March 2, 2012

Vanasse Hangen Brustlin, Inc.

Ref: 72016.10

Mr. Timothy Fleury
Senior Engineer
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

Re: Trestle Trail, Coventry Rhode Island
Response to Site Investigation Report Addendum Comments

Dear Mr. Fleury:

Vanasse Hangen Brustlin Inc. (VHB), on behalf of our client, Prime Engineering, Inc. (PEI), submits this letter to respond to comments dated February 2, 2012 regarding the Trestle Trail Site Investigation Report (SIR) addendum.

For the sake of clarity, VHB has re-stated the question/comment in italics and has provided a response below it.

1. ***Site Plan – Coventry Auto Body.*** *The site plan for the Coventry Auto Body area consists of seven soil sampling locations; however, soil sampling location CAB-1 is identified twice on the site figure, one on the eastern edge of the samples and one on the western edge. Please update this plan to accurately depict the soil sampling location of CAB-1 and any other soil sampling locations that may have been located in the vicinity of Coventry Auto Body.*

   The correct location for soil sample location CAB-1 is on the western edge of the samples. The soil sample location on the eastern edge of samples is actually soil sample location CAB-4. Please refer to the attached Site Plan that depicts the correct soil sample locations.

2. ***Appendices.*** *The laboratory analytical data sheets were not included in this Site Investigation Report Addendum (Addendum). Please submit these analytical reports for each soil sample that was analyzed.*

   Please find attached the Certificates of Analysis for the soil samples.

3. ***Remedial Alternatives.*** *This Addendum did not include remedial alternatives in accordance with* ***Rule 7.04 Development of Remedial Alternatives*** *of the Remediation Regulations.* ***Rule 7.04*** *states "The Site Investigation Report shall contain a section proposing remedial alternatives. It should be clear in this section which of these alternatives is most preferable." The Department cannot issue a Program Letter, and*

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the Responsible Party cannot conduct post-site investigation public notice, until the Department offers its concurrence with a proposed remedial alternative.

VHB has developed the following summary of remedial alternatives to address soil impacts at the Site.

Option 1 – No Action/Natural Attenuation

The No Action/Natural Attenuation remedial response action is most appropriate for sites where the migration of site contaminants is expected to be minimal, the concentration of contaminants poses no significant risk to human health or the environment, and the substances are amenable to natural biodegradation process. The soil impacts identified at the Site are metals and polycyclic aromatic hydrocarbons (PAHs) detected within the surface soil interval. These types of substances are not expected to attenuate to lesser concentrations and their presence within the surface interval creates a condition that should be addressed to facilitate the re-use of the Site.

Option 2 – Impacted Soil Excavation and Off-Site Disposal

This option would consist of the total excavation, disposal and replacement of impacted soils above the Rhode Island Department of Environmental Management (RIDEM) Residential Direct Exposure Criteria (RDEC). Excavation is traditionally one of the simplest and most conclusive forms of site remediation. This option is not feasible because the cost of soil disposal and clean backfill would be significant due to the length of impacted trail areas. There are also negative secondary impacts such as consumption of landfill space associated with this approach would be disproportionate to the benefits realized by this option.

Option 3 – On-Site Capping of Soils and Environmental Land Use Restriction (ELUR)

It is the opinion of VHB that exposure pathways can be eliminated using an engineered cap. This can be accomplished by encapsulating existing surface soil beneath a two-foot soil cap, one-foot soil cap underlain by geotextile, four inches of pavement underlain with six inches of clean gravel, or four inches of concrete underlain with six inches of clean gravel. Since pavement is proposed as part of trail construction, this option can maximize cost-benefit results.

Some excavation of impacted soil may be necessary to achieve design grades, therefore, excess excavated soil will be re-used in areas where fill is required to the extent possible. Any impacted soil used as fill will be encapsulated with an engineered cap that is part of the trail design. Any excess soil that cannot be re-used under an approved cap, will be disposed at a licensed facility.

Since the impacted soil would be left in place with a cap remedy, an ELUR will be required for the Site. An ELUR is a legal document drafted for the purpose of placing a notice of restrictions

on the use or physical condition of a property for the protection of human health. The ELUR will require that the capped portions of the property remain in place and are properly maintained.

Recommended Alternative

It is VHB's opinion that the most effective way to bring the Site into compliance with RIDEM regulations is to select Option 3. During construction activities, on-Site soil will be managed according to a Soil Management Plan, which will be submitted as an appendix to the Remedial Action Work Plan.

Compliance with RIDEM Risk Management Provisions

The proposed Remedial Alternative will be implemented with the intent to provide conservative levels of protection for human health and the environment. The remedial goals seek to meet the Method 1 Standards of Risk Management outlined in Section 8.00 of the RIDEM Remediation Regulations by eliminating the exposure pathway so as to be compliant with the Rule 8.10 of the Remediation Regulations.

Technical Feasibility

Soil encapsulation is not a new or innovative form of remediation and is technically feasible.

Compliance with Federal, State and Local Regulations

The proposed Remedial Alternative will require the involvement and approval of the RIDEM Office of Waste Management.

The ability of the performing party to perform the preferred remedial alternative.

The RIDEM Division of Planning and Development is able and ready to perform the preferred remedial alternative.

4. ***Certification Requirements.*** *In accordance with* ***Rule 7.05 Certification Requirements*** *of the Remediation Regulations a certification by an authorized representative that prepared the report and by the Performing Party is required. Please submit a certification by the Performing Party responsible for the submittal of the Site Investigation Report.*

   Please find attached the signed Certification Requirement.

5. ***Internet Repository.*** *At the request of the public during the public meeting held on July 12, 2011, the Department established an internet repository for the Trestle Trail Bike Path. Please submit hard copies*

and electronic copies of all future correspondences, reports, and plans to be posted on the Department website.

Acknowledged. An electronic copy of this response to comments letter is provided on the attached compact disk.

If you have any questions or comments regarding these responses, please feel free to contact me at (401) 272-8100.

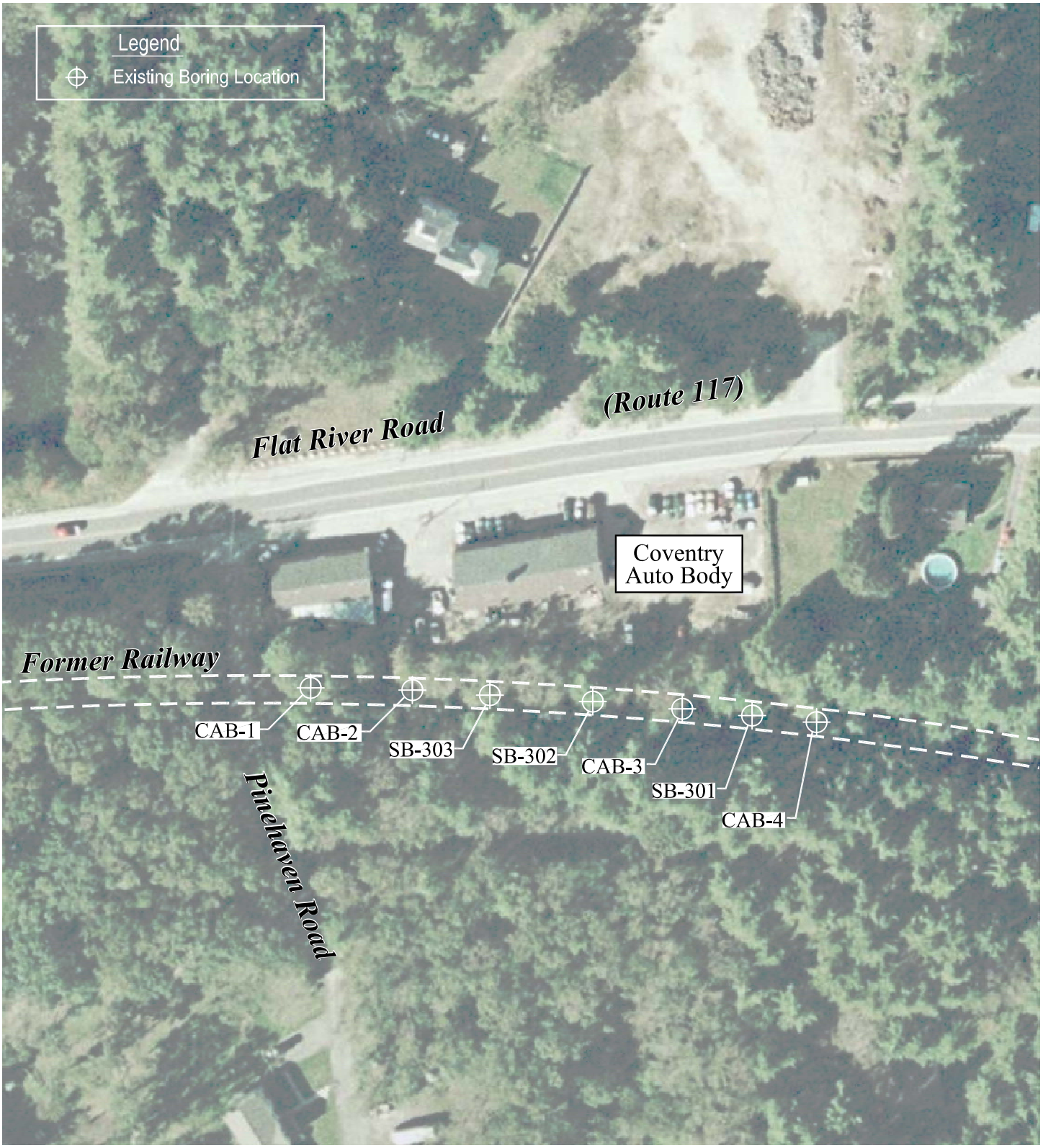
Very truly yours,

VANASSE HANGEN BRUSTLIN, INC.

Claude Masse
Senior Environmental Scientist

Cc: A. Marshall, RIDOT
R. Bailey, RIDEM
H. Neenan, Prime Engineering, Inc.
S. Courtemanche, VHB

Revised Figure



Source: PhotoMapper, 2006.

Vanasse Hangen Brustlin, Inc.

0 50 100 Feet

Site Plan
Coventry Auto Body
Coventry, Rhode Island

Certificates of Analysis

CERTIFICATE OF ANALYSIS

Josh Klement
Vanasse Hangen Brustlin, Inc.
10 Dorrance Street, Suite 400
Providence, RI 02903

RE: Trestle Trail (72016.1)
ESS Laboratory Work Order Number: 1110010

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

Laurel Stoddard
Laboratory Director

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

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110010

SAMPLE RECEIPT

The following samples were received on October 03, 2011 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1110010-01	SB-101 0ft-2ft	Soil	6010B, 8270C
1110010-02	SB-102 0ft-2ft	Soil	6010B, 8270C
1110010-03	SB-103 0ft-2ft	Soil	6010B, 8270C
1110010-04	SB-104 0ft-2ft	Soil	6010B, 8270C
1110010-05	SB-105 0ft-2ft	Soil	6010B, 8270C
1110010-06	SB-106 0ft-2ft	Soil	6010B, 8270C
1110010-07	SB-107 0ft-2ft	Soil	6010B, 8270C
1110010-08	SB-108 0ft-2ft	Soil	6010B, 8270C
1110010-09	SB-109 0ft-2ft	Soil	6010B, 8270C
1110010-10	SB-110 0ft-2ft	Soil	6010B, 8270C
1110010-11	SB-111 0ft-2ft	Soil	6010B, 8270C
1110010-12	SB-112 0ft-2ft	Soil	6010B, 8270C
1110010-13	SB-113 0ft-2ft	Soil	6010B, 8270C
1110010-14	SB-114 0ft-2ft	Soil	6010B, 8270C
1110010-15	SB-115 0ft-2ft	Soil	6010B, 8270C
1110010-16	SB-116 0ft-2ft	Soil	6010B, 8270C
1110010-17	SB-117 0ft-2ft	Soil	6010B, 8270C
1110010-18	SB-118 0ft-2ft	Soil	6010B, 8270C
1110010-19	SB-119 0ft-2ft	Soil	6010B, 8270C
1110010-20	SB-120 0ft-2ft	Soil	6010B, 8270C

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110010

PROJECT NARRATIVE

3050B/6000/7000 Total Metals
CJ10504-MS1 **Matrix Spike recovery is below lower control limit (M-).**
Arsenic (72% @ 75-125%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-101 0ft-2ft
Date Sampled: 10/03/11 08:15
Percent Solids: 93

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.6)	6010B	7	1	JP	10/05/11 14:59	2.1	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-101 0ft-2ft
Date Sampled: 10/03/11 08:15
Percent Solids: 93
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.358)	123	1	10/04/11 17:23	CUJ0007	CJ10324
Acenaphthene	ND (0.358)	43	1	10/04/11 17:23	CUJ0007	CJ10324
Acenaphthylene	ND (0.358)	23	1	10/04/11 17:23	CUJ0007	CJ10324
Anthracene	ND (0.358)	35	1	10/04/11 17:23	CUJ0007	CJ10324
Benzo(a)anthracene	ND (0.358)	0.9	1	10/04/11 17:23	CUJ0007	CJ10324
Benzo(a)pyrene	ND (0.180)	0.4	1	10/04/11 17:23	CUJ0007	CJ10324
Benzo(b)fluoranthene	ND (0.358)	0.9	1	10/04/11 17:23	CUJ0007	CJ10324
Benzo(g,h,i)perylene	ND (0.358)	0.8	1	10/04/11 17:23	CUJ0007	CJ10324
Benzo(k)fluoranthene	ND (0.358)	0.9	1	10/04/11 17:23	CUJ0007	CJ10324
Chrysene	ND (0.180)	0.4	1	10/04/11 17:23	CUJ0007	CJ10324
Dibenzo(a,h)Anthracene	ND (0.180)	0.4	1	10/04/11 17:23	CUJ0007	CJ10324
Fluoranthene	ND (0.358)	20	1	10/04/11 17:23	CUJ0007	CJ10324
Fluorene	ND (0.358)	28	1	10/04/11 17:23	CUJ0007	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.358)	0.9	1	10/04/11 17:23	CUJ0007	CJ10324
Naphthalene	ND (0.358)	54	1	10/04/11 17:23	CUJ0007	CJ10324
Phenanthrene	ND (0.358)	40	1	10/04/11 17:23	CUJ0007	CJ10324
Pyrene	ND (0.358)	13	1	10/04/11 17:23	CUJ0007	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*78 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: p-Terphenyl-d14	*96 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-102 0ft-2ft
Date Sampled: 10/03/11 08:25
Percent Solids: 96

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.4** (2.3)	6010B	7	1	JP	10/05/11 15:03	2.22	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-102 0ft-2ft
Date Sampled: 10/03/11 08:25
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.352)	123	1	10/04/11 17:53	CUJ0007	CJ10324
Acenaphthene	ND (0.352)	43	1	10/04/11 17:53	CUJ0007	CJ10324
Acenaphthylene	ND (0.352)	23	1	10/04/11 17:53	CUJ0007	CJ10324
Anthracene	ND (0.352)	35	1	10/04/11 17:53	CUJ0007	CJ10324
Benzo(a)anthracene	ND (0.352)	0.9	1	10/04/11 17:53	CUJ0007	CJ10324
Benzo(a)pyrene	ND (0.176)	0.4	1	10/04/11 17:53	CUJ0007	CJ10324
Benzo(b)fluoranthene	ND (0.352)	0.9	1	10/04/11 17:53	CUJ0007	CJ10324
Benzo(g,h,i)perylene	ND (0.352)	0.8	1	10/04/11 17:53	CUJ0007	CJ10324
Benzo(k)fluoranthene	ND (0.352)	0.9	1	10/04/11 17:53	CUJ0007	CJ10324
Chrysene	ND (0.176)	0.4	1	10/04/11 17:53	CUJ0007	CJ10324
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/04/11 17:53	CUJ0007	CJ10324
Fluoranthene	ND (0.352)	20	1	10/04/11 17:53	CUJ0007	CJ10324
Fluorene	ND (0.352)	28	1	10/04/11 17:53	CUJ0007	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.352)	0.9	1	10/04/11 17:53	CUJ0007	CJ10324
Naphthalene	ND (0.352)	54	1	10/04/11 17:53	CUJ0007	CJ10324
Phenanthrene	ND (0.352)	40	1	10/04/11 17:53	CUJ0007	CJ10324
Pyrene	ND (0.352)	13	1	10/04/11 17:53	CUJ0007	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*73 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*74 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-103 0ft-2ft
Date Sampled: 10/03/11 08:31
Percent Solids: 95

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.6** (2.2)	6010B	7	1	JP	10/05/11 15:07	2.34	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-103 0ft-2ft
Date Sampled: 10/03/11 08:31
Percent Solids: 95
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.339)	123	1	10/04/11 18:24	CUJ0007	CJ10324
Acenaphthene	ND (0.339)	43	1	10/04/11 18:24	CUJ0007	CJ10324
Acenaphthylene	ND (0.339)	23	1	10/04/11 18:24	CUJ0007	CJ10324
Anthracene	ND (0.339)	35	1	10/04/11 18:24	CUJ0007	CJ10324
Benzo(a)anthracene	ND (0.339)	0.9	1	10/04/11 18:24	CUJ0007	CJ10324
Benzo(a)pyrene	ND (0.170)	0.4	1	10/04/11 18:24	CUJ0007	CJ10324
Benzo(b)fluoranthene	ND (0.339)	0.9	1	10/04/11 18:24	CUJ0007	CJ10324
Benzo(g,h,i)perylene	ND (0.339)	0.8	1	10/04/11 18:24	CUJ0007	CJ10324
Benzo(k)fluoranthene	ND (0.339)	0.9	1	10/04/11 18:24	CUJ0007	CJ10324
Chrysene	ND (0.170)	0.4	1	10/04/11 18:24	CUJ0007	CJ10324
Dibenzo(a,h)Anthracene	ND (0.170)	0.4	1	10/04/11 18:24	CUJ0007	CJ10324
Fluoranthene	ND (0.339)	20	1	10/04/11 18:24	CUJ0007	CJ10324
Fluorene	ND (0.339)	28	1	10/04/11 18:24	CUJ0007	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.339)	0.9	1	10/04/11 18:24	CUJ0007	CJ10324
Naphthalene	ND (0.339)	54	1	10/04/11 18:24	CUJ0007	CJ10324
Phenanthrene	ND (0.339)	40	1	10/04/11 18:24	CUJ0007	CJ10324
Pyrene	ND (0.339)	13	1	10/04/11 18:24	CUJ0007	CJ10324

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-104 0ft-2ft
Date Sampled: 10/03/11 08:38
Percent Solids: 96

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.5)	6010B	7	1	JP	10/05/11 15:11	2.08	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-104 0ft-2ft
Date Sampled: 10/03/11 08:38
Percent Solids: 96
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.347)	123	1	10/04/11 18:54	CUJ0007	CJ10324
Acenaphthene	ND (0.347)	43	1	10/04/11 18:54	CUJ0007	CJ10324
Acenaphthylene	ND (0.347)	23	1	10/04/11 18:54	CUJ0007	CJ10324
Anthracene	ND (0.347)	35	1	10/04/11 18:54	CUJ0007	CJ10324
Benzo(a)anthracene	ND (0.347)	0.9	1	10/04/11 18:54	CUJ0007	CJ10324
Benzo(a)pyrene	ND (0.174)	0.4	1	10/04/11 18:54	CUJ0007	CJ10324
Benzo(b)fluoranthene	ND (0.347)	0.9	1	10/04/11 18:54	CUJ0007	CJ10324
Benzo(g,h,i)perylene	ND (0.347)	0.8	1	10/04/11 18:54	CUJ0007	CJ10324
Benzo(k)fluoranthene	ND (0.347)	0.9	1	10/04/11 18:54	CUJ0007	CJ10324
Chrysene	ND (0.174)	0.4	1	10/04/11 18:54	CUJ0007	CJ10324
Dibenzo(a,h)Anthracene	ND (0.174)	0.4	1	10/04/11 18:54	CUJ0007	CJ10324
Fluoranthene	ND (0.347)	20	1	10/04/11 18:54	CUJ0007	CJ10324
Fluorene	ND (0.347)	28	1	10/04/11 18:54	CUJ0007	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.347)	0.9	1	10/04/11 18:54	CUJ0007	CJ10324
Naphthalene	ND (0.347)	54	1	10/04/11 18:54	CUJ0007	CJ10324
Phenanthrene	ND (0.347)	40	1	10/04/11 18:54	CUJ0007	CJ10324
Pyrene	ND (0.347)	13	1	10/04/11 18:54	CUJ0007	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*65 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: Nitrobenzene-d5	*60 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-105 0ft-2ft
Date Sampled: 10/03/11 08:39
Percent Solids: 94

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.3)	6010B	7	1	JP	10/05/11 15:15	2.29	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-105 0ft-2ft
Date Sampled: 10/03/11 08:39
Percent Solids: 94
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.352)	123	1	10/04/11 19:24	CUJ0007	CJ10324
Acenaphthene	ND (0.352)	43	1	10/04/11 19:24	CUJ0007	CJ10324
Acenaphthylene	ND (0.352)	23	1	10/04/11 19:24	CUJ0007	CJ10324
Anthracene	ND (0.352)	35	1	10/04/11 19:24	CUJ0007	CJ10324
Benzo(a)anthracene	ND (0.352)	0.9	1	10/04/11 19:24	CUJ0007	CJ10324
Benzo(a)pyrene	ND (0.176)	0.4	1	10/04/11 19:24	CUJ0007	CJ10324
Benzo(b)fluoranthene	ND (0.352)	0.9	1	10/04/11 19:24	CUJ0007	CJ10324
Benzo(g,h,i)perylene	ND (0.352)	0.8	1	10/04/11 19:24	CUJ0007	CJ10324
Benzo(k)fluoranthene	ND (0.352)	0.9	1	10/04/11 19:24	CUJ0007	CJ10324
Chrysene	ND (0.176)	0.4	1	10/04/11 19:24	CUJ0007	CJ10324
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/04/11 19:24	CUJ0007	CJ10324
Fluoranthene	ND (0.352)	20	1	10/04/11 19:24	CUJ0007	CJ10324
Fluorene	ND (0.352)	28	1	10/04/11 19:24	CUJ0007	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.352)	0.9	1	10/04/11 19:24	CUJ0007	CJ10324
Naphthalene	ND (0.352)	54	1	10/04/11 19:24	CUJ0007	CJ10324
Phenanthrene	ND (0.352)	40	1	10/04/11 19:24	CUJ0007	CJ10324
Pyrene	ND (0.352)	13	1	10/04/11 19:24	CUJ0007	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-106 0ft-2ft
Date Sampled: 10/03/11 08:48
Percent Solids: 96

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**9.9** (2.1)	6010B	7	1	JP	10/05/11 15:19	2.5	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-106 0ft-2ft
Date Sampled: 10/03/11 08:48
Percent Solids: 96
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.342)	123	1	10/05/11 9:04	CUJ0020	CJ10324
Acenaphthene	ND (0.342)	43	1	10/05/11 9:04	CUJ0020	CJ10324
Acenaphthylene	ND (0.342)	23	1	10/05/11 9:04	CUJ0020	CJ10324
Anthracene	ND (0.342)	35	1	10/05/11 9:04	CUJ0020	CJ10324
Benzo(a)anthracene	**0.465** (0.342)	0.9	1	10/05/11 9:04	CUJ0020	CJ10324
Benzo(a)pyrene	**0.512** (0.172)	0.4	1	10/05/11 9:04	CUJ0020	CJ10324
Benzo(b)fluoranthene	**1.07** (0.342)	0.9	1	10/05/11 9:04	CUJ0020	CJ10324
Benzo(g,h,i)perylene	**0.387** (0.342)	0.8	1	10/05/11 9:04	CUJ0020	CJ10324
Benzo(k)fluoranthene	**0.495** (0.342)	0.9	1	10/05/11 9:04	CUJ0020	CJ10324
Chrysene	**0.734** (0.172)	0.4	1	10/05/11 9:04	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.172)	0.4	1	10/05/11 9:04	CUJ0020	CJ10324
Fluoranthene	**0.821** (0.342)	20	1	10/05/11 9:04	CUJ0020	CJ10324
Fluorene	ND (0.342)	28	1	10/05/11 9:04	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	**0.400** (0.342)	0.9	1	10/05/11 9:04	CUJ0020	CJ10324
Naphthalene	ND (0.342)	54	1	10/05/11 9:04	CUJ0020	CJ10324
Phenanthrene	ND (0.342)	40	1	10/05/11 9:04	CUJ0020	CJ10324
Pyrene	**0.697** (0.342)	13	1	10/05/11 9:04	CUJ0020	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*77 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-107 0ft-2ft
Date Sampled: 10/03/11 08:47
Percent Solids: 96

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.7** (2.4)	6010B	7	1	JP	10/05/11 15:23	2.14	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-107 0ft-2ft
Date Sampled: 10/03/11 08:47
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.345)	123	1	10/05/11 9:34	CUJ0020	CJ10324
Acenaphthene	ND (0.345)	43	1	10/05/11 9:34	CUJ0020	CJ10324
Acenaphthylene	ND (0.345)	23	1	10/05/11 9:34	CUJ0020	CJ10324
Anthracene	ND (0.345)	35	1	10/05/11 9:34	CUJ0020	CJ10324
Benzo(a)anthracene	ND (0.345)	0.9	1	10/05/11 9:34	CUJ0020	CJ10324
Benzo(a)pyrene	ND (0.173)	0.4	1	10/05/11 9:34	CUJ0020	CJ10324
Benzo(b)fluoranthene	ND (0.345)	0.9	1	10/05/11 9:34	CUJ0020	CJ10324
Benzo(g,h,i)perylene	ND (0.345)	0.8	1	10/05/11 9:34	CUJ0020	CJ10324
Benzo(k)fluoranthene	ND (0.345)	0.9	1	10/05/11 9:34	CUJ0020	CJ10324
Chrysene	ND (0.173)	0.4	1	10/05/11 9:34	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.173)	0.4	1	10/05/11 9:34	CUJ0020	CJ10324
Fluoranthene	ND (0.345)	20	1	10/05/11 9:34	CUJ0020	CJ10324
Fluorene	ND (0.345)	28	1	10/05/11 9:34	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.345)	0.9	1	10/05/11 9:34	CUJ0020	CJ10324
Naphthalene	ND (0.345)	54	1	10/05/11 9:34	CUJ0020	CJ10324
Phenanthrene	ND (0.345)	40	1	10/05/11 9:34	CUJ0020	CJ10324
Pyrene	ND (0.345)	13	1	10/05/11 9:34	CUJ0020	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*74 %*		*30-130*
Surrogate: Nitrobenzene-d5	*68 %*		*30-130*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-108 0ft-2ft
Date Sampled: 10/03/11 08:55
Percent Solids: 96

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**11.4** (2.6)	6010B	7	1	JP	10/05/11 15:36	2.02	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-108 0ft-2ft
Date Sampled: 10/03/11 08:55
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.352)	123	1	10/05/11 10:04	CUJ0020	CJ10324
Acenaphthene	ND (0.352)	43	1	10/05/11 10:04	CUJ0020	CJ10324
Acenaphthylene	ND (0.352)	23	1	10/05/11 10:04	CUJ0020	CJ10324
Anthracene	ND (0.352)	35	1	10/05/11 10:04	CUJ0020	CJ10324
Benzo(a)anthracene	ND (0.352)	0.9	1	10/05/11 10:04	CUJ0020	CJ10324
Benzo(a)pyrene	**0.228** (0.176)	0.4	1	10/05/11 10:04	CUJ0020	CJ10324
Benzo(b)fluoranthene	**0.420** (0.352)	0.9	1	10/05/11 10:04	CUJ0020	CJ10324
Benzo(g,h,i)perylene	ND (0.352)	0.8	1	10/05/11 10:04	CUJ0020	CJ10324
Benzo(k)fluoranthene	ND (0.352)	0.9	1	10/05/11 10:04	CUJ0020	CJ10324
Chrysene	**0.304** (0.176)	0.4	1	10/05/11 10:04	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/05/11 10:04	CUJ0020	CJ10324
Fluoranthene	**0.505** (0.352)	20	1	10/05/11 10:04	CUJ0020	CJ10324
Fluorene	ND (0.352)	28	1	10/05/11 10:04	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.352)	0.9	1	10/05/11 10:04	CUJ0020	CJ10324
Naphthalene	ND (0.352)	54	1	10/05/11 10:04	CUJ0020	CJ10324
Phenanthrene	ND (0.352)	40	1	10/05/11 10:04	CUJ0020	CJ10324
Pyrene	**0.387** (0.352)	13	1	10/05/11 10:04	CUJ0020	CJ10324

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: Nitrobenzene-d5	*66 %*		*30-130*
Surrogate: p-Terphenyl-d14	*83 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-109 0ft-2ft
Date Sampled: 10/03/11 08:58
Percent Solids: 96

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-09
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**8.8** (2.4)	6010B	7	1	JP	10/05/11 15:40	2.19	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-109 0ft-2ft
Date Sampled: 10/03/11 08:58
Percent Solids: 96
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-09
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.354)	123	1	10/05/11 10:35	CUJ0020	CJ10324
Acenaphthene	ND (0.354)	43	1	10/05/11 10:35	CUJ0020	CJ10324
Acenaphthylene	ND (0.354)	23	1	10/05/11 10:35	CUJ0020	CJ10324
Anthracene	ND (0.354)	35	1	10/05/11 10:35	CUJ0020	CJ10324
Benzo(a)anthracene	**0.493** (0.354)	0.9	1	10/05/11 10:35	CUJ0020	CJ10324
Benzo(a)pyrene	**0.448** (0.178)	0.4	1	10/05/11 10:35	CUJ0020	CJ10324
Benzo(b)fluoranthene	**1.11** (0.354)	0.9	1	10/05/11 10:35	CUJ0020	CJ10324
Benzo(g,h,i)perylene	**0.435** (0.354)	0.8	1	10/05/11 10:35	CUJ0020	CJ10324
Benzo(k)fluoranthene	**0.502** (0.354)	0.9	1	10/05/11 10:35	CUJ0020	CJ10324
Chrysene	**0.864** (0.178)	0.4	1	10/05/11 10:35	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.178)	0.4	1	10/05/11 10:35	CUJ0020	CJ10324
Fluoranthene	**1.69** (0.354)	20	1	10/05/11 10:35	CUJ0020	CJ10324
Fluorene	ND (0.354)	28	1	10/05/11 10:35	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	**0.459** (0.354)	0.9	1	10/05/11 10:35	CUJ0020	CJ10324
Naphthalene	ND (0.354)	54	1	10/05/11 10:35	CUJ0020	CJ10324
Phenanthrene	ND (0.354)	40	1	10/05/11 10:35	CUJ0020	CJ10324
Pyrene	**1.19** (0.354)	13	1	10/05/11 10:35	CUJ0020	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: Nitrobenzene-d5	*66 %*		*30-130*
Surrogate: p-Terphenyl-d14	*86 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-110 0ft-2ft
Date Sampled: 10/03/11 09:04
Percent Solids: 95

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-10
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.9** (2.5)	6010B	7	1	JP	10/05/11 15:44	2.13	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-110 0ft-2ft
Date Sampled: 10/03/11 09:04
Percent Solids: 95
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.348)	123	1	10/05/11 11:05	CUJ0020	CJ10324
Acenaphthene	ND (0.348)	43	1	10/05/11 11:05	CUJ0020	CJ10324
Acenaphthylene	ND (0.348)	23	1	10/05/11 11:05	CUJ0020	CJ10324
Anthracene	ND (0.348)	35	1	10/05/11 11:05	CUJ0020	CJ10324
Benzo(a)anthracene	ND (0.348)	0.9	1	10/05/11 11:05	CUJ0020	CJ10324
Benzo(a)pyrene	ND (0.175)	0.4	1	10/05/11 11:05	CUJ0020	CJ10324
Benzo(b)fluoranthene	ND (0.348)	0.9	1	10/05/11 11:05	CUJ0020	CJ10324
Benzo(g,h,i)perylene	ND (0.348)	0.8	1	10/05/11 11:05	CUJ0020	CJ10324
Benzo(k)fluoranthene	ND (0.348)	0.9	1	10/05/11 11:05	CUJ0020	CJ10324
Chrysene	ND (0.175)	0.4	1	10/05/11 11:05	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.175)	0.4	1	10/05/11 11:05	CUJ0020	CJ10324
Fluoranthene	ND (0.348)	20	1	10/05/11 11:05	CUJ0020	CJ10324
Fluorene	ND (0.348)	28	1	10/05/11 11:05	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.348)	0.9	1	10/05/11 11:05	CUJ0020	CJ10324
Naphthalene	ND (0.348)	54	1	10/05/11 11:05	CUJ0020	CJ10324
Phenanthrene	ND (0.348)	40	1	10/05/11 11:05	CUJ0020	CJ10324
Pyrene	ND (0.348)	13	1	10/05/11 11:05	CUJ0020	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*82 %*		*30-130*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-111 0ft-2ft
Date Sampled: 10/03/11 09:05
Percent Solids: 95

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-11
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.5** (2.4)	6010B	7	1	JP	10/05/11 16:05	2.2	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-111 0ft-2ft
Date Sampled: 10/03/11 09:05
Percent Solids: 95
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.351)	123	1	10/05/11 11:35	CUJ0020	CJ10324
Acenaphthene	ND (0.351)	43	1	10/05/11 11:35	CUJ0020	CJ10324
Acenaphthylene	ND (0.351)	23	1	10/05/11 11:35	CUJ0020	CJ10324
Anthracene	ND (0.351)	35	1	10/05/11 11:35	CUJ0020	CJ10324
Benzo(a)anthracene	ND (0.351)	0.9	1	10/05/11 11:35	CUJ0020	CJ10324
Benzo(a)pyrene	ND (0.176)	0.4	1	10/05/11 11:35	CUJ0020	CJ10324
Benzo(b)fluoranthene	ND (0.351)	0.9	1	10/05/11 11:35	CUJ0020	CJ10324
Benzo(g,h,i)perylene	ND (0.351)	0.8	1	10/05/11 11:35	CUJ0020	CJ10324
Benzo(k)fluoranthene	ND (0.351)	0.9	1	10/05/11 11:35	CUJ0020	CJ10324
Chrysene	ND (0.176)	0.4	1	10/05/11 11:35	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/05/11 11:35	CUJ0020	CJ10324
Fluoranthene	ND (0.351)	20	1	10/05/11 11:35	CUJ0020	CJ10324
Fluorene	ND (0.351)	28	1	10/05/11 11:35	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.351)	0.9	1	10/05/11 11:35	CUJ0020	CJ10324
Naphthalene	ND (0.351)	54	1	10/05/11 11:35	CUJ0020	CJ10324
Phenanthrene	ND (0.351)	40	1	10/05/11 11:35	CUJ0020	CJ10324
Pyrene	ND (0.351)	13	1	10/05/11 11:35	CUJ0020	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*84 %*		*30-130*
Surrogate: Nitrobenzene-d5	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-112 0ft-2ft
Date Sampled: 10/03/11 09:13
Percent Solids: 93

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-12
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.4)	6010B	7	1	JP	10/05/11 16:09	2.23	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-112 0ft-2ft
Date Sampled: 10/03/11 09:13
Percent Solids: 93
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.360)	123	1	10/05/11 12:05	CUJ0020	CJ10324
Acenaphthene	ND (0.360)	43	1	10/05/11 12:05	CUJ0020	CJ10324
Acenaphthylene	ND (0.360)	23	1	10/05/11 12:05	CUJ0020	CJ10324
Anthracene	ND (0.360)	35	1	10/05/11 12:05	CUJ0020	CJ10324
Benzo(a)anthracene	ND (0.360)	0.9	1	10/05/11 12:05	CUJ0020	CJ10324
Benzo(a)pyrene	ND (0.181)	0.4	1	10/05/11 12:05	CUJ0020	CJ10324
Benzo(b)fluoranthene	ND (0.360)	0.9	1	10/05/11 12:05	CUJ0020	CJ10324
Benzo(g,h,i)perylene	ND (0.360)	0.8	1	10/05/11 12:05	CUJ0020	CJ10324
Benzo(k)fluoranthene	ND (0.360)	0.9	1	10/05/11 12:05	CUJ0020	CJ10324
Chrysene	ND (0.181)	0.4	1	10/05/11 12:05	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.181)	0.4	1	10/05/11 12:05	CUJ0020	CJ10324
Fluoranthene	ND (0.360)	20	1	10/05/11 12:05	CUJ0020	CJ10324
Fluorene	ND (0.360)	28	1	10/05/11 12:05	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.360)	0.9	1	10/05/11 12:05	CUJ0020	CJ10324
Naphthalene	ND (0.360)	54	1	10/05/11 12:05	CUJ0020	CJ10324
Phenanthrene	ND (0.360)	40	1	10/05/11 12:05	CUJ0020	CJ10324
Pyrene	ND (0.360)	13	1	10/05/11 12:05	CUJ0020	CJ10324

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*84 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-113 0ft-2ft
Date Sampled: 10/03/11 09:13
Percent Solids: 93

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-13
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.5)	6010B	7	1	JP	10/05/11 16:13	2.13	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-113 0ft-2ft
Date Sampled: 10/03/11 09:13
Percent Solids: 93
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-13
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.342)	123	1	10/05/11 12:35	CUJ0020	CJ10324
Acenaphthene	ND (0.342)	43	1	10/05/11 12:35	CUJ0020	CJ10324
Acenaphthylene	ND (0.342)	23	1	10/05/11 12:35	CUJ0020	CJ10324
Anthracene	ND (0.342)	35	1	10/05/11 12:35	CUJ0020	CJ10324
Benzo(a)anthracene	ND (0.342)	0.9	1	10/05/11 12:35	CUJ0020	CJ10324
Benzo(a)pyrene	ND (0.172)	0.4	1	10/05/11 12:35	CUJ0020	CJ10324
Benzo(b)fluoranthene	ND (0.342)	0.9	1	10/05/11 12:35	CUJ0020	CJ10324
Benzo(g,h,i)perylene	ND (0.342)	0.8	1	10/05/11 12:35	CUJ0020	CJ10324
Benzo(k)fluoranthene	ND (0.342)	0.9	1	10/05/11 12:35	CUJ0020	CJ10324
Chrysene	ND (0.172)	0.4	1	10/05/11 12:35	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.172)	0.4	1	10/05/11 12:35	CUJ0020	CJ10324
Fluoranthene	ND (0.342)	20	1	10/05/11 12:35	CUJ0020	CJ10324
Fluorene	ND (0.342)	28	1	10/05/11 12:35	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.342)	0.9	1	10/05/11 12:35	CUJ0020	CJ10324
Naphthalene	ND (0.342)	54	1	10/05/11 12:35	CUJ0020	CJ10324
Phenanthrene	ND (0.342)	40	1	10/05/11 12:35	CUJ0020	CJ10324
Pyrene	ND (0.342)	13	1	10/05/11 12:35	CUJ0020	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*85 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*92 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*91 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-114 0ft-2ft
Date Sampled: 10/03/11 09:19
Percent Solids: 95

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-14
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.9** (2.3)	6010B	7	1	JP	10/05/11 16:29	2.28	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-114 0ft-2ft
Date Sampled: 10/03/11 09:19
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-14
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.344)	123	1	10/05/11 13:06	CUJ0020	CJ10324
Acenaphthene	ND (0.344)	43	1	10/05/11 13:06	CUJ0020	CJ10324
Acenaphthylene	ND (0.344)	23	1	10/05/11 13:06	CUJ0020	CJ10324
Anthracene	ND (0.344)	35	1	10/05/11 13:06	CUJ0020	CJ10324
Benzo(a)anthracene	ND (0.344)	0.9	1	10/05/11 13:06	CUJ0020	CJ10324
Benzo(a)pyrene	ND (0.172)	0.4	1	10/05/11 13:06	CUJ0020	CJ10324
Benzo(b)fluoranthene	ND (0.344)	0.9	1	10/05/11 13:06	CUJ0020	CJ10324
Benzo(g,h,i)perylene	ND (0.344)	0.8	1	10/05/11 13:06	CUJ0020	CJ10324
Benzo(k)fluoranthene	ND (0.344)	0.9	1	10/05/11 13:06	CUJ0020	CJ10324
Chrysene	ND (0.172)	0.4	1	10/05/11 13:06	CUJ0020	CJ10324
Dibenzo(a,h)Anthracene	ND (0.172)	0.4	1	10/05/11 13:06	CUJ0020	CJ10324
Fluoranthene	ND (0.344)	20	1	10/05/11 13:06	CUJ0020	CJ10324
Fluorene	ND (0.344)	28	1	10/05/11 13:06	CUJ0020	CJ10324
Indeno(1,2,3-cd)Pyrene	ND (0.344)	0.9	1	10/05/11 13:06	CUJ0020	CJ10324
Naphthalene	ND (0.344)	54	1	10/05/11 13:06	CUJ0020	CJ10324
Phenanthrene	ND (0.344)	40	1	10/05/11 13:06	CUJ0020	CJ10324
Pyrene	ND (0.344)	13	1	10/05/11 13:06	CUJ0020	CJ10324

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*83 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-115 0ft-2ft
Date Sampled: 10/03/11 09:23
Percent Solids: 92

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-15
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.4)	6010B	7	1	JP	10/05/11 16:33	2.31	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-115 0ft-2ft
Date Sampled: 10/03/11 09:23
Percent Solids: 92
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-15
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.377)	123	1	10/05/11 17:20	CUJ0026	CJ10417
Acenaphthene	ND (0.377)	43	1	10/05/11 17:20	CUJ0026	CJ10417
Acenaphthylene	ND (0.377)	23	1	10/05/11 17:20	CUJ0026	CJ10417
Anthracene	ND (0.377)	35	1	10/05/11 17:20	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.377)	0.9	1	10/05/11 17:20	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.189)	0.4	1	10/05/11 17:20	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.377)	0.9	1	10/05/11 17:20	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.377)	0.8	1	10/05/11 17:20	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.377)	0.9	1	10/05/11 17:20	CUJ0026	CJ10417
Chrysene	ND (0.189)	0.4	1	10/05/11 17:20	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.189)	0.4	1	10/05/11 17:20	CUJ0026	CJ10417
Fluoranthene	ND (0.377)	20	1	10/05/11 17:20	CUJ0026	CJ10417
Fluorene	ND (0.377)	28	1	10/05/11 17:20	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.377)	0.9	1	10/05/11 17:20	CUJ0026	CJ10417
Naphthalene	ND (0.377)	54	1	10/05/11 17:20	CUJ0026	CJ10417
Phenanthrene	ND (0.377)	40	1	10/05/11 17:20	CUJ0026	CJ10417
Pyrene	ND (0.377)	13	1	10/05/11 17:20	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-116 0ft-2ft
Date Sampled: 10/03/11 09:28
Percent Solids: 95

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-16
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.5)	6010B	7	1	JP	10/05/11 16:37	2.13	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-116 0ft-2ft
Date Sampled: 10/03/11 09:28
Percent Solids: 95
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-16
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.365)	123	1	10/05/11 17:50	CUJ0026	CJ10417
Acenaphthene	ND (0.365)	43	1	10/05/11 17:50	CUJ0026	CJ10417
Acenaphthylene	ND (0.365)	23	1	10/05/11 17:50	CUJ0026	CJ10417
Anthracene	ND (0.365)	35	1	10/05/11 17:50	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.365)	0.9	1	10/05/11 17:50	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.183)	0.4	1	10/05/11 17:50	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.365)	0.9	1	10/05/11 17:50	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.365)	0.8	1	10/05/11 17:50	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.365)	0.9	1	10/05/11 17:50	CUJ0026	CJ10417
Chrysene	ND (0.183)	0.4	1	10/05/11 17:50	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.183)	0.4	1	10/05/11 17:50	CUJ0026	CJ10417
Fluoranthene	ND (0.365)	20	1	10/05/11 17:50	CUJ0026	CJ10417
Fluorene	ND (0.365)	28	1	10/05/11 17:50	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.365)	0.9	1	10/05/11 17:50	CUJ0026	CJ10417
Naphthalene	ND (0.365)	54	1	10/05/11 17:50	CUJ0026	CJ10417
Phenanthrene	ND (0.365)	40	1	10/05/11 17:50	CUJ0026	CJ10417
Pyrene	ND (0.365)	13	1	10/05/11 17:50	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*60 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*62 %*		*30-130*
Surrogate: Nitrobenzene-d5	*56 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-117 0ft-2ft
Date Sampled: 10/03/11 09:32
Percent Solids: 94

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-17
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**7.5** (2.4)	6010B	7	1	JP	10/05/11 16:41	2.24	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-117 0ft-2ft
Date Sampled: 10/03/11 09:32
Percent Solids: 94
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-17
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.364)	123	1	10/05/11 18:20	CUJ0026	CJ10417
Acenaphthene	ND (0.364)	43	1	10/05/11 18:20	CUJ0026	CJ10417
Acenaphthylene	ND (0.364)	23	1	10/05/11 18:20	CUJ0026	CJ10417
Anthracene	ND (0.364)	35	1	10/05/11 18:20	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.364)	0.9	1	10/05/11 18:20	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.183)	0.4	1	10/05/11 18:20	CUJ0026	CJ10417
Benzo(b)fluoranthene	**0.388** (0.364)	0.9	1	10/05/11 18:20	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.364)	0.8	1	10/05/11 18:20	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.364)	0.9	1	10/05/11 18:20	CUJ0026	CJ10417
Chrysene	**0.314** (0.183)	0.4	1	10/05/11 18:20	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.183)	0.4	1	10/05/11 18:20	CUJ0026	CJ10417
Fluoranthene	ND (0.364)	20	1	10/05/11 18:20	CUJ0026	CJ10417
Fluorene	ND (0.364)	28	1	10/05/11 18:20	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.364)	0.9	1	10/05/11 18:20	CUJ0026	CJ10417
Naphthalene	ND (0.364)	54	1	10/05/11 18:20	CUJ0026	CJ10417
Phenanthrene	ND (0.364)	40	1	10/05/11 18:20	CUJ0026	CJ10417
Pyrene	ND (0.364)	13	1	10/05/11 18:20	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-118 0ft-2ft
Date Sampled: 10/03/11 09:36
Percent Solids: 94

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-18
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.6)	6010B	7	1	JP	10/05/11 16:45	2.04	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-118 0ft-2ft
Date Sampled: 10/03/11 09:36
Percent Solids: 94
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-18
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.366)	123	1	10/05/11 18:51	CUJ0026	CJ10417
Acenaphthene	ND (0.366)	43	1	10/05/11 18:51	CUJ0026	CJ10417
Acenaphthylene	ND (0.366)	23	1	10/05/11 18:51	CUJ0026	CJ10417
Anthracene	ND (0.366)	35	1	10/05/11 18:51	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.366)	0.9	1	10/05/11 18:51	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.184)	0.4	1	10/05/11 18:51	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.366)	0.9	1	10/05/11 18:51	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.366)	0.8	1	10/05/11 18:51	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.366)	0.9	1	10/05/11 18:51	CUJ0026	CJ10417
Chrysene	ND (0.184)	0.4	1	10/05/11 18:51	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.184)	0.4	1	10/05/11 18:51	CUJ0026	CJ10417
Fluoranthene	ND (0.366)	20	1	10/05/11 18:51	CUJ0026	CJ10417
Fluorene	ND (0.366)	28	1	10/05/11 18:51	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.366)	0.9	1	10/05/11 18:51	CUJ0026	CJ10417
Naphthalene	ND (0.366)	54	1	10/05/11 18:51	CUJ0026	CJ10417
Phenanthrene	ND (0.366)	40	1	10/05/11 18:51	CUJ0026	CJ10417
Pyrene	ND (0.366)	13	1	10/05/11 18:51	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*92 %*		*30-130*
Surrogate: Nitrobenzene-d5	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*95 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-119 0ft-2ft
Date Sampled: 10/03/11 09:42
Percent Solids: 93

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-19
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.6** (2.2)	6010B	7	1	JP	10/05/11 16:49	2.39	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-119 0ft-2ft
Date Sampled: 10/03/11 09:42
Percent Solids: 93
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-19
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.365)	123	1	10/05/11 19:21	CUJ0026	CJ10417
Acenaphthene	ND (0.365)	43	1	10/05/11 19:21	CUJ0026	CJ10417
Acenaphthylene	ND (0.365)	23	1	10/05/11 19:21	CUJ0026	CJ10417
Anthracene	ND (0.365)	35	1	10/05/11 19:21	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.365)	0.9	1	10/05/11 19:21	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.183)	0.4	1	10/05/11 19:21	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.365)	0.9	1	10/05/11 19:21	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.365)	0.8	1	10/05/11 19:21	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.365)	0.9	1	10/05/11 19:21	CUJ0026	CJ10417
Chrysene	ND (0.183)	0.4	1	10/05/11 19:21	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.183)	0.4	1	10/05/11 19:21	CUJ0026	CJ10417
Fluoranthene	ND (0.365)	20	1	10/05/11 19:21	CUJ0026	CJ10417
Fluorene	ND (0.365)	28	1	10/05/11 19:21	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.365)	0.9	1	10/05/11 19:21	CUJ0026	CJ10417
Naphthalene	ND (0.365)	54	1	10/05/11 19:21	CUJ0026	CJ10417
Phenanthrene	ND (0.365)	40	1	10/05/11 19:21	CUJ0026	CJ10417
Pyrene	ND (0.365)	13	1	10/05/11 19:21	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: p-Terphenyl-d14	*87 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-120 0ft-2ft
Date Sampled: 10/03/11 09:48
Percent Solids: 96

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-20
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.3** (2.5)	6010B	7	1	JP	10/05/11 16:53	2.07	100	CJ10504

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-120 0ft-2ft
Date Sampled: 10/03/11 09:48
Percent Solids: 96
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110010
ESS Laboratory Sample ID: 1110010-20
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.359)	123	1	10/05/11 19:51	CUJ0026	CJ10417
Acenaphthene	ND (0.359)	43	1	10/05/11 19:51	CUJ0026	CJ10417
Acenaphthylene	ND (0.359)	23	1	10/05/11 19:51	CUJ0026	CJ10417
Anthracene	ND (0.359)	35	1	10/05/11 19:51	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.359)	0.9	1	10/05/11 19:51	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.180)	0.4	1	10/05/11 19:51	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.359)	0.9	1	10/05/11 19:51	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.359)	0.8	1	10/05/11 19:51	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.359)	0.9	1	10/05/11 19:51	CUJ0026	CJ10417
Chrysene	**0.259** (0.180)	0.4	1	10/05/11 19:51	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.180)	0.4	1	10/05/11 19:51	CUJ0026	CJ10417
Fluoranthene	ND (0.359)	20	1	10/05/11 19:51	CUJ0026	CJ10417
Fluorene	ND (0.359)	28	1	10/05/11 19:51	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.359)	0.9	1	10/05/11 19:51	CUJ0026	CJ10417
Naphthalene	ND (0.359)	54	1	10/05/11 19:51	CUJ0026	CJ10417
Phenanthrene	ND (0.359)	40	1	10/05/11 19:51	CUJ0026	CJ10417
Pyrene	ND (0.359)	13	1	10/05/11 19:51	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*91 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110010

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch CJ10504 - 3050B										
Blank										
Arsenic	ND	2.5	mg/kg wet							
LCS										
Arsenic	90.3	9.4	mg/kg wet	109.0		83	80-120			
LCS Dup										
Arsenic	90.5	8.9	mg/kg wet	109.0		83	80-120	0.3	20	
Duplicate **Source: 1110010-10**										
Arsenic	3.46	2.5	mg/kg dry		2.89			18	35	
Duplicate **Source: 1110010-20**										
Arsenic	8.90	2.4	mg/kg dry		6.35			33	35	
Matrix Spike **Source: 1110010-10**										
Arsenic	19.3	2.3	mg/kg dry	22.78	2.89	72	75-125			M-
Matrix Spike **Source: 1110010-20**										
Arsenic	27.1	2.6	mg/kg dry	25.66	6.35	81	75-125			
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10324 - 3546										
Blank										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.96*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.90*		mg/kg wet	*3.333*		*87*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.13*		mg/kg wet	*3.333*		*94*	*30-130*			
LCS										
2-Methylnaphthalene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Acenaphthene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Acenaphthylene	2.95	0.333	mg/kg wet	3.333		88	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110010

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10324 - 3546										
Anthracene	3.04	0.333	mg/kg wet	3.333		91	40-140			
Benzo(a)anthracene	3.08	0.333	mg/kg wet	3.333		93	40-140			
Benzo(a)pyrene	3.05	0.167	mg/kg wet	3.333		92	40-140			
Benzo(b)fluoranthene	3.24	0.333	mg/kg wet	3.333		97	40-140			
Benzo(g,h,i)perylene	3.04	0.333	mg/kg wet	3.333		91	40-140			
Benzo(k)fluoranthene	2.94	0.333	mg/kg wet	3.333		88	40-140			
Chrysene	3.00	0.167	mg/kg wet	3.333		90	40-140			
Dibenzo(a,h)Anthracene	3.14	0.167	mg/kg wet	3.333		94	40-140			
Fluoranthene	2.99	0.333	mg/kg wet	3.333		90	40-140			
Fluorene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Indeno(1,2,3-cd)Pyrene	3.11	0.333	mg/kg wet	3.333		93	40-140			
Naphthalene	2.66	0.333	mg/kg wet	3.333		80	40-140			
Phenanthrene	3.01	0.333	mg/kg wet	3.333		90	40-140			
Pyrene	3.15	0.333	mg/kg wet	3.333		95	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.83*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.01*		mg/kg wet	*3.333*		*90*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.97*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.36*		mg/kg wet	*3.333*		*101*	*30-130*			
LCS Dup										
2-Methylnaphthalene	2.47	0.333	mg/kg wet	3.333		74	40-140	11	30	
Acenaphthene	2.48	0.333	mg/kg wet	3.333		74	40-140	8	30	
Acenaphthylene	2.74	0.333	mg/kg wet	3.333		82	40-140	7	30	
Anthracene	2.94	0.333	mg/kg wet	3.333		88	40-140	3	30	
Benzo(a)anthracene	3.01	0.333	mg/kg wet	3.333		90	40-140	3	30	
Benzo(a)pyrene	2.96	0.167	mg/kg wet	3.333		89	40-140	3	30	
Benzo(b)fluoranthene	3.16	0.333	mg/kg wet	3.333		95	40-140	2	30	
Benzo(g,h,i)perylene	3.08	0.333	mg/kg wet	3.333		93	40-140	1	30	
Benzo(k)fluoranthene	3.04	0.333	mg/kg wet	3.333		91	40-140	4	30	
Chrysene	2.94	0.167	mg/kg wet	3.333		88	40-140	2	30	
Dibenzo(a,h)Anthracene	3.14	0.167	mg/kg wet	3.333		94	40-140	0.02	30	
Fluoranthene	2.90	0.333	mg/kg wet	3.333		87	40-140	3	30	
Fluorene	2.49	0.333	mg/kg wet	3.333		75	40-140	11	30	
Indeno(1,2,3-cd)Pyrene	3.12	0.333	mg/kg wet	3.333		93	40-140	0.1	30	
Naphthalene	2.41	0.333	mg/kg wet	3.333		72	40-140	10	30	
Phenanthrene	2.88	0.333	mg/kg wet	3.333		86	40-140	5	30	
Pyrene	3.05	0.333	mg/kg wet	3.333		92	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.53*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.77*		mg/kg wet	*3.333*		*83*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.72*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.26*		mg/kg wet	*3.333*		*98*	*30-130*			
Batch CJ10417 - 3546										
Blank										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110010

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10417 - 3546										
Anthracene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.72*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.73*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.21*		mg/kg wet	*3.333*		*96*	*30-130*			
LCS										
2-Methylnaphthalene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Acenaphthene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Acenaphthylene	2.76	0.333	mg/kg wet	3.333		83	40-140			
Anthracene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.68	0.167	mg/kg wet	3.333		80	40-140			
Benzo(b)fluoranthene	2.95	0.333	mg/kg wet	3.333		88	40-140			
Benzo(g,h,i)perylene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.56	0.333	mg/kg wet	3.333		77	40-140			
Chrysene	2.59	0.167	mg/kg wet	3.333		78	40-140			
Dibenzo(a,h)Anthracene	2.76	0.167	mg/kg wet	3.333		83	40-140			
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Indeno(1,2,3-cd)Pyrene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Naphthalene	2.55	0.333	mg/kg wet	3.333		77	40-140			
Phenanthrene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Pyrene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.55*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.86*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.55*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.91*		mg/kg wet	*3.333*		*87*	*30-130*			
LCS Dup										
2-Methylnaphthalene	2.63	0.333	mg/kg wet	3.333		79	40-140	2	30	
Acenaphthene	2.54	0.333	mg/kg wet	3.333		76	40-140	2	30	
Acenaphthylene	2.77	0.333	mg/kg wet	3.333		83	40-140	0.4	30	
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140	1	30	

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110010

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10417 - 3546										
Benzo(a)anthracene	2.82	0.333	mg/kg wet	3.333		85	40-140	3	30	
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		83	40-140	4	30	
Benzo(b)fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	6	30	
Benzo(g,h,i)perylene	2.80	0.333	mg/kg wet	3.333		84	40-140	3	30	
Benzo(k)fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140	11	30	
Chrysene	2.70	0.167	mg/kg wet	3.333		81	40-140	4	30	
Dibenzo(a,h)Anthracene	2.90	0.167	mg/kg wet	3.333		87	40-140	5	30	
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	0.01	30	
Fluorene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Indeno(1,2,3-cd)Pyrene	2.84	0.333	mg/kg wet	3.333		85	40-140	3	30	
Naphthalene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.8	30	
Phenanthrene	2.74	0.333	mg/kg wet	3.333		82	40-140	2	30	
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.59*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.84*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.90*		mg/kg wet	*3.333*		*87*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.00*		mg/kg wet	*3.333*		*90*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail ESS Laboratory Work Order: 1110010

Notes and Definitions

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

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110010

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
http://www.a2la.org/scopepdf/2864-01.pdf

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

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

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

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

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

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

United States Department of Agriculture Soil Permit: S-54210

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

CHEMISTRY

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

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

Sample and Cooler Receipt Checklist

Client: Vanasse Hangen Brustlin, Inc.
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 11100010
Date Project Due: 10/10/11
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **4.5**		16. Are ESS labels on correct containers?	**Yes** | **No**
Iced With: **Ice**		17. Were samples received intact?	**Yes** | **No**
6. Was COC included with samples?	Yes	ESS Sample IDs: _____	
7. Was COC signed and dated by client?	Yes	Sub Lab: _____	
8. Does the COC match the sample	Yes	Analysis: _____	
9. Is COC complete and correct?	Yes	TAT: _____	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?:_____ By whom? _____

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

Completed By: MK Date/Time: 10/3/11
Reviewed By: _____ Date/Time: 10/3/11

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of 2 ~~6~~

Turn Time: ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following: MA-MCP Navy USACE Other NA

Reporting Limits: RIDEM RDEC

ESS LAB PROJECT ID: 110010 10/3/11

Electronic Deliverable: Yes ✓ No ____

Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
~~3~~ VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St, Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
272-8100		JKlement@UHB.com CMasse@UHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	Total Arsenic
01	10-3-11	08:15	X		S	SB-101 0'-2'	1	2	G	X	X
02		08:25				SB-102 0'-2'					
03		08:31				SB-103 0'-2'					
04		08:38				SB-104 0'-2'					
05		08:39				SB-105 0'-2'					
06		08:48				SB-106 0'-2'					
07		08:47				SB-107 0'-2'					
08		08:55				SB-108 0'-2'					
09		08:58				SB-109 0'-2'					
10		09:04				SB-110 0'-2'					

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: X Yes ___ No

Seals Intact: ___ Yes ___ No NA: X

Cooler Temp: 4.5 ice

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK / CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-3-11 16:28	[signature]	10/3/11 1628				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS Laboratory

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CHAIN OF CUSTODY

Page 2 of 26 MK 10/3/11

Turn Time: ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following: MA-MCP Navy USACE Other NA

Reporting Limits: RIDEM RDEC

ESS LAB PROJECT ID: 1110010

Electronic Deliverable: Yes ✓ No ____

Format: Excel ___ Access ___ PDF ___ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@VHB.com CMassa@VHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	Total Arsenic
11	10-3-11	09:05	X		S	SB-111 0-2'	1	1	G	X	X
12		09:13				SB-112 0-2'					
13		09:13				SB-113 0-2'					
14		09:19				SB-114 0-2'					
15		09:23				SB-115 0-2'					
16		09:28				SB-116 0-2'					
17		09:32				SB-117 0-2'					
18		09:36				SB-118 0-2'					
19		09:42				SB-119 0-2'					
20		09:48				SB-#120 0-2'					

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: ✓ Yes ___ No

Seals Intact: ___ Yes ___ No NA: X

Cooler Temp: 4.5 iCe

Internal Use Only: [ ] Pickup [ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK/CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	10-3-11 16:28	Manal Keeler	10/3/11 1628				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Josh Klement
Vanasse Hangen Brustlin, Inc.
10 Dorrance Street, Suite 400
Providence, RI 02903

RE: Trestle Trail (72016.1)
ESS Laboratory Work Order Number: 1110012

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

Laurel Stoddard
Laboratory Director

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

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

SAMPLE RECEIPT

The following samples were received on October 03, 2011 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1110012-01	SB-121 0ft-2ft	Soil	6010B, 8270C
1110012-02	SB-122 0ft-2ft	Soil	6010B, 8270C
1110012-03	SB-123 0ft-2ft	Soil	6010B, 8270C
1110012-04	SB-124 0ft-2ft	Soil	6010B, 8270C
1110012-05	SB-125 0ft-2ft	Soil	6010B, 8270C
1110012-06	SB-126 0ft-2ft	Soil	6010B, 8270C
1110012-07	SB-127 0ft-2ft	Soil	6010B, 8270C
1110012-08	SB-128 0ft-2ft	Soil	6010B, 8270C
1110012-09	SB-129 0ft-2ft	Soil	6010B, 8270C
1110012-10	SB-130 0ft-2ft	Soil	6010B, 8270C
1110012-11	SB-131 0ft-2ft	Soil	6010B, 8270C
1110012-12	SB-132 0ft-2ft	Soil	6010B, 8270C
1110012-13	SB-133 0ft-2ft	Soil	6010B, 8270C
1110012-14	SB-134 0ft-2ft	Soil	6010B, 8270C
1110012-15	SB-135 0ft-2ft	Soil	6010B, 8270C
1110012-16	SB-136 0ft-2ft	Soil	6010B, 8270C
1110012-17	SB-137 0ft-2ft	Soil	6010B, 8270C
1110012-18	SB-138 0ft-2ft	Soil	6010B, 8270C
1110012-19	SB-139 0ft-2ft	Soil	6010B, 8270C

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-121 0ft-2ft
Date Sampled: 10/03/11 09:52
Percent Solids: 95

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**16.8** (2.0)	6010B	7	1	SVD	10/05/11 0:23	2.64	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-121 0ft-2ft
Date Sampled: 10/03/11 09:52
Percent Solids: 95
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.360)	123	1	10/05/11 20:21	CUJ0026	CJ10417
Acenaphthene	ND (0.360)	43	1	10/05/11 20:21	CUJ0026	CJ10417
Acenaphthylene	ND (0.360)	23	1	10/05/11 20:21	CUJ0026	CJ10417
Anthracene	ND (0.360)	35	1	10/05/11 20:21	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.360)	0.9	1	10/05/11 20:21	CUJ0026	CJ10417
Benzo(a)pyrene	**0.342** (0.181)	0.4	1	10/05/11 20:21	CUJ0026	CJ10417
Benzo(b)fluoranthene	**0.851** (0.360)	0.9	1	10/05/11 20:21	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.360)	0.8	1	10/05/11 20:21	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.360)	0.9	1	10/05/11 20:21	CUJ0026	CJ10417
Chrysene	**0.645** (0.181)	0.4	1	10/05/11 20:21	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.181)	0.4	1	10/05/11 20:21	CUJ0026	CJ10417
Fluoranthene	**0.726** (0.360)	20	1	10/05/11 20:21	CUJ0026	CJ10417
Fluorene	ND (0.360)	28	1	10/05/11 20:21	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.360)	0.9	1	10/05/11 20:21	CUJ0026	CJ10417
Naphthalene	ND (0.360)	54	1	10/05/11 20:21	CUJ0026	CJ10417
Phenanthrene	ND (0.360)	40	1	10/05/11 20:21	CUJ0026	CJ10417
Pyrene	**0.636** (0.360)	13	1	10/05/11 20:21	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*90 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*97 %*		*30-130*
Surrogate: Nitrobenzene-d5	*85 %*		*30-130*
Surrogate: p-Terphenyl-d14	*96 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-122 0ft-2ft
Date Sampled: 10/03/11 09:55
Percent Solids: 96

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.2** (1.7)	6010B	7	1	SVD	10/05/11 0:27	3.01	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-122 0ft-2ft
Date Sampled: 10/03/11 09:55
Percent Solids: 96
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.361)	123	1	10/05/11 20:51	CUJ0026	CJ10417
Acenaphthene	ND (0.361)	43	1	10/05/11 20:51	CUJ0026	CJ10417
Acenaphthylene	ND (0.361)	23	1	10/05/11 20:51	CUJ0026	CJ10417
Anthracene	ND (0.361)	35	1	10/05/11 20:51	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.361)	0.9	1	10/05/11 20:51	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.181)	0.4	1	10/05/11 20:51	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.361)	0.9	1	10/05/11 20:51	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.361)	0.8	1	10/05/11 20:51	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.361)	0.9	1	10/05/11 20:51	CUJ0026	CJ10417
Chrysene	ND (0.181)	0.4	1	10/05/11 20:51	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.181)	0.4	1	10/05/11 20:51	CUJ0026	CJ10417
Fluoranthene	ND (0.361)	20	1	10/05/11 20:51	CUJ0026	CJ10417
Fluorene	ND (0.361)	28	1	10/05/11 20:51	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.361)	0.9	1	10/05/11 20:51	CUJ0026	CJ10417
Naphthalene	ND (0.361)	54	1	10/05/11 20:51	CUJ0026	CJ10417
Phenanthrene	ND (0.361)	40	1	10/05/11 20:51	CUJ0026	CJ10417
Pyrene	ND (0.361)	13	1	10/05/11 20:51	CUJ0026	CJ10417

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*59 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*68 %*		*30-130*
Surrogate: Nitrobenzene-d5	*56 %*		*30-130*
Surrogate: p-Terphenyl-d14	*95 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-123 0ft-2ft
Date Sampled: 10/03/11 09:59
Percent Solids: 96

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**19.4** (1.9)	6010B	7	1	SVD	10/05/11 0:40	2.79	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-123 0ft-2ft
Date Sampled: 10/03/11 09:59
Percent Solids: 96
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.349)	123	1	10/05/11 21:22	CUJ0026	CJ10417
Acenaphthene	ND (0.349)	43	1	10/05/11 21:22	CUJ0026	CJ10417
Acenaphthylene	ND (0.349)	23	1	10/05/11 21:22	CUJ0026	CJ10417
Anthracene	ND (0.349)	35	1	10/05/11 21:22	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.349)	0.9	1	10/05/11 21:22	CUJ0026	CJ10417
Benzo(a)pyrene	**0.175** (0.175)	0.4	1	10/05/11 21:22	CUJ0026	CJ10417
Benzo(b)fluoranthene	**0.491** (0.349)	0.9	1	10/05/11 21:22	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.349)	0.8	1	10/05/11 21:22	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.349)	0.9	1	10/05/11 21:22	CUJ0026	CJ10417
Chrysene	**0.363** (0.175)	0.4	1	10/05/11 21:22	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.175)	0.4	1	10/05/11 21:22	CUJ0026	CJ10417
Fluoranthene	**0.355** (0.349)	20	1	10/05/11 21:22	CUJ0026	CJ10417
Fluorene	ND (0.349)	28	1	10/05/11 21:22	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.349)	0.9	1	10/05/11 21:22	CUJ0026	CJ10417
Naphthalene	ND (0.349)	54	1	10/05/11 21:22	CUJ0026	CJ10417
Phenanthrene	ND (0.349)	40	1	10/05/11 21:22	CUJ0026	CJ10417
Pyrene	ND (0.349)	13	1	10/05/11 21:22	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*82 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-124 0ft-2ft
Date Sampled: 10/03/11 10:00
Percent Solids: 93

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**20.4** (2.1)	6010B	7	1	SVD	10/05/11 0:44	2.5	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-124 0ft-2ft
Date Sampled: 10/03/11 10:00
Percent Solids: 93
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.370)	123	1	10/05/11 21:52	CUJ0026	CJ10417
Acenaphthene	ND (0.370)	43	1	10/05/11 21:52	CUJ0026	CJ10417
Acenaphthylene	ND (0.370)	23	1	10/05/11 21:52	CUJ0026	CJ10417
Anthracene	ND (0.370)	35	1	10/05/11 21:52	CUJ0026	CJ10417
Benzo(a)anthracene	**0.716** (0.370)	0.9	1	10/05/11 21:52	CUJ0026	CJ10417
Benzo(a)pyrene	**0.753** (0.186)	0.4	1	10/05/11 21:52	CUJ0026	CJ10417
Benzo(b)fluoranthene	**1.46** (0.370)	0.9	1	10/05/11 21:52	CUJ0026	CJ10417
Benzo(g,h,i)perylene	**0.571** (0.370)	0.8	1	10/05/11 21:52	CUJ0026	CJ10417
Benzo(k)fluoranthene	**0.544** (0.370)	0.9	1	10/05/11 21:52	CUJ0026	CJ10417
Chrysene	**1.19** (0.186)	0.4	1	10/05/11 21:52	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.186)	0.4	1	10/05/11 21:52	CUJ0026	CJ10417
Fluoranthene	**1.70** (0.370)	20	1	10/05/11 21:52	CUJ0026	CJ10417
Fluorene	ND (0.370)	28	1	10/05/11 21:52	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	**0.563** (0.370)	0.9	1	10/05/11 21:52	CUJ0026	CJ10417
Naphthalene	ND (0.370)	54	1	10/05/11 21:52	CUJ0026	CJ10417
Phenanthrene	**0.581** (0.370)	40	1	10/05/11 21:52	CUJ0026	CJ10417
Pyrene	**1.44** (0.370)	13	1	10/05/11 21:52	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*82 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*91 %*		*30-130*
Surrogate: Nitrobenzene-d5	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-125 0ft-2ft
Date Sampled: 10/03/11 10:06
Percent Solids: 93

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**39.1** (2.4)	6010B	7	1	SVD	10/05/11 0:48	2.25	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-125 0ft-2ft
Date Sampled: 10/03/11 10:06
Percent Solids: 93
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.363)	123	1	10/05/11 22:22	CUJ0026	CJ10417
Acenaphthene	ND (0.363)	43	1	10/05/11 22:22	CUJ0026	CJ10417
Acenaphthylene	ND (0.363)	23	1	10/05/11 22:22	CUJ0026	CJ10417
Anthracene	ND (0.363)	35	1	10/05/11 22:22	CUJ0026	CJ10417
Benzo(a)anthracene	**1.17** (0.363)	0.9	1	10/05/11 22:22	CUJ0026	CJ10417
Benzo(a)pyrene	**1.15** (0.182)	0.4	1	10/05/11 22:22	CUJ0026	CJ10417
Benzo(b)fluoranthene	**2.45** (0.363)	0.9	1	10/05/11 22:22	CUJ0026	CJ10417
Benzo(g,h,i)perylene	**0.797** (0.363)	0.8	1	10/05/11 22:22	CUJ0026	CJ10417
Benzo(k)fluoranthene	**0.855** (0.363)	0.9	1	10/05/11 22:22	CUJ0026	CJ10417
Chrysene	**1.88** (0.182)	0.4	1	10/05/11 22:22	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.182)	0.4	1	10/05/11 22:22	CUJ0026	CJ10417
Fluoranthene	**2.69** (0.363)	20	1	10/05/11 22:22	CUJ0026	CJ10417
Fluorene	ND (0.363)	28	1	10/05/11 22:22	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	**0.843** (0.363)	0.9	1	10/05/11 22:22	CUJ0026	CJ10417
Naphthalene	ND (0.363)	54	1	10/05/11 22:22	CUJ0026	CJ10417
Phenanthrene	**0.798** (0.363)	40	1	10/05/11 22:22	CUJ0026	CJ10417
Pyrene	**2.21** (0.363)	13	1	10/05/11 22:22	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*91 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-126 0ft-2ft
Date Sampled: 10/03/11 10:08
Percent Solids: 90

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.3** (2.5)	6010B	7	1	SVD	10/05/11 0:52	2.2	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-126 0ft-2ft
Date Sampled: 10/03/11 10:08
Percent Solids: 90
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.385)	123	1	10/05/11 22:52	CUJ0026	CJ10417
Acenaphthene	ND (0.385)	43	1	10/05/11 22:52	CUJ0026	CJ10417
Acenaphthylene	ND (0.385)	23	1	10/05/11 22:52	CUJ0026	CJ10417
Anthracene	ND (0.385)	35	1	10/05/11 22:52	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.385)	0.9	1	10/05/11 22:52	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.193)	0.4	1	10/05/11 22:52	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.385)	0.9	1	10/05/11 22:52	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.385)	0.8	1	10/05/11 22:52	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.385)	0.9	1	10/05/11 22:52	CUJ0026	CJ10417
Chrysene	ND (0.193)	0.4	1	10/05/11 22:52	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.193)	0.4	1	10/05/11 22:52	CUJ0026	CJ10417
Fluoranthene	ND (0.385)	20	1	10/05/11 22:52	CUJ0026	CJ10417
Fluorene	ND (0.385)	28	1	10/05/11 22:52	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.385)	0.9	1	10/05/11 22:52	CUJ0026	CJ10417
Naphthalene	ND (0.385)	54	1	10/05/11 22:52	CUJ0026	CJ10417
Phenanthrene	ND (0.385)	40	1	10/05/11 22:52	CUJ0026	CJ10417
Pyrene	ND (0.385)	13	1	10/05/11 22:52	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*72 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*81 %*		*30-130*
Surrogate: Nitrobenzene-d5	*69 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-127 0ft-2ft
Date Sampled: 10/03/11 10:14
Percent Solids: 94

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**13.8** (2.0)	6010B	7	1	SVD	10/05/11 0:56	2.64	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-127 0ft-2ft
Date Sampled: 10/03/11 10:14
Percent Solids: 94
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.361)	123	1	10/05/11 23:22	CUJ0026	CJ10417
Acenaphthene	ND (0.361)	43	1	10/05/11 23:22	CUJ0026	CJ10417
Acenaphthylene	ND (0.361)	23	1	10/05/11 23:22	CUJ0026	CJ10417
Anthracene	ND (0.361)	35	1	10/05/11 23:22	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.361)	0.9	1	10/05/11 23:22	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.181)	0.4	1	10/05/11 23:22	CUJ0026	CJ10417
Benzo(b)fluoranthene	**0.379** (0.361)	0.9	1	10/05/11 23:22	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.361)	0.8	1	10/05/11 23:22	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.361)	0.9	1	10/05/11 23:22	CUJ0026	CJ10417
Chrysene	**0.314** (0.181)	0.4	1	10/05/11 23:22	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.181)	0.4	1	10/05/11 23:22	CUJ0026	CJ10417
Fluoranthene	ND (0.361)	20	1	10/05/11 23:22	CUJ0026	CJ10417
Fluorene	ND (0.361)	28	1	10/05/11 23:22	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.361)	0.9	1	10/05/11 23:22	CUJ0026	CJ10417
Naphthalene	ND (0.361)	54	1	10/05/11 23:22	CUJ0026	CJ10417
Phenanthrene	ND (0.361)	40	1	10/05/11 23:22	CUJ0026	CJ10417
Pyrene	ND (0.361)	13	1	10/05/11 23:22	CUJ0026	CJ10417

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*78 %*		*30-130*
Surrogate: Nitrobenzene-d5	*66 %*		*30-130*
Surrogate: p-Terphenyl-d14	*88 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-128 0ft-2ft
Date Sampled: 10/03/11 10:16
Percent Solids: 95

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**13.2** (2.3)	6010B	7	1	SVD	10/05/11 0:59	2.32	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-128 0ft-2ft
Date Sampled: 10/03/11 10:16
Percent Solids: 95
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.351)	123	1	10/05/11 23:52	CUJ0026	CJ10417
Acenaphthene	ND (0.351)	43	1	10/05/11 23:52	CUJ0026	CJ10417
Acenaphthylene	ND (0.351)	23	1	10/05/11 23:52	CUJ0026	CJ10417
Anthracene	ND (0.351)	35	1	10/05/11 23:52	CUJ0026	CJ10417
Benzo(a)anthracene	**0.421** (0.351)	0.9	1	10/05/11 23:52	CUJ0026	CJ10417
Benzo(a)pyrene	**0.478** (0.176)	0.4	1	10/05/11 23:52	CUJ0026	CJ10417
Benzo(b)fluoranthene	**1.17** (0.351)	0.9	1	10/05/11 23:52	CUJ0026	CJ10417
Benzo(g,h,i)perylene	**0.407** (0.351)	0.8	1	10/05/11 23:52	CUJ0026	CJ10417
Benzo(k)fluoranthene	**0.386** (0.351)	0.9	1	10/05/11 23:52	CUJ0026	CJ10417
Chrysene	**0.785** (0.176)	0.4	1	10/05/11 23:52	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/05/11 23:52	CUJ0026	CJ10417
Fluoranthene	**0.956** (0.351)	20	1	10/05/11 23:52	CUJ0026	CJ10417
Fluorene	ND (0.351)	28	1	10/05/11 23:52	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	**0.415** (0.351)	0.9	1	10/05/11 23:52	CUJ0026	CJ10417
Naphthalene	ND (0.351)	54	1	10/05/11 23:52	CUJ0026	CJ10417
Phenanthrene	ND (0.351)	40	1	10/05/11 23:52	CUJ0026	CJ10417
Pyrene	**0.796** (0.351)	13	1	10/05/11 23:52	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*78 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*89 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*84 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-129 0ft-2ft
Date Sampled: 10/03/11 10:20
Percent Solids: 95

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-09
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.1** (2.2)	6010B	7	1	SVD	10/05/11 1:03	2.43	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-129 0ft-2ft
Date Sampled: 10/03/11 10:20
Percent Solids: 95
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-09
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.348)	123	1	10/06/11 0:22	CUJ0026	CJ10417
Acenaphthene	ND (0.348)	43	1	10/06/11 0:22	CUJ0026	CJ10417
Acenaphthylene	ND (0.348)	23	1	10/06/11 0:22	CUJ0026	CJ10417
Anthracene	ND (0.348)	35	1	10/06/11 0:22	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.348)	0.9	1	10/06/11 0:22	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.175)	0.4	1	10/06/11 0:22	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.348)	0.9	1	10/06/11 0:22	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.348)	0.8	1	10/06/11 0:22	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.348)	0.9	1	10/06/11 0:22	CUJ0026	CJ10417
Chrysene	**0.216** (0.175)	0.4	1	10/06/11 0:22	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.175)	0.4	1	10/06/11 0:22	CUJ0026	CJ10417
Fluoranthene	ND (0.348)	20	1	10/06/11 0:22	CUJ0026	CJ10417
Fluorene	ND (0.348)	28	1	10/06/11 0:22	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.348)	0.9	1	10/06/11 0:22	CUJ0026	CJ10417
Naphthalene	ND (0.348)	54	1	10/06/11 0:22	CUJ0026	CJ10417
Phenanthrene	ND (0.348)	40	1	10/06/11 0:22	CUJ0026	CJ10417
Pyrene	ND (0.348)	13	1	10/06/11 0:22	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*72 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*82 %*		*30-130*
Surrogate: Nitrobenzene-d5	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*89 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-130 0ft-2ft
Date Sampled: 10/03/11 10:24
Percent Solids: 96

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-10
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.0)	6010B	7	1	SVD	10/05/11 1:32	2.59	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-130 0ft-2ft
Date Sampled: 10/03/11 10:24
Percent Solids: 96
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.352)	123	1	10/06/11 0:52	CUJ0026	CJ10417
Acenaphthene	ND (0.352)	43	1	10/06/11 0:52	CUJ0026	CJ10417
Acenaphthylene	ND (0.352)	23	1	10/06/11 0:52	CUJ0026	CJ10417
Anthracene	ND (0.352)	35	1	10/06/11 0:52	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.352)	0.9	1	10/06/11 0:52	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.176)	0.4	1	10/06/11 0:52	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.352)	0.9	1	10/06/11 0:52	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.352)	0.8	1	10/06/11 0:52	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.352)	0.9	1	10/06/11 0:52	CUJ0026	CJ10417
Chrysene	ND (0.176)	0.4	1	10/06/11 0:52	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/06/11 0:52	CUJ0026	CJ10417
Fluoranthene	ND (0.352)	20	1	10/06/11 0:52	CUJ0026	CJ10417
Fluorene	ND (0.352)	28	1	10/06/11 0:52	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.352)	0.9	1	10/06/11 0:52	CUJ0026	CJ10417
Naphthalene	ND (0.352)	54	1	10/06/11 0:52	CUJ0026	CJ10417
Phenanthrene	ND (0.352)	40	1	10/06/11 0:52	CUJ0026	CJ10417
Pyrene	ND (0.352)	13	1	10/06/11 0:52	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*78 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*81 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-131 0ft-2ft
Date Sampled: 10/03/11 10:29
Percent Solids: 93

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-11
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.5** (2.6)	6010B	7	1	SVD	10/05/11 1:36	2.05	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-131 0ft-2ft
Date Sampled: 10/03/11 10:29
Percent Solids: 93
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.358)	123	1	10/06/11 1:23	CUJ0026	CJ10417
Acenaphthene	ND (0.358)	43	1	10/06/11 1:23	CUJ0026	CJ10417
Acenaphthylene	ND (0.358)	23	1	10/06/11 1:23	CUJ0026	CJ10417
Anthracene	ND (0.358)	35	1	10/06/11 1:23	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.358)	0.9	1	10/06/11 1:23	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.180)	0.4	1	10/06/11 1:23	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.358)	0.9	1	10/06/11 1:23	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.358)	0.8	1	10/06/11 1:23	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.358)	0.9	1	10/06/11 1:23	CUJ0026	CJ10417
Chrysene	ND (0.180)	0.4	1	10/06/11 1:23	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.180)	0.4	1	10/06/11 1:23	CUJ0026	CJ10417
Fluoranthene	ND (0.358)	20	1	10/06/11 1:23	CUJ0026	CJ10417
Fluorene	ND (0.358)	28	1	10/06/11 1:23	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.358)	0.9	1	10/06/11 1:23	CUJ0026	CJ10417
Naphthalene	ND (0.358)	54	1	10/06/11 1:23	CUJ0026	CJ10417
Phenanthrene	ND (0.358)	40	1	10/06/11 1:23	CUJ0026	CJ10417
Pyrene	ND (0.358)	13	1	10/06/11 1:23	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*82 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: p-Terphenyl-d14	*96 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-132 0ft-2ft
Date Sampled: 10/03/11 10:32
Percent Solids: 96

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-12
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.5** (2.3)	6010B	7	1	SVD	10/05/11 1:40	2.27	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-132 0ft-2ft
Date Sampled: 10/03/11 10:32
Percent Solids: 96
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.345)	123	1	10/06/11 1:53	CUJ0026	CJ10417
Acenaphthene	ND (0.345)	43	1	10/06/11 1:53	CUJ0026	CJ10417
Acenaphthylene	ND (0.345)	23	1	10/06/11 1:53	CUJ0026	CJ10417
Anthracene	ND (0.345)	35	1	10/06/11 1:53	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.345)	0.9	1	10/06/11 1:53	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.173)	0.4	1	10/06/11 1:53	CUJ0026	CJ10417
Benzo(b)fluoranthene	**0.346** (0.345)	0.9	1	10/06/11 1:53	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.345)	0.8	1	10/06/11 1:53	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.345)	0.9	1	10/06/11 1:53	CUJ0026	CJ10417
Chrysene	**0.313** (0.173)	0.4	1	10/06/11 1:53	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.173)	0.4	1	10/06/11 1:53	CUJ0026	CJ10417
Fluoranthene	**0.449** (0.345)	20	1	10/06/11 1:53	CUJ0026	CJ10417
Fluorene	ND (0.345)	28	1	10/06/11 1:53	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.345)	0.9	1	10/06/11 1:53	CUJ0026	CJ10417
Naphthalene	ND (0.345)	54	1	10/06/11 1:53	CUJ0026	CJ10417
Phenanthrene	ND (0.345)	40	1	10/06/11 1:53	CUJ0026	CJ10417
Pyrene	**0.395** (0.345)	13	1	10/06/11 1:53	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*78 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*88 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*94 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-133 0ft-2ft
Date Sampled: 10/03/11 10:36
Percent Solids: 92

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-13
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.2** (2.1)	6010B	7	1	SVD	10/05/11 1:44	2.59	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-133 0ft-2ft
Date Sampled: 10/03/11 10:36
Percent Solids: 92
Initial Volume: 15.2
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-13
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.357)	123	1	10/06/11 2:23	CUJ0026	CJ10417
Acenaphthene	ND (0.357)	43	1	10/06/11 2:23	CUJ0026	CJ10417
Acenaphthylene	ND (0.357)	23	1	10/06/11 2:23	CUJ0026	CJ10417
Anthracene	ND (0.357)	35	1	10/06/11 2:23	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.357)	0.9	1	10/06/11 2:23	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.179)	0.4	1	10/06/11 2:23	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.357)	0.9	1	10/06/11 2:23	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.357)	0.8	1	10/06/11 2:23	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.357)	0.9	1	10/06/11 2:23	CUJ0026	CJ10417
Chrysene	ND (0.179)	0.4	1	10/06/11 2:23	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.179)	0.4	1	10/06/11 2:23	CUJ0026	CJ10417
Fluoranthene	ND (0.357)	20	1	10/06/11 2:23	CUJ0026	CJ10417
Fluorene	ND (0.357)	28	1	10/06/11 2:23	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.357)	0.9	1	10/06/11 2:23	CUJ0026	CJ10417
Naphthalene	ND (0.357)	54	1	10/06/11 2:23	CUJ0026	CJ10417
Phenanthrene	ND (0.357)	40	1	10/06/11 2:23	CUJ0026	CJ10417
Pyrene	ND (0.357)	13	1	10/06/11 2:23	CUJ0026	CJ10417

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: Nitrobenzene-d5	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*91 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-134 0ft-2ft
Date Sampled: 10/03/11 10:38
Percent Solids: 93

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-14
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.3** (2.2)	6010B	7	1	SVD	10/05/11 1:48	2.46	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-134 0ft-2ft
Date Sampled: 10/03/11 10:38
Percent Solids: 93
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-14
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/4/11 15:30

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.351)	123	1	10/06/11 2:53	CUJ0026	CJ10417
Acenaphthene	ND (0.351)	43	1	10/06/11 2:53	CUJ0026	CJ10417
Acenaphthylene	ND (0.351)	23	1	10/06/11 2:53	CUJ0026	CJ10417
Anthracene	ND (0.351)	35	1	10/06/11 2:53	CUJ0026	CJ10417
Benzo(a)anthracene	ND (0.351)	0.9	1	10/06/11 2:53	CUJ0026	CJ10417
Benzo(a)pyrene	ND (0.176)	0.4	1	10/06/11 2:53	CUJ0026	CJ10417
Benzo(b)fluoranthene	ND (0.351)	0.9	1	10/06/11 2:53	CUJ0026	CJ10417
Benzo(g,h,i)perylene	ND (0.351)	0.8	1	10/06/11 2:53	CUJ0026	CJ10417
Benzo(k)fluoranthene	ND (0.351)	0.9	1	10/06/11 2:53	CUJ0026	CJ10417
Chrysene	ND (0.176)	0.4	1	10/06/11 2:53	CUJ0026	CJ10417
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/06/11 2:53	CUJ0026	CJ10417
Fluoranthene	ND (0.351)	20	1	10/06/11 2:53	CUJ0026	CJ10417
Fluorene	ND (0.351)	28	1	10/06/11 2:53	CUJ0026	CJ10417
Indeno(1,2,3-cd)Pyrene	ND (0.351)	0.9	1	10/06/11 2:53	CUJ0026	CJ10417
Naphthalene	ND (0.351)	54	1	10/06/11 2:53	CUJ0026	CJ10417
Phenanthrene	ND (0.351)	40	1	10/06/11 2:53	CUJ0026	CJ10417
Pyrene	ND (0.351)	13	1	10/06/11 2:53	CUJ0026	CJ10417

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*87 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-135 0ft-2ft
Date Sampled: 10/03/11 10:49
Percent Solids: 95

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-15
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.1** (2.5)	6010B	7	1	SVD	10/05/11 1:52	2.14	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-135 0ft-2ft
Date Sampled: 10/03/11 10:49
Percent Solids: 95
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-15
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.353)	123	1	10/06/11 17:22	CUJ0045	CJ10508
Acenaphthene	ND (0.353)	43	1	10/06/11 17:22	CUJ0045	CJ10508
Acenaphthylene	ND (0.353)	23	1	10/06/11 17:22	CUJ0045	CJ10508
Anthracene	ND (0.353)	35	1	10/06/11 17:22	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.353)	0.9	1	10/06/11 17:22	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.177)	0.4	1	10/06/11 17:22	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.353)	0.9	1	10/06/11 17:22	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.353)	0.8	1	10/06/11 17:22	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.353)	0.9	1	10/06/11 17:22	CUJ0045	CJ10508
Chrysene	ND (0.177)	0.4	1	10/06/11 17:22	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.177)	0.4	1	10/06/11 17:22	CUJ0045	CJ10508
Fluoranthene	ND (0.353)	20	1	10/06/11 17:22	CUJ0045	CJ10508
Fluorene	ND (0.353)	28	1	10/06/11 17:22	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.353)	0.9	1	10/06/11 17:22	CUJ0045	CJ10508
Naphthalene	ND (0.353)	54	1	10/06/11 17:22	CUJ0045	CJ10508
Phenanthrene	ND (0.353)	40	1	10/06/11 17:22	CUJ0045	CJ10508
Pyrene	ND (0.353)	13	1	10/06/11 17:22	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*85 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*89 %*		*30-130*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: p-Terphenyl-d14	*102 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-136 0ft-2ft
Date Sampled: 10/03/11 10:46
Percent Solids: 95

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-16
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**7.9** (2.5)	6010B	7	1	SVD	10/05/11 1:56	2.12	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-136 0ft-2ft
Date Sampled: 10/03/11 10:46
Percent Solids: 95
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-16
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.358)	123	1	10/06/11 17:53	CUJ0045	CJ10508
Acenaphthene	ND (0.358)	43	1	10/06/11 17:53	CUJ0045	CJ10508
Acenaphthylene	ND (0.358)	23	1	10/06/11 17:53	CUJ0045	CJ10508
Anthracene	ND (0.358)	35	1	10/06/11 17:53	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.358)	0.9	1	10/06/11 17:53	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.179)	0.4	1	10/06/11 17:53	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.358)	0.9	1	10/06/11 17:53	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.358)	0.8	1	10/06/11 17:53	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.358)	0.9	1	10/06/11 17:53	CUJ0045	CJ10508
Chrysene	**0.256** (0.179)	0.4	1	10/06/11 17:53	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.179)	0.4	1	10/06/11 17:53	CUJ0045	CJ10508
Fluoranthene	ND (0.358)	20	1	10/06/11 17:53	CUJ0045	CJ10508
Fluorene	ND (0.358)	28	1	10/06/11 17:53	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.358)	0.9	1	10/06/11 17:53	CUJ0045	CJ10508
Naphthalene	ND (0.358)	54	1	10/06/11 17:53	CUJ0045	CJ10508
Phenanthrene	ND (0.358)	40	1	10/06/11 17:53	CUJ0045	CJ10508
Pyrene	ND (0.358)	13	1	10/06/11 17:53	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*83 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*87 %*		*30-130*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: p-Terphenyl-d14	*99 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-137 0ft-2ft
Date Sampled: 10/03/11 10:54
Percent Solids: 93

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-17
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.4)	6010B	7	1	SVD	10/05/11 2:00	2.22	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-137 0ft-2ft
Date Sampled: 10/03/11 10:54
Percent Solids: 93
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-17
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.368)	123	1	10/06/11 12:54	CUJ0031	CJ10508
Acenaphthene	ND (0.368)	43	1	10/06/11 12:54	CUJ0031	CJ10508
Acenaphthylene	ND (0.368)	23	1	10/06/11 12:54	CUJ0031	CJ10508
Anthracene	ND (0.368)	35	1	10/06/11 12:54	CUJ0031	CJ10508
Benzo(a)anthracene	ND (0.368)	0.9	1	10/06/11 12:54	CUJ0031	CJ10508
Benzo(a)pyrene	ND (0.184)	0.4	1	10/06/11 12:54	CUJ0031	CJ10508
Benzo(b)fluoranthene	ND (0.368)	0.9	1	10/06/11 12:54	CUJ0031	CJ10508
Benzo(g,h,i)perylene	ND (0.368)	0.8	1	10/06/11 12:54	CUJ0031	CJ10508
Benzo(k)fluoranthene	ND (0.368)	0.9	1	10/06/11 12:54	CUJ0031	CJ10508
Chrysene	ND (0.184)	0.4	1	10/06/11 12:54	CUJ0031	CJ10508
Dibenzo(a,h)Anthracene	ND (0.184)	0.4	1	10/06/11 12:54	CUJ0031	CJ10508
Fluoranthene	ND (0.368)	20	1	10/06/11 12:54	CUJ0031	CJ10508
Fluorene	ND (0.368)	28	1	10/06/11 12:54	CUJ0031	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.368)	0.9	1	10/06/11 12:54	CUJ0031	CJ10508
Naphthalene	ND (0.368)	54	1	10/06/11 12:54	CUJ0031	CJ10508
Phenanthrene	ND (0.368)	40	1	10/06/11 12:54	CUJ0031	CJ10508
Pyrene	ND (0.368)	13	1	10/06/11 12:54	CUJ0031	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*59 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*66 %*		*30-130*
Surrogate: Nitrobenzene-d5	*54 %*		*30-130*
Surrogate: p-Terphenyl-d14	*94 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-138 0ft-2ft
Date Sampled: 10/03/11 10:52
Percent Solids: 96

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-18
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.3)	6010B	7	1	SVD	10/05/11 2:04	2.31	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-138 0ft-2ft
Date Sampled: 10/03/11 10:52
Percent Solids: 96
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-18
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.356)	123	1	10/06/11 13:24	CUJ0031	CJ10508
Acenaphthene	ND (0.356)	43	1	10/06/11 13:24	CUJ0031	CJ10508
Acenaphthylene	ND (0.356)	23	1	10/06/11 13:24	CUJ0031	CJ10508
Anthracene	ND (0.356)	35	1	10/06/11 13:24	CUJ0031	CJ10508
Benzo(a)anthracene	ND (0.356)	0.9	1	10/06/11 13:24	CUJ0031	CJ10508
Benzo(a)pyrene	ND (0.179)	0.4	1	10/06/11 13:24	CUJ0031	CJ10508
Benzo(b)fluoranthene	ND (0.356)	0.9	1	10/06/11 13:24	CUJ0031	CJ10508
Benzo(g,h,i)perylene	ND (0.356)	0.8	1	10/06/11 13:24	CUJ0031	CJ10508
Benzo(k)fluoranthene	ND (0.356)	0.9	1	10/06/11 13:24	CUJ0031	CJ10508
Chrysene	ND (0.179)	0.4	1	10/06/11 13:24	CUJ0031	CJ10508
Dibenzo(a,h)Anthracene	ND (0.179)	0.4	1	10/06/11 13:24	CUJ0031	CJ10508
Fluoranthene	ND (0.356)	20	1	10/06/11 13:24	CUJ0031	CJ10508
Fluorene	ND (0.356)	28	1	10/06/11 13:24	CUJ0031	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.356)	0.9	1	10/06/11 13:24	CUJ0031	CJ10508
Naphthalene	ND (0.356)	54	1	10/06/11 13:24	CUJ0031	CJ10508
Phenanthrene	ND (0.356)	40	1	10/06/11 13:24	CUJ0031	CJ10508
Pyrene	ND (0.356)	13	1	10/06/11 13:24	CUJ0031	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*85 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*91 %*		*30-130*
Surrogate: Nitrobenzene-d5	*80 %*		*30-130*
Surrogate: p-Terphenyl-d14	*98 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-139 0ft-2ft
Date Sampled: 10/03/11 11:01
Percent Solids: 95

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-19
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.7** (2.6)	6010B	7	1	SVD	10/05/11 2:16	2.05	100	CJ10418

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-139 0ft-2ft
Date Sampled: 10/03/11 11:01
Percent Solids: 95
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110012
ESS Laboratory Sample ID: 1110012-19
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.363)	123	1	10/06/11 18:23	CUJ0045	CJ10508
Acenaphthene	ND (0.363)	43	1	10/06/11 18:23	CUJ0045	CJ10508
Acenaphthylene	ND (0.363)	23	1	10/06/11 18:23	CUJ0045	CJ10508
Anthracene	**0.758** (0.363)	35	1	10/06/11 18:23	CUJ0045	CJ10508
Benzo(a)anthracene	**5.76** (0.363)	0.9	1	10/06/11 18:23	CUJ0045	CJ10508
Benzo(a)pyrene	**3.30** (0.182)	0.4	1	10/06/11 18:23	CUJ0045	CJ10508
Benzo(b)fluoranthene	**4.42** (0.363)	0.9	1	10/06/11 18:23	CUJ0045	CJ10508
Benzo(g,h,i)perylene	**1.17** (0.363)	0.8	1	10/06/11 18:23	CUJ0045	CJ10508
Benzo(k)fluoranthene	**1.36** (0.363)	0.9	1	10/06/11 18:23	CUJ0045	CJ10508
Chrysene	**4.58** (0.182)	0.4	1	10/06/11 18:23	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	**0.580** (0.182)	0.4	1	10/06/11 18:23	CUJ0045	CJ10508
Fluoranthene	**8.42** (0.363)	20	1	10/06/11 18:23	CUJ0045	CJ10508
Fluorene	ND (0.363)	28	1	10/06/11 18:23	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	**1.24** (0.363)	0.9	1	10/06/11 18:23	CUJ0045	CJ10508
Naphthalene	**0.384** (0.363)	54	1	10/06/11 18:23	CUJ0045	CJ10508
Phenanthrene	**1.94** (0.363)	40	1	10/06/11 18:23	CUJ0045	CJ10508
Pyrene	**6.71** (0.363)	13	1	10/06/11 18:23	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*89 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*91 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch CJ10418 - 3050B										
Blank										
Arsenic	ND	2.5	mg/kg wet							
LCS										
Arsenic	106	9.1	mg/kg wet	109.0		97	80-120			
LCS Dup										
Arsenic	106	9.1	mg/kg wet	109.0		97	80-120	0.1	20	
Duplicate **Source: 1110012-09**										
Arsenic	6.26	2.3	mg/kg dry		5.14			20	35	
Duplicate **Source: 1110012-19**										
Arsenic	4.19	2.4	mg/kg dry		3.68			13	35	
Matrix Spike **Source: 1110012-09**										
Arsenic	26.1	2.3	mg/kg dry	23.19	5.14	90	75-125			
Matrix Spike **Source: 1110012-19**										
Arsenic	25.5	2.5	mg/kg dry	24.94	3.68	88	75-125			
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10417 - 3546										
Blank										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.72*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.73*		mg/kg wet	*3.333*		*82*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.51*		mg/kg wet	*3.333*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.21*		mg/kg wet	*3.333*		*96*	*30-130*			
LCS										
2-Methylnaphthalene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Acenaphthene	2.50	0.333	mg/kg wet	3.333		75	40-140			
Acenaphthylene	2.76	0.333	mg/kg wet	3.333		83	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10417 - 3546										
Anthracene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)anthracene	2.74	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.68	0.167	mg/kg wet	3.333		80	40-140			
Benzo(b)fluoranthene	2.95	0.333	mg/kg wet	3.333		88	40-140			
Benzo(g,h,i)perylene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(k)fluoranthene	2.56	0.333	mg/kg wet	3.333		77	40-140			
Chrysene	2.59	0.167	mg/kg wet	3.333		78	40-140			
Dibenzo(a,h)Anthracene	2.76	0.167	mg/kg wet	3.333		83	40-140			
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140			
Fluorene	2.53	0.333	mg/kg wet	3.333		76	40-140			
Indeno(1,2,3-cd)Pyrene	2.75	0.333	mg/kg wet	3.333		82	40-140			
Naphthalene	2.55	0.333	mg/kg wet	3.333		77	40-140			
Phenanthrene	2.69	0.333	mg/kg wet	3.333		81	40-140			
Pyrene	2.70	0.333	mg/kg wet	3.333		81	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.55*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.86*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.55*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.91*		mg/kg wet	*3.333*		*87*	*30-130*			
LCS Dup										
2-Methylnaphthalene	2.63	0.333	mg/kg wet	3.333		79	40-140	2	30	
Acenaphthene	2.54	0.333	mg/kg wet	3.333		76	40-140	2	30	
Acenaphthylene	2.77	0.333	mg/kg wet	3.333		83	40-140	0.4	30	
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140	1	30	
Benzo(a)anthracene	2.82	0.333	mg/kg wet	3.333		85	40-140	3	30	
Benzo(a)pyrene	2.78	0.167	mg/kg wet	3.333		83	40-140	4	30	
Benzo(b)fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	6	30	
Benzo(g,h,i)perylene	2.80	0.333	mg/kg wet	3.333		84	40-140	3	30	
Benzo(k)fluoranthene	2.85	0.333	mg/kg wet	3.333		86	40-140	11	30	
Chrysene	2.70	0.167	mg/kg wet	3.333		81	40-140	4	30	
Dibenzo(a,h)Anthracene	2.90	0.167	mg/kg wet	3.333		87	40-140	5	30	
Fluoranthene	2.78	0.333	mg/kg wet	3.333		83	40-140	0.01	30	
Fluorene	2.59	0.333	mg/kg wet	3.333		78	40-140	2	30	
Indeno(1,2,3-cd)Pyrene	2.84	0.333	mg/kg wet	3.333		85	40-140	3	30	
Naphthalene	2.53	0.333	mg/kg wet	3.333		76	40-140	0.8	30	
Phenanthrene	2.74	0.333	mg/kg wet	3.333		82	40-140	2	30	
Pyrene	2.77	0.333	mg/kg wet	3.333		83	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.59*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.84*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.90*		mg/kg wet	*3.333*		*87*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.00*		mg/kg wet	*3.333*		*90*	*30-130*			
Matrix Spike **Source: 1110012-10**										
2-Methylnaphthalene	2.97	0.364	mg/kg dry	3.642	ND	81	40-140			
Acenaphthene	2.73	0.364	mg/kg dry	3.642	ND	75	40-140			
Acenaphthylene	3.00	0.364	mg/kg dry	3.642	ND	82	40-140			
Anthracene	3.10	0.364	mg/kg dry	3.642	ND	85	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10417 - 3546										
Benzo(a)anthracene	3.10	0.364	mg/kg dry	3.642	ND	85	40-140			
Benzo(a)pyrene	3.06	0.182	mg/kg dry	3.642	ND	84	40-140			
Benzo(b)fluoranthene	3.19	0.364	mg/kg dry	3.642	ND	88	40-140			
Benzo(g,h,i)perylene	3.26	0.364	mg/kg dry	3.642	ND	90	40-140			
Benzo(k)fluoranthene	3.08	0.364	mg/kg dry	3.642	ND	84	40-140			
Chrysene	3.02	0.182	mg/kg dry	3.642	ND	83	40-140			
Dibenzo(a,h)Anthracene	3.37	0.182	mg/kg dry	3.642	ND	92	40-140			
Fluoranthene	3.34	0.364	mg/kg dry	3.642	ND	92	40-140			
Fluorene	2.87	0.364	mg/kg dry	3.642	ND	79	40-140			
Indeno(1,2,3-cd)Pyrene	3.33	0.364	mg/kg dry	3.642	ND	91	40-140			
Naphthalene	2.78	0.364	mg/kg dry	3.642	ND	76	40-140			
Phenanthrene	3.03	0.364	mg/kg dry	3.642	ND	83	40-140			
Pyrene	3.00	0.364	mg/kg dry	3.642	ND	82	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.73*		mg/kg dry	*3.642*		*75*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.06*		mg/kg dry	*3.642*		*84*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.74*		mg/kg dry	*3.642*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.24*		mg/kg dry	*3.642*		*89*	*30-130*			
Matrix Spike Dup **Source: 1110012-10**										
2-Methylnaphthalene	2.95	0.354	mg/kg dry	3.543	ND	83	40-140	0.7	30	
Acenaphthene	2.71	0.354	mg/kg dry	3.543	ND	76	40-140	0.7	30	
Acenaphthylene	3.00	0.354	mg/kg dry	3.543	ND	85	40-140	0.009	30	
Anthracene	2.98	0.354	mg/kg dry	3.543	ND	84	40-140	4	30	
Benzo(a)anthracene	3.05	0.354	mg/kg dry	3.543	ND	86	40-140	1	30	
Benzo(a)pyrene	3.04	0.178	mg/kg dry	3.543	ND	86	40-140	0.6	30	
Benzo(b)fluoranthene	3.31	0.354	mg/kg dry	3.543	ND	94	40-140	4	30	
Benzo(g,h,i)perylene	3.18	0.354	mg/kg dry	3.543	ND	90	40-140	3	30	
Benzo(k)fluoranthene	2.67	0.354	mg/kg dry	3.543	ND	75	40-140	14	30	
Chrysene	3.00	0.178	mg/kg dry	3.543	ND	85	40-140	0.7	30	
Dibenzo(a,h)Anthracene	3.29	0.178	mg/kg dry	3.543	ND	93	40-140	2	30	
Fluoranthene	3.08	0.354	mg/kg dry	3.543	ND	87	40-140	8	30	
Fluorene	2.77	0.354	mg/kg dry	3.543	ND	78	40-140	4	30	
Indeno(1,2,3-cd)Pyrene	3.28	0.354	mg/kg dry	3.543	ND	93	40-140	1	30	
Naphthalene	2.75	0.354	mg/kg dry	3.543	ND	78	40-140	0.9	30	
Phenanthrene	3.03	0.354	mg/kg dry	3.543	ND	85	40-140	0.007	30	
Pyrene	3.08	0.354	mg/kg dry	3.543	ND	87	40-140	3	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.72*		mg/kg dry	*3.543*		*77*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.95*		mg/kg dry	*3.543*		*83*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.61*		mg/kg dry	*3.543*		*74*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.28*		mg/kg dry	*3.543*		*92*	*30-130*			
Batch CJ10508 - 3546										
Blank										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10508 - 3546										
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.87*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.32*		mg/kg wet	*3.333*		*100*	*30-130*			
LCS										
2-Methylnaphthalene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Acenaphthene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Acenaphthylene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Anthracene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Benzo(a)anthracene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.75	0.167	mg/kg wet	3.333		82	40-140			
Benzo(b)fluoranthene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Benzo(g,h,i)perylene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(k)fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Chrysene	2.68	0.167	mg/kg wet	3.333		80	40-140			
Dibenzo(a,h)Anthracene	2.94	0.167	mg/kg wet	3.333		88	40-140			
Fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Fluorene	2.45	0.333	mg/kg wet	3.333		74	40-140			
Indeno(1,2,3-cd)Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140			
Naphthalene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Phenanthrene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Pyrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.57*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.97*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.55*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.04*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
2-Methylnaphthalene	2.72	0.333	mg/kg wet	3.333		82	40-140	5	30	
Acenaphthene	2.51	0.333	mg/kg wet	3.333		75	40-140	3	30	
Acenaphthylene	2.76	0.333	mg/kg wet	3.333		83	40-140	1	30	
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140	3	30	
Benzo(a)anthracene	2.81	0.333	mg/kg wet	3.333		84	40-140	3	30	

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10508 - 3546										
Benzo(a)pyrene	2.80	0.167	mg/kg wet	3.333		84	40-140	2	30	
Benzo(b)fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140	7	30	
Benzo(g,h,i)perylene	2.96	0.333	mg/kg wet	3.333		89	40-140	4	30	
Benzo(k)fluoranthene	2.82	0.333	mg/kg wet	3.333		85	40-140	2	30	
Chrysene	2.72	0.167	mg/kg wet	3.333		81	40-140	1	30	
Dibenzo(a,h)Anthracene	3.05	0.167	mg/kg wet	3.333		91	40-140	3	30	
Fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140	3	30	
Fluorene	2.55	0.333	mg/kg wet	3.333		76	40-140	4	30	
Indeno(1,2,3-cd)Pyrene	3.00	0.333	mg/kg wet	3.333		90	40-140	4	30	
Naphthalene	2.56	0.333	mg/kg wet	3.333		77	40-140	2	30	
Phenanthrene	2.68	0.333	mg/kg wet	3.333		80	40-140	0.4	30	
Pyrene	2.72	0.333	mg/kg wet	3.333		82	40-140	0.4	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.85*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.98*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.62*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.22*		mg/kg wet	*3.333*		*97*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail ESS Laboratory Work Order: 1110012

Notes and Definitions

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

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110012

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
http://www.a2la.org/scopepdf/2864-01.pdf

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

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

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

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

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

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

United States Department of Agriculture Soil Permit: S-54210

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

CHEMISTRY

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

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

Sample and Cooler Receipt Checklist

Client: Vanasse Hangen Brustlin, Inc.
Client Project ID: _____
Shipped/Delivered Via: ESS Courier

ESS Project ID: 11100012
Date Project Due: 10/10/11
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **4.5**		16. Are ESS labels on correct containers?	Yes No
Iced With: **Ice**		17. Were samples received intact?	Yes No
6. Was COC included with samples?	Yes	ESS Sample IDs: _____	
7. Was COC signed and dated by client?	Yes	Sub Lab: _____	
8. Does the COC match the sample	Yes	Analysis: _____	
9. Is COC complete and correct?	Yes	TAT: _____	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?:_____ By whom? _____

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

Completed By: _____ Date/Time: 10/3/11

Reviewed By: _____ Date/Time: 10/3/11

ESS Laboratory

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

CHAIN OF CUSTODY

Turn Time: ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from: MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following: MA-MCP Navy USACE Other NA

Reporting Limits

ESS LAB PROJECT ID: 1110012

Electronic Deliverable: Yes ✓ No ____
Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St, Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@VHB.com CMASSE@VHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	Total Arsenic
01	10-3-11	09:52	X		S	SB-121 0-2	1	1	G	X	X
02		09:55				SB-122 0-2					
03		09:59				SB-123 0-2					
04		10:00				SB-124 0-2					
05		10:06				SB-125 0-2					
06		10:08				SB-126 0-2					
07		10:14				SB-127 0-2					
08		10:16				SB-128 0-2					
09		10:20				SB-129 0-2					
10		10:24				SB-130 0-2					

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

Cooler Present: X Yes ___ No
Seals Intact: ___ Yes ___ No NA: X
Cooler Temp: 4.5 iCe

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HC1, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK / CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	16:28 10-3-11	Marcel Keeven	10/3/11 1128				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

2 of 2

ESS Laboratory

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CHAIN OF CUSTODY

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Turn Time: ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:
MA-MCP Navy USACE Other NA

Reporting Limits: RIDEM RDEC

ESS LAB PROJECT ID: 110012 10/31 MK

Electronic Deliverable: Yes ✓ No ____
Format: Excel ___ Access ___ PDF ___ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St, Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@VHB.com CMasse@VHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	Total Arsenic
11	10-3-11	10:29	X		S	SB-131 0-2"	1	1	G	X	X
12		10:32				SB-132 0-2"					
13		10:36				SB-133 0-2"					
14		10:38				SB-134 0-2"					
15		10:49				SB-135 0-2"					
16		10:46				SB-136 0-2"					
17		10:54				SB-137 0-2"					
18		10:52				SB-138 0-2"					
19	X	11:01	X		X	SB-139 0-2"	X	X	X	X	X

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

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5 ice

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HC1, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK/CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	10-3-11 16:28	Maud Kaeno	10/3/11 1628				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

CERTIFICATE OF ANALYSIS

Josh Klement
Vanasse Hangen Brustlin, Inc.
10 Dorrance Street, Suite 400
Providence, RI 02903

RE: Trestle Trail (72016.1)
ESS Laboratory Work Order Number: 1110015

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

Laurel Stoddard
Laboratory Director

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

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110015

SAMPLE RECEIPT

The following samples were received on October 03, 2011 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1110015-01	SB-201 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C
1110015-02	SB-202 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C
1110015-03	SB-203 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C
1110015-04	SB-204 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C
1110015-05	SB-301 0ft-2ft	Soil	6010B
1110015-06	SB-302 0ft-2ft	Soil	6010B
1110015-07	SB-303 0ft-2ft	Soil	6010B
1110015-08	SB-401 0ft-2ft	Soil	6010B, 8270C
1110015-09	SB-402 0ft-2ft	Soil	6010B, 8270C
1110015-10	SB-403 0ft-2ft	Soil	6010B, 8270C
1110015-11	SB-404 0ft-2ft	Soil	6010B, 8270C
1110015-12	SB-405 0ft-2ft	Soil	6010B, 8270C
1110015-13	SB-406 0ft-2ft	Soil	6010B, 8270C
1110015-14	SB-407 0ft-2ft	Soil	6010B, 8270C
1110015-15	SB-408 0ft-2ft	Soil	6010B, 8270C
1110015-16	SB-409 0ft-2ft	Soil	6010B, 8270C
1110015-17	SB-410 0ft-2ft	Soil	6010B, 8270C
1110015-18	SB-411 0ft-2ft	Soil	6010B, 8270C
1110015-19	SB-412 0ft-2ft	Soil	6010B, 8270C

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110015

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

CJ10517-BS1 **Blank Spike recovery is below lower control limit (B-).**
Selenium (78% @ 80-120%)

CJ10517-MS1 **Matrix Spike recovery is below lower control limit (M-).**
Arsenic (71% @ 75-125%)

CJ10517-MS2 **Matrix Spike recovery is below lower control limit (M-).**
Arsenic (69% @ 75-125%)

8270C Polynuclear Aromatic Hydrocarbons

1110015-08 **Internal Standard(s) outside of criteria due to matrix (UCM/coelution is present) (IM).**
Acenaphthene-d10 (20% @ 50-200%), Chrysene-d12 (18% @ 50-200%)

1110015-08 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution/matrix is present) (SM).**
2-Fluorobiphenyl (240% @ 30-130%), Perylene-d12 (0% @ 50-200%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-201 0ft-2ft
Date Sampled: 10/03/11 11:50
Percent Solids: 92

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.2)	6010B	10	1	JP	10/06/11 20:03	2.11	100	CJ10517
Arsenic	**9.3** (2.6)	6010B	7	1	JP	10/06/11 20:03	2.11	100	CJ10517
Beryllium	**0.13** (0.11)	6010B	0.4	1	JP	10/06/11 20:03	2.11	100	CJ10517
Cadmium	ND (0.52)	6010B	39	1	JP	10/06/11 20:03	2.11	100	CJ10517
Chromium	**1.1** (1.0)	6010B	1400	1	JP	10/06/11 20:03	2.11	100	CJ10517
Copper	**7.6** (2.6)	6010B	3100	1	JP	10/06/11 20:03	2.11	100	CJ10517
Lead	**13.9** (5.2)	6010B	150	1	JP	10/06/11 20:03	2.11	100	CJ10517
Mercury	ND (0.035)	7471A	23	1	KJK	10/11/11 13:24	0.61	40	CJ10518
Nickel	ND (2.6)	6010B	1000	1	JP	10/06/11 20:03	2.11	100	CJ10517
Selenium	ND (5.2)	6010B	390	1	JP	10/06/11 20:03	2.11	100	CJ10517
Silver	ND (0.51)	6010B	200	1	SVD	10/12/11 22:37	2.15	100	CJ11223
Thallium	ND (1.27)	7841	5.5	5	SVD	10/11/11 18:21	2.11	100	CJ10517
Zinc	**10.0** (2.6)	6010B	6000	1	JP	10/06/11 20:03	2.11	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-201 0ft-2ft
Date Sampled: 10/03/11 11:50
Percent Solids: 92
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.374)	123	1	10/06/11 18:53	CUJ0045	CJ10508
Acenaphthene	ND (0.374)	43	1	10/06/11 18:53	CUJ0045	CJ10508
Acenaphthylene	ND (0.374)	23	1	10/06/11 18:53	CUJ0045	CJ10508
Anthracene	ND (0.374)	35	1	10/06/11 18:53	CUJ0045	CJ10508
Benzo(a)anthracene	**0.489** (0.374)	0.9	1	10/06/11 18:53	CUJ0045	CJ10508
Benzo(a)pyrene	**0.450** (0.188)	0.4	1	10/06/11 18:53	CUJ0045	CJ10508
Benzo(b)fluoranthene	**0.845** (0.374)	0.9	1	10/06/11 18:53	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.374)	0.8	1	10/06/11 18:53	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.374)	0.9	1	10/06/11 18:53	CUJ0045	CJ10508
Chrysene	**0.668** (0.188)	0.4	1	10/06/11 18:53	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.188)	0.4	1	10/06/11 18:53	CUJ0045	CJ10508
Fluoranthene	**1.00** (0.374)	20	1	10/06/11 18:53	CUJ0045	CJ10508
Fluorene	ND (0.374)	28	1	10/06/11 18:53	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.374)	0.9	1	10/06/11 18:53	CUJ0045	CJ10508
Naphthalene	ND (0.374)	54	1	10/06/11 18:53	CUJ0045	CJ10508
Phenanthrene	ND (0.374)	40	1	10/06/11 18:53	CUJ0045	CJ10508
Pyrene	**0.824** (0.374)	13	1	10/06/11 18:53	CUJ0045	CJ10508

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*84 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*90 %*		*30-130*
Surrogate: Nitrobenzene-d5	*78 %*		*30-130*
Surrogate: p-Terphenyl-d14	*96 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-202 0ft-2ft
Date Sampled: 10/03/11 11:40
Percent Solids: 94

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (4.3)	6010B	10	1	JP	10/06/11 20:07	2.48	100	CJ10517
Arsenic	**9.2** (2.1)	6010B	7	1	JP	10/06/11 20:07	2.48	100	CJ10517
Beryllium	**0.14** (0.09)	6010B	0.4	1	JP	10/06/11 20:07	2.48	100	CJ10517
Cadmium	ND (0.43)	6010B	39	1	JP	10/06/11 20:07	2.48	100	CJ10517
Chromium	**1.2** (0.9)	6010B	1400	1	JP	10/06/11 20:07	2.48	100	CJ10517
Copper	**7.3** (2.1)	6010B	3100	1	JP	10/06/11 20:07	2.48	100	CJ10517
Lead	**13.4** (4.3)	6010B	150	1	JP	10/06/11 20:07	2.48	100	CJ10517
Mercury	ND (0.031)	7471A	23	1	KJK	10/11/11 13:27	0.69	40	CJ10518
Nickel	ND (2.1)	6010B	1000	1	JP	10/06/11 20:07	2.48	100	CJ10517
Selenium	ND (4.3)	6010B	390	1	JP	10/06/11 20:07	2.48	100	CJ10517
Silver	ND (0.48)	6010B	200	1	SVD	10/12/11 22:41	2.22	100	CJ11223
Thallium	ND (1.06)	7841	5.5	5	SVD	10/11/11 18:27	2.48	100	CJ10517
Zinc	**10.1** (2.1)	6010B	6000	1	JP	10/06/11 20:07	2.48	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-202 0ft-2ft
Date Sampled: 10/03/11 11:40
Percent Solids: 94
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.352)	123	1	10/06/11 19:23	CUJ0045	CJ10508
Acenaphthene	ND (0.352)	43	1	10/06/11 19:23	CUJ0045	CJ10508
Acenaphthylene	ND (0.352)	23	1	10/06/11 19:23	CUJ0045	CJ10508
Anthracene	ND (0.352)	35	1	10/06/11 19:23	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.352)	0.9	1	10/06/11 19:23	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.176)	0.4	1	10/06/11 19:23	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.352)	0.9	1	10/06/11 19:23	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.352)	0.8	1	10/06/11 19:23	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.352)	0.9	1	10/06/11 19:23	CUJ0045	CJ10508
Chrysene	**0.179** (0.176)	0.4	1	10/06/11 19:23	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.176)	0.4	1	10/06/11 19:23	CUJ0045	CJ10508
Fluoranthene	ND (0.352)	20	1	10/06/11 19:23	CUJ0045	CJ10508
Fluorene	ND (0.352)	28	1	10/06/11 19:23	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.352)	0.9	1	10/06/11 19:23	CUJ0045	CJ10508
Naphthalene	ND (0.352)	54	1	10/06/11 19:23	CUJ0045	CJ10508
Phenanthrene	ND (0.352)	40	1	10/06/11 19:23	CUJ0045	CJ10508
Pyrene	ND (0.352)	13	1	10/06/11 19:23	CUJ0045	CJ10508

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*82 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*101 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-203 0ft-2ft
Date Sampled: 10/03/11 12:00
Percent Solids: 94

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.1)	6010B	10	1	JP	10/06/11 20:11	2.07	100	CJ10517
Arsenic	**3.2** (2.6)	6010B	7	1	JP	10/06/11 20:11	2.07	100	CJ10517
Beryllium	**0.25** (0.11)	6010B	0.4	1	JP	10/06/11 20:11	2.07	100	CJ10517
Cadmium	ND (0.52)	6010B	39	1	JP	10/06/11 20:11	2.07	100	CJ10517
Chromium	ND (1.0)	6010B	1400	1	JP	10/06/11 20:11	2.07	100	CJ10517
Copper	**10.6** (2.6)	6010B	3100	1	JP	10/06/11 20:11	2.07	100	CJ10517
Lead	**8.8** (5.1)	6010B	150	1	JP	10/06/11 20:11	2.07	100	CJ10517
Mercury	ND (0.028)	7471A	23	1	KJK	10/11/11 13:30	0.75	40	CJ10518
Nickel	ND (2.6)	6010B	1000	1	JP	10/06/11 20:11	2.07	100	CJ10517
Selenium	ND (5.1)	6010B	390	1	JP	10/06/11 20:11	2.07	100	CJ10517
Silver	ND (0.51)	6010B	200	1	SVD	10/12/11 22:46	2.09	100	CJ11223
Thallium	ND (1.27)	7841	5.5	5	SVD	10/11/11 18:32	2.07	100	CJ10517
Zinc	**12.4** (2.6)	6010B	6000	1	JP	10/06/11 20:11	2.07	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-203 0ft-2ft
Date Sampled: 10/03/11 12:00
Percent Solids: 94
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.354)	123	1	10/06/11 19:53	CUJ0045	CJ10508
Acenaphthene	ND (0.354)	43	1	10/06/11 19:53	CUJ0045	CJ10508
Acenaphthylene	ND (0.354)	23	1	10/06/11 19:53	CUJ0045	CJ10508
Anthracene	ND (0.354)	35	1	10/06/11 19:53	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.354)	0.9	1	10/06/11 19:53	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.178)	0.4	1	10/06/11 19:53	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.354)	0.9	1	10/06/11 19:53	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.354)	0.8	1	10/06/11 19:53	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.354)	0.9	1	10/06/11 19:53	CUJ0045	CJ10508
Chrysene	ND (0.178)	0.4	1	10/06/11 19:53	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.178)	0.4	1	10/06/11 19:53	CUJ0045	CJ10508
Fluoranthene	ND (0.354)	20	1	10/06/11 19:53	CUJ0045	CJ10508
Fluorene	ND (0.354)	28	1	10/06/11 19:53	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.354)	0.9	1	10/06/11 19:53	CUJ0045	CJ10508
Naphthalene	ND (0.354)	54	1	10/06/11 19:53	CUJ0045	CJ10508
Phenanthrene	ND (0.354)	40	1	10/06/11 19:53	CUJ0045	CJ10508
Pyrene	ND (0.354)	13	1	10/06/11 19:53	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*77 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*97 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-204 0ft-2ft
Date Sampled: 10/03/11 11:54
Percent Solids: 95

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.1)	6010B	10	1	JP	10/06/11 20:16	2.06	100	CJ10517
Arsenic	**15.7** (2.6)	6010B	7	1	JP	10/06/11 20:16	2.06	100	CJ10517
Beryllium	**0.16** (0.11)	6010B	0.4	1	JP	10/06/11 20:16	2.06	100	CJ10517
Cadmium	ND (0.51)	6010B	39	1	JP	10/06/11 20:16	2.06	100	CJ10517
Chromium	**1.2** (1.0)	6010B	1400	1	JP	10/06/11 20:16	2.06	100	CJ10517
Copper	**11.9** (2.6)	6010B	3100	1	JP	10/06/11 20:16	2.06	100	CJ10517
Lead	**28.9** (5.1)	6010B	150	1	JP	10/06/11 20:16	2.06	100	CJ10517
Mercury	ND (0.031)	7471A	23	1	KJK	10/11/11 13:32	0.67	40	CJ10518
Nickel	ND (2.6)	6010B	1000	1	JP	10/06/11 20:16	2.06	100	CJ10517
Selenium	ND (5.1)	6010B	390	1	JP	10/06/11 20:16	2.06	100	CJ10517
Silver	ND (0.50)	6010B	200	1	SVD	10/12/11 22:50	2.13	100	CJ11223
Thallium	ND (1.26)	7841	5.5	5	SVD	10/11/11 18:38	2.06	100	CJ10517
Zinc	**13.3** (2.6)	6010B	6000	1	JP	10/06/11 20:16	2.06	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-204 0ft-2ft
Date Sampled: 10/03/11 11:54
Percent Solids: 95
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.355)	123	1	10/06/11 20:23	CUJ0045	CJ10508
Acenaphthene	ND (0.355)	43	1	10/06/11 20:23	CUJ0045	CJ10508
Acenaphthylene	ND (0.355)	23	1	10/06/11 20:23	CUJ0045	CJ10508
Anthracene	ND (0.355)	35	1	10/06/11 20:23	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.355)	0.9	1	10/06/11 20:23	CUJ0045	CJ10508
Benzo(a)pyrene	**0.190** (0.178)	0.4	1	10/06/11 20:23	CUJ0045	CJ10508
Benzo(b)fluoranthene	**0.398** (0.355)	0.9	1	10/06/11 20:23	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.355)	0.8	1	10/06/11 20:23	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.355)	0.9	1	10/06/11 20:23	CUJ0045	CJ10508
Chrysene	**0.285** (0.178)	0.4	1	10/06/11 20:23	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.178)	0.4	1	10/06/11 20:23	CUJ0045	CJ10508
Fluoranthene	**0.379** (0.355)	20	1	10/06/11 20:23	CUJ0045	CJ10508
Fluorene	ND (0.355)	28	1	10/06/11 20:23	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.355)	0.9	1	10/06/11 20:23	CUJ0045	CJ10508
Naphthalene	ND (0.355)	54	1	10/06/11 20:23	CUJ0045	CJ10508
Phenanthrene	ND (0.355)	40	1	10/06/11 20:23	CUJ0045	CJ10508
Pyrene	ND (0.355)	13	1	10/06/11 20:23	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*73 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*81 %*		*30-130*
Surrogate: Nitrobenzene-d5	*68 %*		*30-130*
Surrogate: p-Terphenyl-d14	*100 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-301 0ft-2ft
Date Sampled: 10/03/11 13:27
Percent Solids: 95

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.9** (2.2)	6010B	7	1	JP	10/06/11 20:20	2.44	100	CJ10517
Beryllium	**0.17** (0.09)	6010B	0.4	1	JP	10/06/11 20:20	2.44	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-302 0ft-2ft
Date Sampled: 10/03/11 13:35
Percent Solids: 95

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.8** (2.5)	6010B	7	1	JP	10/06/11 20:24	2.1	100	CJ10517
Beryllium	**0.26** (0.11)	6010B	0.4	1	JP	10/06/11 20:24	2.1	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-303 0ft-2ft
Date Sampled: 10/03/11 13:36
Percent Solids: 94

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**7.4** (2.3)	6010B	7	1	JP	10/06/11 20:37	2.3	100	CJ10517
Beryllium	**0.25** (0.10)	6010B	0.4	1	JP	10/06/11 20:37	2.3	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-401 0ft-2ft
Date Sampled: 10/03/11 14:10
Percent Solids: 89

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.2** (2.5)	6010B	7	1	JP	10/06/11 20:41	2.25	100	CJ10517
Beryllium	**0.35** (0.10)	6010B	0.4	1	JP	10/06/11 20:41	2.25	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-401 0ft-2ft
Date Sampled: 10/03/11 14:10
Percent Solids: 89
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.390)	123	1	10/06/11 20:53	CUJ0045	CJ10508
Acenaphthene	ND (0.390)	43	1	10/06/11 20:53	CUJ0045	CJ10508
Acenaphthylene	ND (0.390)	23	1	10/06/11 20:53	CUJ0045	CJ10508
Anthracene	ND (0.390)	35	1	10/06/11 20:53	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.390)	0.9	1	10/06/11 20:53	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.195)	0.4	1	10/06/11 20:53	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.390)	0.9	1	10/06/11 20:53	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.390)	0.8	1	10/06/11 20:53	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.390)	0.9	1	10/06/11 20:53	CUJ0045	CJ10508
Chrysene	ND (0.195)	0.4	1	10/06/11 20:53	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.195)	0.4	1	10/06/11 20:53	CUJ0045	CJ10508
Fluoranthene	ND (0.390)	20	1	10/06/11 20:53	CUJ0045	CJ10508
Fluorene	ND (0.390)	28	1	10/06/11 20:53	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.390)	0.9	1	10/06/11 20:53	CUJ0045	CJ10508
Naphthalene	**1.05** (0.390)	54	1	10/06/11 20:53	CUJ0045	CJ10508
Phenanthrene	ND (0.390)	40	1	10/06/11 20:53	CUJ0045	CJ10508
Pyrene	ND (0.390)	13	1	10/06/11 20:53	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*47 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*240 %*	*SM*	*30-130*
Surrogate: Nitrobenzene-d5	*37 %*		*30-130*
Surrogate: p-Terphenyl-d14	*123 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-402 0ft-2ft
Date Sampled: 10/03/11 14:07
Percent Solids: 99

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-09
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.5** (2.1)	6010B	7	1	JP	10/06/11 20:45	2.35	100	CJ10517
Beryllium	**0.27** (0.09)	6010B	0.4	1	JP	10/06/11 20:45	2.35	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-402 0ft-2ft
Date Sampled: 10/03/11 14:07
Percent Solids: 99
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-09
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.346)	123	1	10/06/11 21:23	CUJ0045	CJ10508
Acenaphthene	ND (0.346)	43	1	10/06/11 21:23	CUJ0045	CJ10508
Acenaphthylene	ND (0.346)	23	1	10/06/11 21:23	CUJ0045	CJ10508
Anthracene	ND (0.346)	35	1	10/06/11 21:23	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.346)	0.9	1	10/06/11 21:23	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.173)	0.4	1	10/06/11 21:23	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.346)	0.9	1	10/06/11 21:23	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.346)	0.8	1	10/06/11 21:23	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.346)	0.9	1	10/06/11 21:23	CUJ0045	CJ10508
Chrysene	ND (0.173)	0.4	1	10/06/11 21:23	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.173)	0.4	1	10/06/11 21:23	CUJ0045	CJ10508
Fluoranthene	ND (0.346)	20	1	10/06/11 21:23	CUJ0045	CJ10508
Fluorene	ND (0.346)	28	1	10/06/11 21:23	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.346)	0.9	1	10/06/11 21:23	CUJ0045	CJ10508
Naphthalene	ND (0.346)	54	1	10/06/11 21:23	CUJ0045	CJ10508
Phenanthrene	ND (0.346)	40	1	10/06/11 21:23	CUJ0045	CJ10508
Pyrene	ND (0.346)	13	1	10/06/11 21:23	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*68 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*76 %*		*30-130*
Surrogate: Nitrobenzene-d5	*63 %*		*30-130*
Surrogate: p-Terphenyl-d14	*101 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-403 0ft-2ft
Date Sampled: 10/03/11 14:20
Percent Solids: 90

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-10
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (4.5)	6010B	7	2	SVD	10/11/11 20:50	2.46	100	CJ10517
Beryllium	**0.51** (0.19)	6010B	0.4	2	SVD	10/11/11 20:50	2.46	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-403 0ft-2ft
Date Sampled: 10/03/11 14:20
Percent Solids: 90
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-10
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.383)	123	1	10/06/11 21:53	CUJ0045	CJ10508
Acenaphthene	ND (0.383)	43	1	10/06/11 21:53	CUJ0045	CJ10508
Acenaphthylene	ND (0.383)	23	1	10/06/11 21:53	CUJ0045	CJ10508
Anthracene	ND (0.383)	35	1	10/06/11 21:53	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.383)	0.9	1	10/06/11 21:53	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.192)	0.4	1	10/06/11 21:53	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.383)	0.9	1	10/06/11 21:53	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.383)	0.8	1	10/06/11 21:53	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.383)	0.9	1	10/06/11 21:53	CUJ0045	CJ10508
Chrysene	ND (0.192)	0.4	1	10/06/11 21:53	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.192)	0.4	1	10/06/11 21:53	CUJ0045	CJ10508
Fluoranthene	ND (0.383)	20	1	10/06/11 21:53	CUJ0045	CJ10508
Fluorene	ND (0.383)	28	1	10/06/11 21:53	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.383)	0.9	1	10/06/11 21:53	CUJ0045	CJ10508
Naphthalene	ND (0.383)	54	1	10/06/11 21:53	CUJ0045	CJ10508
Phenanthrene	ND (0.383)	40	1	10/06/11 21:53	CUJ0045	CJ10508
Pyrene	ND (0.383)	13	1	10/06/11 21:53	CUJ0045	CJ10508

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*76 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*80 %*		*30-130*
Surrogate: Nitrobenzene-d5	*66 %*		*30-130*
Surrogate: p-Terphenyl-d14	*107 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-404 0ft-2ft
Date Sampled: 10/03/11 14:17
Percent Solids: 93

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-11
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (4.8)	6010B	7	2	SVD	10/11/11 21:19	2.22	100	CJ10517
Beryllium	**0.46** (0.20)	6010B	0.4	2	SVD	10/11/11 21:19	2.22	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-404 0ft-2ft
Date Sampled: 10/03/11 14:17
Percent Solids: 93
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-11
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.349)	123	1	10/06/11 22:24	CUJ0045	CJ10508
Acenaphthene	ND (0.349)	43	1	10/06/11 22:24	CUJ0045	CJ10508
Acenaphthylene	ND (0.349)	23	1	10/06/11 22:24	CUJ0045	CJ10508
Anthracene	ND (0.349)	35	1	10/06/11 22:24	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.349)	0.9	1	10/06/11 22:24	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.175)	0.4	1	10/06/11 22:24	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.349)	0.9	1	10/06/11 22:24	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.349)	0.8	1	10/06/11 22:24	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.349)	0.9	1	10/06/11 22:24	CUJ0045	CJ10508
Chrysene	ND (0.175)	0.4	1	10/06/11 22:24	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.175)	0.4	1	10/06/11 22:24	CUJ0045	CJ10508
Fluoranthene	ND (0.349)	20	1	10/06/11 22:24	CUJ0045	CJ10508
Fluorene	ND (0.349)	28	1	10/06/11 22:24	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.349)	0.9	1	10/06/11 22:24	CUJ0045	CJ10508
Naphthalene	ND (0.349)	54	1	10/06/11 22:24	CUJ0045	CJ10508
Phenanthrene	ND (0.349)	40	1	10/06/11 22:24	CUJ0045	CJ10508
Pyrene	ND (0.349)	13	1	10/06/11 22:24	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*87 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*88 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*105 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-405 0ft-2ft
Date Sampled: 10/03/11 14:27
Percent Solids: 95

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-12
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.3)	6010B	7	1	JP	10/07/11 18:23	2.27	100	CJ10517
Beryllium	**0.39** (0.10)	6010B	0.4	1	JP	10/07/11 18:23	2.27	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-405 0ft-2ft
Date Sampled: 10/03/11 14:27
Percent Solids: 95
Initial Volume: 15.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-12
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.339)	123	1	10/06/11 22:54	CUJ0045	CJ10508
Acenaphthene	ND (0.339)	43	1	10/06/11 22:54	CUJ0045	CJ10508
Acenaphthylene	ND (0.339)	23	1	10/06/11 22:54	CUJ0045	CJ10508
Anthracene	ND (0.339)	35	1	10/06/11 22:54	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.339)	0.9	1	10/06/11 22:54	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.170)	0.4	1	10/06/11 22:54	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.339)	0.9	1	10/06/11 22:54	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.339)	0.8	1	10/06/11 22:54	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.339)	0.9	1	10/06/11 22:54	CUJ0045	CJ10508
Chrysene	ND (0.170)	0.4	1	10/06/11 22:54	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.170)	0.4	1	10/06/11 22:54	CUJ0045	CJ10508
Fluoranthene	ND (0.339)	20	1	10/06/11 22:54	CUJ0045	CJ10508
Fluorene	ND (0.339)	28	1	10/06/11 22:54	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.339)	0.9	1	10/06/11 22:54	CUJ0045	CJ10508
Naphthalene	ND (0.339)	54	1	10/06/11 22:54	CUJ0045	CJ10508
Phenanthrene	ND (0.339)	40	1	10/06/11 22:54	CUJ0045	CJ10508
Pyrene	ND (0.339)	13	1	10/06/11 22:54	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*86 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: Nitrobenzene-d5	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*106 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-406 0ft-2ft
Date Sampled: 10/03/11 14:39
Percent Solids: 96

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-13
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**8.0** (2.4)	6010B	7	1	JP	10/07/11 18:27	2.2	100	CJ10517
Beryllium	**0.32** (0.10)	6010B	0.4	1	JP	10/07/11 18:27	2.2	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-406 0ft-2ft
Date Sampled: 10/03/11 14:39
Percent Solids: 96
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-13
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.361)	123	1	10/06/11 23:24	CUJ0045	CJ10508
Acenaphthene	ND (0.361)	43	1	10/06/11 23:24	CUJ0045	CJ10508
Acenaphthylene	ND (0.361)	23	1	10/06/11 23:24	CUJ0045	CJ10508
Anthracene	ND (0.361)	35	1	10/06/11 23:24	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.361)	0.9	1	10/06/11 23:24	CUJ0045	CJ10508
Benzo(a)pyrene	**0.228** (0.181)	0.4	1	10/06/11 23:24	CUJ0045	CJ10508
Benzo(b)fluoranthene	**0.437** (0.361)	0.9	1	10/06/11 23:24	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.361)	0.8	1	10/06/11 23:24	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.361)	0.9	1	10/06/11 23:24	CUJ0045	CJ10508
Chrysene	**0.356** (0.181)	0.4	1	10/06/11 23:24	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.181)	0.4	1	10/06/11 23:24	CUJ0045	CJ10508
Fluoranthene	**0.491** (0.361)	20	1	10/06/11 23:24	CUJ0045	CJ10508
Fluorene	ND (0.361)	28	1	10/06/11 23:24	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.361)	0.9	1	10/06/11 23:24	CUJ0045	CJ10508
Naphthalene	ND (0.361)	54	1	10/06/11 23:24	CUJ0045	CJ10508
Phenanthrene	ND (0.361)	40	1	10/06/11 23:24	CUJ0045	CJ10508
Pyrene	**0.448** (0.361)	13	1	10/06/11 23:24	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: Nitrobenzene-d5	*65 %*		*30-130*
Surrogate: p-Terphenyl-d14	*91 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-407 0ft-2ft
Date Sampled: 10/03/11 14:48
Percent Solids: 96

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-14
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**6.8** (2.2)	6010B	7	1	JP	10/07/11 18:31	2.42	100	CJ10517
Beryllium	**0.35** (0.09)	6010B	0.4	1	JP	10/07/11 18:31	2.42	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-407 0ft-2ft
Date Sampled: 10/03/11 14:48
Percent Solids: 96
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-14
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.340)	123	1	10/06/11 23:54	CUJ0045	CJ10508
Acenaphthene	ND (0.340)	43	1	10/06/11 23:54	CUJ0045	CJ10508
Acenaphthylene	ND (0.340)	23	1	10/06/11 23:54	CUJ0045	CJ10508
Anthracene	ND (0.340)	35	1	10/06/11 23:54	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.340)	0.9	1	10/06/11 23:54	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.171)	0.4	1	10/06/11 23:54	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.340)	0.9	1	10/06/11 23:54	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.340)	0.8	1	10/06/11 23:54	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.340)	0.9	1	10/06/11 23:54	CUJ0045	CJ10508
Chrysene	**0.183** (0.171)	0.4	1	10/06/11 23:54	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.171)	0.4	1	10/06/11 23:54	CUJ0045	CJ10508
Fluoranthene	ND (0.340)	20	1	10/06/11 23:54	CUJ0045	CJ10508
Fluorene	ND (0.340)	28	1	10/06/11 23:54	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.340)	0.9	1	10/06/11 23:54	CUJ0045	CJ10508
Naphthalene	ND (0.340)	54	1	10/06/11 23:54	CUJ0045	CJ10508
Phenanthrene	ND (0.340)	40	1	10/06/11 23:54	CUJ0045	CJ10508
Pyrene	ND (0.340)	13	1	10/06/11 23:54	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*81 %*		*30-130*
Surrogate: Nitrobenzene-d5	*69 %*		*30-130*
Surrogate: p-Terphenyl-d14	*98 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-408 0ft-2ft
Date Sampled: 10/03/11 14:48
Percent Solids: 96

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-15
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.9** (2.0)	6010B	7	1	JP	10/07/11 18:35	2.54	100	CJ10517
Beryllium	**0.40** (0.09)	6010B	0.4	1	JP	10/07/11 18:35	2.54	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-408 0ft-2ft
Date Sampled: 10/03/11 14:48
Percent Solids: 96
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-15
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.340)	123	1	10/07/11 0:24	CUJ0045	CJ10508
Acenaphthene	ND (0.340)	43	1	10/07/11 0:24	CUJ0045	CJ10508
Acenaphthylene	ND (0.340)	23	1	10/07/11 0:24	CUJ0045	CJ10508
Anthracene	ND (0.340)	35	1	10/07/11 0:24	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.340)	0.9	1	10/07/11 0:24	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.171)	0.4	1	10/07/11 0:24	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.340)	0.9	1	10/07/11 0:24	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.340)	0.8	1	10/07/11 0:24	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.340)	0.9	1	10/07/11 0:24	CUJ0045	CJ10508
Chrysene	ND (0.171)	0.4	1	10/07/11 0:24	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.171)	0.4	1	10/07/11 0:24	CUJ0045	CJ10508
Fluoranthene	ND (0.340)	20	1	10/07/11 0:24	CUJ0045	CJ10508
Fluorene	ND (0.340)	28	1	10/07/11 0:24	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.340)	0.9	1	10/07/11 0:24	CUJ0045	CJ10508
Naphthalene	ND (0.340)	54	1	10/07/11 0:24	CUJ0045	CJ10508
Phenanthrene	ND (0.340)	40	1	10/07/11 0:24	CUJ0045	CJ10508
Pyrene	ND (0.340)	13	1	10/07/11 0:24	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*77 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*80 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*100 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-409 0ft-2ft
Date Sampled: 10/03/11 14:55
Percent Solids: 95

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-16
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.8** (2.4)	6010B	7	1	JP	10/06/11 21:37	2.18	100	CJ10517
Beryllium	**0.22** (0.10)	6010B	0.4	1	JP	10/06/11 21:37	2.18	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-409 0ft-2ft
Date Sampled: 10/03/11 14:55
Percent Solids: 95
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-16
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.365)	123	1	10/07/11 0:54	CUJ0045	CJ10508
Acenaphthene	ND (0.365)	43	1	10/07/11 0:54	CUJ0045	CJ10508
Acenaphthylene	ND (0.365)	23	1	10/07/11 0:54	CUJ0045	CJ10508
Anthracene	ND (0.365)	35	1	10/07/11 0:54	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.365)	0.9	1	10/07/11 0:54	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.183)	0.4	1	10/07/11 0:54	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.365)	0.9	1	10/07/11 0:54	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.365)	0.8	1	10/07/11 0:54	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.365)	0.9	1	10/07/11 0:54	CUJ0045	CJ10508
Chrysene	ND (0.183)	0.4	1	10/07/11 0:54	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.183)	0.4	1	10/07/11 0:54	CUJ0045	CJ10508
Fluoranthene	ND (0.365)	20	1	10/07/11 0:54	CUJ0045	CJ10508
Fluorene	ND (0.365)	28	1	10/07/11 0:54	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.365)	0.9	1	10/07/11 0:54	CUJ0045	CJ10508
Naphthalene	ND (0.365)	54	1	10/07/11 0:54	CUJ0045	CJ10508
Phenanthrene	ND (0.365)	40	1	10/07/11 0:54	CUJ0045	CJ10508
Pyrene	ND (0.365)	13	1	10/07/11 0:54	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: Nitrobenzene-d5	*74 %*		*30-130*
Surrogate: p-Terphenyl-d14	*102 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-410 0ft-2ft
Date Sampled: 10/03/11 14:57
Percent Solids: 95

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-17
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.3)	6010B	7	1	JP	10/06/11 21:41	2.29	100	CJ10517
Beryllium	**0.29** (0.10)	6010B	0.4	1	JP	10/06/11 21:41	2.29	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-410 0ft-2ft
Date Sampled: 10/03/11 14:57
Percent Solids: 95
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-17
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.363)	123	1	10/07/11 1:24	CUJ0045	CJ10508
Acenaphthene	ND (0.363)	43	1	10/07/11 1:24	CUJ0045	CJ10508
Acenaphthylene	ND (0.363)	23	1	10/07/11 1:24	CUJ0045	CJ10508
Anthracene	ND (0.363)	35	1	10/07/11 1:24	CUJ0045	CJ10508
Benzo(a)anthracene	ND (0.363)	0.9	1	10/07/11 1:24	CUJ0045	CJ10508
Benzo(a)pyrene	ND (0.182)	0.4	1	10/07/11 1:24	CUJ0045	CJ10508
Benzo(b)fluoranthene	ND (0.363)	0.9	1	10/07/11 1:24	CUJ0045	CJ10508
Benzo(g,h,i)perylene	ND (0.363)	0.8	1	10/07/11 1:24	CUJ0045	CJ10508
Benzo(k)fluoranthene	ND (0.363)	0.9	1	10/07/11 1:24	CUJ0045	CJ10508
Chrysene	ND (0.182)	0.4	1	10/07/11 1:24	CUJ0045	CJ10508
Dibenzo(a,h)Anthracene	ND (0.182)	0.4	1	10/07/11 1:24	CUJ0045	CJ10508
Fluoranthene	ND (0.363)	20	1	10/07/11 1:24	CUJ0045	CJ10508
Fluorene	ND (0.363)	28	1	10/07/11 1:24	CUJ0045	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.363)	0.9	1	10/07/11 1:24	CUJ0045	CJ10508
Naphthalene	ND (0.363)	54	1	10/07/11 1:24	CUJ0045	CJ10508
Phenanthrene	ND (0.363)	40	1	10/07/11 1:24	CUJ0045	CJ10508
Pyrene	ND (0.363)	13	1	10/07/11 1:24	CUJ0045	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*79 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: p-Terphenyl-d14	*103 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-411 0ft-2ft
Date Sampled: 10/03/11 15:03
Percent Solids: 94

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-18
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.2)	6010B	7	1	JP	10/06/11 21:45	2.44	100	CJ10517
Beryllium	**0.31** (0.09)	6010B	0.4	1	JP	10/06/11 21:45	2.44	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-411 0ft-2ft
Date Sampled: 10/03/11 15:03
Percent Solids: 94
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-18
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.372)	123	1	10/06/11 11:23	CUJ0031	CJ10508
Acenaphthene	ND (0.372)	43	1	10/06/11 11:23	CUJ0031	CJ10508
Acenaphthylene	ND (0.372)	23	1	10/06/11 11:23	CUJ0031	CJ10508
Anthracene	ND (0.372)	35	1	10/06/11 11:23	CUJ0031	CJ10508
Benzo(a)anthracene	ND (0.372)	0.9	1	10/06/11 11:23	CUJ0031	CJ10508
Benzo(a)pyrene	ND (0.186)	0.4	1	10/06/11 11:23	CUJ0031	CJ10508
Benzo(b)fluoranthene	ND (0.372)	0.9	1	10/06/11 11:23	CUJ0031	CJ10508
Benzo(g,h,i)perylene	ND (0.372)	0.8	1	10/06/11 11:23	CUJ0031	CJ10508
Benzo(k)fluoranthene	ND (0.372)	0.9	1	10/06/11 11:23	CUJ0031	CJ10508
Chrysene	ND (0.186)	0.4	1	10/06/11 11:23	CUJ0031	CJ10508
Dibenzo(a,h)Anthracene	ND (0.186)	0.4	1	10/06/11 11:23	CUJ0031	CJ10508
Fluoranthene	ND (0.372)	20	1	10/06/11 11:23	CUJ0031	CJ10508
Fluorene	ND (0.372)	28	1	10/06/11 11:23	CUJ0031	CJ10508
Indeno(1,2,3-cd)Pyrene	ND (0.372)	0.9	1	10/06/11 11:23	CUJ0031	CJ10508
Naphthalene	ND (0.372)	54	1	10/06/11 11:23	CUJ0031	CJ10508
Phenanthrene	ND (0.372)	40	1	10/06/11 11:23	CUJ0031	CJ10508
Pyrene	ND (0.372)	13	1	10/06/11 11:23	CUJ0031	CJ10508

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*88 %*		*30-130*
Surrogate: Nitrobenzene-d5	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*99 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-412 0ft-2ft
Date Sampled: 10/03/11 15:10
Percent Solids: 95

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-19
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.6)	6010B	7	1	JP	10/06/11 21:49	2.03	100	CJ10517
Beryllium	**0.28** (0.11)	6010B	0.4	1	JP	10/06/11 21:49	2.03	100	CJ10517

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-412 0ft-2ft
Date Sampled: 10/03/11 15:10
Percent Solids: 95
Initial Volume: 14.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110015
ESS Laboratory Sample ID: 1110015-19
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.365)	123	1	10/07/11 1:54	CUJ0045	CJ10514
Acenaphthene	ND (0.365)	43	1	10/07/11 1:54	CUJ0045	CJ10514
Acenaphthylene	ND (0.365)	23	1	10/07/11 1:54	CUJ0045	CJ10514
Anthracene	ND (0.365)	35	1	10/07/11 1:54	CUJ0045	CJ10514
Benzo(a)anthracene	ND (0.365)	0.9	1	10/07/11 1:54	CUJ0045	CJ10514
Benzo(a)pyrene	ND (0.183)	0.4	1	10/07/11 1:54	CUJ0045	CJ10514
Benzo(b)fluoranthene	ND (0.365)	0.9	1	10/07/11 1:54	CUJ0045	CJ10514
Benzo(g,h,i)perylene	ND (0.365)	0.8	1	10/07/11 1:54	CUJ0045	CJ10514
Benzo(k)fluoranthene	ND (0.365)	0.9	1	10/07/11 1:54	CUJ0045	CJ10514
Chrysene	ND (0.183)	0.4	1	10/07/11 1:54	CUJ0045	CJ10514
Dibenzo(a,h)Anthracene	ND (0.183)	0.4	1	10/07/11 1:54	CUJ0045	CJ10514
Fluoranthene	ND (0.365)	20	1	10/07/11 1:54	CUJ0045	CJ10514
Fluorene	ND (0.365)	28	1	10/07/11 1:54	CUJ0045	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.365)	0.9	1	10/07/11 1:54	CUJ0045	CJ10514
Naphthalene	ND (0.365)	54	1	10/07/11 1:54	CUJ0045	CJ10514
Phenanthrene	ND (0.365)	40	1	10/07/11 1:54	CUJ0045	CJ10514
Pyrene	ND (0.365)	13	1	10/07/11 1:54	CUJ0045	CJ10514

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*88 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*88 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*107 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110015

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch CJ10517 - 3050B										
Blank										
Antimony	ND	5.0	mg/kg wet							
Arsenic	ND	2.5	mg/kg wet							
Beryllium	ND	0.10	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.0	mg/kg wet							
Copper	ND	2.5	mg/kg wet							
Lead	ND	5.0	mg/kg wet							
Nickel	ND	2.5	mg/kg wet							
Selenium	ND	5.0	mg/kg wet							
Thallium	ND	0.25	mg/kg wet							
Zinc	ND	2.5	mg/kg wet							
LCS										
Arsenic	89.6	8.8	mg/kg wet	109.0		82	80-120			
Beryllium	74.2	0.37	mg/kg wet	88.20		84	80-120			
Cadmium	64.2	1.76	mg/kg wet	80.20		80	80-120			
Chromium	97.7	3.5	mg/kg wet	117.0		83	80-120			
Copper	97.7	8.8	mg/kg wet	117.0		83	80-120			
Lead	66.6	17.6	mg/kg wet	76.20		87	80-120			
Nickel	58.2	8.8	mg/kg wet	71.20		82	80-120			
Selenium	99.2	17.6	mg/kg wet	127.0		78	80-120			B-
Thallium	264	43.4	mg/kg wet	266.0		99	80-120			
LCS Dup										
Arsenic	90.8	8.8	mg/kg wet	109.0		83	80-120	1	20	
Beryllium	74.2	0.37	mg/kg wet	88.20		84	80-120	0.04	20	
Cadmium	65.3	1.76	mg/kg wet	80.20		81	80-120	2	20	
Chromium	97.7	3.5	mg/kg wet	117.0		84	80-120	0.09	20	
Copper	98.2	8.8	mg/kg wet	117.0		84	80-120	0.5	20	
Lead	64.2	17.6	mg/kg wet	76.20		84	80-120	4	20	
Nickel	58.1	8.8	mg/kg wet	71.20		82	80-120	0.2	20	
Selenium	106	17.6	mg/kg wet	127.0		84	80-120	7	20	
Thallium	251	43.4	mg/kg wet	266.0		94	80-120	5	20	
Duplicate **Source: 1110015-10**										
Arsenic	1.15	4.1	mg/kg dry		1.52			28	35	
Beryllium	0.530	0.17	mg/kg dry		0.511			4	35	
Duplicate **Source: 1110015-19**										
Arsenic	0.555	2.2	mg/kg dry		0.457			19	35	
Beryllium	0.298	0.09	mg/kg dry		0.283			5	35	
Matrix Spike **Source: 1110015-10**										
Arsenic	19.8	5.2	mg/kg dry	25.84	1.52	71	75-125			M-
Beryllium	2.61	0.22	mg/kg dry	2.584	0.511	81	75-125			
Matrix Spike **Source: 1110015-19**										
Arsenic	17.2	2.4	mg/kg dry	24.14	0.457	69	75-125			M-
Beryllium	2.18	0.10	mg/kg dry	2.414	0.283	79	75-125			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110015

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch CJ10518 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	9.67	0.811	mg/kg wet	8.610		112	80-120			
LCS Dup										
Mercury	10.2	0.750	mg/kg wet	8.610		118	80-120	5	20	
Duplicate **Source: 1110015-04**										
Mercury	ND	0.031	mg/kg dry		0.0096			200	35	
Matrix Spike **Source: 1110015-04**										
Mercury	0.211	0.032	mg/kg dry	0.1914	0.0096	105	75-125			
Batch CJ11223 - 3050B										
Blank										
Silver	ND	0.50	mg/kg wet							
LCS										
Silver	39.5	1.97	mg/kg wet	41.10		96	80-120			
LCS Dup										
Silver	40.6	1.83	mg/kg wet	41.10		99	80-120	3	20	
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10508 - 3546										
Blank										
2-Methylnaphthalene	ND	0.333	mg/kg wet							
Acenaphthene	ND	0.333	mg/kg wet							
Acenaphthylene	ND	0.333	mg/kg wet							
Anthracene	ND	0.333	mg/kg wet							
Benzo(a)anthracene	ND	0.333	mg/kg wet							
Benzo(a)pyrene	ND	0.167	mg/kg wet							
Benzo(b)fluoranthene	ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.333	mg/kg wet							
Benzo(k)fluoranthene	ND	0.333	mg/kg wet							
Chrysene	ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.167	mg/kg wet							
Fluoranthene	ND	0.333	mg/kg wet							
Fluorene	ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.333	mg/kg wet							
Naphthalene	ND	0.333	mg/kg wet							
Phenanthrene	ND	0.333	mg/kg wet							
Pyrene	ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.87*		mg/kg wet	*3.333*		*86*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.09*		mg/kg wet	*3.333*		*93*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.68*		mg/kg wet	*3.333*		*80*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.32*		mg/kg wet	*3.333*		*100*	*30-130*			
LCS										

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110015

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10508 - 3546										
2-Methylnaphthalene	2.59	0.333	mg/kg wet	3.333		78	40-140			
Acenaphthene	2.44	0.333	mg/kg wet	3.333		73	40-140			
Acenaphthylene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Anthracene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Benzo(a)anthracene	2.72	0.333	mg/kg wet	3.333		82	40-140			
Benzo(a)pyrene	2.75	0.167	mg/kg wet	3.333		82	40-140			
Benzo(b)fluoranthene	2.79	0.333	mg/kg wet	3.333		84	40-140			
Benzo(g,h,i)perylene	2.84	0.333	mg/kg wet	3.333		85	40-140			
Benzo(k)fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140			
Chrysene	2.68	0.167	mg/kg wet	3.333		80	40-140			
Dibenzo(a,h)Anthracene	2.94	0.167	mg/kg wet	3.333		88	40-140			
Fluoranthene	2.80	0.333	mg/kg wet	3.333		84	40-140			
Fluorene	2.45	0.333	mg/kg wet	3.333		74	40-140			
Indeno(1,2,3-cd)Pyrene	2.88	0.333	mg/kg wet	3.333		86	40-140			
Naphthalene	2.51	0.333	mg/kg wet	3.333		75	40-140			
Phenanthrene	2.67	0.333	mg/kg wet	3.333		80	40-140			
Pyrene	2.73	0.333	mg/kg wet	3.333		82	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.57*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.97*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.55*		mg/kg wet	*3.333*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.04*		mg/kg wet	*3.333*		*91*	*30-130*			
LCS Dup										
2-Methylnaphthalene	2.72	0.333	mg/kg wet	3.333		82	40-140	5	30	
Acenaphthene	2.51	0.333	mg/kg wet	3.333		75	40-140	3	30	
Acenaphthylene	2.76	0.333	mg/kg wet	3.333		83	40-140	1	30	
Anthracene	2.75	0.333	mg/kg wet	3.333		83	40-140	3	30	
Benzo(a)anthracene	2.81	0.333	mg/kg wet	3.333		84	40-140	3	30	
Benzo(a)pyrene	2.80	0.167	mg/kg wet	3.333		84	40-140	2	30	
Benzo(b)fluoranthene	3.00	0.333	mg/kg wet	3.333		90	40-140	7	30	
Benzo(g,h,i)perylene	2.96	0.333	mg/kg wet	3.333		89	40-140	4	30	
Benzo(k)fluoranthene	2.82	0.333	mg/kg wet	3.333		85	40-140	2	30	
Chrysene	2.72	0.167	mg/kg wet	3.333		81	40-140	1	30	
Dibenzo(a,h)Anthracene	3.05	0.167	mg/kg wet	3.333		91	40-140	3	30	
Fluoranthene	2.89	0.333	mg/kg wet	3.333		87	40-140	3	30	
Fluorene	2.55	0.333	mg/kg wet	3.333		76	40-140	4	30	
Indeno(1,2,3-cd)Pyrene	3.00	0.333	mg/kg wet	3.333		90	40-140	4	30	
Naphthalene	2.56	0.333	mg/kg wet	3.333		77	40-140	2	30	
Phenanthrene	2.68	0.333	mg/kg wet	3.333		80	40-140	0.4	30	
Pyrene	2.72	0.333	mg/kg wet	3.333		82	40-140	0.4	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.85*		mg/kg wet	*3.333*		*85*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.98*		mg/kg wet	*3.333*		*89*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.62*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.22*		mg/kg wet	*3.333*		*97*	*30-130*			
Matrix Spike **Source: 1110015-18**										
2-Methylnaphthalene	2.37	0.364	mg/kg dry	3.643	ND	65	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110015

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10508 - 3546										
Acenaphthene	2.20	0.364	mg/kg dry	3.643	ND	60	40-140			
Acenaphthylene	2.42	0.364	mg/kg dry	3.643	ND	66	40-140			
Anthracene	2.50	0.364	mg/kg dry	3.643	ND	69	40-140			
Benzo(a)anthracene	2.38	0.364	mg/kg dry	3.643	ND	65	40-140			
Benzo(a)pyrene	2.37	0.183	mg/kg dry	3.643	ND	65	40-140			
Benzo(b)fluoranthene	2.65	0.364	mg/kg dry	3.643	ND	73	40-140			
Benzo(g,h,i)perylene	2.38	0.364	mg/kg dry	3.643	ND	65	40-140			
Benzo(k)fluoranthene	2.15	0.364	mg/kg dry	3.643	ND	59	40-140			
Chrysene	2.35	0.183	mg/kg dry	3.643	ND	64	40-140			
Dibenzo(a,h)Anthracene	2.50	0.183	mg/kg dry	3.643	ND	69	40-140			
Fluoranthene	2.68	0.364	mg/kg dry	3.643	ND	73	40-140			
Fluorene	2.37	0.364	mg/kg dry	3.643	ND	65	40-140			
Indeno(1,2,3-cd)Pyrene	2.47	0.364	mg/kg dry	3.643	ND	68	40-140			
Naphthalene	2.18	0.364	mg/kg dry	3.643	ND	60	40-140			
Phenanthrene	2.61	0.364	mg/kg dry	3.643	ND	72	40-140			
Pyrene	2.42	0.364	mg/kg dry	3.643	ND	66	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.38*		mg/kg dry	*3.643*		*65*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.48*		mg/kg dry	*3.643*		*68*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.54*		mg/kg dry	*3.643*		*70*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.71*		mg/kg dry	*3.643*		*74*	*30-130*			
Matrix Spike Dup **Source: 1110015-18**										
2-Methylnaphthalene	2.85	0.366	mg/kg dry	3.668	ND	78	40-140	18	30	
Acenaphthene	2.70	0.366	mg/kg dry	3.668	ND	74	40-140	20	30	
Acenaphthylene	2.97	0.366	mg/kg dry	3.668	ND	81	40-140	20	30	
Anthracene	3.01	0.366	mg/kg dry	3.668	ND	82	40-140	19	30	
Benzo(a)anthracene	2.98	0.366	mg/kg dry	3.668	ND	81	40-140	22	30	
Benzo(a)pyrene	2.94	0.184	mg/kg dry	3.668	ND	80	40-140	22	30	
Benzo(b)fluoranthene	3.27	0.366	mg/kg dry	3.668	ND	89	40-140	21	30	
Benzo(g,h,i)perylene	3.19	0.366	mg/kg dry	3.668	ND	87	40-140	29	30	
Benzo(k)fluoranthene	2.63	0.366	mg/kg dry	3.668	ND	72	40-140	20	30	
Chrysene	2.94	0.184	mg/kg dry	3.668	ND	80	40-140	22	30	
Dibenzo(a,h)Anthracene	3.26	0.184	mg/kg dry	3.668	ND	89	40-140	26	30	
Fluoranthene	3.12	0.366	mg/kg dry	3.668	ND	85	40-140	15	30	
Fluorene	2.78	0.366	mg/kg dry	3.668	ND	76	40-140	16	30	
Indeno(1,2,3-cd)Pyrene	3.21	0.366	mg/kg dry	3.668	ND	88	40-140	26	30	
Naphthalene	2.71	0.366	mg/kg dry	3.668	ND	74	40-140	22	30	
Phenanthrene	2.99	0.366	mg/kg dry	3.668	ND	82	40-140	14	30	
Pyrene	3.02	0.366	mg/kg dry	3.668	ND	82	40-140	22	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.70*		mg/kg dry	*3.668*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.23*		mg/kg dry	*3.668*		*88*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.74*		mg/kg dry	*3.668*		*75*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.49*		mg/kg dry	*3.668*		*95*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail ESS Laboratory Work Order: 1110015

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution/matrix is present) (SM).
M-	Matrix Spike recovery is below lower control limit (M-).
IM	Internal Standard(s) outside of criteria due to matrix (UCM/coelution is present) (IM).
D	Diluted.
B-	Blank Spike recovery is below lower control limit (B-).
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110015

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
http://www.a2la.org/scopepdf/2864-01.pdf

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

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

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

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

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

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

United States Department of Agriculture Soil Permit: S-54210

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

CHEMISTRY

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

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

Sample and Cooler Receipt Checklist

Client: Vanasse Hangen Brustlin, Inc.
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 11100015
Date Project Due: 10/10/11
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **4.5**		16. Are ESS labels on correct containers?	Yes|No
Iced With: **Ice**		17. Were samples received intact?	Yes|No
6. Was COC included with samples?	Yes	ESS Sample IDs:	
7. Was COC signed and dated by client?	Yes	Sub Lab:	
8. Does the COC match the sample	Yes	Analysis:	
9. Is COC complete and correct?	Yes	TAT:	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?:_____ By whom? _____

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

Completed By: MK Date/Time: 10/3/11

Reviewed By: _____ Date/Time: 10/3/11

ESS Laboratory

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

CHAIN OF CUSTODY

1 of 2

Page 5 of 6

Turn Time: 1 Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:
MA-MCP Navy USACE Other NA

Reporting Limits: RIDEMRDEC

ESS LAB PROJECT ID: 1110015

Electronic Deliverable: Yes ✓ No ____

Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St, Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	PP13 Metals	Total Arsenic	Total Beryllium
01	10-3-11	11:50	X		S	SB-201 0'-2'	1	1	G	X	X		
02		11:40				SB-202 0'-2'				X	X		
03		12:00				SB-203 0'-2'				X	X		
04		11:54				SB-204 0'-2'				X	X		
05		13:27				SB-301 0'-2'						X	X
06		13:35				SB-302 0'-2'						X	X
07		13:36				SB-303 0'-2'						X	X
08		14:10				SB-401 0'-2'				X		X	X
09		14:07				SB-402 0'-2'				X		X	X
10		14:20				SB-403 0'-2'				X		X	X

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: ✓ Yes ___ No

Seals Intact: ___ Yes ___ No NA: X

Cooler Temp: 4.5 ; ice

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK/CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	10-3-11 16:28	Chad Kilva	10/3/11 1628				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

ESS Laboratory

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

CHAIN OF CUSTODY

Turn Time: 1 Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:
MA-MCP Navy USACE Other NA

Reporting Limits: RIDEM RDEC

ESS LAB PROJECT ID: 1110015

Electronic Deliverable: Yes 1 No ____

Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St, Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@VHB.com EMassa@VHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	Total Arsenic	Total Beryllium
11	10-3-11	14:17	X		S	SB-404 0-2"	1	1	G	X	X	X
12	"	14:27	"		"	SB-405 0-2"	"	"	"	"	"	"
13	"	14:39	"		"	SB-406 0-2"	"	"	"	"	"	"
14	"	14:48	"		"	SB-407 0-2"	"	"	"	"	"	"
15	"	14:48	"		"	SB-408 0-2"	"	"	"	"	"	"
16	"	14:55	"		"	SB-409 0-2"	"	"	"	"	"	"
17	"	14:57	"		"	SB-410 0-2"	"	"	"	"	"	"
18	"	15:03	"		"	SB-411 0-2"	"	"	"	"	"	"
19	"	15:10	"		"	SB-412 0-2"	"	"	"	"	"	"

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: X Yes ___ No

Seals Intact: ___ Yes ___ No NA: X

Cooler Temp: 4.5 IC

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK / CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-3-11 16:28	[signature]	10/3/11 1628				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

CERTIFICATE OF ANALYSIS

Josh Klement
Vanasse Hangen Brustlin, Inc.
10 Dorrance Street, Suite 400
Providence, RI 02903

RE: Trestle Trail (72016.1)
ESS Laboratory Work Order Number: 1110025

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

Laurel Stoddard
Laboratory Director

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

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110025

SAMPLE RECEIPT

The following samples were received on October 04, 2011 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1110025-01	SB-501 0ft-2ft	Soil	6010B, 8270C
1110025-02	SB-502 0ft-2ft	Soil	6010B, 8270C
1110025-03	SB-503 0ft-2ft	Soil	6010B, 8270C
1110025-04	SB-504 0ft-2ft	Soil	6010B, 8270C
1110025-05	SB-506 0ft-2ft	Soil	6010B, 8270C
1110025-06	SB-507 0ft-2ft	Soil	6010B, 8270C
1110025-07	SB-508 0ft-2ft	Soil	6010B, 8270C
1110025-08	SB-509 0ft-2ft	Soil	6010B, 8270C

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110025

PROJECT NARRATIVE

3050B/6000/7000 Total Metals
CJ10619-MS1 **Due to high target values, matrix spike compound(s) is masked (MT).**
Arsenic (59% @ 75-125%)

8270C Polynuclear Aromatic Hydrocarbons
CJ10514-MSD1 **Internal Standard(s) outside of criteria (I).**
Acenaphthene-d10 (49% @ 50-200%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-501 0ft-2ft
Date Sampled: 10/04/11 10:29
Percent Solids: 90

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**2.5** (2.4)	6010B	7	1	JP	10/07/11 0:19	2.34	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-501 0ft-2ft
Date Sampled: 10/04/11 10:29
Percent Solids: 90
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: ML
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.363)	123	1	10/07/11 2:24	CUJ0045	CJ10514
Acenaphthene	ND (0.363)	43	1	10/07/11 2:24	CUJ0045	CJ10514
Acenaphthylene	ND (0.363)	23	1	10/07/11 2:24	CUJ0045	CJ10514
Anthracene	ND (0.363)	35	1	10/07/11 2:24	CUJ0045	CJ10514
Benzo(a)anthracene	ND (0.363)	0.9	1	10/07/11 2:24	CUJ0045	CJ10514
Benzo(a)pyrene	ND (0.182)	0.4	1	10/07/11 2:24	CUJ0045	CJ10514
Benzo(b)fluoranthene	ND (0.363)	0.9	1	10/07/11 2:24	CUJ0045	CJ10514
Benzo(g,h,i)perylene	ND (0.363)	0.8	1	10/07/11 2:24	CUJ0045	CJ10514
Benzo(k)fluoranthene	ND (0.363)	0.9	1	10/07/11 2:24	CUJ0045	CJ10514
Chrysene	ND (0.182)	0.4	1	10/07/11 2:24	CUJ0045	CJ10514
Dibenzo(a,h)Anthracene	ND (0.182)	0.4	1	10/07/11 2:24	CUJ0045	CJ10514
Fluoranthene	ND (0.363)	20	1	10/07/11 2:24	CUJ0045	CJ10514
Fluorene	ND (0.363)	28	1	10/07/11 2:24	CUJ0045	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.363)	0.9	1	10/07/11 2:24	CUJ0045	CJ10514
Naphthalene	ND (0.363)	54	1	10/07/11 2:24	CUJ0045	CJ10514
Phenanthrene	ND (0.363)	40	1	10/07/11 2:24	CUJ0045	CJ10514
Pyrene	ND (0.363)	13	1	10/07/11 2:24	CUJ0045	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*86 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*103 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-502 0ft-2ft
Date Sampled: 10/04/11 10:37
Percent Solids: 92

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.5)	6010B	7	1	JP	10/07/11 0:23	2.13	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-502 0ft-2ft
Date Sampled: 10/04/11 10:37
Percent Solids: 92
Initial Volume: 14.5
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.374)	123	1	10/07/11 15:41	CUJ0041	CJ10514
Acenaphthene	ND (0.374)	43	1	10/07/11 15:41	CUJ0041	CJ10514
Acenaphthylene	ND (0.374)	23	1	10/07/11 15:41	CUJ0041	CJ10514
Anthracene	ND (0.374)	35	1	10/07/11 15:41	CUJ0041	CJ10514
Benzo(a)anthracene	ND (0.374)	0.9	1	10/07/11 15:41	CUJ0041	CJ10514
Benzo(a)pyrene	ND (0.188)	0.4	1	10/07/11 15:41	CUJ0041	CJ10514
Benzo(b)fluoranthene	ND (0.374)	0.9	1	10/07/11 15:41	CUJ0041	CJ10514
Benzo(g,h,i)perylene	ND (0.374)	0.8	1	10/07/11 15:41	CUJ0041	CJ10514
Benzo(k)fluoranthene	ND (0.374)	0.9	1	10/07/11 15:41	CUJ0041	CJ10514
Chrysene	ND (0.188)	0.4	1	10/07/11 15:41	CUJ0041	CJ10514
Dibenzo(a,h)Anthracene	ND (0.188)	0.4	1	10/07/11 15:41	CUJ0041	CJ10514
Fluoranthene	ND (0.374)	20	1	10/07/11 15:41	CUJ0041	CJ10514
Fluorene	ND (0.374)	28	1	10/07/11 15:41	CUJ0041	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.374)	0.9	1	10/07/11 15:41	CUJ0041	CJ10514
Naphthalene	ND (0.374)	54	1	10/07/11 15:41	CUJ0041	CJ10514
Phenanthrene	ND (0.374)	40	1	10/07/11 15:41	CUJ0041	CJ10514
Pyrene	ND (0.374)	13	1	10/07/11 15:41	CUJ0041	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*80 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*84 %*		*30-130*
Surrogate: Nitrobenzene-d5	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*102 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-503 0ft-2ft
Date Sampled: 10/04/11 10:45
Percent Solids: 91

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.7)	6010B	7	1	JP	10/07/11 18:51	2.04	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-503 0ft-2ft
Date Sampled: 10/04/11 10:45
Percent Solids: 91
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.384)	123	1	10/07/11 16:11	CUJ0041	CJ10514
Acenaphthene	ND (0.384)	43	1	10/07/11 16:11	CUJ0041	CJ10514
Acenaphthylene	ND (0.384)	23	1	10/07/11 16:11	CUJ0041	CJ10514
Anthracene	ND (0.384)	35	1	10/07/11 16:11	CUJ0041	CJ10514
Benzo(a)anthracene	ND (0.384)	0.9	1	10/07/11 16:11	CUJ0041	CJ10514
Benzo(a)pyrene	ND (0.192)	0.4	1	10/07/11 16:11	CUJ0041	CJ10514
Benzo(b)fluoranthene	ND (0.384)	0.9	1	10/07/11 16:11	CUJ0041	CJ10514
Benzo(g,h,i)perylene	ND (0.384)	0.8	1	10/07/11 16:11	CUJ0041	CJ10514
Benzo(k)fluoranthene	ND (0.384)	0.9	1	10/07/11 16:11	CUJ0041	CJ10514
Chrysene	ND (0.192)	0.4	1	10/07/11 16:11	CUJ0041	CJ10514
Dibenzo(a,h)Anthracene	ND (0.192)	0.4	1	10/07/11 16:11	CUJ0041	CJ10514
Fluoranthene	ND (0.384)	20	1	10/07/11 16:11	CUJ0041	CJ10514
Fluorene	ND (0.384)	28	1	10/07/11 16:11	CUJ0041	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.384)	0.9	1	10/07/11 16:11	CUJ0041	CJ10514
Naphthalene	ND (0.384)	54	1	10/07/11 16:11	CUJ0041	CJ10514
Phenanthrene	ND (0.384)	40	1	10/07/11 16:11	CUJ0041	CJ10514
Pyrene	ND (0.384)	13	1	10/07/11 16:11	CUJ0041	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*75 %*		*30-130*
Surrogate: Nitrobenzene-d5	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*94 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-504 0ft-2ft
Date Sampled: 10/04/11 10:55
Percent Solids: 93

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.6** (2.3)	6010B	7	1	JP	10/07/11 0:32	2.35	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-504 0ft-2ft
Date Sampled: 10/04/11 10:55
Percent Solids: 93
Initial Volume: 14.6
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.368)	123	1	10/07/11 16:42	CUJ0041	CJ10514
Acenaphthene	ND (0.368)	43	1	10/07/11 16:42	CUJ0041	CJ10514
Acenaphthylene	ND (0.368)	23	1	10/07/11 16:42	CUJ0041	CJ10514
Anthracene	ND (0.368)	35	1	10/07/11 16:42	CUJ0041	CJ10514
Benzo(a)anthracene	ND (0.368)	0.9	1	10/07/11 16:42	CUJ0041	CJ10514
Benzo(a)pyrene	ND (0.184)	0.4	1	10/07/11 16:42	CUJ0041	CJ10514
Benzo(b)fluoranthene	ND (0.368)	0.9	1	10/07/11 16:42	CUJ0041	CJ10514
Benzo(g,h,i)perylene	ND (0.368)	0.8	1	10/07/11 16:42	CUJ0041	CJ10514
Benzo(k)fluoranthene	ND (0.368)	0.9	1	10/07/11 16:42	CUJ0041	CJ10514
Chrysene	**0.209** (0.184)	0.4	1	10/07/11 16:42	CUJ0041	CJ10514
Dibenzo(a,h)Anthracene	ND (0.184)	0.4	1	10/07/11 16:42	CUJ0041	CJ10514
Fluoranthene	ND (0.368)	20	1	10/07/11 16:42	CUJ0041	CJ10514
Fluorene	ND (0.368)	28	1	10/07/11 16:42	CUJ0041	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.368)	0.9	1	10/07/11 16:42	CUJ0041	CJ10514
Naphthalene	ND (0.368)	54	1	10/07/11 16:42	CUJ0041	CJ10514
Phenanthrene	ND (0.368)	40	1	10/07/11 16:42	CUJ0041	CJ10514
Pyrene	ND (0.368)	13	1	10/07/11 16:42	CUJ0041	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*81 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*97 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-506 0ft-2ft
Date Sampled: 10/04/11 11:09
Percent Solids: 93

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**8.6** (2.4)	6010B	7	1	JP	10/07/11 0:36	2.21	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-506 0ft-2ft
Date Sampled: 10/04/11 11:09
Percent Solids: 93
Initial Volume: 14.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.365)	123	1	10/07/11 17:12	CUJ0041	CJ10514
Acenaphthene	ND (0.365)	43	1	10/07/11 17:12	CUJ0041	CJ10514
Acenaphthylene	ND (0.365)	23	1	10/07/11 17:12	CUJ0041	CJ10514
Anthracene	ND (0.365)	35	1	10/07/11 17:12	CUJ0041	CJ10514
Benzo(a)anthracene	ND (0.365)	0.9	1	10/07/11 17:12	CUJ0041	CJ10514
Benzo(a)pyrene	**0.344** (0.183)	0.4	1	10/07/11 17:12	CUJ0041	CJ10514
Benzo(b)fluoranthene	**0.857** (0.365)	0.9	1	10/07/11 17:12	CUJ0041	CJ10514
Benzo(g,h,i)perylene	ND (0.365)	0.8	1	10/07/11 17:12	CUJ0041	CJ10514
Benzo(k)fluoranthene	ND (0.365)	0.9	1	10/07/11 17:12	CUJ0041	CJ10514
Chrysene	**0.567** (0.183)	0.4	1	10/07/11 17:12	CUJ0041	CJ10514
Dibenzo(a,h)Anthracene	ND (0.183)	0.4	1	10/07/11 17:12	CUJ0041	CJ10514
Fluoranthene	**0.745** (0.365)	20	1	10/07/11 17:12	CUJ0041	CJ10514
Fluorene	ND (0.365)	28	1	10/07/11 17:12	CUJ0041	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.365)	0.9	1	10/07/11 17:12	CUJ0041	CJ10514
Naphthalene	ND (0.365)	54	1	10/07/11 17:12	CUJ0041	CJ10514
Phenanthrene	ND (0.365)	40	1	10/07/11 17:12	CUJ0041	CJ10514
Pyrene	**0.633** (0.365)	13	1	10/07/11 17:12	CUJ0041	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*71 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*78 %*		*30-130*
Surrogate: Nitrobenzene-d5	*65 %*		*30-130*
Surrogate: p-Terphenyl-d14	*98 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-507 0ft-2ft
Date Sampled: 10/04/11 11:15
Percent Solids: 94

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.6** (2.4)	6010B	7	1	JP	10/07/11 0:48	2.22	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-507 0ft-2ft
Date Sampled: 10/04/11 11:15
Percent Solids: 94
Initial Volume: 14.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.359)	123	1	10/07/11 17:42	CUJ0041	CJ10514
Acenaphthene	ND (0.359)	43	1	10/07/11 17:42	CUJ0041	CJ10514
Acenaphthylene	ND (0.359)	23	1	10/07/11 17:42	CUJ0041	CJ10514
Anthracene	ND (0.359)	35	1	10/07/11 17:42	CUJ0041	CJ10514
Benzo(a)anthracene	ND (0.359)	0.9	1	10/07/11 17:42	CUJ0041	CJ10514
Benzo(a)pyrene	ND (0.180)	0.4	1	10/07/11 17:42	CUJ0041	CJ10514
Benzo(b)fluoranthene	ND (0.359)	0.9	1	10/07/11 17:42	CUJ0041	CJ10514
Benzo(g,h,i)perylene	ND (0.359)	0.8	1	10/07/11 17:42	CUJ0041	CJ10514
Benzo(k)fluoranthene	ND (0.359)	0.9	1	10/07/11 17:42	CUJ0041	CJ10514
Chrysene	ND (0.180)	0.4	1	10/07/11 17:42	CUJ0041	CJ10514
Dibenzo(a,h)Anthracene	ND (0.180)	0.4	1	10/07/11 17:42	CUJ0041	CJ10514
Fluoranthene	ND (0.359)	20	1	10/07/11 17:42	CUJ0041	CJ10514
Fluorene	ND (0.359)	28	1	10/07/11 17:42	CUJ0041	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.359)	0.9	1	10/07/11 17:42	CUJ0041	CJ10514
Naphthalene	ND (0.359)	54	1	10/07/11 17:42	CUJ0041	CJ10514
Phenanthrene	ND (0.359)	40	1	10/07/11 17:42	CUJ0041	CJ10514
Pyrene	ND (0.359)	13	1	10/07/11 17:42	CUJ0041	CJ10514

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*82 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*84 %*		*30-130*
Surrogate: Nitrobenzene-d5	*75 %*		*30-130*
Surrogate: p-Terphenyl-d14	*100 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-508 0ft-2ft
Date Sampled: 10/04/11 11:27
Percent Solids: 93

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**4.6** (2.6)	6010B	7	1	JP	10/07/11 18:55	2.07	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-508 0ft-2ft
Date Sampled: 10/04/11 11:27
Percent Solids: 93
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.349)	123	1	10/07/11 18:12	CUJ0041	CJ10514
Acenaphthene	ND (0.349)	43	1	10/07/11 18:12	CUJ0041	CJ10514
Acenaphthylene	ND (0.349)	23	1	10/07/11 18:12	CUJ0041	CJ10514
Anthracene	ND (0.349)	35	1	10/07/11 18:12	CUJ0041	CJ10514
Benzo(a)anthracene	ND (0.349)	0.9	1	10/07/11 18:12	CUJ0041	CJ10514
Benzo(a)pyrene	**0.213** (0.175)	0.4	1	10/07/11 18:12	CUJ0041	CJ10514
Benzo(b)fluoranthene	**0.550** (0.349)	0.9	1	10/07/11 18:12	CUJ0041	CJ10514
Benzo(g,h,i)perylene	ND (0.349)	0.8	1	10/07/11 18:12	CUJ0041	CJ10514
Benzo(k)fluoranthene	ND (0.349)	0.9	1	10/07/11 18:12	CUJ0041	CJ10514
Chrysene	**0.294** (0.175)	0.4	1	10/07/11 18:12	CUJ0041	CJ10514
Dibenzo(a,h)Anthracene	ND (0.175)	0.4	1	10/07/11 18:12	CUJ0041	CJ10514
Fluoranthene	ND (0.349)	20	1	10/07/11 18:12	CUJ0041	CJ10514
Fluorene	ND (0.349)	28	1	10/07/11 18:12	CUJ0041	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.349)	0.9	1	10/07/11 18:12	CUJ0041	CJ10514
Naphthalene	ND (0.349)	54	1	10/07/11 18:12	CUJ0041	CJ10514
Phenanthrene	ND (0.349)	40	1	10/07/11 18:12	CUJ0041	CJ10514
Pyrene	ND (0.349)	13	1	10/07/11 18:12	CUJ0041	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*73 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*82 %*		*30-130*
Surrogate: Nitrobenzene-d5	*71 %*		*30-130*
Surrogate: p-Terphenyl-d14	*96 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-509 0ft-2ft
Date Sampled: 10/04/11 11:35
Percent Solids: 92

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**14.4** (2.6)	6010B	7	1	JP	10/07/11 0:56	2.12	100	CJ10619

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-509 0ft-2ft
Date Sampled: 10/04/11 11:35
Percent Solids: 92
Initial Volume: 15.8
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110025
ESS Laboratory Sample ID: 1110025-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/5/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.344)	123	1	10/07/11 18:42	CUJ0041	CJ10514
Acenaphthene	ND (0.344)	43	1	10/07/11 18:42	CUJ0041	CJ10514
Acenaphthylene	ND (0.344)	23	1	10/07/11 18:42	CUJ0041	CJ10514
Anthracene	ND (0.344)	35	1	10/07/11 18:42	CUJ0041	CJ10514
Benzo(a)anthracene	ND (0.344)	0.9	1	10/07/11 18:42	CUJ0041	CJ10514
Benzo(a)pyrene	ND (0.172)	0.4	1	10/07/11 18:42	CUJ0041	CJ10514
Benzo(b)fluoranthene	ND (0.344)	0.9	1	10/07/11 18:42	CUJ0041	CJ10514
Benzo(g,h,i)perylene	ND (0.344)	0.8	1	10/07/11 18:42	CUJ0041	CJ10514
Benzo(k)fluoranthene	ND (0.344)	0.9	1	10/07/11 18:42	CUJ0041	CJ10514
Chrysene	ND (0.172)	0.4	1	10/07/11 18:42	CUJ0041	CJ10514
Dibenzo(a,h)Anthracene	ND (0.172)	0.4	1	10/07/11 18:42	CUJ0041	CJ10514
Fluoranthene	ND (0.344)	20	1	10/07/11 18:42	CUJ0041	CJ10514
Fluorene	ND (0.344)	28	1	10/07/11 18:42	CUJ0041	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.344)	0.9	1	10/07/11 18:42	CUJ0041	CJ10514
Naphthalene	ND (0.344)	54	1	10/07/11 18:42	CUJ0041	CJ10514
Phenanthrene	ND (0.344)	40	1	10/07/11 18:42	CUJ0041	CJ10514
Pyrene	ND (0.344)	13	1	10/07/11 18:42	CUJ0041	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*75 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*82 %*		*30-130*
Surrogate: Nitrobenzene-d5	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*97 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch CJ10619 - 3050B										
Blank										
Arsenic	ND	2.5	mg/kg wet							
LCS										
Arsenic	93.5	9.4	mg/kg wet	109.0		86	80-120			
LCS Dup										
Arsenic	97.3	9.1	mg/kg wet	109.0		89	80-120	4	20	
Duplicate **Source: 1110025-08**										
Arsenic	11.7	2.5	mg/kg dry		14.4			21	35	
Matrix Spike **Source: 1110025-08**										
Arsenic	28.6	2.4	mg/kg dry	24.15	14.4	59	75-125			MT
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10514 - 3546										
Matrix Spike **Source: 1110025-08**										
2-Methylnaphthalene	2.70	0.369	mg/kg dry	3.697	ND	73	40-140			
Acenaphthene	2.56	0.369	mg/kg dry	3.697	ND	69	40-140			
Acenaphthylene	2.86	0.369	mg/kg dry	3.697	ND	77	40-140			
Anthracene	2.80	0.369	mg/kg dry	3.697	ND	76	40-140			
Benzo(a)anthracene	2.79	0.369	mg/kg dry	3.697	0.070	74	40-140			
Benzo(a)pyrene	2.81	0.185	mg/kg dry	3.697	0.086	74	40-140			
Benzo(b)fluoranthene	3.12	0.369	mg/kg dry	3.697	0.197	79	40-140			
Benzo(g,h,i)perylene	2.97	0.369	mg/kg dry	3.697	ND	80	40-140			
Benzo(k)fluoranthene	2.87	0.369	mg/kg dry	3.697	ND	78	40-140			
Chrysene	2.76	0.185	mg/kg dry	3.697	0.138	71	40-140			
Dibenzo(a,h)Anthracene	3.00	0.185	mg/kg dry	3.697	ND	81	40-140			
Fluoranthene	3.10	0.369	mg/kg dry	3.697	0.172	79	40-140			
Fluorene	2.72	0.369	mg/kg dry	3.697	ND	74	40-140			
Indeno(1,2,3-cd)Pyrene	3.01	0.369	mg/kg dry	3.697	ND	81	40-140			
Naphthalene	2.53	0.369	mg/kg dry	3.697	ND	68	40-140			
Phenanthrene	2.77	0.369	mg/kg dry	3.697	ND	75	40-140			
Pyrene	2.88	0.369	mg/kg dry	3.697	0.151	74	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.61*		mg/kg dry	*3.697*		*71*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.94*		mg/kg dry	*3.697*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.86*		mg/kg dry	*3.697*		*77*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.19*		mg/kg dry	*3.697*		*86*	*30-130*			
Matrix Spike Dup **Source: 1110025-08**										
2-Methylnaphthalene	2.74	0.364	mg/kg dry	3.648	ND	75	40-140	1	30	
Acenaphthene	2.80	0.364	mg/kg dry	3.648	ND	77	40-140	9	30	
Acenaphthylene	3.08	0.364	mg/kg dry	3.648	ND	84	40-140	7	30	
Anthracene	3.16	0.364	mg/kg dry	3.648	ND	87	40-140	12	30	
Benzo(a)anthracene	3.07	0.364	mg/kg dry	3.648	0.070	82	40-140	9	30	
Benzo(a)pyrene	3.05	0.183	mg/kg dry	3.648	0.086	81	40-140	8	30	
Benzo(b)fluoranthene	3.11	0.364	mg/kg dry	3.648	0.197	80	40-140	0.5	30	
Benzo(g,h,i)perylene	3.25	0.364	mg/kg dry	3.648	ND	89	40-140	9	30	

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110025

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CJ10514 - 3546										
Benzo(k)fluoranthene	3.40	0.364	mg/kg dry	3.648	ND	93	40-140	17	30	
Chrysene	3.09	0.183	mg/kg dry	3.648	0.138	81	40-140	11	30	
Dibenzo(a,h)Anthracene	3.25	0.183	mg/kg dry	3.648	ND	89	40-140	8	30	
Fluoranthene	3.55	0.364	mg/kg dry	3.648	0.172	92	40-140	13	30	
Fluorene	3.04	0.364	mg/kg dry	3.648	ND	83	40-140	11	30	
Indeno(1,2,3-cd)Pyrene	3.24	0.364	mg/kg dry	3.648	ND	89	40-140	7	30	
Naphthalene	2.52	0.364	mg/kg dry	3.648	ND	69	40-140	0.2	30	
Phenanthrene	3.19	0.364	mg/kg dry	3.648	ND	88	40-140	14	30	
Pyrene	3.22	0.364	mg/kg dry	3.648	0.151	84	40-140	11	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.71*		mg/kg dry	*3.648*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*3.04*		mg/kg dry	*3.648*		*83*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.91*		mg/kg dry	*3.648*		*80*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.57*		mg/kg dry	*3.648*		*98*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110025

Notes and Definitions

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

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110025

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
http://www.a2la.org/scopepdf/2864-01.pdf

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

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

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

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

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

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

United States Department of Agriculture Soil Permit: S-54210

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

CHEMISTRY

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

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

Sample and Cooler Receipt Checklist

Client: Vanasse Hangen Brustlin, Inc.
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 11100025
Date Project Due: 10/11/11
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **5.1**		16. Are ESS labels on correct containers?	Yes | No
Iced With: **Ice**		17. Were samples received intact?	Yes | No
6. Was COC included with samples?	Yes	ESS Sample IDs: _____	
7. Was COC signed and dated by client?	Yes	Sub Lab: _____	
8. Does the COC match the sample	Yes	Analysis: _____	
9. Is COC complete and correct?	Yes	TAT: _____	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?:_____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	1	NP
2	Yes	4 oz Soil Jar	1	NP
3	Yes	4 oz Soil Jar	1	NP
4	Yes	4 oz Soil Jar	1	NP
5	Yes	4 oz Soil Jar	1	NP
6	Yes	4 oz Soil Jar	1	NP
7	Yes	4 oz Soil Jar	1	NP
8	Yes	4 oz Soil Jar	1	NP

Completed By: MK Date/Time: 10/4/11

Reviewed By: _____ Date/Time: 10/4/11

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of 1

Turn Time: 1 Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:
MA-MCP Navy USACE Other N/A

Reporting Limits: RIDEM RDEC

ESS LAB PROJECT ID: 111025

Electronic Deliverable: Yes ✓ No ____

Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
UHB	72016.1	Trestle Trail

Contract Person	Address
Joshua Klement	10 Dorrance St, Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@UHB.com CMASSE@UHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	Total Arsenic	Hold
01	10-4-11	10:29	X		S	SB-501 0'-2'	1	1	G	X	X	
02		10:37				SB-502 0'-2'				X	X	
03		10:45				SB-503 0'-2'				X	X	
04		10:55				SB-504 0'-2'				X	X	
—		11:02				SB-505 0'-2'				X		X
05		11:09				SB-506 0'-2'				X	X	
06		11:15				SB-507 0'-2'				X	X	
07		11:27				SB-508 0'-2'				X	X	
08	"	11:35	↓		X	SB-509 0'-2'	"	"	"	X	X	

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: X Yes ___ No

Seals Intact: ___ Yes ___ No NA: ___

Cooler Temp: 5.1 w/ice

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	10-4-11 1603	[signature]	10/4/11 1603				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

CERTIFICATE OF ANALYSIS

Josh Klement
Vanasse Hangen Brustlin, Inc.
10 Dorrance Street, Suite 400
Providence, RI 02903

RE: Trestle Trail (72016.1)
ESS Laboratory Work Order Number: 1110046

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

Laurel Stoddard
Laboratory Director

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

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110046

SAMPLE RECEIPT

The following samples were received on October 05, 2011 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1110046-01	SB-601 0ft-2ft	Soil	6010B
1110046-02	SB-602 0ft-2ft	Soil	6010B
1110046-03	SB-603 0ft-2ft	Soil	6010B
1110046-04	SB-604 0ft-2ft	Soil	6010B
1110046-05	SB-701 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C
1110046-06	SB-702 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C
1110046-07	SB-703 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C
1110046-08	SB-704 0ft-2ft	Soil	6010B, 7471A, 7841, 8270C

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110046

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

CJ10621-DUP1 **Relative percent difference for duplicate is outside of criteria (D+).**
Arsenic (68%)

CJ10621-MS1 **Matrix Spike recovery is below lower control limit (M-).**
Antimony (65% @ 75-125%), Selenium (68% @ 75-125%)

8270C Polynuclear Aromatic Hydrocarbons

1110046-05 **Surrogate recovery(ies) above upper control limit (S+).**
p-Terphenyl-d14 (139% @ 30-130%)

1110046-06 **Surrogate recovery(ies) above upper control limit (S+).**
p-Terphenyl-d14 (149% @ 30-130%)

1110046-07 **Internal Standard(s) outside of criteria. Sample was reanalyzed to confirm (IC).**
Perylene-d12 (45% @ 50-200%)

1110046-07 **Surrogate recovery(ies) above upper control limit (S+).**
p-Terphenyl-d14 (158% @ 30-130%)

1110046-08 **Internal Standard(s) outside of criteria. Sample was reanalyzed to confirm (IC).**
Perylene-d12 (44% @ 50-200%)

1110046-08 **Surrogate recovery(ies) above upper control limit (S+).**
p-Terphenyl-d14 (165% @ 30-130%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-601 0ft-2ft
Date Sampled: 10/05/11 09:12
Percent Solids: 89

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Beryllium	**0.66** (0.10)	6010B	0.4	1	JP	10/08/11 2:35	2.46	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-602 0ft-2ft
Date Sampled: 10/05/11 09:21
Percent Solids: 87

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Beryllium	**0.52** (0.10)	6010B	0.4	1	JP	10/08/11 2:39	2.4	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-603 0ft-2ft
Date Sampled: 10/05/11 09:28
Percent Solids: 89

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Beryllium	**0.75** (0.55)	6010B	0.4	5	SVD	10/12/11 19:16	2.16	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-604 0ft-2ft
Date Sampled: 10/05/11 09:54
Percent Solids: 87

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Beryllium	**0.28** (0.09)	6010B	0.4	1	JP	10/08/11 2:47	2.82	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-701 0ft-2ft
Date Sampled: 10/05/11 11:12
Percent Solids: 86

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.1)	6010B	10	1	JP	10/08/11 2:51	2.26	100	CJ10621
Arsenic	**57.9** (2.6)	6010B	7	1	JP	10/08/11 2:51	2.26	100	CJ10621
Beryllium	**0.43** (0.11)	6010B	0.4	1	JP	10/08/11 2:51	2.26	100	CJ10621
Cadmium	**0.65** (0.52)	6010B	39	1	JP	10/08/11 2:51	2.26	100	CJ10621
Chromium	**2.1** (1.0)	6010B	1400	1	JP	10/08/11 2:51	2.26	100	CJ10621
Copper	**19.2** (2.6)	6010B	3100	1	JP	10/08/11 2:51	2.26	100	CJ10621
Lead	**29.3** (5.1)	6010B	150	1	JP	10/08/11 2:51	2.26	100	CJ10621
Mercury	ND (0.038)	7471A	23	1	KJK	10/11/11 14:29	0.6	40	CJ10518
Nickel	ND (2.6)	6010B	1000	1	JP	10/08/11 2:51	2.26	100	CJ10621
Selenium	ND (5.1)	6010B	390	1	JP	10/08/11 2:51	2.26	100	CJ10621
Silver	ND (0.52)	6010B	200	1	JP	10/08/11 2:51	2.26	100	CJ10621
Thallium	ND (1.27)	7841	5.5	5	SVD	10/11/11 20:12	2.26	100	CJ10621
Zinc	**30.9** (2.6)	6010B	6000	1	JP	10/08/11 2:51	2.26	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-701 0ft-2ft
Date Sampled: 10/05/11 11:12
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-05
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.387)	123	1	10/08/11 22:45	CUJ0048	CJ10514
Acenaphthene	ND (0.387)	43	1	10/08/11 22:45	CUJ0048	CJ10514
Acenaphthylene	**0.603** (0.387)	23	1	10/08/11 22:45	CUJ0048	CJ10514
Anthracene	ND (0.387)	35	1	10/08/11 22:45	CUJ0048	CJ10514
Benzo(a)anthracene	**2.93** (0.387)	0.9	1	10/08/11 22:45	CUJ0048	CJ10514
Benzo(a)pyrene	**2.64** (0.194)	0.4	1	10/08/11 22:45	CUJ0048	CJ10514
Benzo(b)fluoranthene	**5.39** (0.387)	0.9	1	10/08/11 22:45	CUJ0048	CJ10514
Benzo(g,h,i)perylene	**1.21** (0.387)	0.8	1	10/08/11 22:45	CUJ0048	CJ10514
Benzo(k)fluoranthene	**1.97** (0.387)	0.9	1	10/08/11 22:45	CUJ0048	CJ10514
Chrysene	**3.52** (0.194)	0.4	1	10/08/11 22:45	CUJ0048	CJ10514
Dibenzo(a,h)Anthracene	**0.634** (0.194)	0.4	1	10/08/11 22:45	CUJ0048	CJ10514
Fluoranthene	**6.47** (0.387)	20	1	10/08/11 22:45	CUJ0048	CJ10514
Fluorene	ND (0.387)	28	1	10/08/11 22:45	CUJ0048	CJ10514
Indeno(1,2,3-cd)Pyrene	**1.36** (0.387)	0.9	1	10/08/11 22:45	CUJ0048	CJ10514
Naphthalene	ND (0.387)	54	1	10/08/11 22:45	CUJ0048	CJ10514
Phenanthrene	**2.27** (0.387)	40	1	10/08/11 22:45	CUJ0048	CJ10514
Pyrene	**7.19** (0.387)	13	1	10/08/11 22:45	CUJ0048	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*139 %*	*S+*	*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-702 0ft-2ft
Date Sampled: 10/05/11 11:20
Percent Solids: 92

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.1)	6010B	10	1	JP	10/08/11 2:55	2.15	100	CJ10621
Arsenic	**8.9** (2.5)	6010B	7	1	JP	10/08/11 2:55	2.15	100	CJ10621
Beryllium	**0.28** (0.11)	6010B	0.4	1	JP	10/08/11 2:55	2.15	100	CJ10621
Cadmium	ND (0.51)	6010B	39	1	JP	10/08/11 2:55	2.15	100	CJ10621
Chromium	**1.7** (1.0)	6010B	1400	1	JP	10/08/11 2:55	2.15	100	CJ10621
Copper	**3.9** (2.5)	6010B	3100	1	JP	10/08/11 2:55	2.15	100	CJ10621
Lead	**8.5** (5.1)	6010B	150	1	JP	10/08/11 2:55	2.15	100	CJ10621
Mercury	ND (0.033)	7471A	23	1	KJK	10/11/11 14:31	0.65	40	CJ10518
Nickel	ND (2.5)	6010B	1000	1	JP	10/08/11 2:55	2.15	100	CJ10621
Selenium	ND (5.1)	6010B	390	1	JP	10/08/11 2:55	2.15	100	CJ10621
Silver	ND (0.51)	6010B	200	1	JP	10/08/11 2:55	2.15	100	CJ10621
Thallium	ND (1.25)	7841	5.5	5	SVD	10/11/11 20:18	2.15	100	CJ10621
Zinc	**17.7** (2.5)	6010B	6000	1	JP	10/08/11 2:55	2.15	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-702 0ft-2ft
Date Sampled: 10/05/11 11:20
Percent Solids: 92
Initial Volume: 15.4
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-06
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.353)	123	1	10/08/11 23:15	CUJ0048	CJ10514
Acenaphthene	ND (0.353)	43	1	10/08/11 23:15	CUJ0048	CJ10514
Acenaphthylene	ND (0.353)	23	1	10/08/11 23:15	CUJ0048	CJ10514
Anthracene	ND (0.353)	35	1	10/08/11 23:15	CUJ0048	CJ10514
Benzo(a)anthracene	ND (0.353)	0.9	1	10/08/11 23:15	CUJ0048	CJ10514
Benzo(a)pyrene	**0.259** (0.177)	0.4	1	10/08/11 23:15	CUJ0048	CJ10514
Benzo(b)fluoranthene	**0.514** (0.353)	0.9	1	10/08/11 23:15	CUJ0048	CJ10514
Benzo(g,h,i)perylene	ND (0.353)	0.8	1	10/08/11 23:15	CUJ0048	CJ10514
Benzo(k)fluoranthene	ND (0.353)	0.9	1	10/08/11 23:15	CUJ0048	CJ10514
Chrysene	**0.344** (0.177)	0.4	1	10/08/11 23:15	CUJ0048	CJ10514
Dibenzo(a,h)Anthracene	ND (0.177)	0.4	1	10/08/11 23:15	CUJ0048	CJ10514
Fluoranthene	**0.609** (0.353)	20	1	10/08/11 23:15	CUJ0048	CJ10514
Fluorene	ND (0.353)	28	1	10/08/11 23:15	CUJ0048	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.353)	0.9	1	10/08/11 23:15	CUJ0048	CJ10514
Naphthalene	ND (0.353)	54	1	10/08/11 23:15	CUJ0048	CJ10514
Phenanthrene	ND (0.353)	40	1	10/08/11 23:15	CUJ0048	CJ10514
Pyrene	**0.748** (0.353)	13	1	10/08/11 23:15	CUJ0048	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*79 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*85 %*		*30-130*
Surrogate: Nitrobenzene-d5	*69 %*		*30-130*
Surrogate: p-Terphenyl-d14	*149 %*	*S+*	*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-703 0ft-2ft
Date Sampled: 10/05/11 11:41
Percent Solids: 93

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.1)	6010B	10	1	JP	10/08/11 2:59	2.11	100	CJ10621
Arsenic	ND (2.5)	6010B	7	1	JP	10/08/11 2:59	2.11	100	CJ10621
Beryllium	**0.27** (0.11)	6010B	0.4	1	JP	10/08/11 2:59	2.11	100	CJ10621
Cadmium	ND (0.51)	6010B	39	1	JP	10/08/11 2:59	2.11	100	CJ10621
Chromium	ND (1.0)	6010B	1400	1	JP	10/08/11 2:59	2.11	100	CJ10621
Copper	ND (2.5)	6010B	3100	1	JP	10/08/11 2:59	2.11	100	CJ10621
Lead	**11.8** (5.1)	6010B	150	1	JP	10/08/11 2:59	2.11	100	CJ10621
Mercury	ND (0.031)	7471A	23	1	KJK	10/11/11 14:34	0.68	40	CJ10518
Nickel	ND (2.5)	6010B	1000	1	JP	10/08/11 2:59	2.11	100	CJ10621
Selenium	ND (5.1)	6010B	390	1	JP	10/08/11 2:59	2.11	100	CJ10621
Silver	ND (0.51)	6010B	200	1	JP	10/08/11 2:59	2.11	100	CJ10621
Thallium	ND (1.26)	7841	5.5	5	SVD	10/11/11 20:35	2.11	100	CJ10621
Zinc	**17.9** (2.5)	6010B	6000	1	JP	10/08/11 2:59	2.11	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-703 0ft-2ft
Date Sampled: 10/05/11 11:41
Percent Solids: 93
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-07
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.342)	123	1	10/08/11 23:45	CUJ0048	CJ10514
Acenaphthene	ND (0.342)	43	1	10/08/11 23:45	CUJ0048	CJ10514
Acenaphthylene	ND (0.342)	23	1	10/08/11 23:45	CUJ0048	CJ10514
Anthracene	ND (0.342)	35	1	10/08/11 23:45	CUJ0048	CJ10514
Benzo(a)anthracene	ND (0.342)	0.9	1	10/08/11 23:45	CUJ0048	CJ10514
Benzo(a)pyrene	ND (0.172)	0.4	1	10/08/11 23:45	CUJ0048	CJ10514
Benzo(b)fluoranthene	ND (0.342)	0.9	1	10/08/11 23:45	CUJ0048	CJ10514
Benzo(g,h,i)perylene	ND (0.342)	0.8	1	10/08/11 23:45	CUJ0048	CJ10514
Benzo(k)fluoranthene	ND (0.342)	0.9	1	10/08/11 23:45	CUJ0048	CJ10514
Chrysene	ND (0.172)	0.4	1	10/08/11 23:45	CUJ0048	CJ10514
Dibenzo(a,h)Anthracene	ND (0.172)	0.4	1	10/08/11 23:45	CUJ0048	CJ10514
Fluoranthene	ND (0.342)	20	1	10/08/11 23:45	CUJ0048	CJ10514
Fluorene	ND (0.342)	28	1	10/08/11 23:45	CUJ0048	CJ10514
Indeno(1,2,3-cd)Pyrene	ND (0.342)	0.9	1	10/08/11 23:45	CUJ0048	CJ10514
Naphthalene	ND (0.342)	54	1	10/08/11 23:45	CUJ0048	CJ10514
Phenanthrene	ND (0.342)	40	1	10/08/11 23:45	CUJ0048	CJ10514
Pyrene	ND (0.342)	13	1	10/08/11 23:45	CUJ0048	CJ10514

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*74 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*81 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: p-Terphenyl-d14	*158 %*	*S+*	*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-704 0ft-2ft
Date Sampled: 10/05/11 11:34
Percent Solids: 92

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Antimony	ND (5.2)	6010B	10	1	JP	10/08/11 3:03	2.09	100	CJ10621
Arsenic	**17.6** (2.6)	6010B	7	1	JP	10/08/11 3:03	2.09	100	CJ10621
Beryllium	**0.24** (0.11)	6010B	0.4	1	JP	10/08/11 3:03	2.09	100	CJ10621
Cadmium	ND (0.52)	6010B	39	1	JP	10/08/11 3:03	2.09	100	CJ10621
Chromium	**1.6** (1.0)	6010B	1400	1	JP	10/08/11 3:03	2.09	100	CJ10621
Copper	**4.3** (2.6)	6010B	3100	1	JP	10/08/11 3:03	2.09	100	CJ10621
Lead	**9.4** (5.2)	6010B	150	1	JP	10/08/11 3:03	2.09	100	CJ10621
Mercury	ND (0.034)	7471A	23	1	KJK	10/11/11 14:37	0.63	40	CJ10518
Nickel	ND (2.6)	6010B	1000	1	JP	10/08/11 3:03	2.09	100	CJ10621
Selenium	ND (5.2)	6010B	390	1	JP	10/08/11 3:03	2.09	100	CJ10621
Silver	ND (0.52)	6010B	200	1	JP	10/08/11 3:03	2.09	100	CJ10621
Thallium	ND (1.29)	7841	5.5	5	SVD	10/11/11 20:41	2.09	100	CJ10621
Zinc	**15.6** (2.6)	6010B	6000	1	JP	10/08/11 3:03	2.09	100	CJ10621

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SB-704 0ft-2ft
Date Sampled: 10/05/11 11:34
Percent Solids: 92
Initial Volume: 15.7
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1110046
ESS Laboratory Sample ID: 1110046-08
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 10/6/11 18:00

8270C Polynuclear Aromatic Hydrocarbons

		RI - RES DEC				
Analyte	**Results (MRL)**	**Limit**	**DF**	**Analyzed**	**Sequence**	**Batch**
2-Methylnaphthalene	ND (0.346)	123	1	10/09/11 0:15	CUJ0048	CJ10514
Acenaphthene	ND (0.346)	43	1	10/09/11 0:15	CUJ0048	CJ10514
Acenaphthylene	ND (0.346)	23	1	10/09/11 0:15	CUJ0048	CJ10514
Anthracene	ND (0.346)	35	1	10/09/11 0:15	CUJ0048	CJ10514
Benzo(a)anthracene	**0.893** (0.346)	0.9	1	10/09/11 0:15	CUJ0048	CJ10514
Benzo(a)pyrene	**0.819** (0.173)	0.4	1	10/09/11 0:15	CUJ0048	CJ10514
Benzo(b)fluoranthene	**1.71** (0.346)	0.9	1	10/09/11 0:15	CUJ0048	CJ10514
Benzo(g,h,i)perylene	**0.368** (0.346)	0.8	1	10/09/11 0:15	CUJ0048	CJ10514
Benzo(k)fluoranthene	**0.603** (0.346)	0.9	1	10/09/11 0:15	CUJ0048	CJ10514
Chrysene	**1.09** (0.173)	0.4	1	10/09/11 0:15	CUJ0048	CJ10514
Dibenzo(a,h)Anthracene	**0.230** (0.173)	0.4	1	10/09/11 0:15	CUJ0048	CJ10514
Fluoranthene	**1.47** (0.346)	20	1	10/09/11 0:15	CUJ0048	CJ10514
Fluorene	ND (0.346)	28	1	10/09/11 0:15	CUJ0048	CJ10514
Indeno(1,2,3-cd)Pyrene	**0.376** (0.346)	0.9	1	10/09/11 0:15	CUJ0048	CJ10514
Naphthalene	ND (0.346)	54	1	10/09/11 0:15	CUJ0048	CJ10514
Phenanthrene	ND (0.346)	40	1	10/09/11 0:15	CUJ0048	CJ10514
Pyrene	**2.12** (0.346)	13	1	10/09/11 0:15	CUJ0048	CJ10514

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*81 %*		*30-130*
Surrogate: Nitrobenzene-d5	*61 %*		*30-130*
Surrogate: p-Terphenyl-d14	*165 %*	*S+*	*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110046

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch CJ10518 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	9.67	0.811	mg/kg wet	8.610		112	80-120			
LCS Dup										
Mercury	10.2	0.750	mg/kg wet	8.610		118	80-120	5	20	
Batch CJ10621 - 3050B										
Blank										
Antimony	ND	5.0	mg/kg wet							
Arsenic	ND	2.5	mg/kg wet							
Beryllium	ND	0.10	mg/kg wet							
Cadmium	ND	0.50	mg/kg wet							
Chromium	ND	1.0	mg/kg wet							
Copper	ND	2.5	mg/kg wet							
Lead	ND	5.0	mg/kg wet							
Nickel	ND	2.5	mg/kg wet							
Selenium	ND	5.0	mg/kg wet							
Silver	ND	0.50	mg/kg wet							
Thallium	ND	0.25	mg/kg wet							
Zinc	ND	2.5	mg/kg wet							
LCS										
Antimony	123	18.9	mg/kg wet	106.0		116	9-192			
Arsenic	98.5	9.4	mg/kg wet	109.0		90	80-120			
Beryllium	80.3	0.40	mg/kg wet	88.20		91	80-120			
Cadmium	70.3	1.90	mg/kg wet	80.20		88	80-120			
Chromium	112	3.8	mg/kg wet	117.0		95	80-120			
Copper	110	9.4	mg/kg wet	117.0		94	80-120			
Lead	67.5	18.9	mg/kg wet	76.20		89	80-120			
Nickel	64.0	9.4	mg/kg wet	71.20		90	80-120			
Selenium	104	18.9	mg/kg wet	127.0		82	80-120			
Silver	38.5	1.90	mg/kg wet	41.10		94	80-120			
Thallium	286	46.7	mg/kg wet	266.0		107	80-120			
Zinc	236	9.4	mg/kg wet	280.0		84	80-120			
LCS Dup										
Antimony	128	17.6	mg/kg wet	106.0		121	9-192	4	20	
Arsenic	93.3	8.8	mg/kg wet	109.0		86	80-120	5	20	
Beryllium	78.0	0.37	mg/kg wet	88.20		88	80-120	3	20	
Cadmium	68.7	1.76	mg/kg wet	80.20		86	80-120	2	20	
Chromium	109	3.5	mg/kg wet	117.0		93	80-120	3	20	
Copper	109	8.8	mg/kg wet	117.0		93	80-120	0.7	20	
Lead	66.7	17.6	mg/kg wet	76.20		88	80-120	1	20	
Nickel	63.1	8.8	mg/kg wet	71.20		89	80-120	1	20	
Selenium	107	17.6	mg/kg wet	127.0		84	80-120	3	20	
Silver	38.6	1.76	mg/kg wet	41.10		94	80-120	0.3	20	

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110046

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch CJ10621 - 3050B										
Thallium	270	43.4	mg/kg wet	266.0		102	80-120	6	20	
Zinc	233	8.8	mg/kg wet	280.0		83	80-120	1	20	
Duplicate **Source: 1110046-08**										
Antimony	1.03	4.6	mg/kg dry		1.16			12	35	
Arsenic	35.9	2.3	mg/kg dry		17.6			68	35	D+
Beryllium	0.299	0.10	mg/kg dry		0.237			23	35	
Cadmium	0.318	0.46	mg/kg dry		0.136			80	35	
Chromium	1.99	0.9	mg/kg dry		1.58			23	35	
Copper	4.98	2.3	mg/kg dry		4.35			14	35	
Lead	9.68	4.6	mg/kg dry		9.35			3	35	
Nickel	0.911	2.3	mg/kg dry		0.818			11	35	
Selenium	ND	4.6	mg/kg dry		ND				35	
Silver	ND	0.46	mg/kg dry		ND				35	
Thallium	ND	1.14	mg/kg dry		ND				35	
Zinc	16.5	2.3	mg/kg dry		15.6			6	35	
Matrix Spike **Source: 1110046-08**										
Antimony	18.0	5.2	mg/kg dry	25.76	1.16	65	75-125			M-
Arsenic	44.0	2.6	mg/kg dry	25.76	17.6	102	75-125			
Beryllium	2.35	0.11	mg/kg dry	2.576	0.237	82	75-125			
Cadmium	10.3	0.52	mg/kg dry	12.88	0.136	79	75-125			
Chromium	22.8	1.0	mg/kg dry	25.76	1.58	83	75-125			
Copper	29.1	2.6	mg/kg dry	25.76	4.35	96	75-125			
Lead	31.0	5.2	mg/kg dry	25.76	9.35	84	75-125			
Nickel	21.8	2.6	mg/kg dry	25.76	0.818	82	75-125			
Selenium	35.1	5.2	mg/kg dry	51.51	ND	68	75-125			M-
Silver	10.3	0.52	mg/kg dry	12.88	ND	80	75-125			
Thallium	23.0	5.10	mg/kg dry	25.76	ND	89	75-125			
Zinc	37.3	2.6	mg/kg dry	25.76	15.6	84	75-125			
8270C Polynuclear Aromatic Hydrocarbons										

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail ESS Laboratory Work Order: 1110046

Notes and Definitions

U	Analyte included in the analysis, but not detected
S+	Surrogate recovery(ies) above upper control limit (S+).
M-	Matrix Spike recovery is below lower control limit (M-).
IC	Internal Standard(s) outside of criteria. Sample was reanalyzed to confirm (IC).
D+	Relative percent difference for duplicate is outside of criteria (D+).
D	Diluted.
ND	Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
DL	Detection Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.
NR	No Recovery
[CALC]	Calculated Analyte

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1110046

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
http://www.a2la.org/scopepdf/2864-01.pdf

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

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

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

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

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

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

United States Department of Agriculture Soil Permit: S-54210

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

CHEMISTRY

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

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

Sample and Cooler Receipt Checklist

Client: Vanasse Hangen Brustlin, Inc.
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 11100046
Date Project Due: 10/12/11
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **5.6**		16. Are ESS labels on correct containers?	**Yes** | **No**
Iced With: **Ice**		17. Were samples received intact?	**Yes** | **No**
6. Was COC included with samples?	Yes	ESS Sample IDs:	
7. Was COC signed and dated by client?	Yes	Sub Lab:	
8. Does the COC match the sample	Yes	Analysis:	
9. Is COC complete and correct?	Yes	TAT:	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?:_____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	1	NP
2	Yes	4 oz Soil Jar	1	NP
3	Yes	4 oz Soil Jar	1	NP
4	Yes	4 oz Soil Jar	1	NP
5	Yes	4 oz Soil Jar	1	NP
6	Yes	4 oz Soil Jar	1	NP
7	Yes	4 oz Soil Jar	1	NP
8	Yes	4 oz Soil Jar	1	NP

Completed By: CP Date/Time: 10/5/11

Reviewed By: ED Date/Time: 10/5/11

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:
MA-MCP Navy USACE Other N/A

Reporting Limits: RIDEM RDEC

ESS LAB PROJECT ID: 110046

Electronic Deliverable Yes ✓ No ____

Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St, Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@VHB.com CMasse@VHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Write Required Analysis: PAHs	PP13 Metals	Total Beryllium
01	10-5-11	09:12	X		S	SB-601 0'-2'	1	1	G			X
02		09:21				SB-602 0'-2'						X
03		09:28				SB-603 0'-2'						X
04		09:54				SB-604 0'-2'						X
05		11:12				SB-701 0'-2'				X	X	
06		11:20				SB-702 0'-2'				X	X	
07		11:41				SB-703 0'-2'				X	X	
08		11:34				SB-704 0'-2'				X	X	
—	↓	—	X		X	—	↓	↓	↓	—	—	—

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No

Seals Intact ___ Yes ___ No NA: ___

Cooler Temp: 5.6 ice

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	10-5-11 13:04	Lynn Rd	10/5/11 1310				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

CERTIFICATE OF ANALYSIS

Josh Klement
Vanasse Hangen Brustlin, Inc.
10 Dorrance Street, Suite 400
Providence, RI 02903

RE: Trestle Trail (72016.1)
ESS Laboratory Work Order Number: 1112220

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

Laurel Stoddard
Laboratory Director

REVIEWED
By SMorrell at 4:40 pm, Dec 19, 2011

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

ESS Laboratory certifies that the test results meet the requirements of NELAC and A2LA, except where noted within this project narrative.

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1112220

SAMPLE RECEIPT

The following samples were received on December 12, 2011 for the analyses specified on the enclosed Chain of Custody Record.

Lab Number	SampleName	Matrix	Analysis
1112220-01	SS-210 0ft-2ft	Soil	6010B, 8270C
1112220-02	SS-211 0ft-2ft	Soil	6010B, 8270C
1112220-03	SS-212 0ft-2ft	Soil	6010B, 8270C
1112220-04	SS-213 0ft-2ft	Soil	6010B, 8270C
1112220-05	SS-510 0ft-2ft	Soil	6010B
1112220-06	SS-511 0ft-2ft	Soil	6010B
1112220-07	SS-512 0ft-2ft	Soil	6010B
1112220-08	SS-513 0ft-2ft	Soil	6010B

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1112220

PROJECT NARRATIVE

8270C Polynuclear Aromatic Hydrocarbons
CUL0120-CCV1 **Calibration required quadratic regression (Q).**
Dibenzo(a,h)Anthracene (95% @ 70-130%), Indeno(1,2,3-cd)Pyrene (97% @ 70-130%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

Definitions of Quality Control Parameters

Semivolatile Organics Internal Standard Information

Semivolatile Organics Surrogate Information

Volatile Organics Internal Standard Information

Volatile Organics Surrogate Information

EPH and VPH Alkane Lists

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-210 0ft-2ft
Date Sampled: 12/12/11 08:45
Percent Solids: 90

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-01
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**9.0** (2.2)	6010B	7	1	SVD	12/16/11 23:03	2.49	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-210 0ft-2ft
Date Sampled: 12/12/11 08:45
Percent Solids: 90
Initial Volume: 15.51
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-01
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 12/15/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.358)	123	1	12/16/11 5:08	CUL0120	CL11516
Acenaphthene	ND (0.358)	43	1	12/16/11 5:08	CUL0120	CL11516
Acenaphthylene	ND (0.358)	23	1	12/16/11 5:08	CUL0120	CL11516
Anthracene	ND (0.358)	35	1	12/16/11 5:08	CUL0120	CL11516
Benzo(a)anthracene	**0.490** (0.358)	0.9	1	12/16/11 5:08	CUL0120	CL11516
Benzo(a)pyrene	**0.441** (0.179)	0.4	1	12/16/11 5:08	CUL0120	CL11516
Benzo(b)fluoranthene	**0.823** (0.358)	0.9	1	12/16/11 5:08	CUL0120	CL11516
Benzo(g,h,i)perylene	**0.370** (0.358)	0.8	1	12/16/11 5:08	CUL0120	CL11516
Benzo(k)fluoranthene	**0.383** (0.358)	0.9	1	12/16/11 5:08	CUL0120	CL11516
Chrysene	**0.719** (0.179)	0.4	1	12/16/11 5:08	CUL0120	CL11516
Dibenzo(a,h)Anthracene	ND (0.179)	0.4	1	12/16/11 5:08	CUL0120	CL11516
Fluoranthene	**0.930** (0.358)	20	1	12/16/11 5:08	CUL0120	CL11516
Fluorene	ND (0.358)	28	1	12/16/11 5:08	CUL0120	CL11516
Indeno(1,2,3-cd)Pyrene	**0.458** (0.358)	0.9	1	12/16/11 5:08	CUL0120	CL11516
Naphthalene	ND (0.358)	54	1	12/16/11 5:08	CUL0120	CL11516
Phenanthrene	ND (0.358)	40	1	12/16/11 5:08	CUL0120	CL11516
Pyrene	**0.918** (0.358)	13	1	12/16/11 5:08	CUL0120	CL11516

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*63 %*		*30-130*
Surrogate: Nitrobenzene-d5	*61 %*		*30-130*
Surrogate: p-Terphenyl-d14	*90 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-211 0ft-2ft
Date Sampled: 12/12/11 08:45
Percent Solids: 89

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-02
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.6** (2.6)	6010B	7	1	SVD	12/16/11 23:07	2.12	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-211 0ft-2ft
Date Sampled: 12/12/11 08:45
Percent Solids: 89
Initial Volume: 14.39
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-02
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 12/15/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.390)	123	1	12/16/11 5:41	CUL0120	CL11516
Acenaphthene	ND (0.390)	43	1	12/16/11 5:41	CUL0120	CL11516
Acenaphthylene	ND (0.390)	23	1	12/16/11 5:41	CUL0120	CL11516
Anthracene	ND (0.390)	35	1	12/16/11 5:41	CUL0120	CL11516
Benzo(a)anthracene	ND (0.390)	0.9	1	12/16/11 5:41	CUL0120	CL11516
Benzo(a)pyrene	ND (0.196)	0.4	1	12/16/11 5:41	CUL0120	CL11516
Benzo(b)fluoranthene	ND (0.390)	0.9	1	12/16/11 5:41	CUL0120	CL11516
Benzo(g,h,i)perylene	ND (0.390)	0.8	1	12/16/11 5:41	CUL0120	CL11516
Benzo(k)fluoranthene	ND (0.390)	0.9	1	12/16/11 5:41	CUL0120	CL11516
Chrysene	**0.208** (0.196)	0.4	1	12/16/11 5:41	CUL0120	CL11516
Dibenzo(a,h)Anthracene	ND (0.196)	0.4	1	12/16/11 5:41	CUL0120	CL11516
Fluoranthene	ND (0.390)	20	1	12/16/11 5:41	CUL0120	CL11516
Fluorene	ND (0.390)	28	1	12/16/11 5:41	CUL0120	CL11516
Indeno(1,2,3-cd)Pyrene	ND (0.390)	0.9	1	12/16/11 5:41	CUL0120	CL11516
Naphthalene	ND (0.390)	54	1	12/16/11 5:41	CUL0120	CL11516
Phenanthrene	ND (0.390)	40	1	12/16/11 5:41	CUL0120	CL11516
Pyrene	ND (0.390)	13	1	12/16/11 5:41	CUL0120	CL11516

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*73 %*		*30-130*
Surrogate: Nitrobenzene-d5	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*95 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-212 0ft-2ft
Date Sampled: 12/12/11 08:54
Percent Solids: 89

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-03
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.2** (2.7)	6010B	7	1	SVD	12/16/11 23:11	2.05	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-212 0ft-2ft
Date Sampled: 12/12/11 08:54
Percent Solids: 89
Initial Volume: 14.64
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-03
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 12/15/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.383)	123	1	12/16/11 6:15	CUL0120	CL11516
Acenaphthene	ND (0.383)	43	1	12/16/11 6:15	CUL0120	CL11516
Acenaphthylene	ND (0.383)	23	1	12/16/11 6:15	CUL0120	CL11516
Anthracene	ND (0.383)	35	1	12/16/11 6:15	CUL0120	CL11516
Benzo(a)anthracene	ND (0.383)	0.9	1	12/16/11 6:15	CUL0120	CL11516
Benzo(a)pyrene	ND (0.192)	0.4	1	12/16/11 6:15	CUL0120	CL11516
Benzo(b)fluoranthene	ND (0.383)	0.9	1	12/16/11 6:15	CUL0120	CL11516
Benzo(g,h,i)perylene	ND (0.383)	0.8	1	12/16/11 6:15	CUL0120	CL11516
Benzo(k)fluoranthene	ND (0.383)	0.9	1	12/16/11 6:15	CUL0120	CL11516
Chrysene	ND (0.192)	0.4	1	12/16/11 6:15	CUL0120	CL11516
Dibenzo(a,h)Anthracene	ND (0.192)	0.4	1	12/16/11 6:15	CUL0120	CL11516
Fluoranthene	ND (0.383)	20	1	12/16/11 6:15	CUL0120	CL11516
Fluorene	ND (0.383)	28	1	12/16/11 6:15	CUL0120	CL11516
Indeno(1,2,3-cd)Pyrene	ND (0.383)	0.9	1	12/16/11 6:15	CUL0120	CL11516
Naphthalene	ND (0.383)	54	1	12/16/11 6:15	CUL0120	CL11516
Phenanthrene	ND (0.383)	40	1	12/16/11 6:15	CUL0120	CL11516
Pyrene	ND (0.383)	13	1	12/16/11 6:15	CUL0120	CL11516

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*70 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*72 %*		*30-130*
Surrogate: Nitrobenzene-d5	*73 %*		*30-130*
Surrogate: p-Terphenyl-d14	*93 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-213 0ft-2ft
Date Sampled: 12/12/11 08:55
Percent Solids: 85

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-04
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**3.1** (2.7)	6010B	7	1	SVD	12/16/11 23:15	2.2	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-213 0ft-2ft
Date Sampled: 12/12/11 08:55
Percent Solids: 85
Initial Volume: 14.14
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-04
Sample Matrix: Soil
Units: mg/kg dry
Analyst: IBM
Prepared: 12/15/11 13:00

8270C Polynuclear Aromatic Hydrocarbons

Analyte	Results (MRL)	RI - RES DEC Limit	DF	Analyzed	Sequence	Batch
2-Methylnaphthalene	ND (0.416)	123	1	12/16/11 6:48	CUL0120	CL11516
Acenaphthene	ND (0.416)	43	1	12/16/11 6:48	CUL0120	CL11516
Acenaphthylene	ND (0.416)	23	1	12/16/11 6:48	CUL0120	CL11516
Anthracene	ND (0.416)	35	1	12/16/11 6:48	CUL0120	CL11516
Benzo(a)anthracene	ND (0.416)	0.9	1	12/16/11 6:48	CUL0120	CL11516
Benzo(a)pyrene	ND (0.208)	0.4	1	12/16/11 6:48	CUL0120	CL11516
Benzo(b)fluoranthene	ND (0.416)	0.9	1	12/16/11 6:48	CUL0120	CL11516
Benzo(g,h,i)perylene	ND (0.416)	0.8	1	12/16/11 6:48	CUL0120	CL11516
Benzo(k)fluoranthene	ND (0.416)	0.9	1	12/16/11 6:48	CUL0120	CL11516
Chrysene	ND (0.208)	0.4	1	12/16/11 6:48	CUL0120	CL11516
Dibenzo(a,h)Anthracene	ND (0.208)	0.4	1	12/16/11 6:48	CUL0120	CL11516
Fluoranthene	ND (0.416)	20	1	12/16/11 6:48	CUL0120	CL11516
Fluorene	ND (0.416)	28	1	12/16/11 6:48	CUL0120	CL11516
Indeno(1,2,3-cd)Pyrene	ND (0.416)	0.9	1	12/16/11 6:48	CUL0120	CL11516
Naphthalene	ND (0.416)	54	1	12/16/11 6:48	CUL0120	CL11516
Phenanthrene	ND (0.416)	40	1	12/16/11 6:48	CUL0120	CL11516
Pyrene	ND (0.416)	13	1	12/16/11 6:48	CUL0120	CL11516

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*61 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*63 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: p-Terphenyl-d14	*92 %*		*30-130*

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-510 0ft-2ft
Date Sampled: 12/12/11 12:26
Percent Solids: 95

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-05
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**16.3** (2.4)	6010B	7	1	SVD	12/16/11 23:19	2.23	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-511 0ft-2ft
Date Sampled: 12/12/11 12:25
Percent Solids: 94

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-06
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**7.4** (2.3)	6010B	7	1	SVD	12/16/11 23:31	2.31	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-512 0ft-2ft
Date Sampled: 12/12/11 12:34
Percent Solids: 95

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-07
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	ND (2.4)	6010B	7	1	SVD	12/16/11 23:35	2.15	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail
Client Sample ID: SS-513 0ft-2ft
Date Sampled: 12/12/11 12:33
Percent Solids: 92

ESS Laboratory Work Order: 1112220
ESS Laboratory Sample ID: 1112220-08
Sample Matrix: Soil
Units: mg/kg dry

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results (MRL)	Method	Limit	DF	Analyst	Analyzed	I/V	F/V	Batch
Arsenic	**5.1** (2.6)	6010B	7	1	SVD	12/16/11 23:39	2.11	100	CL11624

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1112220

Quality Control Data

Analyte		Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals											
Batch CL11624 - 3050B											
Blank											
Arsenic		ND	2.5	mg/kg wet							
LCS											
Arsenic		111	9.6	mg/kg wet	124.0		89	80-120			
LCS Dup											
Arsenic		112	9.6	mg/kg wet	124.0		90	80-120	0.7	20	
Duplicate	**Source: 1112220-08**										
Arsenic		5.37	2.5	mg/kg dry		5.08			6	35	
Matrix Spike	**Source: 1112220-08**										
Arsenic		24.3	2.6	mg/kg dry	25.76	5.08	75	75-125			
8270C Polynuclear Aromatic Hydrocarbons											
Batch CL11516 - 3546											
Blank											
2-Methylnaphthalene		ND	0.333	mg/kg wet							
Acenaphthene		ND	0.333	mg/kg wet							
Acenaphthylene		ND	0.333	mg/kg wet							
Anthracene		ND	0.333	mg/kg wet							
Benzo(a)anthracene		ND	0.333	mg/kg wet							
Benzo(a)pyrene		ND	0.167	mg/kg wet							
Benzo(b)fluoranthene		ND	0.333	mg/kg wet							
Benzo(g,h,i)perylene		ND	0.333	mg/kg wet							
Benzo(k)fluoranthene		ND	0.333	mg/kg wet							
Chrysene		ND	0.167	mg/kg wet							
Dibenzo(a,h)Anthracene		ND	0.167	mg/kg wet							
Fluoranthene		ND	0.333	mg/kg wet							
Fluorene		ND	0.333	mg/kg wet							
Indeno(1,2,3-cd)Pyrene		ND	0.333	mg/kg wet							
Naphthalene		ND	0.333	mg/kg wet							
Phenanthrene		ND	0.333	mg/kg wet							
Pyrene		ND	0.333	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4		*2.28*		mg/kg wet	*3.333*		*68*	*30-130*			
Surrogate: 2-Fluorobiphenyl		*2.64*		mg/kg wet	*3.333*		*79*	*30-130*			
Surrogate: Nitrobenzene-d5		*2.45*		mg/kg wet	*3.333*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14		*4.11*		mg/kg wet	*3.333*		*123*	*30-130*			
LCS											
2-Methylnaphthalene		2.59	0.333	mg/kg wet	3.333		78	40-140			
Acenaphthene		2.64	0.333	mg/kg wet	3.333		79	40-140			
Acenaphthylene		2.76	0.333	mg/kg wet	3.333		83	40-140			
Anthracene		3.01	0.333	mg/kg wet	3.333		90	40-140			
Benzo(a)anthracene		2.93	0.333	mg/kg wet	3.333		88	40-140			
Benzo(a)pyrene		2.78	0.167	mg/kg wet	3.333		84	40-140			
Benzo(b)fluoranthene		2.68	0.333	mg/kg wet	3.333		80	40-140			
Benzo(g,h,i)perylene		3.11	0.333	mg/kg wet	3.333		93	40-140			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1112220

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Polynuclear Aromatic Hydrocarbons										
Batch CL11516 - 3546										
Benzo(k)fluoranthene	3.02	0.333	mg/kg wet	3.333		91	40-140			
Chrysene	2.86	0.167	mg/kg wet	3.333		86	40-140			
Dibenzo(a,h)Anthracene	2.79	0.167	mg/kg wet	3.333		84	40-140			
Fluoranthene	3.31	0.333	mg/kg wet	3.333		99	40-140			
Fluorene	2.87	0.333	mg/kg wet	3.333		86	40-140			
Indeno(1,2,3-cd)Pyrene	2.91	0.333	mg/kg wet	3.333		87	40-140			
Naphthalene	2.33	0.333	mg/kg wet	3.333		70	40-140			
Phenanthrene	2.85	0.333	mg/kg wet	3.333		85	40-140			
Pyrene	2.90	0.333	mg/kg wet	3.333		87	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.60*		mg/kg wet	*3.333*		*78*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.29*		mg/kg wet	*3.333*		*69*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.21*		mg/kg wet	*3.333*		*96*	*30-130*			
LCS Dup										
2-Methylnaphthalene	2.76	0.333	mg/kg wet	3.333		83	40-140	6	30	
Acenaphthene	2.68	0.333	mg/kg wet	3.333		80	40-140	2	30	
Acenaphthylene	2.81	0.333	mg/kg wet	3.333		84	40-140	2	30	
Anthracene	3.22	0.333	mg/kg wet	3.333		97	40-140	7	30	
Benzo(a)anthracene	3.10	0.333	mg/kg wet	3.333		93	40-140	5	30	
Benzo(a)pyrene	2.97	0.167	mg/kg wet	3.333		89	40-140	7	30	
Benzo(b)fluoranthene	2.95	0.333	mg/kg wet	3.333		89	40-140	10	30	
Benzo(g,h,i)perylene	3.42	0.333	mg/kg wet	3.333		103	40-140	10	30	
Benzo(k)fluoranthene	2.98	0.333	mg/kg wet	3.333		89	40-140	1	30	
Chrysene	3.06	0.167	mg/kg wet	3.333		92	40-140	7	30	
Dibenzo(a,h)Anthracene	3.05	0.167	mg/kg wet	3.333		91	40-140	9	30	
Fluoranthene	3.54	0.333	mg/kg wet	3.333		106	40-140	7	30	
Fluorene	2.94	0.333	mg/kg wet	3.333		88	40-140	3	30	
Indeno(1,2,3-cd)Pyrene	3.16	0.333	mg/kg wet	3.333		95	40-140	8	30	
Naphthalene	2.54	0.333	mg/kg wet	3.333		76	40-140	9	30	
Phenanthrene	3.05	0.333	mg/kg wet	3.333		91	40-140	7	30	
Pyrene	3.16	0.333	mg/kg wet	3.333		95	40-140	9	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.48*		mg/kg wet	*3.333*		*74*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.71*		mg/kg wet	*3.333*		*81*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.52*		mg/kg wet	*3.333*		*76*	*30-130*			
Surrogate: p-Terphenyl-d14	*3.42*		mg/kg wet	*3.333*		*102*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1112220

Notes and Definitions

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

CERTIFICATE OF ANALYSIS

Client Name: Vanasse Hangen Brustlin, Inc.
Client Project ID: Trestle Trail

ESS Laboratory Work Order: 1112220

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)
A2LA Accredited: Testing Cert# 2864.01
http://www.a2la.org/scopepdf/2864-01.pdf

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

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

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

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

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

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

United States Department of Agriculture Soil Permit: S-54210

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

CHEMISTRY

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

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

Sample and Cooler Receipt Checklist

Client: V.H.B.
Client Project ID: _____
Shipped/Delivered Via: ESS Courier

ESS Project ID: 11120220
Date Project Due: 12/20/11
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **2.5**		16. Are ESS labels on correct containers?	**Yes** | No
Iced With: **Icepacks**		17. Were samples received intact?	**Yes** | No
6. Was COC included with samples?	Yes	ESS Sample IDs:	
7. Was COC signed and dated by client?	Yes	Sub Lab:	
8. Does the COC match the sample	Yes	Analysis:	
9. Is COC complete and correct?	Yes	TAT:	

18. Was there need to call project manager to discuss status? If yes, please explain.

_____

_____

_____

Who was called?:_____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	4 oz Soil Jar	1	NP
2	Yes	4 oz Soil Jar	1	NP
3	Yes	4 oz Soil Jar	1	NP
4	Yes	4 oz Soil Jar	1	NP
5	Yes	4 oz Soil Jar	1	NP
6	Yes	4 oz Soil Jar	1	NP
7	Yes	4 oz Soil Jar	1	NP
8	Yes	4 oz Soil Jar	1	NP

Completed By: BC Date/Time: 12/13/11
Reviewed By: _____ Date/Time: 12/22/11

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of __

Turn Time: ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:
MA-MCP Navy USACE Other NA

Reporting Limits: RDEC

ESS LAB PROJECT ID: 11220

Electronic Deliverable: Yes ✓ No ____
Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St. Suite 400

City	State	Zip	PO#
Providence	RI	02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@VHB.com CMasse@VHB.com SCourtemanche@VHB.com

Write Required Analysis

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Total Arsenic	Hold	PAHs
01	12-12-11	08:45	X		S	SS-210 0-2"	1	1	G	X		X
02	↓	08:45	↓	↓	↓	SS-211 0-2"	↓	↓	↓	X		X
03		08:54				SS-212 0-2"				X		X
04		08:55				SS-213 0-2"				X		X
05		09:04				SS-214 0-2"					X	
06		09:05				SS-215 0-2"					X	
07		09:12				SS-216 0-2"					X	
08	↓	09:15	X		X	SS-217 0-2"	X	X	X		X	

BC 12/13/11

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present: ✓ Yes ___ No
Seals Intact: ___ Yes ___ No NA: ___
Cooler Temp: 2.5°

Internal Use Only
[ ] Pickup
[ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK / CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	12-12-11 16:55		12-12-11 16:55				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

ESS Laboratory

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

CHAIN OF CUSTODY

Turn Time ✓ Standard Other ____
If faster than 5 days, prior approval by laboratory is required # ____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____

Is this project for any of the following:
MA-MCP Navy USACE Other NA

Reporting Limits: RDEC

ESS LAB PROJECT ID: 111220

Electronic Deliverable Yes ✓ No ____

Format: Excel __ Access __ PDF __ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
VHB	72016.1	Trestle Trail

Contact Person	Address
Joshua Klement	10 Dorrance St Suite 400

City	State	Zip	PO#
Providence, RI		02903	

Telephone #	Fax #	Email Address
401-272-8100		JKlement@VHB.com CMasse@VHB.com Scourtemanche@VHB.com

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres. Code	Number of Containers	Type of Containers	Write Required Analysis: Total Arsenic	Hold
05 09	12-12-11	12:26	X		S	SS-510 0'-2'	1	1	G	X	
06 10	"	12:25	"		"	SS-511 0'-2'	"	"	"	X	
07 11	"	12:34	"		"	SS-512 0'-2'	"	"	"	X	
08 12	"	12:33	"		"	SS-513 0'-2'	"	"	"	X	
	"	12:46	"		"	SS-514 0'-2'	"	"	"		X
	"	12:45	"		"	SS-515 0'-2'	"	"	"		X
	"	12:53	"		"	SS-516 0'-2'	"	"	"		X
	X	12:51	X		X	SS-517 0'-2'	X	X	X		X

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ___ Yes ___ No Internal Use Only

Seals Intact ___ Yes ___ No NA: ____ [ ] Pickup

Cooler Temp: 2.5° [ ] Technicians ____

Preservation Code 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____

Sampled by: JGK/CM

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Joshua Klement	12-12-11 16:55	Shawn Mowell	12-12-11 16:55				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

Certification Requirement

Certifications (Rule 7.05)

As mandated by Section 7.05 of the Remediation Regulations, VHB submits the following statements of certification.

Certification of Preparer:
I, Claude Masse, an employee of Vanasse Hangen Brustlin, Inc. and the preparer of this report, herby certify that the information contained within this report is accurate to the best of my knowledge.

I, Suzanne Courtemanche, LSP, CHMM, an employee of Vanasse Hangen Brustlin, Inc. have reviewed this report and certify that it is accurate and complete to the best of my knowledge.

Preparer's Signature — Date: 3/1/12

Reviewer's Signature — Date: 3/1/12

Certification by Owner/Operator:
I certify that the information contained in this report is a complete and accurate representation of the circumstances known about the release the subsequent response activities to the best of my knowledge.

Owner/Operator Signature — Date: 2/28/2012

Title: Dir Plans & Dev.

Response to Comment Letter on Compact Disk