviewed By: STB Date/Time: 9-8-12

LOG in re logs! OUT 9/5/12

1209025

CHAIN OF CUSTODY

ESS Lab # ~~1208513~~ JK91512

ESS Laboratory

Division of Thielsch Engineering, Inc.

106 South Street, Hopkinton, MA 01748

Tel. (508) 435-9244 Fax (508) 435-9912

www.esslaboratory.com

Turn Time Standard Other _____
 Regulatory State: MA RI CT NH NJ ME Other _____
 Is this project for any of the following: (please circle)
 MA-MCP Navy USACE CT DEP Other _____

Co. Name ET&L CORP.
 Contact Person JAY / MATT POLSKY
 Address 873 GREAT RD City, State STOW MA Zip 01775 PO # _____
 Project # CIS-74-12-003-131 Project Name TARPON SITE
 Proj. Location PROVIDENCE R.I.

Reporting Limits - _____

Electronic Deliverables Excel Access PDF

ESS Lab ID	Date	Collection Time	Grab-G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis
01	8/28/12	1:00 PM	G	SOLID	CoPAR - LOAM #1	1, G	6	G/N		VOC SVOC TPH R & METALS
<p>Sample Rec. to CMT</p> <p>HOLD SAMPLE - PENDING SIEVE ANALYSIS</p>										
<p>* note held tm</p>										

Container Type: F-Poly G-Glass AG-Amber Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filler

Cooler Present Yes No Internal Use Only
 Seals Intact Yes No NA: [] Pickup [] Technician
 Cooler Temperature: 1.0 ice

Relinquished by: (Signature, Date & Time) Jay Polsky 8/28/12 3:00 pm
 Relinquished by: (Signature, Date & Time) _____

Sampled by: L.C. Floyd & Matt Polsky
 Comments: QUESTIONS TO MATT POLSKY

Relinquished by: (Signature, Date & Time) _____
 Relinquished by: (Signature, Date & Time) _____

Received by: (Signature, Date & Time) _____
 Received by: (Signature, Date & Time) _____

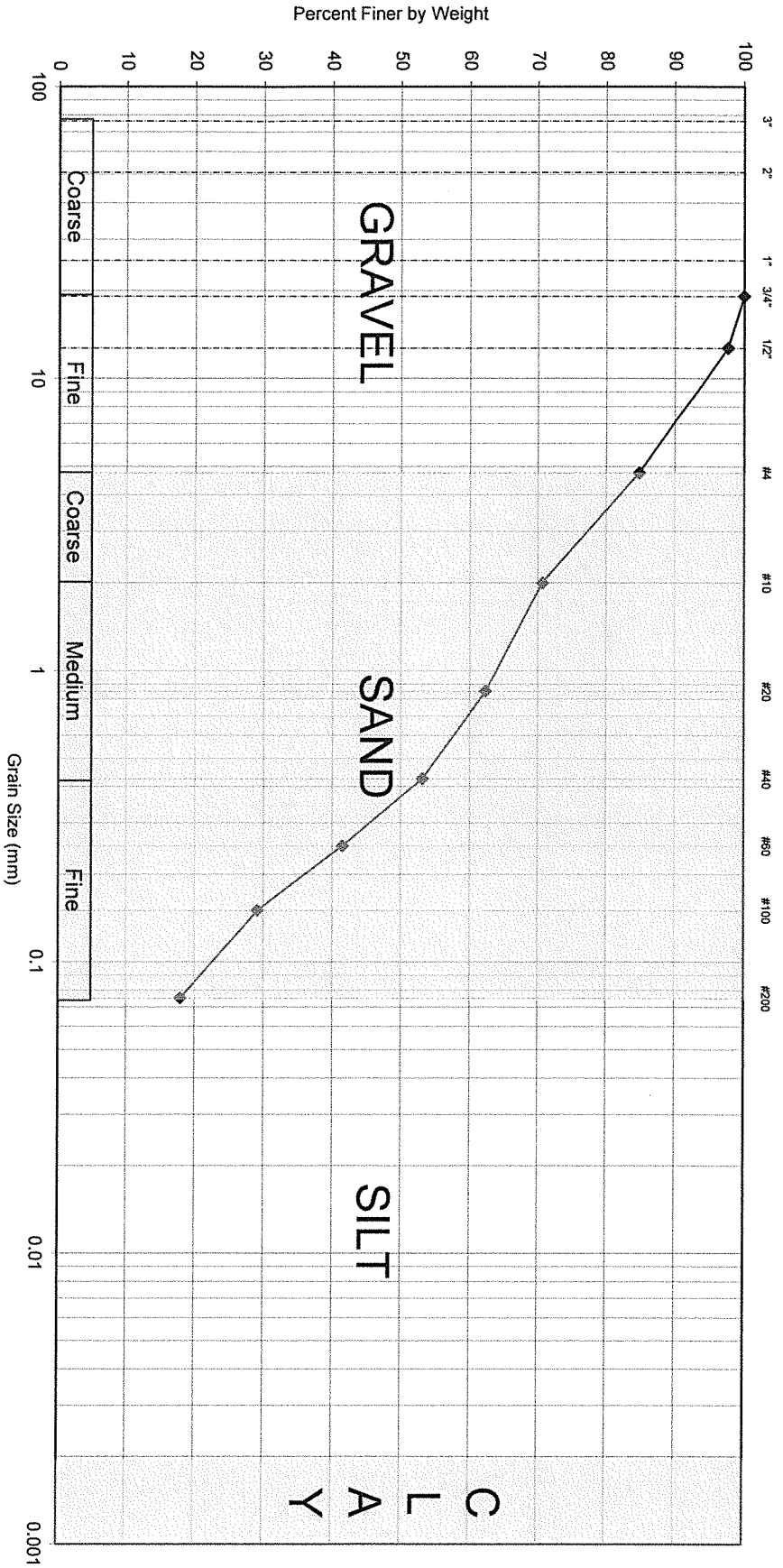
1 (White) Lab Copy
 2 (Yellow) Client Receipt

Please fax to the laboratory all changes to Chain of Custody

Report Method Blank & Laboratory Control Sample Results

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA

U.S. STANDARD SIEVE AND HYDROMETER



Gravel
15.2%

Sand
66.8%

Fines
18.0%

Lab #	Material	Yardage	Sample Date	Description	% Moisture	% Organics
403	Topsoil	500-1000 cy	10/26/12	Dark brown Silty sand with Gravel (SM)	10.5	4.2

Sieve Size	% Passing
3/4"	100.0
1/2"	97.7
#4	84.8
#10	70.7
#20	62.3
#40	53.2
#60	41.5
#100	29.2
#200	18.0



Textron Landfill
 Providence, RI
 Thielsch CTS File # 74-12-0003.13J
 Tested by: GG Date: 10/27/12
 Reviewed by: MBP Date: 10/30/12



CERTIFICATE OF ANALYSIS

Matt Polsky
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910

RE: ET and L Corp (CTS-74-12-0003.13J)
ESS Laboratory Work Order Number: 1210554

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

REVIEWED
By ESS Laboratory at 12:33 pm, Nov 02, 2012

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with NELAC Standards, A2LA and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

SAMPLE RECEIPT

The following samples were received on October 26, 2012 for the analyses specified on the enclosed Chain of Custody Record.

<u>Lab Number</u>	<u>SampleName</u>	<u>Matrix</u>	<u>Analysis</u>
1210554-01	Top Soil 500-1000cy	Soil	6010B, 7471A, 8100M, 8260B Low, 8270C, 9045



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

PROJECT NARRATIVE

8270C Semi-Volatile Organic Compounds

- CVJ0327-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (96% @ 70-130%), Pentachlorophenol (123% @ 80-120%)
- CVJ0327-CCV1 **Continuing Calibration recovery is above upper control limit (C+).**
Pentachlorophenol (123% @ 80-120%)
- CVJ0327-CCV1 **Initial Calibration Verification recovery is outside of control limit (ICV).**
Hexachlorocyclopentadiene
- CVJ0332-CCV1 **Calibration required quadratic regression (Q).**
2,4-Dinitrophenol (104% @ 70-130%), Pentachlorophenol (117% @ 80-120%)
- CVJ0332-CCV1 **Initial Calibration Verification recovery is outside of control limit (ICV).**
Hexachlorocyclopentadiene

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Top Soil 500-1000cy
Date Sampled: 10/26/12 10:30
Percent Solids: 87

ESS Laboratory Work Order: 1210554
ESS Laboratory Sample ID: 1210554-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	5.5 (2.9)	6010B		1	SVD	10/31/12 0:02	2.01	100	CJ23025
Barium	20.9 (2.9)	6010B		1	SVD	10/31/12 0:02	2.01	100	CJ23025
Cadmium	ND (0.57)	6010B		1	SVD	10/31/12 0:02	2.01	100	CJ23025
Chromium	3.8 (1.1)	6010B		1	SVD	10/31/12 0:02	2.01	100	CJ23025
Lead	10.1 (5.7)	6010B		1	SVD	10/31/12 0:02	2.01	100	CJ23025
Mercury	0.042 (0.036)	7471A		1	JP	10/30/12 23:08	0.64	40	CJ23020
Selenium	ND (5.7)	6010B		1	SVD	10/31/12 0:02	2.01	100	CJ23025
Silver	ND (0.57)	6010B		1	SVD	10/31/12 0:02	2.01	100	CJ23025



ESS Laboratory

Division of Thielsch Engineering, Inc.

BAL Laboratory

The Microbiology Division
of Thielsch Engineering, Inc.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Top Soil 500-1000cy
Date Sampled: 10/26/12 10:30
Percent Solids: 87
Initial Volume: 5.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210554
ESS Laboratory Sample ID: 1210554-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	Limit	DF	Analyzed	Sequence	Batch
1,1,1,2-Tetrachloroethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,1,1-Trichloroethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,1,2,2-Tetrachloroethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,1,2-Trichloroethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,1-Dichloroethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,1-Dichloroethene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,1-Dichloropropene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2,3-Trichlorobenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2,3-Trichloropropane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2,4-Trichlorobenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2,4-Trimethylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2-Dibromo-3-Chloropropane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2-Dibromoethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2-Dichlorobenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2-Dichloroethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,2-Dichloropropane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,3,5-Trimethylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,3-Dichlorobenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,3-Dichloropropane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,4-Dichlorobenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
1,4-Dioxane	ND (0.101)		1	10/29/12 12:39	CVJ0316	CJ22921
1-Chlorohexane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
2,2-Dichloropropane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
2-Butanone	ND (0.0504)		1	10/29/12 12:39	CVJ0316	CJ22921
2-Chlorotoluene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
2-Hexanone	ND (0.0504)		1	10/29/12 12:39	CVJ0316	CJ22921
4-Chlorotoluene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
4-Isopropyltoluene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
4-Methyl-2-Pentanone	ND (0.0504)		1	10/29/12 12:39	CVJ0316	CJ22921
Acetone	ND (0.0504)		1	10/29/12 12:39	CVJ0316	CJ22921
Benzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Top Soil 500-1000cy
 Date Sampled: 10/26/12 10:30
 Percent Solids: 87
 Initial Volume: 5.7
 Final Volume: 10
 Extraction Method: 5035

ESS Laboratory Work Order: 1210554
 ESS Laboratory Sample ID: 1210554-01
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Bromochloromethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Bromodichloromethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Bromoform	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Bromomethane	ND (0.0101)		1	10/29/12 12:39	CVJ0316	CJ22921
Carbon Disulfide	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Carbon Tetrachloride	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Chlorobenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Chloroethane	ND (0.0101)		1	10/29/12 12:39	CVJ0316	CJ22921
Chloroform	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Chloromethane	ND (0.0101)		1	10/29/12 12:39	CVJ0316	CJ22921
cis-1,2-Dichloroethene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
cis-1,3-Dichloropropene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Dibromochloromethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Dibromomethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Dichlorodifluoromethane	ND (0.0101)		1	10/29/12 12:39	CVJ0316	CJ22921
Diethyl Ether	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Di-isopropyl ether	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Ethyl tertiary-butyl ether	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Ethylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Hexachlorobutadiene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Isopropylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Methyl tert-Butyl Ether	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Methylene Chloride	ND (0.0252)		1	10/29/12 12:39	CVJ0316	CJ22921
Naphthalene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
n-Butylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
n-Propylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
sec-Butylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Styrene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
tert-Butylbenzene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Tertiary-amyl methyl ether	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921



ESS Laboratory

Division of Thielsch Engineering, Inc.

BAL Laboratory

The Microbiology Division
of Thielsch Engineering, Inc.



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Top Soil 500-1000cy
Date Sampled: 10/26/12 10:30
Percent Solids: 87
Initial Volume: 5.7
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210554
ESS Laboratory Sample ID: 1210554-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

Analyte	Results (MRL)	Limit	DF	Analyzed	Sequence	Batch
Tetrachloroethene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Tetrahydrofuran	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Toluene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
trans-1,2-Dichloroethene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
trans-1,3-Dichloropropene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Trichloroethene	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Trichlorofluoromethane	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Vinyl Acetate	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Vinyl Chloride	ND (0.0101)		1	10/29/12 12:39	CVJ0316	CJ22921
Xylene O	ND (0.0050)		1	10/29/12 12:39	CVJ0316	CJ22921
Xylene P,M	ND (0.0101)		1	10/29/12 12:39	CVJ0316	CJ22921
Xylenes (Total)	ND (0.0151)		1	10/29/12 12:39		[CALC]

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	87 %		70-130
Surrogate: 4-Bromofluorobenzene	86 %		70-130
Surrogate: Dibromofluoromethane	88 %		70-130
Surrogate: Toluene-d8	100 %		70-130



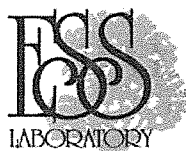
CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Top Soil 500-1000cy
Date Sampled: 10/26/12 10:30
Percent Solids: 87
Initial Volume: 20.8
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1210554
ESS Laboratory Sample ID: 1210554-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/29/12 14:00

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	50.5 (41.4)		1	10/30/12 17:39	CVJ0336	CJ22925
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	<i>93 %</i>		<i>40-140</i>			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Top Soil 500-1000cy
 Date Sampled: 10/26/12 10:30
 Percent Solids: 87
 Initial Volume: 15.8
 Final Volume: 0.5
 Extraction Method: 3546

ESS Laboratory Work Order: 1210554
 ESS Laboratory Sample ID: 1210554-01
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: IBM
 Prepared: 10/30/12 16:30

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
1,2,4-Trichlorobenzene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
1,2-Dichlorobenzene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
1,3-Dichlorobenzene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
1,4-Dichlorobenzene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2,3,4,6-Tetrachlorophenol	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029
2,4,5-Trichlorophenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2,4,6-Trichlorophenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2,4-Dichlorophenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2,4-Dimethylphenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2,4-Dinitrophenol	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029
2,4-Dinitrotoluene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2,6-Dinitrotoluene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2-Chloronaphthalene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2-Chlorophenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2-Methylnaphthalene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2-Methylphenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2-Nitroaniline	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
2-Nitrophenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
3,3'-Dichlorobenzidine	ND (0.728)		1	10/31/12 20:31	CVJ0332	CJ23029
3+4-Methylphenol	ND (0.728)		1	10/31/12 20:31	CVJ0332	CJ23029
3-Nitroaniline	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
4,6-Dinitro-2-Methylphenol	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029
4-Bromophenyl-phenylether	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
4-Chloro-3-Methylphenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
4-Chloroaniline	ND (0.728)		1	10/31/12 20:31	CVJ0332	CJ23029
4-Chloro-phenyl-phenyl ether	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
4-Nitroaniline	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
4-Nitrophenol	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029
Acenaphthene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Acenaphthylene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Top Soil 500-1000cy
Date Sampled: 10/26/12 10:30
Percent Solids: 87
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210554
ESS Laboratory Sample ID: 1210554-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/30/12 16:30

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.728)		1	10/31/12 20:31	CVJ0332	CJ23029
Aniline	ND (0.728)		1	10/31/12 20:31	CVJ0332	CJ23029
Anthracene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Azobenzene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Benzo(a)anthracene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Benzo(a)pyrene	ND (0.182)		1	10/31/12 20:31	CVJ0332	CJ23029
Benzo(b)fluoranthene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Benzo(g,h,i)perylene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Benzo(k)fluoranthene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Benzoic Acid	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029
Benzyl Alcohol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
bis(2-Chloroethoxy)methane	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
bis(2-Chloroethyl)ether	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
bis(2-chloroisopropyl)Ether	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
bis(2-Ethylhexyl)phthalate	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Butylbenzylphthalate	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Carbazole	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Chrysene	0.198 (0.182)		1	10/31/12 20:31	CVJ0332	CJ23029
Dibenzo(a,h)Anthracene	ND (0.182)		1	10/31/12 20:31	CVJ0332	CJ23029
Dibenzofuran	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Diethylphthalate	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Dimethylphthalate	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Di-n-butylphthalate	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Di-n-octylphthalate	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Fluoranthene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Fluorene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Hexachlorobenzene	ND (0.182)		1	10/31/12 20:31	CVJ0332	CJ23029
Hexachlorobutadiene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Hexachlorocyclopentadiene	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029
Hexachloroethane	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Indeno(1,2,3-cd)Pyrene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Top Soil 500-1000cy
Date Sampled: 10/26/12 10:30
Percent Solids: 87
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210554
ESS Laboratory Sample ID: 1210554-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/30/12 16:30

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Naphthalene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Nitrobenzene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
N-Nitrosodimethylamine	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
N-Nitroso-Di-n-Propylamine	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
N-nitrosodiphenylamine	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Pentachlorophenol	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029
Phenanthrene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Phenol	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Pyrene	ND (0.363)		1	10/31/12 20:31	CVJ0332	CJ23029
Pyridine	ND (1.82)		1	10/31/12 20:31	CVJ0332	CJ23029

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>	90 %		30-130
<i>Surrogate: 2,4,6-Tribromophenol</i>	127 %		30-130
<i>Surrogate: 2-Chlorophenol-d4</i>	96 %		30-130
<i>Surrogate: 2-Fluorobiphenyl</i>	95 %		30-130
<i>Surrogate: 2-Fluorophenol</i>	92 %		30-130
<i>Surrogate: Nitrobenzene-d5</i>	89 %		30-130
<i>Surrogate: Phenol-d6</i>	98 %		30-130
<i>Surrogate: p-Terphenyl-d14</i>	102 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Top Soil 500-1000cy
Date Sampled: 10/26/12 10:30
Percent Solids: 87

ESS Laboratory Work Order: 1210554
ESS Laboratory Sample ID: 1210554-01
Sample Matrix: Soil

Classical Chemistry

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>Units</u>	<u>Batch</u>
Corrosivity (pH)	5.36 (N/A)	9045		1	EEM	10/26/12 17:25	S.U.	CJ22632
Corrosivity (pH) Sample Temp	Soil pH measured in water at 21.1 °C.							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CJ23020 - 7471A

Blank

Mercury ND 0.033 mg/kg wet

LCS

Mercury 20.1 2.96 mg/kg wet 25.10 80 80-120

LCS Dup

Mercury 20.7 3.00 mg/kg wet 25.10 82 80-120 3 20

Batch CJ23025 - 3050B

Blank

Arsenic ND 2.5 mg/kg wet
Barium ND 2.5 mg/kg wet
Cadmium ND 0.50 mg/kg wet
Chromium ND 1.0 mg/kg wet
Lead ND 5.0 mg/kg wet
Selenium ND 5.0 mg/kg wet
Silver ND 0.50 mg/kg wet

LCS

Arsenic 153 8.6 mg/kg wet 168.0 91 80-120
Barium 195 8.6 mg/kg wet 213.0 92 80-120
Cadmium 83.2 1.73 mg/kg wet 103.0 81 80-120
Chromium 106 3.4 mg/kg wet 119.0 89 80-120
Lead 64.1 17.2 mg/kg wet 76.90 83 80-120
Selenium 112 17.2 mg/kg wet 126.0 89 80-120
Silver 39.1 1.73 mg/kg wet 42.30 93 80-120

LCS Dup

Arsenic 157 9.1 mg/kg wet 168.0 93 80-120 2 20
Barium 203 9.1 mg/kg wet 213.0 96 80-120 4 20
Cadmium 84.9 1.83 mg/kg wet 103.0 82 80-120 2 20
Chromium 110 3.6 mg/kg wet 119.0 92 80-120 4 20
Lead 64.5 18.2 mg/kg wet 76.90 84 80-120 0.7 20
Selenium 113 18.2 mg/kg wet 126.0 90 80-120 1 20
Silver 40.7 1.83 mg/kg wet 42.30 96 80-120 4 20

5035/8260B Volatile Organic Compounds / Low Level

Batch CJ22921 - 5035

Blank

1,1,1,2-Tetrachloroethane ND 0.0050 mg/kg wet
1,1,1-Trichloroethane ND 0.0050 mg/kg wet
1,1,2,2-Tetrachloroethane ND 0.0050 mg/kg wet
1,1,2-Trichloroethane ND 0.0050 mg/kg wet
1,1-Dichloroethane ND 0.0050 mg/kg wet
1,1-Dichloroethene ND 0.0050 mg/kg wet
1,1-Dichloropropene ND 0.0050 mg/kg wet
1,2,3-Trichlorobenzene ND 0.0050 mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ22921 - 5035

1,2,3-Trichloropropane	ND	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet							
1,2-Dibromoethane	ND	0.0050	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,2-Dichloroethane	ND	0.0050	mg/kg wet							
1,2-Dichloropropane	ND	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,3-Dichloropropane	ND	0.0050	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet							
1,4-Dioxane	ND	0.100	mg/kg wet							
1-Chlorohexane	ND	0.0050	mg/kg wet							
2,2-Dichloropropane	ND	0.0050	mg/kg wet							
2-Butanone	ND	0.0500	mg/kg wet							
2-Chlorotoluene	ND	0.0050	mg/kg wet							
2-Hexanone	ND	0.0500	mg/kg wet							
4-Chlorotoluene	ND	0.0050	mg/kg wet							
4-Isopropyltoluene	ND	0.0050	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet							
Acetone	ND	0.0500	mg/kg wet							
Benzene	ND	0.0050	mg/kg wet							
Bromobenzene	ND	0.0050	mg/kg wet							
Bromochloromethane	ND	0.0050	mg/kg wet							
Bromodichloromethane	ND	0.0050	mg/kg wet							
Bromoform	ND	0.0050	mg/kg wet							
Bromomethane	ND	0.0100	mg/kg wet							
Carbon Disulfide	ND	0.0050	mg/kg wet							
Carbon Tetrachloride	ND	0.0050	mg/kg wet							
Chlorobenzene	ND	0.0050	mg/kg wet							
Chloroethane	ND	0.0100	mg/kg wet							
Chloroform	ND	0.0050	mg/kg wet							
Chloromethane	ND	0.0100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Dibromochloromethane	ND	0.0050	mg/kg wet							
Dibromomethane	ND	0.0050	mg/kg wet							
Dichlorodifluoromethane	ND	0.0100	mg/kg wet							
Diethyl Ether	ND	0.0050	mg/kg wet							
Di-isopropyl ether	ND	0.0050	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet							
Ethylbenzene	ND	0.0050	mg/kg wet							
Hexachlorobutadiene	ND	0.0050	mg/kg wet							
Isopropylbenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ22921 - 5035

Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0453		mg/kg wet	0.05000		91	70-130			
Surrogate: 4-Bromofluorobenzene	0.0435		mg/kg wet	0.05000		87	70-130			
Surrogate: Dibromofluoromethane	0.0452		mg/kg wet	0.05000		90	70-130			
Surrogate: Toluene-d8	0.0413		mg/kg wet	0.05000		83	70-130			

LCS

1,1,1,2-Tetrachloroethane	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
1,1,1-Trichloroethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,1,2,2-Tetrachloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,1,2-Trichloroethane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130			
1,1-Dichloroethane	0.0454	0.0050	mg/kg wet	0.05000		91	70-130			
1,1-Dichloroethene	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
1,1-Dichloropropene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
1,2,3-Trichlorobenzene	0.0467	0.0050	mg/kg wet	0.05000		93	70-130			
1,2,3-Trichloropropane	0.0480	0.0050	mg/kg wet	0.05000		96	70-130			
1,2,4-Trichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130			
1,2,4-Trimethylbenzene	0.0496	0.0050	mg/kg wet	0.05000		99	70-130			
1,2-Dibromo-3-Chloropropane	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			
1,2-Dibromoethane	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
1,2-Dichlorobenzene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
1,2-Dichloroethane	0.0440	0.0050	mg/kg wet	0.05000		88	70-130			
1,2-Dichloropropane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130			
1,3,5-Trimethylbenzene	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
1,3-Dichlorobenzene	0.0458	0.0050	mg/kg wet	0.05000		92	70-130			
1,3-Dichloropropane	0.0455	0.0050	mg/kg wet	0.05000		91	70-130			
1,4-Dichlorobenzene	0.0442	0.0050	mg/kg wet	0.05000		88	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ22921 - 5035

1,4-Dioxane	1.04	0.100	mg/kg wet	1.000		104	70-130			
1-Chlorohexane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
2,2-Dichloropropane	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
2-Butanone	0.263	0.0500	mg/kg wet	0.2500		105	70-130			
2-Chlorotoluene	0.0492	0.0050	mg/kg wet	0.05000		98	70-130			
2-Hexanone	0.250	0.0500	mg/kg wet	0.2500		100	70-130			
4-Chlorotoluene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
4-Isopropyltoluene	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
4-Methyl-2-Pentanone	0.252	0.0500	mg/kg wet	0.2500		101	70-130			
Acetone	0.221	0.0500	mg/kg wet	0.2500		88	70-130			
Benzene	0.0466	0.0050	mg/kg wet	0.05000		93	70-130			
Bromobenzene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130			
Bromochloromethane	0.0461	0.0050	mg/kg wet	0.05000		92	70-130			
Bromodichloromethane	0.0503	0.0050	mg/kg wet	0.05000		101	70-130			
Bromoform	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Bromomethane	0.0561	0.0100	mg/kg wet	0.05000		112	70-130			
Carbon Disulfide	0.0522	0.0050	mg/kg wet	0.05000		104	70-130			
Carbon Tetrachloride	0.0460	0.0050	mg/kg wet	0.05000		92	70-130			
Chlorobenzene	0.0452	0.0050	mg/kg wet	0.05000		90	70-130			
Chloroethane	0.0423	0.0100	mg/kg wet	0.05000		85	70-130			
Chloroform	0.0447	0.0050	mg/kg wet	0.05000		89	70-130			
Chloromethane	0.0433	0.0100	mg/kg wet	0.05000		87	70-130			
cis-1,2-Dichloroethene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130			
cis-1,3-Dichloropropene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Dibromochloromethane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Dibromomethane	0.0448	0.0050	mg/kg wet	0.05000		90	70-130			
Dichlorodifluoromethane	0.0427	0.0100	mg/kg wet	0.05000		85	70-130			
Diethyl Ether	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Di-isopropyl ether	0.0478	0.0050	mg/kg wet	0.05000		96	70-130			
Ethyl tertiary-butyl ether	0.0485	0.0050	mg/kg wet	0.05000		97	70-130			
Ethylbenzene	0.0488	0.0050	mg/kg wet	0.05000		98	70-130			
Hexachlorobutadiene	0.0462	0.0050	mg/kg wet	0.05000		92	70-130			
Isopropylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130			
Methyl tert-Butyl Ether	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Methylene Chloride	0.0457	0.0250	mg/kg wet	0.05000		91	70-130			
Naphthalene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130			
n-Butylbenzene	0.0498	0.0050	mg/kg wet	0.05000		100	70-130			
n-Propylbenzene	0.0512	0.0050	mg/kg wet	0.05000		102	70-130			
sec-Butylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130			
Styrene	0.0486	0.0050	mg/kg wet	0.05000		97	70-130			
tert-Butylbenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Tertiary-amyl methyl ether	0.0494	0.0050	mg/kg wet	0.05000		99	70-130			
Tetrachloroethene	0.0384	0.0050	mg/kg wet	0.05000		77	70-130			
Tetrahydrofuran	0.0439	0.0050	mg/kg wet	0.05000		88	70-130			
Toluene	0.0482	0.0050	mg/kg wet	0.05000		96	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.

Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ22921 - 5035

trans-1,2-Dichloroethene	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
trans-1,3-Dichloropropene	0.0553	0.0050	mg/kg wet	0.05000		111	70-130			
Trichloroethene	0.0470	0.0050	mg/kg wet	0.05000		94	70-130			
Trichlorofluoromethane	0.0428	0.0050	mg/kg wet	0.05000		86	70-130			
Vinyl Acetate	0.0479	0.0050	mg/kg wet	0.05000		96	70-130			
Vinyl Chloride	0.0462	0.0100	mg/kg wet	0.05000		92	70-130			
Xylene O	0.0477	0.0050	mg/kg wet	0.05000		95	70-130			
Xylene P,M	0.0953	0.0100	mg/kg wet	0.1000		95	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0460		mg/kg wet	0.05000		92	70-130			
Surrogate: 4-Bromofluorobenzene	0.0468		mg/kg wet	0.05000		94	70-130			
Surrogate: Dibromofluoromethane	0.0490		mg/kg wet	0.05000		98	70-130			
Surrogate: Toluene-d8	0.0504		mg/kg wet	0.05000		101	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	0.0470	0.0050	mg/kg wet	0.05000		94	70-130	0.7	25	
1,1,1-Trichloroethane	0.0468	0.0050	mg/kg wet	0.05000		94	70-130	0.7	25	
1,1,2,2-Tetrachloroethane	0.0550	0.0050	mg/kg wet	0.05000		110	70-130	16	25	
1,1,2-Trichloroethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
1,1-Dichloroethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	1	25	
1,1-Dichloroethene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	2	25	
1,1-Dichloropropene	0.0515	0.0050	mg/kg wet	0.05000		103	70-130	0.9	25	
1,2,3-Trichlorobenzene	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	0.9	25	
1,2,3-Trichloropropane	0.0557	0.0050	mg/kg wet	0.05000		111	70-130	15	25	
1,2,4-Trichlorobenzene	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	1	25	
1,2,4-Trimethylbenzene	0.0511	0.0050	mg/kg wet	0.05000		102	70-130	3	25	
1,2-Dibromo-3-Chloropropane	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
1,2-Dibromoethane	0.0464	0.0050	mg/kg wet	0.05000		93	70-130	0.6	25	
1,2-Dichlorobenzene	0.0483	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
1,2-Dichloroethane	0.0446	0.0050	mg/kg wet	0.05000		89	70-130	1	25	
1,2-Dichloropropane	0.0473	0.0050	mg/kg wet	0.05000		95	70-130	2	25	
1,3,5-Trimethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
1,3-Dichlorobenzene	0.0480	0.0050	mg/kg wet	0.05000		96	70-130	5	25	
1,3-Dichloropropane	0.0456	0.0050	mg/kg wet	0.05000		91	70-130	0.2	25	
1,4-Dichlorobenzene	0.0454	0.0050	mg/kg wet	0.05000		91	70-130	3	25	
1,4-Dioxane	0.972	0.100	mg/kg wet	1.000		97	70-130	7	20	
1-Chlorohexane	0.0489	0.0050	mg/kg wet	0.05000		98	70-130	0.6	25	
2,2-Dichloropropane	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.3	25	
2-Butanone	0.268	0.0500	mg/kg wet	0.2500		107	70-130	2	25	
2-Chlorotoluene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
2-Hexanone	0.250	0.0500	mg/kg wet	0.2500		100	70-130	0.2	25	
4-Chlorotoluene	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
4-Isopropyltoluene	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	3	25	
4-Methyl-2-Pentanone	0.257	0.0500	mg/kg wet	0.2500		103	70-130	2	25	
Acetone	0.238	0.0500	mg/kg wet	0.2500		95	70-130	7	25	
Benzene	0.0472	0.0050	mg/kg wet	0.05000		94	70-130	1	25	
Bromobenzene	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	5	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Low Level										
Batch CJ22921 - 5035										
Bromochloromethane	0.0469	0.0050	mg/kg wet	0.05000	94	70-130	2	25		
Bromodichloromethane	0.0512	0.0050	mg/kg wet	0.05000	102	70-130	2	25		
Bromoform	0.0510	0.0050	mg/kg wet	0.05000	102	70-130	1	25		
Bromomethane	0.0555	0.0100	mg/kg wet	0.05000	111	70-130	1	25		
Carbon Disulfide	0.0583	0.0050	mg/kg wet	0.05000	117	70-130	11	25		
Carbon Tetrachloride	0.0465	0.0050	mg/kg wet	0.05000	93	70-130	1	25		
Chlorobenzene	0.0502	0.0050	mg/kg wet	0.05000	100	70-130	11	25		
Chloroethane	0.0489	0.0100	mg/kg wet	0.05000	98	70-130	14	25		
Chloroform	0.0455	0.0050	mg/kg wet	0.05000	91	70-130	2	25		
Chloromethane	0.0431	0.0100	mg/kg wet	0.05000	86	70-130	0.6	25		
cis-1,2-Dichloroethene	0.0493	0.0050	mg/kg wet	0.05000	99	70-130	1	25		
cis-1,3-Dichloropropene	0.0515	0.0050	mg/kg wet	0.05000	103	70-130	0.9	25		
Dibromochloromethane	0.0503	0.0050	mg/kg wet	0.05000	101	70-130	1	25		
Dibromomethane	0.0457	0.0050	mg/kg wet	0.05000	91	70-130	2	25		
Dichlorodifluoromethane	0.0428	0.0100	mg/kg wet	0.05000	86	70-130	0.1	25		
Diethyl Ether	0.0495	0.0050	mg/kg wet	0.05000	99	70-130	4	25		
Di-isopropyl ether	0.0487	0.0050	mg/kg wet	0.05000	97	70-130	2	25		
Ethyl tertiary-butyl ether	0.0494	0.0050	mg/kg wet	0.05000	99	70-130	2	25		
Ethylbenzene	0.0486	0.0050	mg/kg wet	0.05000	97	70-130	0.5	25		
Hexachlorobutadiene	0.0472	0.0050	mg/kg wet	0.05000	94	70-130	2	25		
Isopropylbenzene	0.0570	0.0050	mg/kg wet	0.05000	114	70-130	11	25		
Methyl tert-Butyl Ether	0.0507	0.0050	mg/kg wet	0.05000	101	70-130	3	25		
Methylene Chloride	0.0469	0.0250	mg/kg wet	0.05000	94	70-130	3	25		
Naphthalene	0.0490	0.0050	mg/kg wet	0.05000	98	70-130	2	25		
n-Butylbenzene	0.0507	0.0050	mg/kg wet	0.05000	101	70-130	2	25		
n-Propylbenzene	0.0526	0.0050	mg/kg wet	0.05000	105	70-130	3	25		
sec-Butylbenzene	0.0552	0.0050	mg/kg wet	0.05000	110	70-130	7	25		
Styrene	0.0551	0.0050	mg/kg wet	0.05000	110	70-130	12	25		
tert-Butylbenzene	0.0518	0.0050	mg/kg wet	0.05000	104	70-130	4	25		
Tertiary-amyl methyl ether	0.0511	0.0050	mg/kg wet	0.05000	102	70-130	3	25		
Tetrachloroethene	0.0389	0.0050	mg/kg wet	0.05000	78	70-130	1	25		
Tetrahydrofuran	0.0438	0.0050	mg/kg wet	0.05000	88	70-130	0.3	25		
Toluene	0.0496	0.0050	mg/kg wet	0.05000	99	70-130	3	25		
trans-1,2-Dichloroethene	0.0498	0.0050	mg/kg wet	0.05000	100	70-130	1	25		
trans-1,3-Dichloropropene	0.0563	0.0050	mg/kg wet	0.05000	113	70-130	2	25		
Trichloroethene	0.0465	0.0050	mg/kg wet	0.05000	93	70-130	1	25		
Trichlorofluoromethane	0.0430	0.0050	mg/kg wet	0.05000	86	70-130	0.3	25		
Vinyl Acetate	0.0491	0.0050	mg/kg wet	0.05000	98	70-130	3	25		
Vinyl Chloride	0.0466	0.0100	mg/kg wet	0.05000	93	70-130	0.9	25		
Xylene O	0.0540	0.0050	mg/kg wet	0.05000	108	70-130	12	25		
Xylene P,M	0.0954	0.0100	mg/kg wet	0.1000	95	70-130	0.2	25		
Surrogate: 1,2-Dichloroethane-d4	0.0442		mg/kg wet	0.05000	88	70-130				
Surrogate: 4-Bromofluorobenzene	0.0493		mg/kg wet	0.05000	99	70-130				
Surrogate: Dibromofluoromethane	0.0470		mg/kg wet	0.05000	94	70-130				
Surrogate: Toluene-d8	0.0492		mg/kg wet	0.05000	98	70-130				



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CJ22925 - 3546

Blank

Decane (C10)	ND	0.2	mg/kg wet
Docosane (C22)	ND	0.2	mg/kg wet
Dodecane (C12)	ND	0.2	mg/kg wet
Eicosane (C20)	ND	0.2	mg/kg wet
Hexacosane (C26)	ND	0.2	mg/kg wet
Hexadecane (C16)	ND	0.2	mg/kg wet
Nonadecane (C19)	ND	0.2	mg/kg wet
Nonane (C9)	ND	0.2	mg/kg wet
Octacosane (C28)	ND	0.2	mg/kg wet
Octadecane (C18)	ND	0.2	mg/kg wet
Tetracosane (C24)	ND	0.2	mg/kg wet
Tetradecane (C14)	ND	0.2	mg/kg wet
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet
Triacotane (C30)	ND	0.2	mg/kg wet

Surrogate: O-Terphenyl 3.57 mg/kg wet 5.000 71 40-140

LCS

Decane (C10)	2.0	0.2	mg/kg wet	2.500	82	40-140
Docosane (C22)	2.3	0.2	mg/kg wet	2.500	92	40-140
Dodecane (C12)	2.2	0.2	mg/kg wet	2.500	87	40-140
Eicosane (C20)	2.3	0.2	mg/kg wet	2.500	90	40-140
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500	91	40-140
Hexadecane (C16)	2.2	0.2	mg/kg wet	2.500	89	40-140
Nonadecane (C19)	2.4	0.2	mg/kg wet	2.500	95	40-140
Nonane (C9)	1.7	0.2	mg/kg wet	2.500	69	30-140
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500	91	40-140
Octadecane (C18)	2.3	0.2	mg/kg wet	2.500	90	40-140
Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500	92	40-140
Tetradecane (C14)	2.2	0.2	mg/kg wet	2.500	87	40-140
Total Petroleum Hydrocarbons	29.0	37.5	mg/kg wet	35.00	83	40-140
Triacotane (C30)	2.3	0.2	mg/kg wet	2.500	91	40-140

Surrogate: O-Terphenyl 4.77 mg/kg wet 5.000 95 40-140

LCS Dup

Decane (C10)	2.5	0.2	mg/kg wet	2.500	99	40-140	19	50
Docosane (C22)	2.8	0.2	mg/kg wet	2.500	114	40-140	22	50
Dodecane (C12)	2.7	0.2	mg/kg wet	2.500	106	40-140	20	50
Eicosane (C20)	2.8	0.2	mg/kg wet	2.500	112	40-140	21	50
Hexacosane (C26)	2.9	0.2	mg/kg wet	2.500	114	40-140	22	50
Hexadecane (C16)	2.8	0.2	mg/kg wet	2.500	110	40-140	21	50
Nonadecane (C19)	2.9	0.2	mg/kg wet	2.500	114	40-140	18	50
Nonane (C9)	2.1	0.2	mg/kg wet	2.500	83	30-140	19	50
Octacosane (C28)	2.9	0.2	mg/kg wet	2.500	114	40-140	23	50
Octadecane (C18)	2.8	0.2	mg/kg wet	2.500	111	40-140	21	50



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.

Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CJ22925 - 3546

Tetracosane (C24)	2.9	0.2	mg/kg wet	2.500		115	40-140	22	50	
Tetradecane (C14)	2.7	0.2	mg/kg wet	2.500		107	40-140	21	50	
Total Petroleum Hydrocarbons	37.2	37.5	mg/kg wet	35.00		106	40-140	25	50	
Triacotane (C30)	2.9	0.2	mg/kg wet	2.500		115	40-140	24	50	

Surrogate: *O-Terphenyl*

5.76 mg/kg wet 5.000 115 40-140

8270C Semi-Volatile Organic Compounds

Batch CJ23029 - 3546

Blank										
1,1-Biphenyl	ND	0.333	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet							
1,2-Dichlorobenzene	ND	0.333	mg/kg wet							
1,3-Dichlorobenzene	ND	0.333	mg/kg wet							
1,4-Dichlorobenzene	ND	0.333	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet							
2,4-Dichlorophenol	ND	0.333	mg/kg wet							
2,4-Dimethylphenol	ND	0.333	mg/kg wet							
2,4-Dinitrophenol	ND	1.67	mg/kg wet							
2,4-Dinitrotoluene	ND	0.333	mg/kg wet							
2,6-Dinitrotoluene	ND	0.333	mg/kg wet							
2-Chloronaphthalene	ND	0.333	mg/kg wet							
2-Chlorophenol	ND	0.333	mg/kg wet							
2-Methylnaphthalene	ND	0.333	mg/kg wet							
2-Methylphenol	ND	0.333	mg/kg wet							
2-Nitroaniline	ND	0.333	mg/kg wet							
2-Nitrophenol	ND	0.333	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet							
3+4-Methylphenol	ND	0.667	mg/kg wet							
3-Nitroaniline	ND	0.333	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet							
4-Chloroaniline	ND	0.667	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet							
4-Nitroaniline	ND	0.333	mg/kg wet							
4-Nitrophenol	ND	1.67	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Acetophenone	ND	0.667	mg/kg wet							
Aniline	ND	0.667	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Azobenzene	ND	0.333	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ23029 - 3546

Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.72		mg/kg wet	3.333		82	30-130			
Surrogate: 2,4,6-Tribromophenol	5.62		mg/kg wet	5.000		112	30-130			
Surrogate: 2-Chlorophenol-d4	4.33		mg/kg wet	5.000		87	30-130			
Surrogate: 2-Fluorobiphenyl	2.79		mg/kg wet	3.333		84	30-130			
Surrogate: 2-Fluorophenol	4.15		mg/kg wet	5.000		83	30-130			
Surrogate: Nitrobenzene-d5	2.68		mg/kg wet	3.333		80	30-130			
Surrogate: Phenol-d6	4.38		mg/kg wet	5.000		88	30-130			
Surrogate: p-Terphenyl-d14	3.37		mg/kg wet	3.333		101	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ23029 - 3546

LCS

1,1-Biphenyl	2.66	0.333	mg/kg wet	3.333		80	40-140			
1,2,4-Trichlorobenzene	2.70	0.333	mg/kg wet	3.333		81	40-140			
1,2-Dichlorobenzene	2.63	0.333	mg/kg wet	3.333		79	40-140			
1,3-Dichlorobenzene	2.56	0.333	mg/kg wet	3.333		77	40-140			
1,4-Dichlorobenzene	2.56	0.333	mg/kg wet	3.333		77	40-140			
2,3,4,6-Tetrachlorophenol	3.43	1.67	mg/kg wet	3.333		103	30-130			
2,4,5-Trichlorophenol	3.27	0.333	mg/kg wet	3.333		98	30-130			
2,4,6-Trichlorophenol	3.02	0.333	mg/kg wet	3.333		91	30-130			
2,4-Dichlorophenol	2.89	0.333	mg/kg wet	3.333		87	30-130			
2,4-Dimethylphenol	2.76	0.333	mg/kg wet	3.333		83	30-130			
2,4-Dinitrophenol	2.71	1.67	mg/kg wet	3.333		81	30-130			
2,4-Dinitrotoluene	3.07	0.333	mg/kg wet	3.333		92	40-140			
2,6-Dinitrotoluene	3.05	0.333	mg/kg wet	3.333		91	40-140			
2-Chloronaphthalene	2.52	0.333	mg/kg wet	3.333		76	40-140			
2-Chlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130			
2-Methylnaphthalene	2.71	0.333	mg/kg wet	3.333		81	40-140			
2-Methylphenol	2.69	0.333	mg/kg wet	3.333		81	30-130			
2-Nitroaniline	2.31	0.333	mg/kg wet	3.333		69	40-140			
2-Nitrophenol	2.84	0.333	mg/kg wet	3.333		85	30-130			
3,3'-Dichlorobenzidine	2.96	0.667	mg/kg wet	3.333		89	40-140			
3+4-Methylphenol	5.53	0.667	mg/kg wet	6.667		83	30-130			
3-Nitroaniline	2.74	0.333	mg/kg wet	3.333		82	40-140			
4,6-Dinitro-2-Methylphenol	3.03	1.67	mg/kg wet	3.333		91	30-130			
4-Bromophenyl-phenylether	3.13	0.333	mg/kg wet	3.333		94	40-140			
4-Chloro-3-Methylphenol	2.92	0.333	mg/kg wet	3.333		88	30-130			
4-Chloroaniline	2.30	0.667	mg/kg wet	3.333		69	40-140			
4-Chloro-phenyl-phenyl ether	2.98	0.333	mg/kg wet	3.333		89	40-140			
4-Nitroaniline	2.99	0.333	mg/kg wet	3.333		90	40-140			
4-Nitrophenol	2.77	1.67	mg/kg wet	3.333		83	30-130			
Acenaphthene	2.85	0.333	mg/kg wet	3.333		86	40-140			
Acenaphthylene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Acetophenone	2.69	0.667	mg/kg wet	3.333		81	40-140			
Aniline	2.21	0.667	mg/kg wet	3.333		66	40-140			
Anthracene	3.15	0.333	mg/kg wet	3.333		95	40-140			
Azobenzene	2.52	0.333	mg/kg wet	3.333		75	40-140			
Benzo(a)anthracene	3.16	0.333	mg/kg wet	3.333		95	40-140			
Benzo(a)pyrene	2.96	0.167	mg/kg wet	3.333		89	40-140			
Benzo(b)fluoranthene	3.18	0.333	mg/kg wet	3.333		95	40-140			
Benzo(g,h,i)perylene	3.37	0.333	mg/kg wet	3.333		101	40-140			
Benzo(k)fluoranthene	3.30	0.333	mg/kg wet	3.333		99	40-140			
Benzoic Acid	2.76	1.67	mg/kg wet	3.333		83	40-140			
Benzyl Alcohol	2.66	0.333	mg/kg wet	3.333		80	40-140			
bis(2-Chloroethoxy)methane	2.59	0.333	mg/kg wet	3.333		78	40-140			
bis(2-Chloroethyl)ether	2.56	0.333	mg/kg wet	3.333		77	40-140			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ23029 - 3546

bis(2-chloroisopropyl)Ether	2.57	0.333	mg/kg wet	3.333		77	40-140			
bis(2-Ethylhexyl)phthalate	3.01	0.333	mg/kg wet	3.333		90	40-140			
Butylbenzylphthalate	2.92	0.333	mg/kg wet	3.333		88	40-140			
Carbazole	2.94	0.333	mg/kg wet	3.333		88	40-140			
Chrysene	3.18	0.167	mg/kg wet	3.333		95	40-140			
Dibenzo(a,h)Anthracene	3.35	0.167	mg/kg wet	3.333		101	40-140			
Dibenzofuran	2.78	0.333	mg/kg wet	3.333		83	40-140			
Diethylphthalate	3.00	0.333	mg/kg wet	3.333		90	40-140			
Dimethylphthalate	2.93	0.333	mg/kg wet	3.333		88	40-140			
Di-n-butylphthalate	3.03	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	2.97	0.333	mg/kg wet	3.333		89	40-140			
Fluoranthene	3.08	0.333	mg/kg wet	3.333		92	40-140			
Fluorene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Hexachlorobenzene	3.19	0.167	mg/kg wet	3.333		96	40-140			
Hexachlorobutadiene	2.86	0.333	mg/kg wet	3.333		86	40-140			
Hexachlorocyclopentadiene	1.69	1.67	mg/kg wet	3.333		51	40-140			
Hexachloroethane	2.58	0.333	mg/kg wet	3.333		78	40-140			
Indeno(1,2,3-cd)Pyrene	3.33	0.333	mg/kg wet	3.333		100	40-140			
Isophorone	2.44	0.333	mg/kg wet	3.333		73	40-140			
Naphthalene	2.68	0.333	mg/kg wet	3.333		80	40-140			
Nitrobenzene	2.55	0.333	mg/kg wet	3.333		76	40-140			
N-Nitrosodimethylamine	1.82	0.333	mg/kg wet	3.333		55	40-140			
N-Nitroso-Di-n-Propylamine	2.51	0.333	mg/kg wet	3.333		75	40-140			
N-nitrosodiphenylamine	2.96	0.333	mg/kg wet	3.333		89	40-140			
Pentachlorophenol	3.43	1.67	mg/kg wet	3.333		103	30-130			
Phenanthrene	3.12	0.333	mg/kg wet	3.333		94	40-140			
Phenol	2.68	0.333	mg/kg wet	3.333		80	30-130			
Pyrene	3.19	0.333	mg/kg wet	3.333		96	40-140			
Pyridine	1.54	1.67	mg/kg wet	3.333		46	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	2.70		mg/kg wet	3.333		81	30-130			
Surrogate: 2,4,6-Tribromophenol	5.86		mg/kg wet	5.000		117	30-130			
Surrogate: 2-Chlorophenol-d4	4.29		mg/kg wet	5.000		86	30-130			
Surrogate: 2-Fluorobiphenyl	2.87		mg/kg wet	3.333		86	30-130			
Surrogate: 2-Fluorophenol	4.10		mg/kg wet	5.000		82	30-130			
Surrogate: Nitrobenzene-d5	2.67		mg/kg wet	3.333		80	30-130			
Surrogate: Phenol-d6	4.33		mg/kg wet	5.000		87	30-130			
Surrogate: p-Terphenyl-d14	3.36		mg/kg wet	3.333		101	30-130			

LCS Dup

1,1-Biphenyl	2.82	0.333	mg/kg wet	3.333		85	40-140	6	30	
1,2,4-Trichlorobenzene	2.79	0.333	mg/kg wet	3.333		84	40-140	3	30	
1,2-Dichlorobenzene	2.68	0.333	mg/kg wet	3.333		81	40-140	2	30	
1,3-Dichlorobenzene	2.58	0.333	mg/kg wet	3.333		77	40-140	0.5	30	
1,4-Dichlorobenzene	2.64	0.333	mg/kg wet	3.333		79	40-140	3	30	
2,3,4,6-Tetrachlorophenol	3.52	1.67	mg/kg wet	3.333		106	30-130	3	30	
2,4,5-Trichlorophenol	3.34	0.333	mg/kg wet	3.333		100	30-130	2	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.

Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ23029 - 3546

2,4,6-Trichlorophenol	3.15	0.333	mg/kg wet	3.333		94	30-130	4	30	
2,4-Dichlorophenol	3.05	0.333	mg/kg wet	3.333		92	30-130	5	30	
2,4-Dimethylphenol	2.88	0.333	mg/kg wet	3.333		86	30-130	4	30	
2,4-Dinitrophenol	2.88	1.67	mg/kg wet	3.333		86	30-130	6	30	
2,4-Dinitrotoluene	3.14	0.333	mg/kg wet	3.333		94	40-140	2	30	
2,6-Dinitrotoluene	3.11	0.333	mg/kg wet	3.333		93	40-140	2	30	
2-Chloronaphthalene	2.65	0.333	mg/kg wet	3.333		80	40-140	5	30	
2-Chlorophenol	2.70	0.333	mg/kg wet	3.333		81	30-130	3	30	
2-Methylnaphthalene	2.82	0.333	mg/kg wet	3.333		85	40-140	4	30	
2-Methylphenol	2.82	0.333	mg/kg wet	3.333		85	30-130	5	30	
2-Nitroaniline	2.38	0.333	mg/kg wet	3.333		71	40-140	3	30	
2-Nitrophenol	2.98	0.333	mg/kg wet	3.333		89	30-130	5	30	
3,3'-Dichlorobenzidine	2.97	0.667	mg/kg wet	3.333		89	40-140	0.3	30	
3+4-Methylphenol	5.76	0.667	mg/kg wet	6.667		86	30-130	4	30	
3-Nitroaniline	2.78	0.333	mg/kg wet	3.333		83	40-140	1	30	
4,6-Dinitro-2-Methylphenol	3.07	1.67	mg/kg wet	3.333		92	30-130	1	30	
4-Bromophenyl-phenylether	3.16	0.333	mg/kg wet	3.333		95	40-140	1	30	
4-Chloro-3-Methylphenol	2.99	0.333	mg/kg wet	3.333		90	30-130	2	30	
4-Chloroaniline	2.34	0.667	mg/kg wet	3.333		70	40-140	2	30	
4-Chloro-phenyl-phenyl ether	3.07	0.333	mg/kg wet	3.333		92	40-140	3	30	
4-Nitroaniline	3.02	0.333	mg/kg wet	3.333		91	40-140	0.9	30	
4-Nitrophenol	2.76	1.67	mg/kg wet	3.333		83	30-130	0.4	30	
Acenaphthene	2.98	0.333	mg/kg wet	3.333		89	40-140	4	30	
Acenaphthylene	2.55	0.333	mg/kg wet	3.333		77	40-140	4	30	
Acetophenone	2.79	0.667	mg/kg wet	3.333		84	40-140	4	30	
Aniline	2.30	0.667	mg/kg wet	3.333		69	40-140	4	30	
Anthracene	3.19	0.333	mg/kg wet	3.333		96	40-140	1	30	
Azobenzene	2.55	0.333	mg/kg wet	3.333		76	40-140	1	30	
Benzo(a)anthracene	3.16	0.333	mg/kg wet	3.333		95	40-140	0.03	30	
Benzo(a)pyrene	3.02	0.167	mg/kg wet	3.333		91	40-140	2	30	
Benzo(b)fluoranthene	3.20	0.333	mg/kg wet	3.333		96	40-140	0.6	30	
Benzo(g,h,i)perylene	3.41	0.333	mg/kg wet	3.333		102	40-140	1	30	
Benzo(k)fluoranthene	3.38	0.333	mg/kg wet	3.333		101	40-140	2	30	
Benzoic Acid	2.80	1.67	mg/kg wet	3.333		84	40-140	2	30	
Benzyl Alcohol	2.76	0.333	mg/kg wet	3.333		83	40-140	4	30	
bis(2-Chloroethoxy)methane	2.70	0.333	mg/kg wet	3.333		81	40-140	4	30	
bis(2-Chloroethyl)ether	2.64	0.333	mg/kg wet	3.333		79	40-140	3	30	
bis(2-chloroisopropyl)Ether	2.63	0.333	mg/kg wet	3.333		79	40-140	2	30	
bis(2-Ethylhexyl)phthalate	3.00	0.333	mg/kg wet	3.333		90	40-140	0.1	30	
Butylbenzylphthalate	2.91	0.333	mg/kg wet	3.333		87	40-140	0.4	30	
Carbazole	2.97	0.333	mg/kg wet	3.333		89	40-140	1	30	
Chrysene	3.19	0.167	mg/kg wet	3.333		96	40-140	0.4	30	
Dibenzo(a,h)Anthracene	3.43	0.167	mg/kg wet	3.333		103	40-140	2	30	
Dibenzofuran	2.89	0.333	mg/kg wet	3.333		87	40-140	4	30	
Diethylphthalate	3.02	0.333	mg/kg wet	3.333		91	40-140	0.6	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ23029 - 3546

Dimethylphthalate	3.00	0.333	mg/kg wet	3.333		90	40-140	2	30	
Di-n-butylphthalate	3.04	0.333	mg/kg wet	3.333		91	40-140	0.4	30	
Di-n-octylphthalate	3.00	0.333	mg/kg wet	3.333		90	40-140	1	30	
Fluoranthene	3.09	0.333	mg/kg wet	3.333		93	40-140	0.3	30	
Fluorene	3.08	0.333	mg/kg wet	3.333		92	40-140	3	30	
Hexachlorobenzene	3.23	0.167	mg/kg wet	3.333		97	40-140	1	30	
Hexachlorobutadiene	2.92	0.333	mg/kg wet	3.333		88	40-140	2	30	
Hexachlorocyclopentadiene	1.70	1.67	mg/kg wet	3.333		51	40-140	0.6	30	
Hexachloroethane	2.62	0.333	mg/kg wet	3.333		79	40-140	1	30	
Indeno(1,2,3-cd)Pyrene	3.41	0.333	mg/kg wet	3.333		102	40-140	2	30	
Isophorone	2.57	0.333	mg/kg wet	3.333		77	40-140	5	30	
Naphthalene	2.76	0.333	mg/kg wet	3.333		83	40-140	3	30	
Nitrobenzene	2.64	0.333	mg/kg wet	3.333		79	40-140	4	30	
N-Nitrosodimethylamine	1.87	0.333	mg/kg wet	3.333		56	40-140	2	30	
N-Nitroso-Di-n-Propylamine	2.61	0.333	mg/kg wet	3.333		78	40-140	4	30	
N-nitrosodiphenylamine	2.98	0.333	mg/kg wet	3.333		89	40-140	0.5	30	
Pentachlorophenol	3.48	1.67	mg/kg wet	3.333		104	30-130	1	30	
Phenanthrene	3.15	0.333	mg/kg wet	3.333		94	40-140	0.8	30	
Phenol	2.73	0.333	mg/kg wet	3.333		82	30-130	2	30	
Pyrene	3.19	0.333	mg/kg wet	3.333		96	40-140	0.1	30	
Pyridine	1.53	1.67	mg/kg wet	3.333		46	40-140	0.8	30	
Surrogate: 1,2-Dichlorobenzene-d4	2.73		mg/kg wet	3.333		82	30-130			
Surrogate: 2,4,6-Tribromophenol	5.88		mg/kg wet	5.000		118	30-130			
Surrogate: 2-Chlorophenol-d4	4.39		mg/kg wet	5.000		88	30-130			
Surrogate: 2-Fluorobiphenyl	3.02		mg/kg wet	3.333		91	30-130			
Surrogate: 2-Fluorophenol	4.18		mg/kg wet	5.000		84	30-130			
Surrogate: Nitrobenzene-d5	2.75		mg/kg wet	3.333		82	30-130			
Surrogate: Phenol-d6	4.50		mg/kg wet	5.000		90	30-130			
Surrogate: p-Terphenyl-d14	3.34		mg/kg wet	3.333		100	30-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

Notes and Definitions

- Z-10 Soil pH measured in water at 21.1 °C.
- U Analyte included in the analysis, but not detected
- Q Calibration required quadratic regression (Q).
- ICV Initial Calibration Verification recovery is outside of control limit (ICV).
- D Diluted.
- C+ Continuing Calibration recovery is above upper control limit (C+).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210554

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750
http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002
http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002
<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://www4.egov.nh.gov/des/nhelap/namesearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313
<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301
http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01
Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)
<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141
Lead Paint, Lead in Children's Metals Jewelry
<http://www.cpsc.gov/cgi-bin/labapplist.aspx>



ESS Laboratory

Division of Thielisch Engineering, Inc.

106 South Street, Hopkinton, MA 01748

Tel. (508) 435-9244 Fax (508) 435-9912

www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # 1210554

Turn Time Standard Other _____

Reporting Limits - _____

Regulatory State: MA NH NJ NY ME Other _____

Is this project for any of the following: (please circle)
 MA-MCP Navy USACE CT DEP Other _____

Electronic Deliverables Excel Access PDF

Co. Name **E.T. & L. Corp.**

Project # **015-74-12-0003.13J**

Project Name **TEXTRON SITE**

Contact Person **JAY / MATT POLSKY**

Proj. Location **PROVIDENCE R.I.**

Address **873 GREAT ROAD**

City, State **STON, MA**

Zip **01775**

PO #

Tel. **978-897-4353**

Fax **978-897-0779**

email:

Analysis

ESS Lab ID	Date	Collection Time	Grab-G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis
01	10-26-12	10:30	G	S	TOPSOIL S00-1000 ggs		6	6		X VOC
										X 3 VOC
										X TPH
										X R8 METALS
										X SIEVE ANALYSIS
										X ORG. CONTENT
										X PH

Container Type: P-Poly G-Glass AG-Amber Glass S-sterile V-VGA

Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Waxes F-Filler

Cooler Present Yes No Internal Use Only Pickup

Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Ascorbic Acid, 8-ZnAc2, 9-_____

Seals Intact Yes No NA: [] Technician

Sampled by: *John D. Dugan*

Cooler Temperature: 47°C

Comments: **QUESTIONS TO MATT POLSKY**

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CMAA VIIA

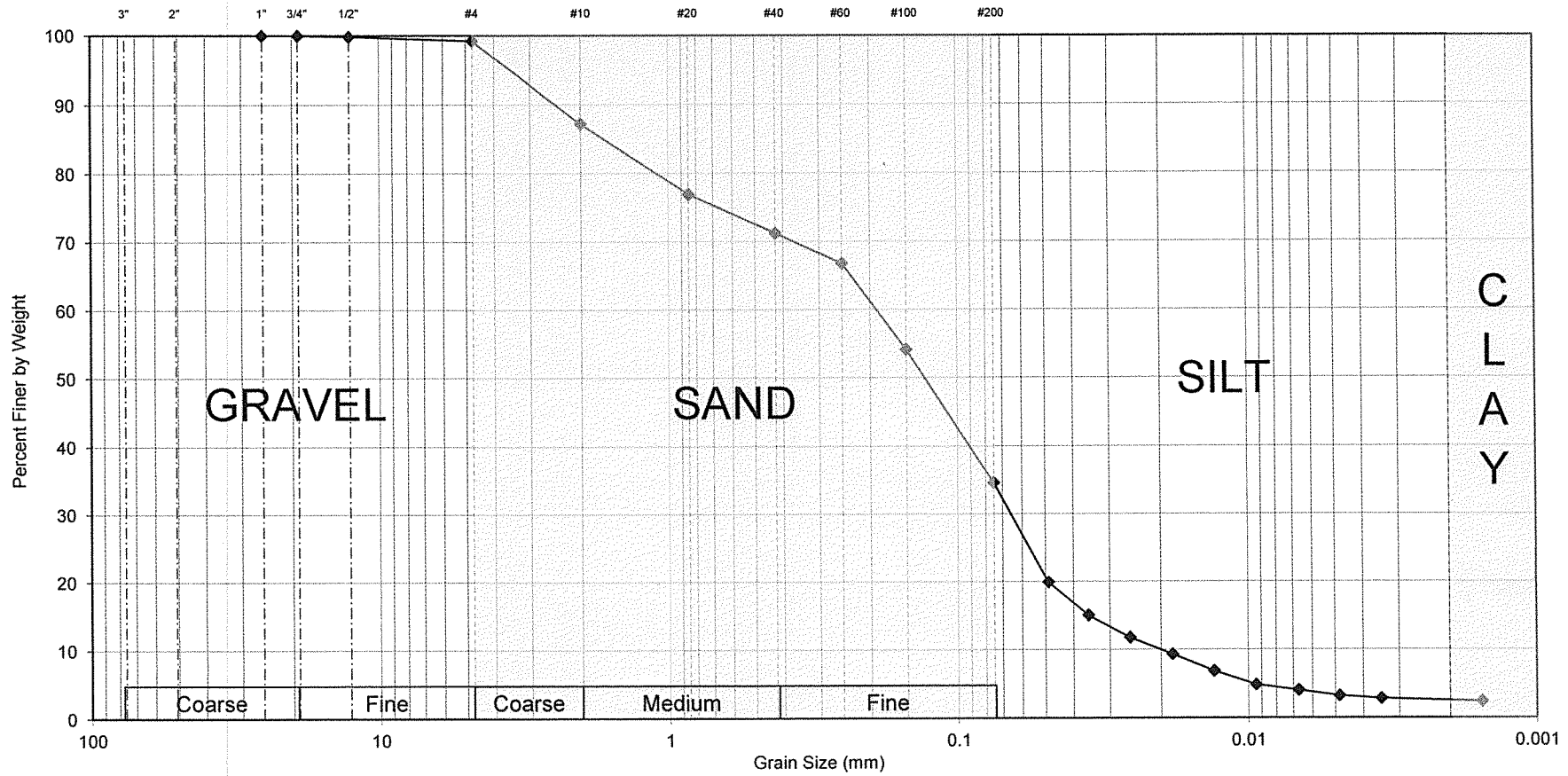
Please fax to the laboratory all changes to Chain of Custody

1 (White) Lab Copy

Report Method Blank & Laboratory Control Sample Results

2 (Yellow) Client Receipt

U.S. STANDARD SIEVE AND HYDROMETER



Gravel
0.8%

Sand
64.6%

Fines
34.6%

Lab #	Source	Material	Sample Date	Description	WC	LL	PL	PI
358	P.J. Keating	Infield Mix	10/5/12	Gray Silty Sand (SM)				

Sieve Size	% Passing
3/4"	100.0
1/2"	99.8
#4	99.2
#10	87.2
#20	76.9
#40	71.2
#60	66.8
#100	54.1
#200	34.6



Textron Site
 Providence, RI
 Thielsch CTS File # 74-12-0003.13J
 Tested by: PEC Date: 10/9/12
 Reviewed by: MBP Date: 10/9/12

ASTM D-1557 MODIFIED COMPACTION TEST



Project Textron Site
Location Providence, RI

File Number CTS-74-12-0003.13J
Test Number MC 358
Source P.J. Keating
Sample Source

Date 10/12/12
Technician GG
Reviewer MBP
Material Infield Mix

Soil Description Gray Silty Sand (SM)

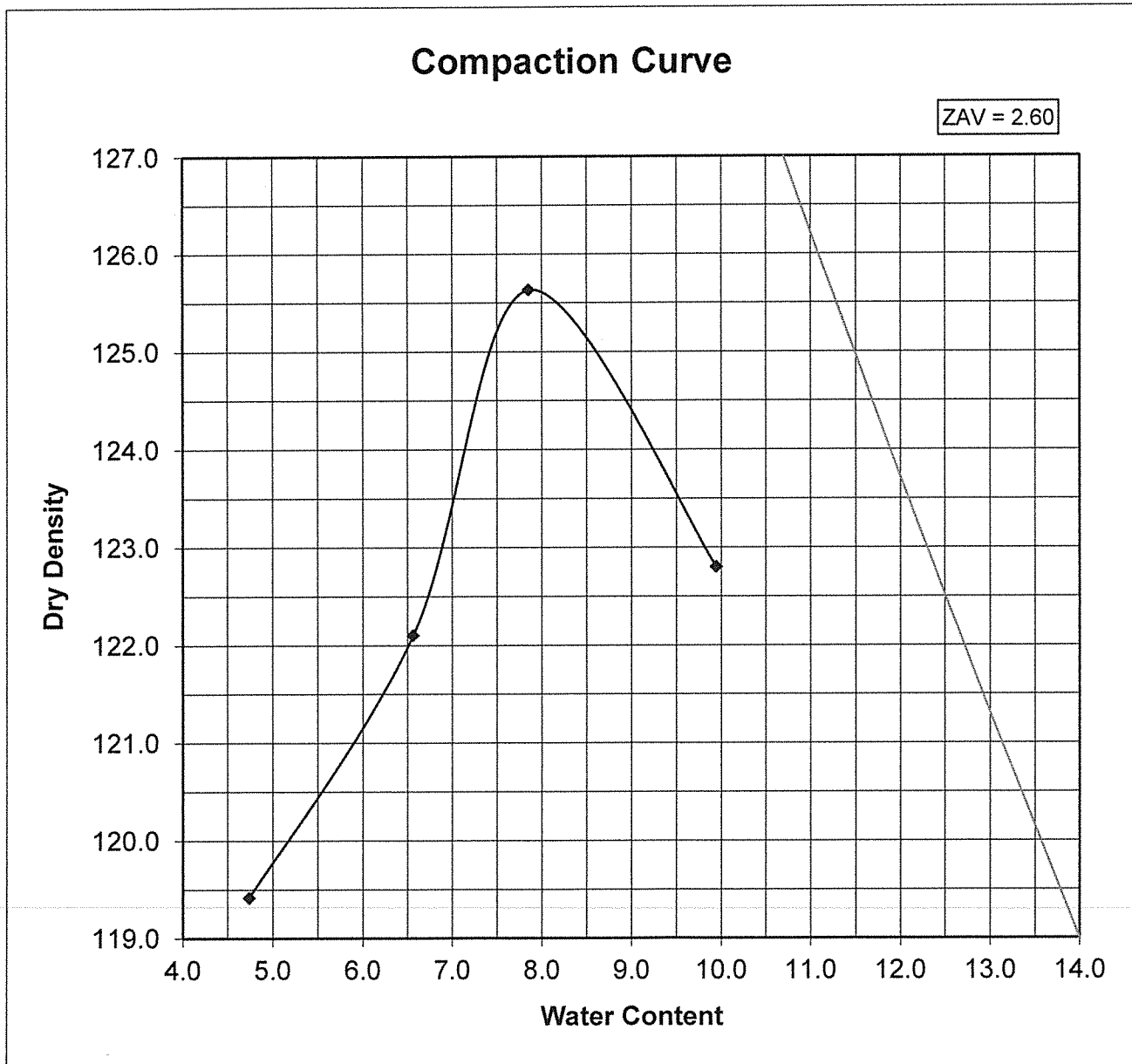
Optimum Water Content % 7.9

Maximum Dry Unit Weight (pcf) 125.6

Corrected Optimum Water Content % 7.9

Corrected Maximum Dry Unit Weight (pcf) 125.7

Method B





CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Infield Mix
Date Sampled: 10/11/12 10:00
Percent Solids: 90

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>	<u>Batch</u>
Arsenic	4.3 (2.6)	6010B		1	SVD	10/12/12 19:01	2.12	100	CJ21138
Barium	192 (2.6)	6010B		1	SVD	10/12/12 19:01	2.12	100	CJ21138
Cadmium	ND (0.53)	6010B		1	SVD	10/12/12 19:01	2.12	100	CJ21138
Chromium	6.6 (1.0)	6010B		1	SVD	10/12/12 19:01	2.12	100	CJ21138
Lead	ND (5.2)	6010B		1	SVD	10/12/12 19:01	2.12	100	CJ21138
Mercury	ND (0.036)	7471A		1	LLZ	10/12/12 13:29	0.61	40	CJ21139
Selenium	ND (5.2)	6010B		1	SVD	10/12/12 19:01	2.12	100	CJ21138
Silver	ND (0.53)	6010B		1	SVD	10/12/12 19:01	2.12	100	CJ21138



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Infield Mix
Date Sampled: 10/11/12 10:00
Percent Solids: 90
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,1,1-Trichloroethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,1,2,2-Tetrachloroethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,1,2-Trichloroethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,1-Dichloroethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,1-Dichloroethene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,1-Dichloropropene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2,3-Trichlorobenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2,3-Trichloropropane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2,4-Trichlorobenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2,4-Trimethylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2-Dibromo-3-Chloropropane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2-Dibromoethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2-Dichlorobenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2-Dichloroethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,2-Dichloropropane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,3,5-Trimethylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,3-Dichlorobenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,3-Dichloropropane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,4-Dichlorobenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
1,4-Dioxane	ND (0.0703)		1	10/17/12 16:57	CVJ0178	CJ21723
1-Chlorohexane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
2,2-Dichloropropane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
2-Butanone	ND (0.0352)		1	10/17/12 16:57	CVJ0178	CJ21723
2-Chlorotoluene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
2-Hexanone	ND (0.0352)		1	10/17/12 16:57	CVJ0178	CJ21723
4-Chlorotoluene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
4-Isopropyltoluene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
4-Methyl-2-Pentanone	ND (0.0352)		1	10/17/12 16:57	CVJ0178	CJ21723
Acetone	ND (0.0352)		1	10/17/12 16:57	CVJ0178	CJ21723
Benzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Infield Mix
Date Sampled: 10/11/12 10:00
Percent Solids: 90
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromobenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Bromochloromethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Bromodichloromethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Bromoform	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Bromomethane	ND (0.0070)		1	10/17/12 16:57	CVJ0178	CJ21723
Carbon Disulfide	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Carbon Tetrachloride	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Chlorobenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Chloroethane	ND (0.0070)		1	10/17/12 16:57	CVJ0178	CJ21723
Chloroform	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Chloromethane	ND (0.0070)		1	10/17/12 16:57	CVJ0178	CJ21723
cis-1,2-Dichloroethene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
cis-1,3-Dichloropropene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Dibromochloromethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Dibromomethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Dichlorodifluoromethane	ND (0.0070)		1	10/17/12 16:57	CVJ0178	CJ21723
Diethyl Ether	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Di-isopropyl ether	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Ethyl tertiary-butyl ether	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Ethylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Hexachlorobutadiene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Isopropylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Methyl tert-Butyl Ether	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Methylene Chloride	ND (0.0176)		1	10/17/12 16:57	CVJ0178	CJ21723
Naphthalene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
n-Butylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
n-Propylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
sec-Butylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Styrene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
tert-Butylbenzene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Tertiary-amyl methyl ether	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Infield Mix
Date Sampled: 10/11/12 10:00
Percent Solids: 90
Initial Volume: 7.9
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: MD

5035/8260B Volatile Organic Compounds / Low Level

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrachloroethene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Tetrahydrofuran	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Toluene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
trans-1,2-Dichloroethene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
trans-1,3-Dichloropropene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Trichloroethene	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Trichlorofluoromethane	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Vinyl Acetate	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Vinyl Chloride	ND (0.0070)		1	10/17/12 16:57	CVJ0178	CJ21723
Xylene O	ND (0.0035)		1	10/17/12 16:57	CVJ0178	CJ21723
Xylene P,M	ND (0.0070)		1	10/17/12 16:57	CVJ0178	CJ21723
Xylenes (Total)	ND (0.0105)		1	10/17/12 16:57		[CALC]

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichloroethane-d4	91 %		70-130
Surrogate: 4-Bromofluorobenzene	87 %		70-130
Surrogate: Dibromofluoromethane	89 %		70-130
Surrogate: Toluene-d8	92 %		70-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Infield Mix
Date Sampled: 10/11/12 10:00
Percent Solids: 90
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/17/12 12:20

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Total Petroleum Hydrocarbons	ND (41.3)		1	10/18/12 16:54	CVJ0185	CJ21719
	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			
<i>Surrogate: O-Terphenyl</i>	<i>88 %</i>		<i>40-140</i>			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Infield Mix
Date Sampled: 10/11/12 10:00
Percent Solids: 90
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/11/12 18:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1-Biphenyl	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
1,2,4-Trichlorobenzene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
1,2-Dichlorobenzene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
1,3-Dichlorobenzene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
1,4-Dichlorobenzene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2,3,4,6-Tetrachlorophenol	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130
2,4,5-Trichlorophenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2,4,6-Trichlorophenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2,4-Dichlorophenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2,4-Dimethylphenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2,4-Dinitrophenol	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130
2,4-Dinitrotoluene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2,6-Dinitrotoluene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2-Chloronaphthalene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2-Chlorophenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2-Methylnaphthalene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2-Methylphenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2-Nitroaniline	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
2-Nitrophenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
3,3'-Dichlorobenzidine	ND (0.741)		1	10/13/12 1:03	CVJ0130	CJ21130
3+4-Methylphenol	ND (0.741)		1	10/13/12 1:03	CVJ0130	CJ21130
3-Nitroaniline	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
4,6-Dinitro-2-Methylphenol	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130
4-Bromophenyl-phenylether	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
4-Chloro-3-Methylphenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
4-Chloroaniline	ND (0.741)		1	10/13/12 1:03	CVJ0130	CJ21130
4-Chloro-phenyl-phenyl ether	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
4-Nitroaniline	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
4-Nitrophenol	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130
Acenaphthene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Acenaphthylene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp
Client Sample ID: Infield Mix
Date Sampled: 10/11/12 10:00
Percent Solids: 90
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1210249
ESS Laboratory Sample ID: 1210249-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/11/12 18:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Acetophenone	ND (0.741)		1	10/13/12 1:03	CVJ0130	CJ21130
Aniline	ND (0.741)		1	10/13/12 1:03	CVJ0130	CJ21130
Anthracene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Azobenzene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Benzo(a)anthracene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Benzo(a)pyrene	ND (0.186)		1	10/13/12 1:03	CVJ0130	CJ21130
Benzo(b)fluoranthene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Benzo(g,h,i)perylene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Benzo(k)fluoranthene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Benzoic Acid	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130
Benzyl Alcohol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
bis(2-Chloroethoxy)methane	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
bis(2-Chloroethyl)ether	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
bis(2-chloroisopropyl)Ether	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
bis(2-Ethylhexyl)phthalate	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Butylbenzylphthalate	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Carbazole	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Chrysene	ND (0.186)		1	10/13/12 1:03	CVJ0130	CJ21130
Dibenzo(a,h)Anthracene	ND (0.186)		1	10/13/12 1:03	CVJ0130	CJ21130
Dibenzofuran	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Diethylphthalate	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Dimethylphthalate	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Di-n-butylphthalate	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Di-n-octylphthalate	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Fluoranthene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Fluorene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Hexachlorobenzene	ND (0.186)		1	10/13/12 1:03	CVJ0130	CJ21130
Hexachlorobutadiene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Hexachlorocyclopentadiene	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130
Hexachloroethane	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Indeno(1,2,3-cd)Pyrene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp
 Client Sample ID: Infield Mix
 Date Sampled: 10/11/12 10:00
 Percent Solids: 90
 Initial Volume: 15
 Final Volume: 0.5
 Extraction Method: 3546

ESS Laboratory Work Order: 1210249
 ESS Laboratory Sample ID: 1210249-02
 Sample Matrix: Soil
 Units: mg/kg dry
 Analyst: IBM
 Prepared: 10/11/12 18:00

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Isophorone	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Naphthalene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Nitrobenzene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
N-Nitrosodimethylamine	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
N-Nitroso-Di-n-Propylamine	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
N-nitrosodiphenylamine	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Pentachlorophenol	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130
Phenanthrene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Phenol	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Pyrene	ND (0.370)		1	10/13/12 1:03	CVJ0130	CJ21130
Pyridine	ND (1.86)		1	10/13/12 1:03	CVJ0130	CJ21130

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: 1,2-Dichlorobenzene-d4	67 %		30-130
Surrogate: 2,4,6-Tribromophenol	93 %		30-130
Surrogate: 2-Chlorophenol-d4	73 %		30-130
Surrogate: 2-Fluorobiphenyl	77 %		30-130
Surrogate: 2-Fluorophenol	67 %		30-130
Surrogate: Nitrobenzene-d5	64 %		30-130
Surrogate: Phenol-d6	69 %		30-130
Surrogate: p-Terphenyl-d14	88 %		30-130



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
 Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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3050B/6000/7000 Total Metals

Batch CJ21138 - 3050B

Blank

Arsenic	ND	2.5	mg/kg wet							
Barium	ND	2.5	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.0	mg/kg wet							
Lead	ND	5.0	mg/kg wet							
Selenium	ND	5.0	mg/kg wet							
Silver	ND	0.50	mg/kg wet							

LCS

Arsenic	147	9.1	mg/kg wet	168.0		88	80-120			
Barium	179	9.1	mg/kg wet	213.0		84	80-120			
Cadmium	87.1	1.83	mg/kg wet	103.0		85	80-120			
Chromium	101	3.6	mg/kg wet	119.0		85	80-120			
Lead	68.3	18.2	mg/kg wet	76.90		89	80-120			
Selenium	113	18.2	mg/kg wet	126.0		89	80-120			
Silver	34.4	1.83	mg/kg wet	42.30		81	80-120			

LCS Dup

Arsenic	157	8.6	mg/kg wet	168.0		93	80-120	6	20	
Barium	185	8.6	mg/kg wet	213.0		87	80-120	4	20	
Cadmium	89.9	1.73	mg/kg wet	103.0		87	80-120	3	20	
Chromium	106	3.4	mg/kg wet	119.0		89	80-120	4	20	
Lead	69.7	17.2	mg/kg wet	76.90		91	80-120	2	20	
Selenium	122	17.2	mg/kg wet	126.0		97	80-120	8	20	
Silver	35.4	1.73	mg/kg wet	42.30		84	80-120	3	20	

Batch CJ21139 - 7471A

Blank

Mercury	ND	0.033	mg/kg wet							
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LCS

Mercury	27.3	3.14	mg/kg wet	25.10		109	80-120			
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LCS Dup

Mercury	27.9	3.00	mg/kg wet	25.10		111	80-120	2	20	
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

Blank

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethane	ND	0.0050	mg/kg wet							
1,1-Dichloroethene	ND	0.0050	mg/kg wet							
1,1-Dichloropropene	ND	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0050	mg/kg wet							



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

1,2,3-Trichloropropane	ND	0.0050	mg/kg wet
1,2,4-Trichlorobenzene	ND	0.0050	mg/kg wet
1,2,4-Trimethylbenzene	ND	0.0050	mg/kg wet
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/kg wet
1,2-Dibromoethane	ND	0.0050	mg/kg wet
1,2-Dichlorobenzene	ND	0.0050	mg/kg wet
1,2-Dichloroethane	ND	0.0050	mg/kg wet
1,2-Dichloropropane	ND	0.0050	mg/kg wet
1,3,5-Trimethylbenzene	ND	0.0050	mg/kg wet
1,3-Dichlorobenzene	ND	0.0050	mg/kg wet
1,3-Dichloropropane	ND	0.0050	mg/kg wet
1,4-Dichlorobenzene	ND	0.0050	mg/kg wet
1,4-Dioxane	ND	0.100	mg/kg wet
1-Chlorohexane	ND	0.0050	mg/kg wet
2,2-Dichloropropane	ND	0.0050	mg/kg wet
2-Butanone	ND	0.0500	mg/kg wet
2-Chlorotoluene	ND	0.0050	mg/kg wet
2-Hexanone	ND	0.0500	mg/kg wet
4-Chlorotoluene	ND	0.0050	mg/kg wet
4-Isopropyltoluene	ND	0.0050	mg/kg wet
4-Methyl-2-Pentanone	ND	0.0500	mg/kg wet
Acetone	ND	0.0500	mg/kg wet
Benzene	ND	0.0050	mg/kg wet
Bromobenzene	ND	0.0050	mg/kg wet
Bromochloromethane	ND	0.0050	mg/kg wet
Bromodichloromethane	ND	0.0050	mg/kg wet
Bromoform	ND	0.0050	mg/kg wet
Bromomethane	ND	0.0100	mg/kg wet
Carbon Disulfide	ND	0.0050	mg/kg wet
Carbon Tetrachloride	ND	0.0050	mg/kg wet
Chlorobenzene	ND	0.0050	mg/kg wet
Chloroethane	ND	0.0100	mg/kg wet
Chloroform	ND	0.0050	mg/kg wet
Chloromethane	ND	0.0100	mg/kg wet
cis-1,2-Dichloroethene	ND	0.0050	mg/kg wet
cis-1,3-Dichloropropene	ND	0.0050	mg/kg wet
Dibromochloromethane	ND	0.0050	mg/kg wet
Dibromomethane	ND	0.0050	mg/kg wet
Dichlorodifluoromethane	ND	0.0100	mg/kg wet
Diethyl Ether	ND	0.0050	mg/kg wet
Di-isopropyl ether	ND	0.0050	mg/kg wet
Ethyl tertiary-butyl ether	ND	0.0050	mg/kg wet
Ethylbenzene	ND	0.0050	mg/kg wet
Hexachlorobutadiene	ND	0.0050	mg/kg wet
Isopropylbenzene	ND	0.0050	mg/kg wet



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

Methyl tert-Butyl Ether	ND	0.0050	mg/kg wet							
Methylene Chloride	ND	0.0250	mg/kg wet							
Naphthalene	ND	0.0050	mg/kg wet							
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	mg/kg wet							
sec-Butylbenzene	ND	0.0050	mg/kg wet							
Styrene	ND	0.0050	mg/kg wet							
tert-Butylbenzene	ND	0.0050	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0050	mg/kg wet							
Tetrachloroethene	ND	0.0050	mg/kg wet							
Tetrahydrofuran	ND	0.0050	mg/kg wet							
Toluene	ND	0.0050	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0050	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0050	mg/kg wet							
Trichloroethene	ND	0.0050	mg/kg wet							
Trichlorofluoromethane	ND	0.0050	mg/kg wet							
Vinyl Acetate	ND	0.0050	mg/kg wet							
Vinyl Chloride	ND	0.0100	mg/kg wet							
Xylene O	ND	0.0050	mg/kg wet							
Xylene P,M	ND	0.0100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0408		mg/kg wet	0.05000		82	70-130			
Surrogate: 4-Bromofluorobenzene	0.0438		mg/kg wet	0.05000		88	70-130			
Surrogate: Dibromofluoromethane	0.0419		mg/kg wet	0.05000		84	70-130			
Surrogate: Toluene-d8	0.0463		mg/kg wet	0.05000		93	70-130			

LCS

1,1,1,2-Tetrachloroethane	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,1,1-Trichloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,1,2,2-Tetrachloroethane	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,1,2-Trichloroethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
1,1-Dichloroethane	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
1,1-Dichloroethene	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
1,1-Dichloropropene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
1,2,3-Trichlorobenzene	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
1,2,3-Trichloropropane	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
1,2,4-Trichlorobenzene	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
1,2,4-Trimethylbenzene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
1,2-Dibromo-3-Chloropropane	0.0530	0.0050	mg/kg wet	0.05000		106	70-130			
1,2-Dibromoethane	0.0518	0.0050	mg/kg wet	0.05000		104	70-130			
1,2-Dichlorobenzene	0.0514	0.0050	mg/kg wet	0.05000		103	70-130			
1,2-Dichloroethane	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			
1,2-Dichloropropane	0.0493	0.0050	mg/kg wet	0.05000		99	70-130			
1,3,5-Trimethylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	70-130			
1,3-Dichlorobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
1,3-Dichloropropane	0.0504	0.0050	mg/kg wet	0.05000		101	70-130			
1,4-Dichlorobenzene	0.0476	0.0050	mg/kg wet	0.05000		95	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.

Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

1,4-Dioxane	1.13	0.100	mg/kg wet	1.000		113	70-130			
1-Chlorohexane	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
2,2-Dichloropropane	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
2-Butanone	0.255	0.0500	mg/kg wet	0.2500		102	70-130			
2-Chlorotoluene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
2-Hexanone	0.283	0.0500	mg/kg wet	0.2500		113	70-130			
4-Chlorotoluene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
4-Isopropyltoluene	0.0489	0.0050	mg/kg wet	0.05000		98	70-130			
4-Methyl-2-Pentanone	0.278	0.0500	mg/kg wet	0.2500		111	70-130			
Acetone	0.253	0.0500	mg/kg wet	0.2500		101	70-130			
Benzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130			
Bromobenzene	0.0506	0.0050	mg/kg wet	0.05000		101	70-130			
Bromochloromethane	0.0491	0.0050	mg/kg wet	0.05000		98	70-130			
Bromodichloromethane	0.0538	0.0050	mg/kg wet	0.05000		108	70-130			
Bromoform	0.0556	0.0050	mg/kg wet	0.05000		111	70-130			
Bromomethane	0.0522	0.0100	mg/kg wet	0.05000		104	70-130			
Carbon Disulfide	0.0544	0.0050	mg/kg wet	0.05000		109	70-130			
Carbon Tetrachloride	0.0500	0.0050	mg/kg wet	0.05000		100	70-130			
Chlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130			
Chloroethane	0.0459	0.0100	mg/kg wet	0.05000		92	70-130			
Chloroform	0.0475	0.0050	mg/kg wet	0.05000		95	70-130			
Chloromethane	0.0426	0.0100	mg/kg wet	0.05000		85	70-130			
cis-1,2-Dichloroethene	0.0520	0.0050	mg/kg wet	0.05000		104	70-130			
cis-1,3-Dichloropropene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130			
Dibromochloromethane	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
Dibromomethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-130			
Dichlorodifluoromethane	0.0450	0.0100	mg/kg wet	0.05000		90	70-130			
Diethyl Ether	0.0510	0.0050	mg/kg wet	0.05000		102	70-130			
Di-isopropyl ether	0.0508	0.0050	mg/kg wet	0.05000		102	70-130			
Ethyl tertiary-butyl ether	0.0519	0.0050	mg/kg wet	0.05000		104	70-130			
Ethylbenzene	0.0542	0.0050	mg/kg wet	0.05000		108	70-130			
Hexachlorobutadiene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			
Isopropylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Methyl tert-Butyl Ether	0.0540	0.0050	mg/kg wet	0.05000		108	70-130			
Methylene Chloride	0.0481	0.0250	mg/kg wet	0.05000		96	70-130			
Naphthalene	0.0547	0.0050	mg/kg wet	0.05000		109	70-130			
n-Butylbenzene	0.0543	0.0050	mg/kg wet	0.05000		109	70-130			
n-Propylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130			
sec-Butylbenzene	0.0565	0.0050	mg/kg wet	0.05000		113	70-130			
Styrene	0.0541	0.0050	mg/kg wet	0.05000		108	70-130			
tert-Butylbenzene	0.0551	0.0050	mg/kg wet	0.05000		110	70-130			
Tertiary-amyl methyl ether	0.0535	0.0050	mg/kg wet	0.05000		107	70-130			
Tetrachloroethene	0.0418	0.0050	mg/kg wet	0.05000		84	70-130			
Tetrahydrofuran	0.0497	0.0050	mg/kg wet	0.05000		99	70-130			
Toluene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

trans-1,2-Dichloroethene	0.0529	0.0050	mg/kg wet	0.05000		106	70-130			
trans-1,3-Dichloropropene	0.0598	0.0050	mg/kg wet	0.05000		120	70-130			
Trichloroethene	0.0505	0.0050	mg/kg wet	0.05000		101	70-130			
Trichlorofluoromethane	0.0457	0.0050	mg/kg wet	0.05000		91	70-130			
Vinyl Acetate	0.0537	0.0050	mg/kg wet	0.05000		107	70-130			
Vinyl Chloride	0.0438	0.0100	mg/kg wet	0.05000		88	70-130			
Xylene O	0.0525	0.0050	mg/kg wet	0.05000		105	70-130			
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0438		mg/kg wet	0.05000		88	70-130			
Surrogate: 4-Bromofluorobenzene	0.0466		mg/kg wet	0.05000		93	70-130			
Surrogate: Dibromofluoromethane	0.0462		mg/kg wet	0.05000		92	70-130			
Surrogate: Toluene-d8	0.0492		mg/kg wet	0.05000		98	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	0.4	25	
1,1,1-Trichloroethane	0.0479	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
1,1,2,2-Tetrachloroethane	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	4	25	
1,1,2-Trichloroethane	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	3	25	
1,1-Dichloroethane	0.0467	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
1,1-Dichloroethene	0.0526	0.0050	mg/kg wet	0.05000		105	70-130	2	25	
1,1-Dichloropropene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
1,2,3-Trichlorobenzene	0.0502	0.0050	mg/kg wet	0.05000		100	70-130	3	25	
1,2,3-Trichloropropane	0.0506	0.0050	mg/kg wet	0.05000		101	70-130	4	25	
1,2,4-Trichlorobenzene	0.0516	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
1,2,4-Trimethylbenzene	0.0540	0.0050	mg/kg wet	0.05000		108	70-130	1	25	
1,2-Dibromo-3-Chloropropane	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	6	25	
1,2-Dibromoethane	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
1,2-Dichlorobenzene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	0.9	25	
1,2-Dichloroethane	0.0459	0.0050	mg/kg wet	0.05000		92	70-130	4	25	
1,2-Dichloropropane	0.0488	0.0050	mg/kg wet	0.05000		98	70-130	1	25	
1,3,5-Trimethylbenzene	0.0546	0.0050	mg/kg wet	0.05000		109	70-130	0.3	25	
1,3-Dichlorobenzene	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	0.6	25	
1,3-Dichloropropane	0.0495	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
1,4-Dichlorobenzene	0.0474	0.0050	mg/kg wet	0.05000		95	70-130	0.5	25	
1,4-Dioxane	1.00	0.100	mg/kg wet	1.000		100	70-130	12	20	
1-Chlorohexane	0.0544	0.0050	mg/kg wet	0.05000		109	70-130	0.3	25	
2,2-Dichloropropane	0.0492	0.0050	mg/kg wet	0.05000		98	70-130	3	25	
2-Butanone	0.261	0.0500	mg/kg wet	0.2500		105	70-130	2	25	
2-Chlorotoluene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	0.4	25	
2-Hexanone	0.264	0.0500	mg/kg wet	0.2500		106	70-130	7	25	
4-Chlorotoluene	0.0527	0.0050	mg/kg wet	0.05000		105	70-130	0.4	25	
4-Isopropyltoluene	0.0485	0.0050	mg/kg wet	0.05000		97	70-130	0.8	25	
4-Methyl-2-Pentanone	0.256	0.0500	mg/kg wet	0.2500		103	70-130	8	25	
Acetone	0.218	0.0500	mg/kg wet	0.2500		87	70-130	15	25	
Benzene	0.0493	0.0050	mg/kg wet	0.05000		99	70-130	2	25	
Bromobenzene	0.0507	0.0050	mg/kg wet	0.05000		101	70-130	0.2	25	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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5035/8260B Volatile Organic Compounds / Low Level

Batch CJ21723 - 5035

Bromochloromethane	0.0481	0.0050	mg/kg wet	0.05000		96	70-130	2	25	
Bromodichloromethane	0.0522	0.0050	mg/kg wet	0.05000		104	70-130	3	25	
Bromoform	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	4	25	
Bromomethane	0.0525	0.0100	mg/kg wet	0.05000		105	70-130	0.6	25	
Carbon Disulfide	0.0541	0.0050	mg/kg wet	0.05000		108	70-130	0.6	25	
Carbon Tetrachloride	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	3	25	
Chlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	70-130	0	25	
Chloroethane	0.0390	0.0100	mg/kg wet	0.05000		78	70-130	16	25	
Chloroform	0.0463	0.0050	mg/kg wet	0.05000		93	70-130	2	25	
Chloromethane	0.0401	0.0100	mg/kg wet	0.05000		80	70-130	6	25	
cis-1,2-Dichloroethene	0.0510	0.0050	mg/kg wet	0.05000		102	70-130	2	25	
cis-1,3-Dichloropropene	0.0545	0.0050	mg/kg wet	0.05000		109	70-130	3	25	
Dibromochloromethane	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	2	25	
Dibromomethane	0.0471	0.0050	mg/kg wet	0.05000		94	70-130	4	25	
Dichlorodifluoromethane	0.0433	0.0100	mg/kg wet	0.05000		87	70-130	4	25	
Diethyl Ether	0.0501	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Di-isopropyl ether	0.0498	0.0050	mg/kg wet	0.05000		100	70-130	2	25	
Ethyl tertiary-butyl ether	0.0503	0.0050	mg/kg wet	0.05000		101	70-130	3	25	
Ethylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	70-130	0.5	25	
Hexachlorobutadiene	0.0497	0.0050	mg/kg wet	0.05000		99	70-130	4	25	
Isopropylbenzene	0.0562	0.0050	mg/kg wet	0.05000		112	70-130	0.6	25	
Methyl tert-Butyl Ether	0.0518	0.0050	mg/kg wet	0.05000		104	70-130	4	25	
Methylene Chloride	0.0473	0.0250	mg/kg wet	0.05000		95	70-130	2	25	
Naphthalene	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	4	25	
n-Butylbenzene	0.0536	0.0050	mg/kg wet	0.05000		107	70-130	1	25	
n-Propylbenzene	0.0560	0.0050	mg/kg wet	0.05000		112	70-130	0.4	25	
sec-Butylbenzene	0.0561	0.0050	mg/kg wet	0.05000		112	70-130	0.9	25	
Styrene	0.0538	0.0050	mg/kg wet	0.05000		108	70-130	0.6	25	
tert-Butylbenzene	0.0549	0.0050	mg/kg wet	0.05000		110	70-130	0.4	25	
Tertiary-amyl methyl ether	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	3	25	
Tetrachloroethene	0.0418	0.0050	mg/kg wet	0.05000		84	70-130	0.1	25	
Tetrahydrofuran	0.0462	0.0050	mg/kg wet	0.05000		92	70-130	7	25	
Toluene	0.0509	0.0050	mg/kg wet	0.05000		102	70-130	1	25	
trans-1,2-Dichloroethene	0.0517	0.0050	mg/kg wet	0.05000		103	70-130	2	25	
trans-1,3-Dichloropropene	0.0582	0.0050	mg/kg wet	0.05000		116	70-130	3	25	
Trichloroethene	0.0487	0.0050	mg/kg wet	0.05000		97	70-130	4	25	
Trichlorofluoromethane	0.0445	0.0050	mg/kg wet	0.05000		89	70-130	3	25	
Vinyl Acetate	0.0512	0.0050	mg/kg wet	0.05000		102	70-130	5	25	
Vinyl Chloride	0.0443	0.0100	mg/kg wet	0.05000		89	70-130	1	25	
Xylene O	0.0523	0.0050	mg/kg wet	0.05000		105	70-130	0.5	25	
Xylene P,M	0.105	0.0100	mg/kg wet	0.1000		105	70-130	0.3	25	
Surrogate: 1,2-Dichloroethane-d4	0.0420		mg/kg wet	0.05000		84	70-130			
Surrogate: 4-Bromofluorobenzene	0.0464		mg/kg wet	0.05000		93	70-130			
Surrogate: Dibromofluoromethane	0.0454		mg/kg wet	0.05000		91	70-130			
Surrogate: Toluene-d8	0.0495		mg/kg wet	0.05000		99	70-130			



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CJ21719 - 3546

Blank

Decane (C10)	ND	0.2	mg/kg wet							
Docosane (C22)	ND	0.2	mg/kg wet							
Dodecane (C12)	ND	0.2	mg/kg wet							
Eicosane (C20)	ND	0.2	mg/kg wet							
Hexacosane (C26)	ND	0.2	mg/kg wet							
Hexadecane (C16)	ND	0.2	mg/kg wet							
Nonadecane (C19)	ND	0.2	mg/kg wet							
Nonane (C9)	ND	0.2	mg/kg wet							
Octacosane (C28)	ND	0.2	mg/kg wet							
Octadecane (C18)	ND	0.2	mg/kg wet							
Tetracosane (C24)	ND	0.2	mg/kg wet							
Tetradecane (C14)	ND	0.2	mg/kg wet							
Total Petroleum Hydrocarbons	ND	37.5	mg/kg wet							
Triacotane (C30)	ND	0.2	mg/kg wet							

<i>Surrogate: O-Terphenyl</i>	4.39		mg/kg wet	5.000		88	40-140			
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LCS

Decane (C10)	1.9	0.2	mg/kg wet	2.500		75	40-140			
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140			
Eicosane (C20)	2.1	0.2	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140			
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		86	40-140			
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		62	30-140			
Octacosane (C28)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		85	40-140			
Tetracosane (C24)	2.2	0.2	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140			
Total Petroleum Hydrocarbons	31.2	37.5	mg/kg wet	35.00		89	40-140			
Triacotane (C30)	2.2	0.2	mg/kg wet	2.500		88	40-140			

<i>Surrogate: O-Terphenyl</i>	4.60		mg/kg wet	5.000		92	40-140			
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LCS Dup

Decane (C10)	1.9	0.2	mg/kg wet	2.500		76	40-140	0.7	50	
Docosane (C22)	2.2	0.2	mg/kg wet	2.500		90	40-140	2	50	
Dodecane (C12)	2.0	0.2	mg/kg wet	2.500		80	40-140	0.2	50	
Eicosane (C20)	2.2	0.2	mg/kg wet	2.500		87	40-140	2	50	
Hexacosane (C26)	2.3	0.2	mg/kg wet	2.500		90	40-140	3	50	
Hexadecane (C16)	2.1	0.2	mg/kg wet	2.500		84	40-140	0.7	50	
Nonadecane (C19)	2.2	0.2	mg/kg wet	2.500		87	40-140	1	50	
Nonane (C9)	1.6	0.2	mg/kg wet	2.500		63	30-140	2	50	
Octacosane (C28)	2.3	0.2	mg/kg wet	2.500		90	40-140	3	50	
Octadecane (C18)	2.1	0.2	mg/kg wet	2.500		86	40-140	0.8	50	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8100M Total Petroleum Hydrocarbons

Batch CJ21719 - 3546

Tetracosane (C24)	2.3	0.2	mg/kg wet	2.500		90	40-140	2	50	
Tetradecane (C14)	2.0	0.2	mg/kg wet	2.500		81	40-140	0.3	50	
Total Petroleum Hydrocarbons	31.5	37.5	mg/kg wet	35.00		90	40-140	1	50	
Triacotane (C30)	2.2	0.2	mg/kg wet	2.500		90	40-140	3	50	

Surrogate: O-Terphenyl

4.59 mg/kg wet 5.000 92 40-140

8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

Blank

1,1-Biphenyl	ND	0.333	mg/kg wet
1,2,4-Trichlorobenzene	ND	0.333	mg/kg wet
1,2-Dichlorobenzene	ND	0.333	mg/kg wet
1,3-Dichlorobenzene	ND	0.333	mg/kg wet
1,4-Dichlorobenzene	ND	0.333	mg/kg wet
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet
2,4-Dichlorophenol	ND	0.333	mg/kg wet
2,4-Dimethylphenol	ND	0.333	mg/kg wet
2,4-Dinitrophenol	ND	1.67	mg/kg wet
2,4-Dinitrotoluene	ND	0.333	mg/kg wet
2,6-Dinitrotoluene	ND	0.333	mg/kg wet
2-Chloronaphthalene	ND	0.333	mg/kg wet
2-Chlorophenol	ND	0.333	mg/kg wet
2-Methylnaphthalene	ND	0.333	mg/kg wet
2-Methylphenol	ND	0.333	mg/kg wet
2-Nitroaniline	ND	0.333	mg/kg wet
2-Nitrophenol	ND	0.333	mg/kg wet
3,3'-Dichlorobenzidine	ND	0.667	mg/kg wet
3+4-Methylphenol	ND	0.667	mg/kg wet
3-Nitroaniline	ND	0.333	mg/kg wet
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet
4-Bromophenyl-phenylether	ND	0.333	mg/kg wet
4-Chloro-3-Methylphenol	ND	0.333	mg/kg wet
4-Chloroaniline	ND	0.667	mg/kg wet
4-Chloro-phenyl-phenyl ether	ND	0.333	mg/kg wet
4-Nitroaniline	ND	0.333	mg/kg wet
4-Nitrophenol	ND	1.67	mg/kg wet
Acenaphthene	ND	0.333	mg/kg wet
Acenaphthylene	ND	0.333	mg/kg wet
Acetophenone	ND	0.667	mg/kg wet
Aniline	ND	0.667	mg/kg wet
Anthracene	ND	0.333	mg/kg wet
Azobenzene	ND	0.333	mg/kg wet



CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Benzoic Acid	ND	1.67	mg/kg wet							
Benzyl Alcohol	ND	0.333	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.333	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.333	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.333	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.333	mg/kg wet							
Butylbenzylphthalate	ND	0.333	mg/kg wet							
Carbazole	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Dibenzofuran	ND	0.333	mg/kg wet							
Diethylphthalate	ND	0.333	mg/kg wet							
Dimethylphthalate	ND	0.333	mg/kg wet							
Di-n-butylphthalate	ND	0.333	mg/kg wet							
Di-n-octylphthalate	ND	0.333	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Hexachlorobenzene	ND	0.167	mg/kg wet							
Hexachlorobutadiene	ND	0.333	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.67	mg/kg wet							
Hexachloroethane	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Isophorone	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Nitrobenzene	ND	0.333	mg/kg wet							
N-Nitrosodimethylamine	ND	0.333	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.333	mg/kg wet							
N-nitrosodiphenylamine	ND	0.333	mg/kg wet							
Pentachlorophenol	ND	1.67	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Phenol	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Pyridine	ND	1.67	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	2.30		mg/kg wet	3.333		69	30-130			
Surrogate: 2,4,6-Tribromophenol	4.29		mg/kg wet	5.000		86	30-130			
Surrogate: 2-Chlorophenol-d4	3.77		mg/kg wet	5.000		75	30-130			
Surrogate: 2-Fluorobiphenyl	2.46		mg/kg wet	3.333		74	30-130			
Surrogate: 2-Fluorophenol	3.51		mg/kg wet	5.000		70	30-130			
Surrogate: Nitrobenzene-d5	2.26		mg/kg wet	3.333		68	30-130			
Surrogate: Phenol-d6	3.57		mg/kg wet	5.000		71	30-130			
Surrogate: p-Terphenyl-d14	2.75		mg/kg wet	3.333		82	30-130			



CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

LCS

1,1-Biphenyl	2.56	0.333	mg/kg wet	3.333		77	40-140			
1,2,4-Trichlorobenzene	2.47	0.333	mg/kg wet	3.333		74	40-140			
1,2-Dichlorobenzene	2.30	0.333	mg/kg wet	3.333		69	40-140			
1,3-Dichlorobenzene	2.22	0.333	mg/kg wet	3.333		67	40-140			
1,4-Dichlorobenzene	2.31	0.333	mg/kg wet	3.333		69	40-140			
2,3,4,6-Tetrachlorophenol	2.87	1.67	mg/kg wet	3.333		86	30-130			
2,4,5-Trichlorophenol	2.89	0.333	mg/kg wet	3.333		87	30-130			
2,4,6-Trichlorophenol	2.72	0.333	mg/kg wet	3.333		81	30-130			
2,4-Dichlorophenol	2.59	0.333	mg/kg wet	3.333		78	30-130			
2,4-Dimethylphenol	2.53	0.333	mg/kg wet	3.333		76	30-130			
2,4-Dinitrophenol	2.37	1.67	mg/kg wet	3.333		71	30-130			
2,4-Dinitrotoluene	2.90	0.333	mg/kg wet	3.333		87	40-140			
2,6-Dinitrotoluene	2.83	0.333	mg/kg wet	3.333		85	40-140			
2-Chloronaphthalene	2.32	0.333	mg/kg wet	3.333		70	40-140			
2-Chlorophenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2-Methylnaphthalene	2.48	0.333	mg/kg wet	3.333		74	40-140			
2-Methylphenol	2.29	0.333	mg/kg wet	3.333		69	30-130			
2-Nitroaniline	2.22	0.333	mg/kg wet	3.333		67	40-140			
2-Nitrophenol	2.51	0.333	mg/kg wet	3.333		75	30-130			
3,3'-Dichlorobenzidine	3.01	0.667	mg/kg wet	3.333		90	40-140			
3+4-Methylphenol	4.53	0.667	mg/kg wet	6.667		68	30-130			
3-Nitroaniline	2.63	0.333	mg/kg wet	3.333		79	40-140			
4,6-Dinitro-2-Methylphenol	2.76	1.67	mg/kg wet	3.333		83	30-130			
4-Bromophenyl-phenylether	2.77	0.333	mg/kg wet	3.333		83	40-140			
4-Chloro-3-Methylphenol	2.64	0.333	mg/kg wet	3.333		79	30-130			
4-Chloroaniline	2.35	0.667	mg/kg wet	3.333		71	40-140			
4-Chloro-phenyl-phenyl ether	2.72	0.333	mg/kg wet	3.333		82	40-140			
4-Nitroaniline	2.80	0.333	mg/kg wet	3.333		84	40-140			
4-Nitrophenol	2.85	1.67	mg/kg wet	3.333		85	30-130			
Acenaphthene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Acenaphthylene	2.52	0.333	mg/kg wet	3.333		75	40-140			
Acetophenone	2.29	0.667	mg/kg wet	3.333		69	40-140			
Aniline	2.02	0.667	mg/kg wet	3.333		61	40-140			
Anthracene	3.10	0.333	mg/kg wet	3.333		93	40-140			
Azobenzene	2.57	0.333	mg/kg wet	3.333		77	40-140			
Benzo(a)anthracene	3.00	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)pyrene	2.87	0.167	mg/kg wet	3.333		86	40-140			
Benzo(b)fluoranthene	3.16	0.333	mg/kg wet	3.333		95	40-140			
Benzo(g,h,i)perylene	3.07	0.333	mg/kg wet	3.333		92	40-140			
Benzo(k)fluoranthene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Benzoic Acid	2.63	1.67	mg/kg wet	3.333		79	40-140			
Benzyl Alcohol	2.23	0.333	mg/kg wet	3.333		67	40-140			
bis(2-Chloroethoxy)methane	2.27	0.333	mg/kg wet	3.333		68	40-140			
bis(2-Chloroethyl)ether	2.08	0.333	mg/kg wet	3.333		62	40-140			



CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

bis(2-chloroisopropyl)Ether	2.14	0.333	mg/kg wet	3.333		64	40-140			
bis(2-Ethylhexyl)phthalate	3.01	0.333	mg/kg wet	3.333		90	40-140			
Butylbenzylphthalate	2.86	0.333	mg/kg wet	3.333		86	40-140			
Carbazole	2.84	0.333	mg/kg wet	3.333		85	40-140			
Chrysene	2.94	0.167	mg/kg wet	3.333		88	40-140			
Dibenzo(a,h)Anthracene	3.25	0.167	mg/kg wet	3.333		97	40-140			
Dibenzofuran	2.63	0.333	mg/kg wet	3.333		79	40-140			
Diethylphthalate	2.77	0.333	mg/kg wet	3.333		83	40-140			
Dimethylphthalate	2.74	0.333	mg/kg wet	3.333		82	40-140			
Di-n-butylphthalate	3.05	0.333	mg/kg wet	3.333		91	40-140			
Di-n-octylphthalate	3.58	0.333	mg/kg wet	3.333		107	40-140			
Fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Fluorene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Hexachlorobenzene	2.69	0.167	mg/kg wet	3.333		81	40-140			
Hexachlorobutadiene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Hexachlorocyclopentadiene	2.24	1.67	mg/kg wet	3.333		67	40-140			
Hexachloroethane	2.09	0.333	mg/kg wet	3.333		63	40-140			
Indeno(1,2,3-cd)Pyrene	3.06	0.333	mg/kg wet	3.333		92	40-140			
Isophorone	2.31	0.333	mg/kg wet	3.333		69	40-140			
Naphthalene	2.43	0.333	mg/kg wet	3.333		73	40-140			
Nitrobenzene	2.28	0.333	mg/kg wet	3.333		68	40-140			
N-Nitrosodimethylamine	1.94	0.333	mg/kg wet	3.333		58	40-140			
N-Nitroso-Di-n-Propylamine	2.11	0.333	mg/kg wet	3.333		63	40-140			
N-nitrosodiphenylamine	2.82	0.333	mg/kg wet	3.333		85	40-140			
Pentachlorophenol	2.47	1.67	mg/kg wet	3.333		74	30-130			
Phenanthrene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Phenol	2.20	0.333	mg/kg wet	3.333		66	30-130			
Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140			
Pyridine	1.74	1.67	mg/kg wet	3.333		52	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	2.32		mg/kg wet	3.333		70	30-130			
Surrogate: 2,4,6-Tribromophenol	3.03		mg/kg wet	5.000		61	30-130			
Surrogate: 2-Chlorophenol-d4	2.35		mg/kg wet	5.000		47	30-130			
Surrogate: 2-Fluorobiphenyl	2.62		mg/kg wet	3.333		79	30-130			
Surrogate: 2-Fluorophenol	2.15		mg/kg wet	5.000		43	30-130			
Surrogate: Nitrobenzene-d5	2.37		mg/kg wet	3.333		71	30-130			
Surrogate: Phenol-d6	2.20		mg/kg wet	5.000		44	30-130			
Surrogate: p-Terphenyl-d14	2.98		mg/kg wet	3.333		89	30-130			

LCS Dup

1,1-Biphenyl	2.50	0.333	mg/kg wet	3.333		75	40-140	2	30	
1,2,4-Trichlorobenzene	2.38	0.333	mg/kg wet	3.333		71	40-140	4	30	
1,2-Dichlorobenzene	2.21	0.333	mg/kg wet	3.333		66	40-140	4	30	
1,3-Dichlorobenzene	2.18	0.333	mg/kg wet	3.333		65	40-140	2	30	
1,4-Dichlorobenzene	2.16	0.333	mg/kg wet	3.333		65	40-140	7	30	
2,3,4,6-Tetrachlorophenol	2.84	1.67	mg/kg wet	3.333		85	30-130	1	30	
2,4,5-Trichlorophenol	2.83	0.333	mg/kg wet	3.333		85	30-130	2	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

2,4,6-Trichlorophenol	2.63	0.333	mg/kg wet	3.333		79	30-130	3	30	
2,4-Dichlorophenol	2.54	0.333	mg/kg wet	3.333		76	30-130	2	30	
2,4-Dimethylphenol	2.48	0.333	mg/kg wet	3.333		74	30-130	2	30	
2,4-Dinitrophenol	2.42	1.67	mg/kg wet	3.333		73	30-130	2	30	
2,4-Dinitrotoluene	2.95	0.333	mg/kg wet	3.333		89	40-140	2	30	
2,6-Dinitrotoluene	2.83	0.333	mg/kg wet	3.333		85	40-140	0.01	30	
2-Chloronaphthalene	2.27	0.333	mg/kg wet	3.333		68	40-140	2	30	
2-Chlorophenol	2.22	0.333	mg/kg wet	3.333		67	30-130	3	30	
2-Methylnaphthalene	2.38	0.333	mg/kg wet	3.333		71	40-140	4	30	
2-Methylphenol	2.22	0.333	mg/kg wet	3.333		67	30-130	3	30	
2-Nitroaniline	2.22	0.333	mg/kg wet	3.333		66	40-140	0.3	30	
2-Nitrophenol	2.43	0.333	mg/kg wet	3.333		73	30-130	3	30	
3,3'-Dichlorobenzidine	3.04	0.667	mg/kg wet	3.333		91	40-140	0.8	30	
3+4-Methylphenol	4.36	0.667	mg/kg wet	6.667		65	30-130	4	30	
3-Nitroaniline	2.64	0.333	mg/kg wet	3.333		79	40-140	0.6	30	
4,6-Dinitro-2-Methylphenol	2.82	1.67	mg/kg wet	3.333		85	30-130	2	30	
4-Bromophenyl-phenylether	2.71	0.333	mg/kg wet	3.333		81	40-140	2	30	
4-Chloro-3-Methylphenol	2.57	0.333	mg/kg wet	3.333		77	30-130	3	30	
4-Chloroaniline	2.28	0.667	mg/kg wet	3.333		68	40-140	3	30	
4-Chloro-phenyl-phenyl ether	2.61	0.333	mg/kg wet	3.333		78	40-140	4	30	
4-Nitroaniline	2.87	0.333	mg/kg wet	3.333		86	40-140	2	30	
4-Nitrophenol	2.90	1.67	mg/kg wet	3.333		87	30-130	2	30	
Acenaphthene	2.64	0.333	mg/kg wet	3.333		79	40-140	4	30	
Acenaphthylene	2.43	0.333	mg/kg wet	3.333		73	40-140	4	30	
Acetophenone	2.17	0.667	mg/kg wet	3.333		65	40-140	5	30	
Aniline	2.02	0.667	mg/kg wet	3.333		61	40-140	0.1	30	
Anthracene	3.06	0.333	mg/kg wet	3.333		92	40-140	1	30	
Azobenzene	2.52	0.333	mg/kg wet	3.333		76	40-140	2	30	
Benzo(a)anthracene	3.05	0.333	mg/kg wet	3.333		91	40-140	2	30	
Benzo(a)pyrene	2.94	0.167	mg/kg wet	3.333		88	40-140	2	30	
Benzo(b)fluoranthene	3.06	0.333	mg/kg wet	3.333		92	40-140	3	30	
Benzo(g,h,i)perylene	3.07	0.333	mg/kg wet	3.333		92	40-140	0.2	30	
Benzo(k)fluoranthene	3.31	0.333	mg/kg wet	3.333		99	40-140	10	30	
Benzoic Acid	2.58	1.67	mg/kg wet	3.333		77	40-140	2	30	
Benzyl Alcohol	2.15	0.333	mg/kg wet	3.333		64	40-140	4	30	
bis(2-Chloroethoxy)methane	2.24	0.333	mg/kg wet	3.333		67	40-140	1	30	
bis(2-Chloroethyl)ether	1.99	0.333	mg/kg wet	3.333		60	40-140	4	30	
bis(2-chloroisopropyl)Ether	2.06	0.333	mg/kg wet	3.333		62	40-140	4	30	
bis(2-Ethylhexyl)phthalate	3.08	0.333	mg/kg wet	3.333		93	40-140	2	30	
Butylbenzylphthalate	2.95	0.333	mg/kg wet	3.333		88	40-140	3	30	
Carbazole	2.87	0.333	mg/kg wet	3.333		86	40-140	0.9	30	
Chrysene	3.04	0.167	mg/kg wet	3.333		91	40-140	3	30	
Dibenzo(a,h)Anthracene	3.24	0.167	mg/kg wet	3.333		97	40-140	0.3	30	
Dibenzofuran	2.52	0.333	mg/kg wet	3.333		76	40-140	4	30	
Diethylphthalate	2.77	0.333	mg/kg wet	3.333		83	40-140	0.2	30	



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
Client Project ID: ET and L Corp

ESS Laboratory Work Order: 1210249

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8270C Semi-Volatile Organic Compounds

Batch CJ21130 - 3546

Dimethylphthalate	2.69	0.333	mg/kg wet	3.333		81	40-140	2	30	
Di-n-butylphthalate	3.11	0.333	mg/kg wet	3.333		93	40-140	2	30	
Di-n-octylphthalate	3.59	0.333	mg/kg wet	3.333		108	40-140	0.3	30	
Fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140	2	30	
Fluorene	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Hexachlorobenzene	2.76	0.167	mg/kg wet	3.333		83	40-140	2	30	
Hexachlorobutadiene	2.42	0.333	mg/kg wet	3.333		73	40-140	3	30	
Hexachlorocyclopentadiene	2.17	1.67	mg/kg wet	3.333		65	40-140	3	30	
Hexachloroethane	1.98	0.333	mg/kg wet	3.333		59	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	3.08	0.333	mg/kg wet	3.333		92	40-140	0.4	30	
Isophorone	2.24	0.333	mg/kg wet	3.333		67	40-140	3	30	
Naphthalene	2.39	0.333	mg/kg wet	3.333		72	40-140	2	30	
Nitrobenzene	2.19	0.333	mg/kg wet	3.333		66	40-140	4	30	
N-Nitrosodimethylamine	1.88	0.333	mg/kg wet	3.333		57	40-140	3	30	
N-Nitroso-Di-n-Propylamine	2.01	0.333	mg/kg wet	3.333		60	40-140	5	30	
N-nitrosodiphenylamine	2.85	0.333	mg/kg wet	3.333		86	40-140	1	30	
Pentachlorophenol	2.54	1.67	mg/kg wet	3.333		76	30-130	3	30	
Phenanthrene	3.00	0.333	mg/kg wet	3.333		90	40-140	0.5	30	
Phenol	2.20	0.333	mg/kg wet	3.333		66	30-130	0.09	30	
Pyrene	3.01	0.333	mg/kg wet	3.333		90	40-140	3	30	
Pyridine	1.69	1.67	mg/kg wet	3.333		51	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	2.21		mg/kg wet	3.333		66	30-130			
Surrogate: 2,4,6-Tribromophenol	3.02		mg/kg wet	5.000		60	30-130			
Surrogate: 2-Chlorophenol-d4	2.29		mg/kg wet	5.000		46	30-130			
Surrogate: 2-Fluorobiphenyl	2.58		mg/kg wet	3.333		77	30-130			
Surrogate: 2-Fluorophenol	2.08		mg/kg wet	5.000		42	30-130			
Surrogate: Nitrobenzene-d5	2.24		mg/kg wet	3.333		67	30-130			
Surrogate: Phenol-d6	2.22		mg/kg wet	5.000		44	30-130			
Surrogate: p-Terphenyl-d14	3.05		mg/kg wet	3.333		91	30-130			



CERTIFICATE OF ANALYSIS

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Notes and Definitions

- U Analyte included in the analysis, but not detected
- Q Calibration required quadratic regression (Q).
- D Diluted.
- C+ Continuing Calibration recovery is above upper control limit (C+).
- ND Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- MDL Method Detection Limit
- MRL Method Reporting Limit
- LOD Limit of Detection
- LOQ Limit of Quantitation
- DL Detection Limit
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- 1 Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
- 2 Range result excludes concentrations of target analytes eluting in that range.
- 3 Range result excludes the concentration of the C9-C10 aromatic range.
- Avg Results reported as a mathematical average.
- NR No Recovery
- [CALC] Calculated Analyte
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: Thielsch Engineering, Inc.
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ESS Laboratory Work Order: 1210249

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)

A2LA Accredited: Testing Cert# 2864.01

<http://www.a2la.org/scopepdf/2864-01.pdf>

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/labs/waterlabs-instate.php>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutofStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water: RI0002

http://www.maine.gov/dep/blwq/topic/vessel/lab_list.pdf

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/labcert/labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://www4.egov.nh.gov/des/nhelap/nameSearch.asp>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

United States Department of Agriculture Soil Permit: S-54210

Maryland Potable Water: 301

http://www.mde.state.md.us/assets/document/WSP_labs-2009apr20.pdf

CHEMISTRY

A2LA Accredited: Testing Cert # 2864.01

Lead in Paint, Phthalates, Lead in Children's Metals Products (Including Jewelry)

<http://www.A2LA.org/dirsearchnew/newsearch.cfm>

CPSC ID# 1141

Lead Paint, Lead in Children's Metals Jewelry

<http://www.cpsc.gov/cgi-bin/labapplist.aspx>



Sample and Cooler Receipt Checklist

Client: Thielsch Engineering, Inc.
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 12100249
Date Project Due: 10/18/12
Days For Project: 5 Day

Items to be checked upon receipt:

- | | | | |
|--|-------------------------------|---|---|
| 1. Air Bill Manifest Present? | <input type="checkbox"/> * No | 10. Are the samples properly preserved? | <input type="checkbox"/> Yes |
| Air No.: | | 11. Proper sample containers used? | <input type="checkbox"/> Yes |
| 2. Were Custody Seals Present? | <input type="checkbox"/> No | 12. Any air bubbles in the VOA vials? | <input type="checkbox"/> N/A |
| 3. Were Custody Seals Intact? | <input type="checkbox"/> N/A | 13. Holding times exceeded? | <input type="checkbox"/> No |
| 4. Is Radiation count < 100 CPM? | <input type="checkbox"/> Yes | 14. Sufficient sample volumes? | <input type="checkbox"/> Yes |
| 5. Is a cooler present? | <input type="checkbox"/> Yes | 15. Any Subcontracting needed? | <input type="checkbox"/> * Yes |
| <u>Cooler Temp: 3.7</u> | | 16. Are ESS labels on correct containers? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <u>Iced With: Ice</u> | | 17. Were samples received intact? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Was COC included with samples? | <input type="checkbox"/> Yes | ESS Sample IDs: <u>01+02</u> | |
| 7. Was COC signed and dated by client? | <input type="checkbox"/> Yes | Sub Lab: <u>Sieve analysis</u> | |
| 8. Does the COC match the sample | <input type="checkbox"/> Yes | Analysis: <u>CTS</u> | |
| 9. Is COC complete and correct? | <input type="checkbox"/> Yes | TAT: <u>std</u> | |

18. Was there need to call project manager to discuss status? If yes, please explain.
Low levels Aaron 10/11/12 @ ISOWK

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	1	MeOH
1	Yes	40 ml - VOA	2	other
1	Yes	8 oz Soil Jar	3	NP
1	Yes	Plastic Bag	1	NP
2	Yes	40 ml - VOA	1	MeOH
2	Yes	40 ml - VOA	2	other
2	Yes	8 oz Soil Jar	3	NP
2	Yes	Plastic Bag	1	NP

Completed By: OK Date/Time: 10/11/12
Reviewed By: WRB Date/Time: 10/11/12

ESS Laboratory

Division of Thielsch Engineering, Inc.
 106 South Street, Hopkinton, MA 01748
 Tel. (508) 435-9244 Fax (508) 435-9912
 www.esslaboratory.com

CHAIN OF CUSTODY

ESS Lab # **1210249**

Turn Time Standard Other _____

Regulatory State: MA RI CT NH NJ NY ME Other _____

Is this project for any of the following:(please circle)
 MA-MCP Navy USACE CT DEP Other _____

Reporting Limits - _____

Electronic Deliverables Excel Access PDF

Co. Name **E.T. & L. CORP.**

Project # **CTS-74-12-0003.13J**

Project Name **TEXTRON SITE**

Contact Person **JAY / MATT POLSKY**

Proj. Location **PROVIDENCE R.I**

Address **873 GREAT ROAD**

City, State **STON, MA**

Zip **01775**

PO # _____

Tel. **978-897-4353**

Fax. **978-897-0779**

email: _____

ESS Lab ID	Date	Collection Time	Grab -G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis						
										VOC	SVOC	TPH	RB METALS	SIEVE ANALYSIS	ORG. CONTENT	PH
01	10-11-12	1:PM	G	S	1500-2000^{COVER} SOIL		6	G		X	X	X	X	X		
02	10-11-12	10:00 AM	G	S	INFIELD MIX		6	G		X	X	X	X	X		

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA Matrix: S-Soil SD-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present Yes No Internal Use Only

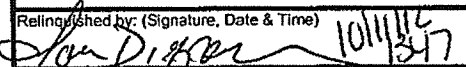
Preservation Code: 1-NP, 2-HCl, 3-H2SO4, 4-HNO3, 5-NaOH, 6-MeOH, 7-Asorbic Acid, 8-ZnAct, 9-_____

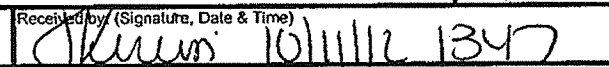
Seals Intact Yes No NA: [] Pickup

Sampled by: **JON DI GREBORIO**

Cooler Temperature: **3.7°C** [] Technician _____

Comments: **QUESTIONS TO MATT POLSKY**

Relinquished by: (Signature, Date & Time)
 10/11/12

Received by: (Signature, Date & Time)
 10/11/12 1347

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time)

Received by: (Signature, Date & Time)

* By circling MA-MCP, client acknowledges sampels were collected in accordance with MADEP CAM VIIA

Please fax to the laboratory all changes to Chain of Custody
Report Method Blank & Laboratory Control Sample Results

1 (White) Lab Copy
 2 (Yellow) Client Receipt