



August 12, 2016

Mr. Joseph T. Martella II, Senior Engineer
Rhode Island Department of Environmental Management
Office of Waste Management
Site Remediation Program
235 Promenade Street
Providence, Rhode Island 02908

**RE: Parcel C-1 Phase II Area – Mashapaug Pond and Cove, Phase III Area – Northeast Upland and Parcel C Remedial Action Work Plan - Parcel C Groundwater Sampling Former Gorham Manufacturing Facility
333 Adelaide Avenue, Providence, Rhode Island
AMEC Project No. 3652150040.03**

Dear Mr. Martella:

This letter summarizes the July 6, 2016 collection of groundwater samples from locations on Parcel C/C-1 as part of the Former Gorham Manufacturing Site in Providence, Rhode Island (Figure 1). This activity was performed to supplement groundwater testing done in July and December 2015, and February and April 2016. This groundwater sampling was conducted in accordance with the Remedial Action Work Plan (RAWP) dated March 11, 2015 and the corresponding Rhode Island Department of Environmental Management (RIDEM) July 9, 2015 Order of Approval (Order of Approval).

Background

Extensive groundwater investigations were previously conducted throughout the upland portions of the Former Gorham Manufacturing Site property, including Parcel C, and within the Mashapaug Inner and Outer Coves (MACTEC, 2006a). The groundwater investigations identified low levels of VOCs in groundwater immediately upgradient of and along the southern shore of the Inner Cove (Parcels C and C-1).

Based on 2006-2010 groundwater data an historic low-level tetrachloroethylene and trichloroethylene (PCE/TCE) plume (a/k/a western plume) was identified that originates from the fill material in the northwestern corner of Parcel C. Groundwater and Inner Cove sediment data collected during the same period (2006-2010) demonstrated that a clear trend of decreasing contaminant concentrations within the groundwater had occurred over time (AMEC 2014, 2015).

RIDEM's Order of Approval requires Textron to monitor Parcel C/C-1 groundwater following completion of the remedial action, by sampling six wells (MW-235S, MW-236S, MW-237S, MW-D, MW-241, and MW-FS) until data from three consecutive sampling rounds demonstrate that Parcel C groundwater is compliant with RIDEM's GB Groundwater Objectives with no increasing concentrations of VOCs, and that Parcel C-1 groundwater is compliant with the Massachusetts Department of Environmental Protection (MassDEP) GW-3 Standards with no increasing concentrations of VOCs. The April 2016 sampling event confirmed that both MW-FS and MW-

237S met the required criteria of three consecutive decreasing rounds of groundwater data and data below the MassDEP GW-3 Standards. These two wells were eliminated from the groundwater monitoring program, as stated in our April 2016 groundwater monitoring report dated May 24, 2016 and our June 8, 2016 call to RIDEM. This fifth round of groundwater sampling included MW-235S, MW-236S, MW-D and MW-241.

Work Activities Conducted

Amec Foster Wheeler Environment and Infrastructure, Inc., (Amec Foster Wheeler) gauged the depth to water in the 4 monitoring wells on July 6, 2016 and in 13 monitoring wells located along the southern shoreline of the Inner Cove on July 14, 2016. These well locations and the groundwater contours for July 14, 2016 are shown on Figure 2 and include MW-235S, MW-236S, MW-237S, MW-238S/D, MW-231S/D, MW-244, MW-D, MW-241, MW-FS, GZA-3 and MW-109D.

Amec Foster Wheeler then sampled the four groundwater monitoring wells - MW-235S, MW-236S, MW-D and MW-241 (Figure 2) using the U.S. Environmental Protection Agency (USEPA) low-flow methodology. Samples from this July 6, 2016 round were submitted under chain-of-custody control to an off-site laboratory for VOC analysis by USEPA Method 8260B. Field data records for the groundwater sampling event are included in Appendix A.

Groundwater Sampling Results

Table 1 summarizes the historic VOC concentrations detected in the four groundwater monitoring wells including the July 2016 groundwater sampling event. VOC concentrations detected in deep wells in Parcel C (MW-D, MW-241) are measured against the RIDEM GB standards, and VOC concentrations detected in shallow wells in Parcel C-1 (MW-235S and MW-236S) are measured against MassDEP GW-3 Standards in accordance with the Order of Approval. The analytical laboratory report for the July 2016 groundwater sampling event is included in Appendix B.

As shown in Table 1, one of the two groundwater samples analyzed for VOC concentrations collected from the monitoring wells located in Parcel C exceeded the GB criteria. The concentration of TCE within MW-D increased so that it is above GB criteria. MW-241 does not exceed the GB criteria. None of the wells in Parcel C-1 exceeded the MassDEP GW-3 criteria.

VOC concentrations in MW-D had decreased three consecutive rounds from December 2015 to April 2016. The July 2016 TCE concentration increased from 0.514D mg/L to 1.36D /0.1.68 D mg/L (GB Criteria 0.54 mg/L).

VOC concentrations in MW-241 have consistently been flat or non-detect since July 2015 (five consecutive rounds). TCE has continued to be below the GB criteria since 2010.

MW-235S and MW-236S VOC concentrations have consistently been below the GW-3 criteria since 2009 and VOC concentrations have been flat and/or decreased in the last five rounds of groundwater sampling.

Groundwater Monitoring Approach

Based on the extensive groundwater data collected historically and confirmation from the recent July 2016 groundwater sampling round, VOC concentrations within the western plume have been reduced. Only MW-D exceeds the required criteria in the Order of Approval. This well contains

concentrations of TCE; no other VOCs exceed the groundwater criteria stated in the Order of Approval. As shown in Table 1, continued biodegradation of VOCs via natural attenuation is occurring in the groundwater. Planned reuse of the Parcel C/C-1 area by the City of Providence School Department is a soccer field. No buildings are planned in the area of the monitoring wells (located within the woods, detention basin and at the Inner Cove shoreline). The Draft Environmental Land Use Restrictions (ELUR) within the February 2016 Remedial Action Completion Report include the provision restricting the use of the groundwater for potable and non-potable use and that no subsurface structures can be constructed over the groundwater without prior approval from RIDEM. This ELUR will be signed and filed by the City of Providence within the Providence Land Use Records, pending RIDEM approval of the ELUR.

Textron will continue to monitor the groundwater quality at MW-D on a quarterly basis through December 2016. Textron will conduct the next groundwater sampling of MW-D in September 2016 and again in December 2016 to further assess the TCE concentrations. We will continue to monitor the groundwater through December 2016 pending compliance of the Parcel C groundwater with RIDEM's GB Groundwater Objectives and no increasing trends of VOCs. A report will be prepared and submitted to the RIDEM in October and December 2016 to update the status of this one monitoring well.

VOC concentrations in monitoring wells MW-235S, MW-236S and MW-241 all meet the RIDEM groundwater criteria specified in the 2015 Order of Approval. VOC concentrations in these three wells have been flat and/or decreased since July 2015.

Please contact the Greg Simpson (401-457-2635) or David Heislein (978-392-5327) if we can provide additional information or answer any questions concerning these groundwater monitoring data and planned sampling of MW-D in September and December 2016.

Sincerely,

Amec Foster Wheeler Environment & Infrastructure, Inc.



Elizabeth Lahti
Staff Engineer



David E. Heislein
Senior Project Manager

Enclosures: Table 1 – Summary of Parcel C/C-1 Groundwater Results 1989 – 2016
Figure 1 – Site Location Map
Figure 2 – Parcel C/C-1 Groundwater Contours July 2016
Appendix A – Field Data Records
Appendix B – Laboratory Reports – July 2016 Groundwater Sampling Event

Textron, Inc.
Former Gorham Manufacturing Facility, Providence, RI
Remedial Action Work Plan – Phase II Area- Mashapaug Pond and Cove, Phase III Area – Northeast Upland and Parcel C
Groundwater Sampling
August 12, 2016
Project No.: 3652150040.03

cc: Don Gralnek, Executive Director - Providence Redevelopment Agency
G. Simpson, Textron, Inc. (Electronic)
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Amec Foster Wheeler Project File

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TABLE 1

**Table 1
Groundwater Results 1989 - 2016
Former Goreham Manufacturing Site
Providence, RI**

Location:		MW-235S	MW-235S	MW-235S	MW-235S	MW-235S	MW-235S	MW-236S	MW-236S	MW-236S	MW-236S	MW-236S	MW-236S	MW-236S	MW-236S	MW-241	MW-241	MW-241	MW-241	MW-241	MW-241	MW-241	MW-D/B-4	MW-D/B-4	
Sample ID:		GWMW235S	MW-235S	MW-235S	MW-235S	MW-235S	MW-235	GWMW236S	GWMW236S	GWMW236S DUP	MW-236S	MW-236S	MW236S	MW-236S	MW-236	GWMW241	MW-241	MW-241	MW-241	MW-241	MW-241	MW-D	GMMWXXDXXX01XX		
Sample Date:		11/30/2009	7/15/2015	12/16/2015	2/10/2016	4/28/2016	7/6/2016	11/30/2009	8/9/2010	8/9/2010	7/15/2015	12/16/2015	2/10/2016	4/28/2016	7/6/2016	8/10/2010	7/15/2015	12/16/2015	2/10/2016	4/28/2016	7/6/2016	4/13/1989	9/21/1994		
Parameter Name	Units	GB	GW-3																						
Vinyl chloride	MG/L	NS	50	0.0021	0.001 U	0.001 U	0.001 U	0.001 U	0.0011	0.0017	0.0014	0.0014	0.0018	0.001 U	0.001 U	0.0015	0.0017	0.0005 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.02 U	0.02 U
Xylenes, Total	MG/L	NS	5	0.003 U	0.002 U					0.003 U	0.003 U	0.003 U	0.002 U					0.003 U	0.002 U				0.01 U	0.02 U	
Aluminum	MG/L	NS	NS																					0.3	
Antimony	MG/L	NS	8																					0.1 U	
Arsenic	MG/L	NS	0.9																					0.01 U	
Barium	MG/L	NS	50																					0.2 U	
Beryllium	MG/L	NS	0.2																					0.01 U	
Cadmium	MG/L	NS	0.004																					0.005 U	
Calcium	MG/L	NS	NS																					49.3	
Chromium	MG/L	NS	0.3																					0.05 U	
Cobalt	MG/L	NS	NS																					0.05 U	
Copper	MG/L	NS	NS																					0.02 U	
Iron	MG/L	NS	NS																					0.1 U	
Lead	MG/L	NS	0.01																					0.016	
Magnesium	MG/L	NS	NS																					15.7	
Manganese	MG/L	NS	NS																					0.47	
Mercury	MG/L	NS	0.02																					0.0005 U	
Nickel	MG/L	NS	0.2																					0.04 U	
Potassium	MG/L	NS	NS																					1.8	
Selenium	MG/L	NS	0.1																					0.01 U	
Silver	MG/L	NS	0.007																					0.01 U	
Sodium	MG/L	NS	NS																					25.1	
Thallium	MG/L	NS	3																					0.01 U	
Vanadium	MG/L	NS	4																					0.05 U	
Zinc	MG/L	NS	0.9																					0.05	
Total Cyanide	MG/L	NS	0.03																					0.01 U	

Notes:
mg/L - milligrams per liter
NS - No Standard Established
U - Not detected
J - Estimated Value
D - Dilution
Concentrations did not exceed Massachusetts Contingency Plan GW-3 criteria per the approved April 2001 Remedial Action Work Plan.
Ambient Water Quality Criteria (AWQC) does not apply to the above volatile organic compounds.
Yellow highlighted cells exceed the applicable GB Criteria or MCP GW-3 Criteria
MW-235S, 236S and 237S are compared to GW-3 Criteria.
MW-D and MW-241 are compared to RIDEM GB Criteria.

Table 1
Groundwater Results 1989 - 2016
Former Goreham Manufacturing Site
Providence, RI

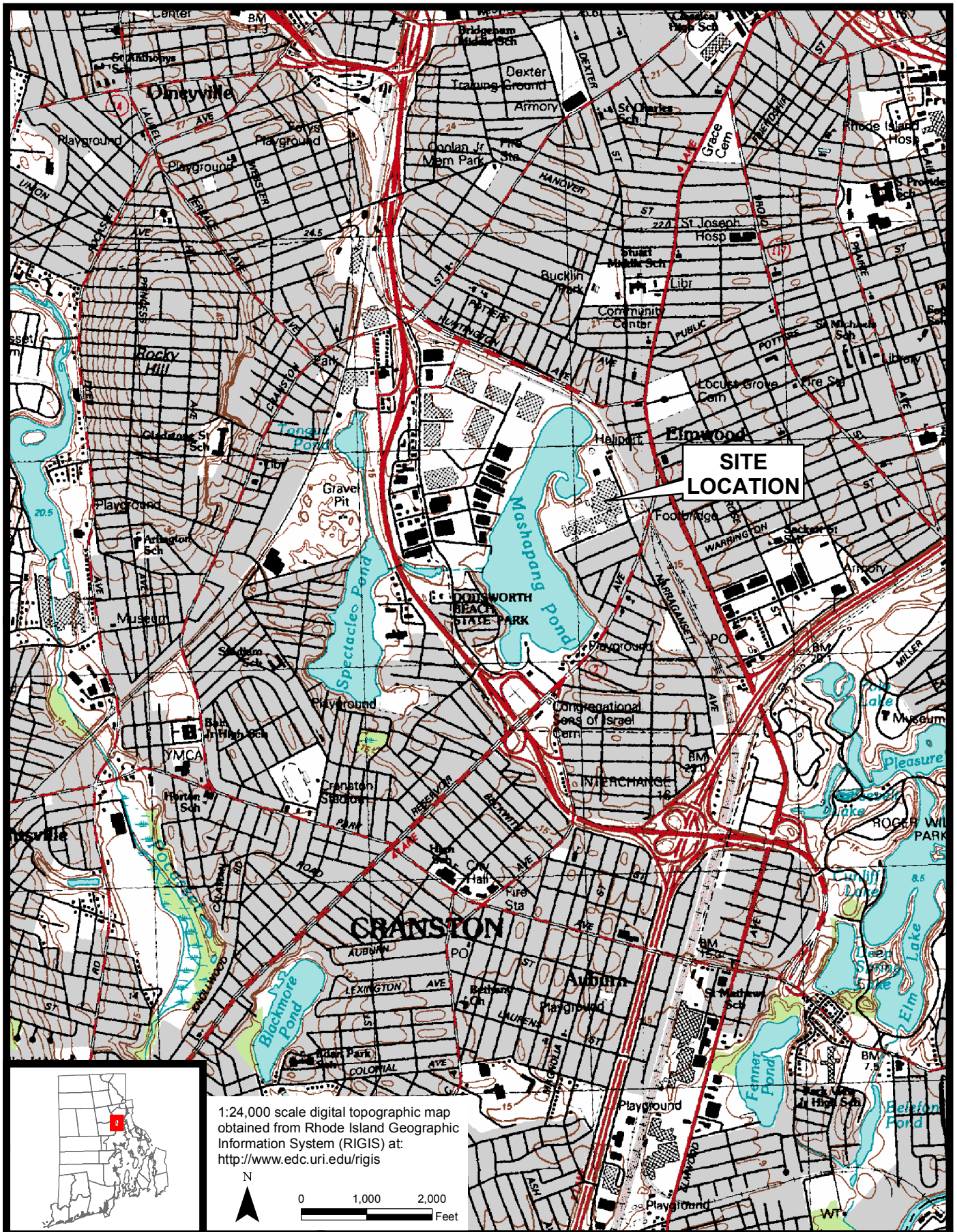
Location:		MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	
Sample ID:		MW-D	MW-D	GWMWD	MW-D	DUP-01	MW-D	MW-D	DUP-1	MW-D	Dup-01	MW-D	Dup-01		
Sample Date:		10/15/1997	12/9/1998	2/19/2010	7/15/2015	7/15/2015	12/17/2015	2/10/2016	2/10/2016	4/28/2016	4/28/2016	7/6/2016	7/6/2016		
Parameter Name	Units	GB	GW-3												
1,1,1,2-Tetrachloroethane	MG/L	NS	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		
1,1,1-Trichloroethane	MG/L	3.1	20	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		
1,1,2,2-Tetrachloroethane	MG/L	NS	50		0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U		
1,1,2-Trichloroethane	MG/L	NS	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		
1,1-Dichloroethane	MG/L	NS	20	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U		
1,1-Dichloroethene	MG/L	0.007	30	0.005 U	0.001 U	0.0011	0.0026	0.0025	0.0114	0.0065	0.0069	0.002	0.0019	0.0049	0.0048
1,1-Dichloropropene	MG/L	NS	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
1,2,3-Trichlorobenzene	MG/L	NS	NS	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2,3-Trichloropropane	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2,4-Trichlorobenzene	MG/L	NS	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2,4-Trimethylbenzene	MG/L	NS	NS	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dibromo-3-chloropropane	MG/L	0.002	NS		0.002 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
1,2-Dibromoethane (EDB)	MG/L	NS	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichlorobenzene	MG/L	NS	2		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloroethane	MG/L	0.11	20	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,2-Dichloroethene (total)	MG/L	NS	NS												
1,2-Dichloropropane	MG/L	3	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,3,5-Trimethylbenzene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,3-Dichlorobenzene	MG/L	NS	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,3-Dichloropropane	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,4-Dichlorobenzene	MG/L	NS	8		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
1,4-Dioxane	MG/L	NS	50			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	
1-Chlorohexane	MG/L	NS	NS			0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
2,2-Dichloropropane	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
2-Butanone	MG/L	NS	50		0.02 U	0.025 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	
2-Chlorotoluene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
2-Hexanone	MG/L	NS	NS		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	
4-Chlorotoluene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
4-Isopropyltoluene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
4-Methyl-2-pentanone	MG/L	NS	50		0.01 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	
Acetone	MG/L	NS	50	0.1 U	0.02 U	0.025 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	
Benzene	MG/L	0.14	10	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromobenzene	MG/L	NS	NS		0.001 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Bromochloromethane	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromodichloromethane	MG/L	NS	50		0.001 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	
Bromoform	MG/L	NS	50		0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Bromomethane	MG/L	NS	0.8		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Carbon disulfide	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Carbon tetrachloride	MG/L	0.07	5		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chlorobenzene	MG/L	3.2	1		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloroethane	MG/L	NS	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Chloroform	MG/L	NS	20	0.005 U	0.002	0.0002 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Chloromethane	MG/L	NS	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
cis-1,2-Dichloroethene	MG/L	2.4	50	0.101	0.07	0.0392	0.0506	0.0466	0.136 D	0.0742	0.0791	0.0294	0.0258	0.0827	0.0858
cis-1,3-Dichloropropene	MG/L	NS	NS		0.0005 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	
Dibromochloromethane	MG/L	NS	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dibromomethane	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Dichlorodifluoromethane	MG/L	NS	NS		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Diethyl ether	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Diisopropyl ether	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Ethyl tertiary-butyl ether	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Ethylbenzene	MG/L	1.6	5	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Hexachlorobutadiene	MG/L	NS	3	0.005 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	
Hexachloroethane	MG/L	NS	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Isopropylbenzene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
m,p-Xylene	MG/L	NS	5		0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Methylene chloride	MG/L	NS	50	0.005 U	0.001 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	
Methyl-t-butyl ether	MG/L	5	50		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Naphthalene	MG/L	NS	20	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
n-Butylbenzene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
n-Propyl Benzene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
o-Xylene	MG/L	NS	5		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
sec-Butylbenzene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Styrene	MG/L	2.2	6		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
tert-Butylbenzene	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Tertiary-aryl methyl ether	MG/L	NS	NS		0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Tetrachloroethene	MG/L	0.15	30	0.012	0.008	0.0044	0.0017	0.0016	0.0037	0.0023	0.0024	0.001 U	0.001 U	0.0035	0.0034
Tetrahydrofuran	MG/L	NS	NS		0.001 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	
Toluene	MG/L	1.7	40	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
trans-1,2-Dichloroethene	MG/L	2.8	50	0.005 U	0.001 U	0.0004 J	0.0015	0.0013	0.004	0.0027	0.0031	0.0011	0.001 U	0.0019	0.0023
trans-1,3-Dichloropropene	MG/L	NS	NS		0.0005 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	
Trichloroethene	MG/L	0.54	5	0.37	0.272	0.761 D	0.826 D	0.851 D	3.06 D	1.73 D	1.71 D	0.499 D	0.514 D	1.36 D	1.68 D
Trichlorofluoromethane	MG/L	NS	NS		0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trihalomethanes, Total	MG/L	NS	NS			0.0036 U	0.001 U	0.001 U							
Vinyl acetate	MG/L	NS	NS			0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

**Table 1
Groundwater Results 1989 - 2016
Former Goreham Manufacturing Site
Providence, RI**

Location:		MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	MW-D/B-4	
Sample ID:		MW-D	MW-D	GWMWD	MW-D	DUP-01	MW-D	MW-D	DUP-1	MW-D	Dup-01	MW-D	Dup-01		
Sample Date:		10/15/1997	12/9/1998	2/19/2010	7/15/2015	7/15/2015	12/17/2015	2/10/2016	2/10/2016	4/28/2016	4/28/2016	7/6/2016	7/6/2016		
Parameter Name	Units	GB	GW-3												
Vinyl chloride	MG/L	NS	50	0.01 U	0.003	0.003	0.0033	0.003	0.0034	0.0024	0.001 U	0.001	0.001	0.0045	0.0045
Xylenes, Total	MG/L	NS	5	0.005 U	0.001 U	0.003 U	0.002 U	0.002 U							
Aluminum	MG/L	NS	NS												
Antimony	MG/L	NS	8												
Arsenic	MG/L	NS	0.9												
Barium	MG/L	NS	50												
Beryllium	MG/L	NS	0.2												
Cadmium	MG/L	NS	0.004												
Calcium	MG/L	NS	NS												
Chromium	MG/L	NS	0.3												
Cobalt	MG/L	NS	NS												
Copper	MG/L	NS	NS												
Iron	MG/L	NS	NS												
Lead	MG/L	NS	0.01		0.005 U										
Magnesium	MG/L	NS	NS												
Manganese	MG/L	NS	NS												
Mercury	MG/L	NS	0.02												
Nickel	MG/L	NS	0.2												
Potassium	MG/L	NS	NS												
Selenium	MG/L	NS	0.1												
Silver	MG/L	NS	0.007												
Sodium	MG/L	NS	NS												
Thallium	MG/L	NS	3												
Vanadium	MG/L	NS	4												
Zinc	MG/L	NS	0.9												
Total Cyanide	MG/L	NS	0.03												

Notes:
mg/L - milligrams per liter
NS - No Standard Established
U - Not detected
J - Estimated Value
D - Dilution
Concentrations did not exceed Massachusetts Contingency Plan C per the approved April 2001 Remedial Action Work Plan.
Ambient Water Quality Criteria (AWQC) does not apply to the above volatile organic compounds.
Yellow highlighted cells exceed the applicable GB Criteria or MCP (MW-235S, 236S and 237S are compared to GW-3 Criteria. MW-D and MW-241 are compared to RIDEM GB Criteria.

FIGURES



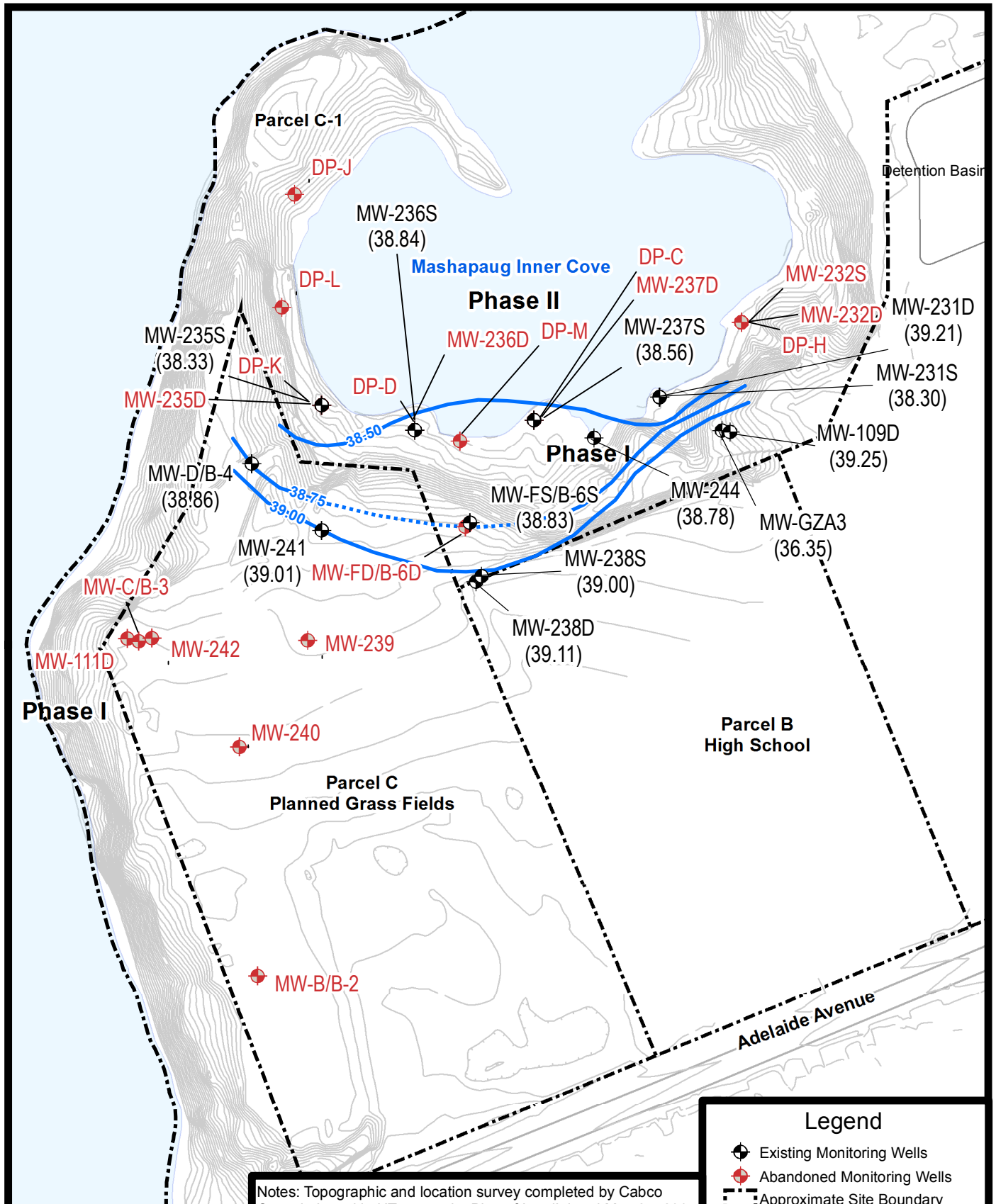
Former Gorham Manufacturing Site
 333 Adelaide Avenue
 Providence, RI



Site Location Map

Project 3652-15-0040

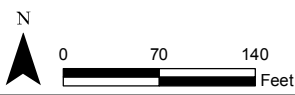
Figure 1



Notes: Topographic and location survey completed by Cabco Consult, Inc. titled 'Topographic Plan of Land' dated May 24, 2007. Parcel B topography and field survey completed by Edward Rowse Architects Titled "Providence High School, Gorham Mills, Providence Rhode Island, Site Plan" dated 2007.

Legend

- Existing Monitoring Wells
- Abandoned Monitoring Wells
- Approximate Site Boundary
- Elevation
- Groundwater Contour
- Inferred Groundwater Contour



Former Gorham Manufacturing Site
333 Adelaide Avenue
Providence, RI



Parcel C/C-1 Groundwater Contours
July 14, 2016
Project 3652-15-0040 Figure 2

APPENDIX A

Field Data Records

July 6, 2016 Groundwater Sampling Event

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: TEXTRON/ GORTHAM WELL ID: MW-D
 SAMPLE ID: MW-D SITE TYPE: RIDEM DATE: 7/6/16
 TIME START: 9:28 END: 10:30 JOB NUMBER: 3652150010 BOTTLE TIME: 10:25

WATER LEVEL / PUMP SETTINGS
 QC SAMPLE COLLECTED: DP-01/MSH
 INITIAL DEPTH TO WATER: 21.29 FT.
 FINAL DEPTH TO WATER: 21.37 FT.
 DRAWDOWN VOLUME: 0.01 GAL.
 TOTAL VOL. PURGED: GAL.
(purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/ml)

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER

PROTECTIVE CASING STICKUP (FROM GROUND): FT.
 PROTECTIVE CASING / WELL DIFFERENCE: FT.
 WELL DEPTH (TOR): 32 FT.
 SCREEN LENGTH: FT.
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: 0.01

PID AMBIENT AIR: PPMV
 PID WELL MOUTH: PPMV
 PRESSURE TO PUMP: PSI
 REFILL TIMER SETTING: SEC.

WELL DIAMETER: 2 IN.
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED YES NO N/A
 COLLAR YES NO N/A
 DISCHARGE TIMER SETTING: SEC.

PURGE DATA

TIME (5 min.)	DEPTH TO WATER (ft.) (0.3 ft.)	PURGE RATE (ml/min) (100-400)	TEMP. (deg. C) (3%)	SPEC. COND. (uS/cm) (3%)	pH (units) (+/- 0.1)	DISS. O2 (mg/L) (10%) (>0.5)	TURBIDITY (NTU) (10%) (>5)	ORP (mV) (+/- 10 mV)	SAMPLE DEPTH	COMMENTS
9:25	21.37	205	12.68	.773	6.28	3.29	9.97	168.6		
9:30	21.36	202	12.55	.778	6.23	3.34	3.40	131.4		
9:35	21.37	100	12.64	.778	6.20	2.17	3.16	158.9		
9:48	21.37	110	12.62	.778	6.18	1.51	4.63	146.2		
9:45	21.37	120	12.78	.777	6.18	1.13	4.2.88	121.9		
9:50	21.37	110	12.96	.777	6.18	1.07	4.16	111.2		
9:55	21.37	110	13.00	.776	6.17	.90	3.05	101.3		
10:02	21.37	110	12.92	.773	6.17	.80	2.29	89.6		
10:08	21.37	85	12.93	.770	6.52	.75	1.71	77.7		
10:10	21.37	100	12.81	.768	6.17	.73	1.47	78.2		
10:15	21.37	110	12.83	.765	6.18	.72	1.13	76.2		
10:20	21.37	110	12.84	.751	6.19	.57	.99	73.9		
10:25										

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: QED BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: TEFLON OR TEFLON LINED HIGH DENSITY POLYETHYLENE LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL SILICON (Dedicated)
 TYPE OF BLADDER MATERIAL: TEFLON OTHER

ANALYTICAL PARAMETERS

To Be Collected

METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> VOCs 8260B	HCL / 4 DEG. C	3 X 40 mL VOA Vial	<input checked="" type="checkbox"/> VOCs
<input checked="" type="checkbox"/> DP-01 XXXX			<input checked="" type="checkbox"/>
<input type="checkbox"/> MW-D/MS 10:25			<input type="checkbox"/>
<input type="checkbox"/> MW-D/MSD 10:25			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>
<input type="checkbox"/>			<input type="checkbox"/>

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO NUMBER OF GALLONS GENERATED:

NOTES:
 amec foster wheeler 

SIGNATURE: [Signature]

Prepared by:
 Checked by:

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT: GORHAM METALWORK WELL ID: MW-236S
 SAMPLE ID: MW-236S SITE TYPE: RIDEM DATE: 7/6/16
 TIME START: 0751 END: _____ JOB NUMBER: 3-C52150040 BOTTLE TIME: 1040

WATER LEVEL / PUMP SETTINGS
 QC SAMPLE COLLECTED: NO
 MEASUREMENT POINT: TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____
 PROTECTIVE CASING STICKUP (FROM GROUND): _____ FT.
 PROTECTIVE CASING / WELL DIFFERENCE: _____ FT.
 INITIAL DEPTH TO WATER: 6.13 FT.
 WELL DEPTH (TOR): 16.89 FT.
 PID AMBIENT AIR: _____ PPMV
 WELL DIAMETER: _____ IN.
 FINAL DEPTH TO WATER: _____ FT.
 SCREEN LENGTH: _____ FT.
 PID WELL MOUTH: _____ PPMV
 WELL INTEGRITY: CAP YES NO N/A
 CASING LOCKED _____
 COLLAR _____
 DRAWDOWN VOLUME: _____ GAL
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED: _____
 PRESSURE TO PUMP: _____ PSI
 DISCHARGE TIMER SETTING: _____ SEC.
 TOTAL VOL. PURGED: _____ GAL.
 REFILL TIMER SETTING: _____ SEC.
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/ml)

PURGE DATA

TIME (5 min.)	DEPTH TO WATER (ft.) (0.3 ft.)	PURGE RATE (ml/min) (100-400)	TEMP. (deg. C) (3%)	SPEC. COND. (uS/cm) (3%)	pH (units) (+/- 0.1)	DISS. O2 (mg/L) (10%) (>0.5)	TURBIDITY (NTU) (10%) (>5)	ORP (mV) (+/- 10 mV)	SAMPLE DEPTH	COMMENTS
<u>7:54 start sample</u>		<u>0756</u>			<u>DNV @ 0800</u>					
<u>1040</u>		<u>recharge sample</u>								

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: QED BLADDER SIMCO BLADDER GEOPUMP
 TYPE OF TUBING: TEFLON OR TEFLON LINED HIGH DENSITY POLYETHYLENE LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE STAINLESS STEEL SILICON (Dedicated)
 TYPE OF BLADDER MATERIAL: TEFLON OTHER _____

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> VOCs	8260B	HCL / 4 DEG. C	3 X 40 mL VOA Vial	<u>3</u> VOCs
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>

PURGE OBSERVATIONS
 PURGE WATER CONTAINERIZED: YES NO
 NUMBER OF GALLONS GENERATED: _____
 SIGNATURE: [Signature]

NOTES:
 amec foster wheeler 
 Prepared by: _____
 Checked by: _____

FIELD DATA RECORD - LOW FLOW GROUNDWATER SAMPLING

PROJECT Texton baham WELL ID MW-2355
 SAMPLE ID MW-2355 SITE TYPE Industrial DATE 7/6/16
 TIME START 0810 END 1100 JOB NUMBER 365210040 BOTTLE TIME 1055

WATER LEVEL / PUMP SETTINGS

QC SAMPLE COLLECTED

MEASUREMENT POINT
 TOP OF WELL RISER
 TOP OF PROTECTIVE CASING
 OTHER _____

PROTECTIVE CASING STICKUP (FROM GROUND) _____ FT.
 PROTECTIVE CASING / WELL DIFFERENCE _____ FT.

INITIAL DEPTH TO WATER 2.92 FT.
 FINAL DEPTH TO WATER dry FT.
 DRAWDOWN VOLUME dry GAL.
 (initial - final x 0.16 [2-inch] or x 0.65 [4-inch])

WELL DEPTH (TOR) 26.41 FT.
 SCREEN LENGTH _____ FT.
 RATIO OF DRAWDOWN VOLUME TO TOTAL VOLUME PURGED _____

PID AMBIENT AIR _____ PPMV
 PID WELL MOUTH _____ PPMV
 PRESSURE TO PUMP _____ PSI
 REFILL TIMER SETTING _____ SEC.

WELL DIAMETER 2.1 IN.
 WELL INTEGRITY: YES NO N/A
 CASING LOCKED _____
 COLLAR _____

TOTAL VOL. PURGED dry GAL.
 (purge rate (milliliters per minute) x time duration (minutes) x 0.00026 gal/ml)

DISCHARGE TIMER SETTING _____ SEC.

PURGE DATA

TIME (5 min.)	DEPTH TO WATER (ft.) (0.3 ft.)	PURGE RATE (ml/min) (100-400)	TEMP. (deg. C) (3%)	SPEC. COND. (uS/cm) (3%)	pH (units) (+/- 0.1)	DISS. O2 (mg/L) (10%) (>0.5)	TURBIDITY (NTU) (10%) (>5)	ORP (mV) (+/- 10 mV)	SAMPLE DEPTH	COMMENTS
										<u>8:15 start pump 8:19 purge done</u> <u>10:55 collect recharge sands</u>

EQUIPMENT DOCUMENTATION

TYPE OF PUMP: QED BLADDER, SIMCO BLADDER, GEOPUMP
 TYPE OF TUBING: TEFLON OR TEFLON LINED, HIGH DENSITY POLYETHYLENE, LDPE
 TYPE OF PUMP MATERIAL: POLYVINYL CHLORIDE, STAINLESS STEEL, SILICON (Dedicated)
 TYPE OF BLADDER MATERIAL: TEFLON, OTHER _____

ANALYTICAL PARAMETERS

To Be Collected	METHOD NUMBER	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED
<input checked="" type="checkbox"/> VOCs	8260B	HCL / 4 DEG. C	3 X 40 mL VOA Vial	<input checked="" type="checkbox"/> VOCs
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
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<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>
<input type="checkbox"/>				<input type="checkbox"/>

PURGE OBSERVATIONS

PURGE WATER CONTAINERIZED: YES NO

NUMBER OF GALLONS GENERATED: _____

SIGNATURE: [Signature]

NOTES:

amec foster wheeler 

Prepared by: _____
 Checked by: _____

APPENDIX B

Laboratory Reports

July 6, 2016 Groundwater Sampling Event



CERTIFICATE OF ANALYSIS

David Heislein
AMEC Foster Wheeler
271 Mill Road
Chelmsford, MA 01824

RE: Textron Gorham - Groundwater (3652150040)
ESS Laboratory Work Order Number: 1607061

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 ESS Laboratory at 5:11 pm, Jul 28, 2016

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.

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



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

SAMPLE RECEIPT

The following samples were received on July 06, 2016 for the analyses specified on the enclosed Chain of Custody Record.

Revision 1, July 28, 2016: This report has been revised to include a correction on the header of sequence CZG0130CCV1.

Lab Number	Sample Name	Matrix	Analysis
1607061-01	MW-241	Ground Water	8260B
1607061-02	MW-D	Ground Water	8260B
1607061-03	MW-236	Ground Water	8260B
1607061-04	MW-235	Ground Water	8260B
1607061-05	Dup-01	Ground Water	8260B
1607061-06	Trip Blank-01	Aqueous	8260B



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

PROJECT NARRATIVE

8260B Volatile Organic Compounds

- CG60737-BSD1 Relative percent difference for duplicate is outside of criteria (D+).
Tetrahydrofuran (28% @ 25%)
- CG60837-BS1 Blank Spike recovery is above upper control limit (B+).
Diethyl Ether (188% @ 70-130%)
- CG60837-BSD1 Blank Spike recovery is above upper control limit (B+).
Acetone (142% @ 70-130%), Diethyl Ether (205% @ 70-130%)
- CG60837-MS1 Due to high target values, matrix spike analyte(s) is masked (MT).
Trichloroethene (-4190% @ 70-130%)
- CG60837-MS1 Matrix Spike recovery is above upper control limit (M+).
1,2-Dichloropropane (135% @ 70-130%)
- CG60837-MS1 Matrix Spike recovery is below lower control limit (M-).
Bromomethane (37% @ 70-130%), Tetrahydrofuran (67% @ 70-130%)
- CG60837-MS1 Reported above the quantitation limit; Estimated value (E).
Trichloroethene
- CG60837-MSD1 Due to high target values, matrix spike analyte(s) is masked (MT).
Trichloroethene (-4160% @ 70-130%)
- CG60837-MSD1 Matrix Spike recovery is above upper control limit (M+).
1,2-Dichloropropane (138% @ 70-130%), cis-1,2-Dichloroethene (146% @ 70-130%)
- CG60837-MSD1 Matrix Spike recovery is below lower control limit (M-).
Bromomethane (50% @ 70-130%), Tetrahydrofuran (69% @ 70-130%)
- CG60837-MSD1 Relative percent difference for duplicate is outside of criteria (D+).
Bromomethane (31% @ 30%)
- CG60837-MSD1 Reported above the quantitation limit; Estimated value (E).
Trichloroethene
- CG61138-BS1 Blank Spike recovery is below lower control limit (B-).
Bromomethane (58% @ 70-130%)
- CG61138-BSD1 Blank Spike recovery is below lower control limit (B-).
Bromomethane (66% @ 70-130%)
- CZG0095-CCV1 Continuing Calibration %Diff/Drift is above control limit (CD+).
Diethyl Ether (109% @ 30%)
- CZG0130-CCV1 Continuing Calibration %Diff/Drift is below control limit (CD-).
Bromomethane (50% @ 30%)

No other observations noted.

End of Project Narrative.



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

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](#)

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

- 1010A - Flashpoint
- 6010C - ICP
- 6020A - ICP MS
- 7010 - Graphite Furnace
- 7196A - Hexavalent Chromium
- 7470A - Aqueous Mercury
- 7471B - Solid Mercury
- 8011 - EDB/DBCP/TCP
- 8015D - GRO/DRO
- 8081B - Pesticides
- 8082A - PCB
- 8100M - TPH
- 8151A - Herbicides
- 8260B - VOA
- 8270D - SVOA
- 8270D SIM - SVOA Low Level
- 9014 - Cyanide
- 9038 - Sulfate
- 9040C - Aqueous pH
- 9045D - Solid pH (Corrosivity)
- 9050A - Specific Conductance
- 9056A - Anions (IC)
- 9060A - TOC
- 9095B - Paint Filter
- MADEP 04-1.1 - EPH / VPH

Prep Methods

- 3005A - Aqueous ICP Digestion
- 3020A - Aqueous Graphite Furnace / ICP MS Digestion
- 3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
- 3060A - Solid Hexavalent Chromium Digestion
- 3510C - Separatory Funnel Extraction
- 3520C - Liquid / Liquid Extraction
- 3540C - Manual Soxhlet Extraction
- 3541 - Automated Soxhlet Extraction
- 3546 - Microwave Extraction
- 3580A - Waste Dilution
- 5030B - Aqueous Purge and Trap
- 5030C - Aqueous Purge and Trap
- 5035 - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-241
Date Sampled: 07/06/16 09:15
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-01
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,1,1-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,1,2,2-Tetrachloroethane	ND (0.0005)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,1,2-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,1-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,1-Dichloroethene	0.0020 (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,1-Dichloropropene	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2,3-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2,3-Trichloropropane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2,4-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2,4-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2-Dibromo-3-Chloropropane	ND (0.0050)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2-Dibromoethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,3,5-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,3-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,3-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,4-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1,4-Dioxane - Screen	ND (0.500)		8260B		1	07/08/16 13:37	CZG0095	CG60837
1-Chlorohexane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
2,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
2-Butanone	ND (0.0100)		8260B		1	07/08/16 13:37	CZG0095	CG60837
2-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
2-Hexanone	ND (0.0100)		8260B		1	07/08/16 13:37	CZG0095	CG60837
4-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
4-Isopropyltoluene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
4-Methyl-2-Pentanone	ND (0.0250)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Acetone	ND (0.0100)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Benzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Bromobenzene	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-241
Date Sampled: 07/06/16 09:15
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-01
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Bromodichloromethane	ND (0.0006)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Bromoform	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Bromomethane	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Carbon Disulfide	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Carbon Tetrachloride	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Chlorobenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Chloroethane	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Chloroform	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Chloromethane	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837
cis-1,2-Dichloroethene	0.0232 (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
cis-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Dibromochloromethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Dibromomethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Dichlorodifluoromethane	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Diethyl Ether	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Di-isopropyl ether	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Ethyl tertiary-butyl ether	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Ethylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Hexachlorobutadiene	ND (0.0006)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Hexachloroethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Isopropylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Methyl tert-Butyl Ether	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Methylene Chloride	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Naphthalene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
n-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
n-Propylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
sec-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Styrene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
tert-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Tertiary-amyl methyl ether	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Tetrachloroethene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-241
Date Sampled: 07/06/16 09:15
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-01
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0050)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Toluene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
trans-1,2-Dichloroethene	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
trans-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Trichloroethene	0.266 (0.0100)		8260B		10	07/11/16 13:41	CZG0095	CG60837
Trichlorofluoromethane	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Vinyl Acetate	ND (0.0050)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Vinyl Chloride	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Xylene O	ND (0.0010)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Xylene P,M	ND (0.0020)		8260B		1	07/08/16 13:37	CZG0095	CG60837
Xylenes (Total)	ND (0.0020)		8260B		1	07/08/16 13:37		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>95 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>89 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-241
Date Sampled: 07/06/16 09:15
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-01RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,1,1-Trichloroethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,1,2,2-Tetrachloroethane	ND (0.0050)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,1,2-Trichloroethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,1-Dichloroethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,1-Dichloroethene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,1-Dichloropropene	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2,3-Trichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2,3-Trichloropropane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2,4-Trichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2,4-Trimethylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2-Dibromo-3-Chloropropane	ND (0.0500)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2-Dibromoethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2-Dichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2-Dichloroethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,2-Dichloropropane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,3,5-Trimethylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,3-Dichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,3-Dichloropropane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,4-Dichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1,4-Dioxane - Screen	ND (5.00)		8260B		10	07/11/16 13:41	CZG0130	CG61138
1-Chlorohexane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
2,2-Dichloropropane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
2-Butanone	ND (0.100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
2-Chlorotoluene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
2-Hexanone	ND (0.100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
4-Chlorotoluene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
4-Isopropyltoluene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
4-Methyl-2-Pentanone	ND (0.250)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Acetone	ND (0.100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Benzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Bromobenzene	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-241
Date Sampled: 07/06/16 09:15
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-01RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Bromodichloromethane	ND (0.0060)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Bromoform	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Bromomethane	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Carbon Disulfide	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Carbon Tetrachloride	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Chlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Chloroethane	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Chloroform	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Chloromethane	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138
cis-1,2-Dichloroethene	0.0221 (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
cis-1,3-Dichloropropene	ND (0.0040)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Dibromochloromethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Dibromomethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Dichlorodifluoromethane	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Diethyl Ether	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Di-isopropyl ether	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Ethyl tertiary-butyl ether	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Ethylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Hexachlorobutadiene	ND (0.0060)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Hexachloroethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Isopropylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Methyl tert-Butyl Ether	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Methylene Chloride	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Naphthalene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
n-Butylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
n-Propylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
sec-Butylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Styrene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
tert-Butylbenzene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Tertiary-amyl methyl ether	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Tetrachloroethene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-241
Date Sampled: 07/06/16 09:15
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-01RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0500)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Toluene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
trans-1,2-Dichloroethene	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
trans-1,3-Dichloropropene	ND (0.0040)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Trichloroethene	0.266 (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Trichlorofluoromethane	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Vinyl Acetate	ND (0.0500)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Vinyl Chloride	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Xylene O	ND (0.0100)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Xylene P,M	ND (0.0200)		8260B		10	07/11/16 13:41	CZG0130	CG61138
Xylenes (Total)	ND (0.0200)		8260B		10	07/11/16 13:41		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	88 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	87 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	92 %		70-130
<i>Surrogate: Toluene-d8</i>	88 %		70-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-D
Date Sampled: 07/06/16 10:25
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-02
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,1,1-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,1,2,2-Tetrachloroethane	ND (0.0005)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,1,2-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,1-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,1-Dichloroethene	0.0049 (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,1-Dichloropropene	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2,3-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2,3-Trichloropropane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2,4-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2,4-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2-Dibromo-3-Chloropropane	ND (0.0050)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2-Dibromoethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,3,5-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,3-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,3-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,4-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1,4-Dioxane - Screen	ND (0.500)		8260B		1	07/08/16 14:04	CZG0095	CG60837
1-Chlorohexane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
2,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
2-Butanone	ND (0.0100)		8260B		1	07/08/16 14:04	CZG0095	CG60837
2-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
2-Hexanone	ND (0.0100)		8260B		1	07/08/16 14:04	CZG0095	CG60837
4-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
4-Isopropyltoluene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
4-Methyl-2-Pentanone	ND (0.0250)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Acetone	ND (0.0100)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Benzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Bromobenzene	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-D
Date Sampled: 07/06/16 10:25
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-02
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Bromodichloromethane	ND (0.0006)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Bromoform	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Bromomethane	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Carbon Disulfide	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Carbon Tetrachloride	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Chlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Chloroethane	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Chloroform	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Chloromethane	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837
cis-1,2-Dichloroethene	0.0827 (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
cis-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Dibromochloromethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Dibromomethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Dichlorodifluoromethane	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Diethyl Ether	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Di-isopropyl ether	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Ethyl tertiary-butyl ether	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Ethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Hexachlorobutadiene	ND (0.0006)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Hexachloroethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Isopropylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Methyl tert-Butyl Ether	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Methylene Chloride	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Naphthalene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
n-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
n-Propylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
sec-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Styrene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
tert-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Tertiary-amyl methyl ether	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Tetrachloroethene	0.0035 (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
 Client Project ID: Textron Gorham - Groundwater
 Client Sample ID: MW-D
 Date Sampled: 07/06/16 10:25
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
 ESS Laboratory Sample ID: 1607061-02
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0050)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Toluene	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
trans-1,2-Dichloroethene	0.0019 (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
trans-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Trichloroethene	1.36 (0.0500)		8260B		50	07/11/16 14:35	CZG0095	CG60837
Trichlorofluoromethane	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Vinyl Acetate	ND (0.0050)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Vinyl Chloride	0.0045 (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Xylene O	ND (0.0010)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Xylene P,M	ND (0.0020)		8260B		1	07/08/16 14:04	CZG0095	CG60837
Xylenes (Total)	ND (0.0020)		8260B		1	07/08/16 14:04		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>91 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>95 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>88 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-D
Date Sampled: 07/06/16 10:25
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-02RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,1,1-Trichloroethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,1,2,2-Tetrachloroethane	ND (0.0250)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,1,2-Trichloroethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,1-Dichloroethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,1-Dichloroethene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,1-Dichloropropene	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2,3-Trichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2,3-Trichloropropane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2,4-Trichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2,4-Trimethylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2-Dibromo-3-Chloropropane	ND (0.250)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2-Dibromoethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2-Dichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2-Dichloroethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,2-Dichloropropane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,3,5-Trimethylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,3-Dichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,3-Dichloropropane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,4-Dichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1,4-Dioxane - Screen	ND (25.0)		8260B		50	07/11/16 14:35	CZG0130	CG61138
1-Chlorohexane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
2,2-Dichloropropane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
2-Butanone	ND (0.500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
2-Chlorotoluene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
2-Hexanone	ND (0.500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
4-Chlorotoluene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
4-Isopropyltoluene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
4-Methyl-2-Pentanone	ND (1.25)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Acetone	ND (0.500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Benzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Bromobenzene	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
 Client Project ID: Textron Gorham - Groundwater
 Client Sample ID: MW-D
 Date Sampled: 07/06/16 10:25
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
 ESS Laboratory Sample ID: 1607061-02RE1
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Bromodichloromethane	ND (0.0300)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Bromoform	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Bromomethane	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Carbon Disulfide	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Carbon Tetrachloride	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Chlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Chloroethane	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Chloroform	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Chloromethane	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138
cis-1,2-Dichloroethene	0.0745 (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
cis-1,3-Dichloropropene	ND (0.0200)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Dibromochloromethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Dibromomethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Dichlorodifluoromethane	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Diethyl Ether	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Di-isopropyl ether	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Ethyl tertiary-butyl ether	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Ethylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Hexachlorobutadiene	ND (0.0300)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Hexachloroethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Isopropylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Methyl tert-Butyl Ether	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Methylene Chloride	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Naphthalene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
n-Butylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
n-Propylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
sec-Butylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Styrene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
tert-Butylbenzene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Tertiary-amyl methyl ether	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Tetrachloroethene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-D
Date Sampled: 07/06/16 10:25
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-02RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.250)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Toluene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
trans-1,2-Dichloroethene	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
trans-1,3-Dichloropropene	ND (0.0200)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Trichloroethene	1.36 (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Trichlorofluoromethane	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Vinyl Acetate	ND (0.250)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Vinyl Chloride	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Xylene O	ND (0.0500)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Xylene P,M	ND (0.100)		8260B		50	07/11/16 14:35	CZG0130	CG61138
Xylenes (Total)	ND (0.100)		8260B		50	07/11/16 14:35		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>86 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>90 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>97 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>89 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-236
Date Sampled: 07/06/16 10:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-03
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,1,1-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,1,2,2-Tetrachloroethane	ND (0.0005)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,1,2-Trichloroethane	0.0044 (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,1-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,1-Dichloroethene	0.0022 (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,1-Dichloropropene	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2,3-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2,3-Trichloropropane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2,4-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2,4-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2-Dibromo-3-Chloropropane	ND (0.0050)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2-Dibromoethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2-Dichloroethane	0.0028 (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,3,5-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,3-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,3-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,4-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1,4-Dioxane - Screen	ND (0.500)		8260B		1	07/08/16 14:31	CZG0095	CG60837
1-Chlorohexane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
2,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
2-Butanone	ND (0.0100)		8260B		1	07/08/16 14:31	CZG0095	CG60837
2-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
2-Hexanone	ND (0.0100)		8260B		1	07/08/16 14:31	CZG0095	CG60837
4-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
4-Isopropyltoluene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
4-Methyl-2-Pentanone	ND (0.0250)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Acetone	ND (0.0100)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Benzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Bromobenzene	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
 Client Project ID: Textron Gorham - Groundwater
 Client Sample ID: MW-236
 Date Sampled: 07/06/16 10:40
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
 ESS Laboratory Sample ID: 1607061-03
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Bromodichloromethane	ND (0.0006)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Bromoform	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Bromomethane	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Carbon Disulfide	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Carbon Tetrachloride	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Chlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Chloroethane	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Chloroform	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Chloromethane	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837
cis-1,2-Dichloroethene	0.0764 (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
cis-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Dibromochloromethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Dibromomethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Dichlorodifluoromethane	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Diethyl Ether	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Di-isopropyl ether	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Ethyl tertiary-butyl ether	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Ethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Hexachlorobutadiene	ND (0.0006)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Hexachloroethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Isopropylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Methyl tert-Butyl Ether	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Methylene Chloride	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Naphthalene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
n-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
n-Propylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
sec-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Styrene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
tert-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Tertiary-amyl methyl ether	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Tetrachloroethene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-236
Date Sampled: 07/06/16 10:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-03
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0050)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Toluene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
trans-1,2-Dichloroethene	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
trans-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Trichloroethene	0.141 (0.0100)		8260B		10	07/11/16 13:14	CZG0095	CG60837
Trichlorofluoromethane	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Vinyl Acetate	ND (0.0050)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Vinyl Chloride	0.0017 (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Xylene O	ND (0.0010)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Xylene P,M	ND (0.0020)		8260B		1	07/08/16 14:31	CZG0095	CG60837
Xylenes (Total)	ND (0.0020)		8260B		1	07/08/16 14:31		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>94 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>99 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>93 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-236
Date Sampled: 07/06/16 10:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-03RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,1,1-Trichloroethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,1,2,2-Tetrachloroethane	ND (0.0050)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,1,2-Trichloroethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,1-Dichloroethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,1-Dichloroethene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,1-Dichloropropene	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2,3-Trichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2,3-Trichloropropane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2,4-Trichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2,4-Trimethylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2-Dibromo-3-Chloropropane	ND (0.0500)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2-Dibromoethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2-Dichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2-Dichloroethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,2-Dichloropropane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,3,5-Trimethylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,3-Dichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,3-Dichloropropane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,4-Dichlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1,4-Dioxane - Screen	ND (5.00)		8260B		10	07/11/16 13:14	CZG0130	CG61138
1-Chlorohexane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
2,2-Dichloropropane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
2-Butanone	ND (0.100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
2-Chlorotoluene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
2-Hexanone	ND (0.100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
4-Chlorotoluene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
4-Isopropyltoluene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
4-Methyl-2-Pentanone	ND (0.250)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Acetone	ND (0.100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Benzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Bromobenzene	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-236
Date Sampled: 07/06/16 10:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-03RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Bromodichloromethane	ND (0.0060)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Bromoform	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Bromomethane	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Carbon Disulfide	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Carbon Tetrachloride	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Chlorobenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Chloroethane	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Chloroform	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Chloromethane	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138
cis-1,2-Dichloroethene	0.0705 (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
cis-1,3-Dichloropropene	ND (0.0040)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Dibromochloromethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Dibromomethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Dichlorodifluoromethane	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Diethyl Ether	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Di-isopropyl ether	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Ethyl tertiary-butyl ether	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Ethylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Hexachlorobutadiene	ND (0.0060)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Hexachloroethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Isopropylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Methyl tert-Butyl Ether	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Methylene Chloride	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Naphthalene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
n-Butylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
n-Propylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
sec-Butylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Styrene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
tert-Butylbenzene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Tertiary-amyl methyl ether	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Tetrachloroethene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-236
Date Sampled: 07/06/16 10:40
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-03RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0500)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Toluene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
trans-1,2-Dichloroethene	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
trans-1,3-Dichloropropene	ND (0.0040)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Trichloroethene	0.141 (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Trichlorofluoromethane	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Vinyl Acetate	ND (0.0500)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Vinyl Chloride	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Xylene O	ND (0.0100)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Xylene P,M	ND (0.0200)		8260B		10	07/11/16 13:14	CZG0130	CG61138
Xylenes (Total)	ND (0.0200)		8260B		10	07/11/16 13:14		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>84 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>91 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>98 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>91 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-235
Date Sampled: 07/06/16 10:55
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-04
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,1,1-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,1,2,2-Tetrachloroethane	ND (0.0005)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,1,2-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,1-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,1-Dichloroethene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,1-Dichloropropene	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2,3-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2,3-Trichloropropane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2,4-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2,4-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2-Dibromo-3-Chloropropane	ND (0.0050)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2-Dibromoethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2-Dichloroethane	0.0015 (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,3,5-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,3-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,3-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,4-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1,4-Dioxane - Screen	ND (0.500)		8260B		1	07/08/16 14:58	CZG0095	CG60837
1-Chlorohexane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
2,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
2-Butanone	ND (0.0100)		8260B		1	07/08/16 14:58	CZG0095	CG60837
2-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
2-Hexanone	ND (0.0100)		8260B		1	07/08/16 14:58	CZG0095	CG60837
4-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
4-Isopropyltoluene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
4-Methyl-2-Pentanone	ND (0.0250)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Acetone	ND (0.0100)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Benzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Bromobenzene	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-235
Date Sampled: 07/06/16 10:55
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-04
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Bromodichloromethane	ND (0.0006)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Bromoform	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Bromomethane	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Carbon Disulfide	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Carbon Tetrachloride	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Chlorobenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Chloroethane	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Chloroform	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Chloromethane	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837
cis-1,2-Dichloroethene	0.0638 (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
cis-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Dibromochloromethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Dibromomethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Dichlorodifluoromethane	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Diethyl Ether	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Di-isopropyl ether	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Ethyl tertiary-butyl ether	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Ethylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Hexachlorobutadiene	ND (0.0006)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Hexachloroethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Isopropylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Methyl tert-Butyl Ether	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Methylene Chloride	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Naphthalene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
n-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
n-Propylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
sec-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Styrene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
tert-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Tertiary-amyl methyl ether	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Tetrachloroethene	0.0058 (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: MW-235
Date Sampled: 07/06/16 10:55
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-04
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0050)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Toluene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
trans-1,2-Dichloroethene	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
trans-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Trichloroethene	0.0357 (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Trichlorofluoromethane	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Vinyl Acetate	ND (0.0050)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Vinyl Chloride	0.0011 (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Xylene O	ND (0.0010)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Xylene P,M	ND (0.0020)		8260B		1	07/08/16 14:58	CZG0095	CG60837
Xylenes (Total)	ND (0.0020)		8260B		1	07/08/16 14:58		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>94 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>89 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>92 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: Dup-01
Date Sampled: 07/06/16 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-05
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,1,1-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,1,2,2-Tetrachloroethane	ND (0.0005)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,1,2-Trichloroethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,1-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,1-Dichloroethene	0.0048 (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,1-Dichloropropene	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2,3-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2,3-Trichloropropane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2,4-Trichlorobenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2,4-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2-Dibromo-3-Chloropropane	ND (0.0050)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2-Dibromoethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2-Dichloroethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,3,5-Trimethylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,3-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,3-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,4-Dichlorobenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1,4-Dioxane - Screen	ND (0.500)		8260B		1	07/08/16 15:24	CZG0095	CG60837
1-Chlorohexane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
2,2-Dichloropropane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
2-Butanone	ND (0.0100)		8260B		1	07/08/16 15:24	CZG0095	CG60837
2-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
2-Hexanone	ND (0.0100)		8260B		1	07/08/16 15:24	CZG0095	CG60837
4-Chlorotoluene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
4-Isopropyltoluene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
4-Methyl-2-Pentanone	ND (0.0250)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Acetone	ND (0.0100)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Benzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Bromobenzene	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: Dup-01
Date Sampled: 07/06/16 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-05
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Bromodichloromethane	ND (0.0006)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Bromoform	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Bromomethane	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Carbon Disulfide	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Carbon Tetrachloride	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Chlorobenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Chloroethane	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Chloroform	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Chloromethane	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837
cis-1,2-Dichloroethene	0.0858 (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
cis-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Dibromochloromethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Dibromomethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Dichlorodifluoromethane	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Diethyl Ether	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Di-isopropyl ether	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Ethyl tertiary-butyl ether	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Ethylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Hexachlorobutadiene	ND (0.0006)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Hexachloroethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Isopropylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Methyl tert-Butyl Ether	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Methylene Chloride	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Naphthalene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
n-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
n-Propylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
sec-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Styrene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
tert-Butylbenzene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Tertiary-amyl methyl ether	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Tetrachloroethene	0.0034 (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
 Client Project ID: Textron Gorham - Groundwater
 Client Sample ID: Dup-01
 Date Sampled: 07/06/16 00:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
 ESS Laboratory Sample ID: 1607061-05
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0050)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Toluene	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
trans-1,2-Dichloroethene	0.0023 (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
trans-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Trichloroethene	1.68 (0.0500)		8260B		50	07/11/16 14:08	CZG0095	CG60837
Trichlorofluoromethane	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Vinyl Acetate	ND (0.0050)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Vinyl Chloride	0.0045 (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Xylene O	ND (0.0010)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Xylene P,M	ND (0.0020)		8260B		1	07/08/16 15:24	CZG0095	CG60837
Xylenes (Total)	ND (0.0020)		8260B		1	07/08/16 15:24		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>94 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>100 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>91 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: Dup-01
Date Sampled: 07/06/16 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-05RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,1,1-Trichloroethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,1,2,2-Tetrachloroethane	ND (0.0250)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,1,2-Trichloroethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,1-Dichloroethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,1-Dichloroethene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,1-Dichloropropene	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2,3-Trichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2,3-Trichloropropane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2,4-Trichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2,4-Trimethylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2-Dibromo-3-Chloropropane	ND (0.250)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2-Dibromoethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2-Dichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2-Dichloroethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,2-Dichloropropane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,3,5-Trimethylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,3-Dichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,3-Dichloropropane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,4-Dichlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1,4-Dioxane - Screen	ND (25.0)		8260B		50	07/11/16 14:08	CZG0130	CG61138
1-Chlorohexane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
2,2-Dichloropropane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
2-Butanone	ND (0.500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
2-Chlorotoluene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
2-Hexanone	ND (0.500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
4-Chlorotoluene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
4-Isopropyltoluene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
4-Methyl-2-Pentanone	ND (1.25)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Acetone	ND (0.500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Benzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Bromobenzene	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: Dup-01
Date Sampled: 07/06/16 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-05RE1
Sample Matrix: Ground Water
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Bromodichloromethane	ND (0.0300)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Bromoform	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Bromomethane	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Carbon Disulfide	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Carbon Tetrachloride	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Chlorobenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Chloroethane	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Chloroform	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Chloromethane	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138
cis-1,2-Dichloroethene	0.0720 (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
cis-1,3-Dichloropropene	ND (0.0200)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Dibromochloromethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Dibromomethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Dichlorodifluoromethane	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Diethyl Ether	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Di-isopropyl ether	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Ethyl tertiary-butyl ether	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Ethylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Hexachlorobutadiene	ND (0.0300)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Hexachloroethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Isopropylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Methyl tert-Butyl Ether	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Methylene Chloride	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Naphthalene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
n-Butylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
n-Propylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
sec-Butylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Styrene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
tert-Butylbenzene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Tertiary-amyl methyl ether	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Tetrachloroethene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
 Client Project ID: Textron Gorham - Groundwater
 Client Sample ID: Dup-01
 Date Sampled: 07/06/16 00:00
 Percent Solids: N/A
 Initial Volume: 5
 Final Volume: 5
 Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
 ESS Laboratory Sample ID: 1607061-05RE1
 Sample Matrix: Ground Water
 Units: mg/L
 Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.250)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Toluene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
trans-1,2-Dichloroethene	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
trans-1,3-Dichloropropene	ND (0.0200)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Trichloroethene	1.68 (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Trichlorofluoromethane	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Vinyl Acetate	ND (0.250)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Vinyl Chloride	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Xylene O	ND (0.0500)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Xylene P,M	ND (0.100)		8260B		50	07/11/16 14:08	CZG0130	CG61138
Xylenes (Total)	ND (0.100)		8260B		50	07/11/16 14:08		[CALC]

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	87 %		70-130
<i>Surrogate: 4-Bromofluorobenzene</i>	91 %		70-130
<i>Surrogate: Dibromofluoromethane</i>	94 %		70-130
<i>Surrogate: Toluene-d8</i>	89 %		70-130



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: Trip Blank-01
Date Sampled: 07/06/16 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-06
Sample Matrix: Aqueous
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
1,1,1,2-Tetrachloroethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,1,1-Trichloroethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,1,2,2-Tetrachloroethane	ND (0.0005)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,1,2-Trichloroethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,1-Dichloroethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,1-Dichloroethene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,1-Dichloropropene	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2,3-Trichlorobenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2,3-Trichloropropane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2,4-Trichlorobenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2,4-Trimethylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2-Dibromo-3-Chloropropane	ND (0.0050)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2-Dibromoethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2-Dichlorobenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2-Dichloroethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,2-Dichloropropane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,3,5-Trimethylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,3-Dichlorobenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,3-Dichloropropane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,4-Dichlorobenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1,4-Dioxane - Screen	ND (0.500)		8260B		1	07/07/16 13:05	CZG0086	CG60737
1-Chlorohexane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
2,2-Dichloropropane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
2-Butanone	ND (0.0100)		8260B		1	07/07/16 13:05	CZG0086	CG60737
2-Chlorotoluene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
2-Hexanone	ND (0.0100)		8260B		1	07/07/16 13:05	CZG0086	CG60737
4-Chlorotoluene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
4-Isopropyltoluene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
4-Methyl-2-Pentanone	ND (0.0250)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Acetone	ND (0.0100)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Benzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Bromobenzene	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: Trip Blank-01
Date Sampled: 07/06/16 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-06
Sample Matrix: Aqueous
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Bromochloromethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Bromodichloromethane	ND (0.0006)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Bromoform	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Bromomethane	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Carbon Disulfide	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Carbon Tetrachloride	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Chlorobenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Chloroethane	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Chloroform	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Chloromethane	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737
cis-1,2-Dichloroethene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
cis-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Dibromochloromethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Dibromomethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Dichlorodifluoromethane	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Diethyl Ether	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Di-isopropyl ether	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Ethyl tertiary-butyl ether	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Ethylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Hexachlorobutadiene	ND (0.0006)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Hexachloroethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Isopropylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Methyl tert-Butyl Ether	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Methylene Chloride	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Naphthalene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
n-Butylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
n-Propylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
sec-Butylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Styrene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
tert-Butylbenzene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Tertiary-amyl methyl ether	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Tetrachloroethene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater
Client Sample ID: Trip Blank-01
Date Sampled: 07/06/16 00:00
Percent Solids: N/A
Initial Volume: 5
Final Volume: 5
Extraction Method: 5030B

ESS Laboratory Work Order: 1607061
ESS Laboratory Sample ID: 1607061-06
Sample Matrix: Aqueous
Units: mg/L
Analyst: GEM

8260B Volatile Organic Compounds

<u>Analyte</u>	<u>Results (MRL)</u>	<u>MDL</u>	<u>Method</u>	<u>Limit</u>	<u>DF</u>	<u>Analyzed</u>	<u>Sequence</u>	<u>Batch</u>
Tetrahydrofuran	ND (0.0050)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Toluene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
trans-1,2-Dichloroethene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
trans-1,3-Dichloropropene	ND (0.0004)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Trichloroethene	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Trichlorofluoromethane	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Vinyl Acetate	ND (0.0050)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Vinyl Chloride	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Xylene O	ND (0.0010)		8260B		1	07/07/16 13:05	CZG0086	CG60737
Xylene P,M	ND (0.0020)		8260B		1	07/07/16 13:05	CZG0086	CG60737

	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>88 %</i>		<i>70-130</i>
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88 %</i>		<i>70-130</i>
<i>Surrogate: Dibromofluoromethane</i>	<i>82 %</i>		<i>70-130</i>
<i>Surrogate: Toluene-d8</i>	<i>91 %</i>		<i>70-130</i>



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60737 - 5030B

Blank

1,1,1,2-Tetrachloroethane	ND	0.0010	mg/L							
1,1,1-Trichloroethane	ND	0.0010	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethene	ND	0.0010	mg/L							
1,1-Dichloropropene	ND	0.0020	mg/L							
1,2,3-Trichlorobenzene	ND	0.0010	mg/L							
1,2,3-Trichloropropane	ND	0.0010	mg/L							
1,2,4-Trichlorobenzene	ND	0.0010	mg/L							
1,2,4-Trimethylbenzene	ND	0.0010	mg/L							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/L							
1,2-Dibromoethane	ND	0.0010	mg/L							
1,2-Dichlorobenzene	ND	0.0010	mg/L							
1,2-Dichloroethane	ND	0.0010	mg/L							
1,2-Dichloropropane	ND	0.0010	mg/L							
1,3,5-Trimethylbenzene	ND	0.0010	mg/L							
1,3-Dichlorobenzene	ND	0.0010	mg/L							
1,3-Dichloropropane	ND	0.0010	mg/L							
1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,4-Dioxane - Screen	ND	0.500	mg/L							
1-Chlorohexane	ND	0.0010	mg/L							
2,2-Dichloropropane	ND	0.0010	mg/L							
2-Butanone	ND	0.0100	mg/L							
2-Chlorotoluene	ND	0.0010	mg/L							
2-Hexanone	ND	0.0100	mg/L							
4-Chlorotoluene	ND	0.0010	mg/L							
4-Isopropyltoluene	ND	0.0010	mg/L							
4-Methyl-2-Pentanone	ND	0.0250	mg/L							
Acetone	ND	0.0100	mg/L							
Benzene	ND	0.0010	mg/L							
Bromobenzene	ND	0.0020	mg/L							
Bromochloromethane	ND	0.0010	mg/L							
Bromodichloromethane	ND	0.0006	mg/L							
Bromoform	ND	0.0010	mg/L							
Bromomethane	ND	0.0020	mg/L							
Carbon Disulfide	ND	0.0010	mg/L							
Carbon Tetrachloride	ND	0.0010	mg/L							
Chlorobenzene	ND	0.0010	mg/L							
Chloroethane	ND	0.0020	mg/L							
Chloroform	ND	0.0010	mg/L							
Chloromethane	ND	0.0020	mg/L							
cis-1,2-Dichloroethene	ND	0.0010	mg/L							
cis-1,3-Dichloropropene	ND	0.0004	mg/L							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60737 - 5030B

Dibromochloromethane	ND	0.0010	mg/L							
Dibromomethane	ND	0.0010	mg/L							
Dichlorodifluoromethane	ND	0.0020	mg/L							
Diethyl Ether	ND	0.0010	mg/L							
Di-isopropyl ether	ND	0.0010	mg/L							
Ethyl tertiary-butyl ether	ND	0.0010	mg/L							
Ethylbenzene	ND	0.0010	mg/L							
Hexachlorobutadiene	ND	0.0006	mg/L							
Hexachloroethane	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methylene Chloride	ND	0.0020	mg/L							
Naphthalene	ND	0.0010	mg/L							
n-Butylbenzene	ND	0.0010	mg/L							
n-Propylbenzene	ND	0.0010	mg/L							
sec-Butylbenzene	ND	0.0010	mg/L							
Styrene	ND	0.0010	mg/L							
tert-Butylbenzene	ND	0.0010	mg/L							
Tertiary-amyl methyl ether	ND	0.0010	mg/L							
Tetrachloroethene	ND	0.0010	mg/L							
Tetrahydrofuran	ND	0.0050	mg/L							
Toluene	ND	0.0010	mg/L							
trans-1,2-Dichloroethene	ND	0.0010	mg/L							
trans-1,3-Dichloropropene	ND	0.0004	mg/L							
Trichloroethene	ND	0.0010	mg/L							
Trichlorofluoromethane	ND	0.0010	mg/L							
Vinyl Acetate	ND	0.0050	mg/L							
Vinyl Chloride	ND	0.0010	mg/L							
Xylene O	ND	0.0010	mg/L							
Xylene P,M	ND	0.0020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0223		mg/L	0.02500		89	70-130			
Surrogate: 4-Bromofluorobenzene	0.0219		mg/L	0.02500		88	70-130			
Surrogate: Dibromofluoromethane	0.0205		mg/L	0.02500		82	70-130			
Surrogate: Toluene-d8	0.0224		mg/L	0.02500		90	70-130			

LCS

1,1,1,2-Tetrachloroethane	8.98		ug/L	10.00		90	70-130			
1,1,1-Trichloroethane	9.12		ug/L	10.00		91	70-130			
1,1,2,2-Tetrachloroethane	10.4		ug/L	10.00		104	70-130			
1,1,2-Trichloroethane	9.09		ug/L	10.00		91	70-130			
1,1-Dichloroethane	9.52		ug/L	10.00		95	70-130			
1,1-Dichloroethene	10.7		ug/L	10.00		107	70-130			
1,1-Dichloropropene	9.36		ug/L	10.00		94	70-130			
1,2,3-Trichlorobenzene	10.5		ug/L	10.00		105	70-130			
1,2,3-Trichloropropane	9.73		ug/L	10.00		97	70-130			
1,2,4-Trichlorobenzene	10.1		ug/L	10.00		101	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
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ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60737 - 5030B

1,2,4-Trimethylbenzene	9.75		ug/L	10.00		98	70-130			
1,2-Dibromo-3-Chloropropane	10.3		ug/L	10.00		103	70-130			
1,2-Dibromoethane	9.73		ug/L	10.00		97	70-130			
1,2-Dichlorobenzene	10.3		ug/L	10.00		103	70-130			
1,2-Dichloroethane	9.18		ug/L	10.00		92	70-130			
1,2-Dichloropropane	9.17		ug/L	10.00		92	70-130			
1,3,5-Trimethylbenzene	9.87		ug/L	10.00		99	70-130			
1,3-Dichlorobenzene	10.2		ug/L	10.00		102	70-130			
1,3-Dichloropropane	9.95		ug/L	10.00		100	70-130			
1,4-Dichlorobenzene	10.5		ug/L	10.00		105	70-130			
1,4-Dioxane - Screen	233		ug/L	200.0		117	0-332			
1-Chlorohexane	9.27		ug/L	10.00		93	70-130			
2,2-Dichloropropane	9.47		ug/L	10.00		95	70-130			
2-Butanone	48.7		ug/L	50.00		97	70-130			
2-Chlorotoluene	10.2		ug/L	10.00		102	70-130			
2-Hexanone	51.2		ug/L	50.00		102	70-130			
4-Chlorotoluene	10.3		ug/L	10.00		103	70-130			
4-Isopropyltoluene	10.1		ug/L	10.00		101	70-130			
4-Methyl-2-Pentanone	47.2		ug/L	50.00		94	70-130			
Acetone	45.8		ug/L	50.00		92	70-130			
Benzene	9.15		ug/L	10.00		92	70-130			
Bromobenzene	10.1		ug/L	10.00		101	70-130			
Bromochloromethane	9.57		ug/L	10.00		96	70-130			
Bromodichloromethane	10.6		ug/L	10.00		106	70-130			
Bromoform	9.94		ug/L	10.00		99	70-130			
Bromomethane	10.0		ug/L	10.00		100	70-130			
Carbon Disulfide	9.55		ug/L	10.00		96	70-130			
Carbon Tetrachloride	9.55		ug/L	10.00		96	70-130			
Chlorobenzene	10.0		ug/L	10.00		100	70-130			
Chloroethane	8.13		ug/L	10.00		81	70-130			
Chloroform	9.63		ug/L	10.00		96	70-130			
Chloromethane	8.22		ug/L	10.00		82	70-130			
cis-1,2-Dichloroethene	9.75		ug/L	10.00		98	70-130			
cis-1,3-Dichloropropene	9.56		ug/L	10.00		96	70-130			
Dibromochloromethane	9.32		ug/L	10.00		93	70-130			
Dibromomethane	9.35		ug/L	10.00		94	70-130			
Dichlorodifluoromethane	9.11		ug/L	10.00		91	70-130			
Diethyl Ether	9.31		ug/L	10.00		93	70-130			
Di-isopropyl ether	9.13		ug/L	10.00		91	70-130			
Ethyl tertiary-butyl ether	9.13		ug/L	10.00		91	70-130			
Ethylbenzene	9.69		ug/L	10.00		97	70-130			
Hexachlorobutadiene	10.7		ug/L	10.00		107	70-130			
Hexachloroethane	10.1		ug/L	10.00		101	70-130			
Isopropylbenzene	10.6		ug/L	10.00		106	70-130			
Methyl tert-Butyl Ether	9.28		ug/L	10.00		93	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60737 - 5030B

Methylene Chloride	9.69		ug/L	10.00		97	70-130			
Naphthalene	10.4		ug/L	10.00		104	70-130			
n-Butylbenzene	10.2		ug/L	10.00		102	70-130			
n-Propylbenzene	10.2		ug/L	10.00		102	70-130			
sec-Butylbenzene	10.3		ug/L	10.00		103	70-130			
Styrene	9.93		ug/L	10.00		99	70-130			
tert-Butylbenzene	10.4		ug/L	10.00		104	70-130			
Tertiary-amyl methyl ether	9.33		ug/L	10.00		93	70-130			
Tetrachloroethene	8.30		ug/L	10.00		83	70-130			
Tetrahydrofuran	11.9		ug/L	10.00		119	70-130			
Toluene	9.55		ug/L	10.00		96	70-130			
trans-1,2-Dichloroethene	10.1		ug/L	10.00		101	70-130			
trans-1,3-Dichloropropene	9.09		ug/L	10.00		91	70-130			
Trichloroethene	8.63		ug/L	10.00		86	70-130			
Trichlorofluoromethane	9.42		ug/L	10.00		94	70-130			
Vinyl Acetate	9.57		ug/L	10.00		96	70-130			
Vinyl Chloride	9.20		ug/L	10.00		92	70-130			
Xylene O	9.73		ug/L	10.00		97	70-130			
Xylene P,M	19.8		ug/L	20.00		99	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0241		mg/L	0.02500		97	70-130			
Surrogate: 4-Bromofluorobenzene	0.0227		mg/L	0.02500		91	70-130			
Surrogate: Dibromofluoromethane	0.0220		mg/L	0.02500		88	70-130			
Surrogate: Toluene-d8	0.0236		mg/L	0.02500		95	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	8.87		ug/L	10.00		89	70-130	1	25	
1,1,1-Trichloroethane	9.17		ug/L	10.00		92	70-130	0.5	25	
1,1,2,2-Tetrachloroethane	9.42		ug/L	10.00		94	70-130	10	25	
1,1,2-Trichloroethane	8.89		ug/L	10.00		89	70-130	2	25	
1,1-Dichloroethane	9.45		ug/L	10.00		94	70-130	0.7	25	
1,1-Dichloroethene	10.5		ug/L	10.00		105	70-130	1	25	
1,1-Dichloropropene	9.13		ug/L	10.00		91	70-130	2	25	
1,2,3-Trichlorobenzene	10.2		ug/L	10.00		102	70-130	3	25	
1,2,3-Trichloropropane	9.40		ug/L	10.00		94	70-130	3	25	
1,2,4-Trichlorobenzene	9.91		ug/L	10.00		99	70-130	2	25	
1,2,4-Trimethylbenzene	9.58		ug/L	10.00		96	70-130	2	25	
1,2-Dibromo-3-Chloropropane	9.74		ug/L	10.00		97	70-130	6	25	
1,2-Dibromoethane	9.72		ug/L	10.00		97	70-130	0.1	25	
1,2-Dichlorobenzene	10.2		ug/L	10.00		102	70-130	0.5	25	
1,2-Dichloroethane	8.91		ug/L	10.00		89	70-130	3	25	
1,2-Dichloropropane	9.36		ug/L	10.00		94	70-130	2	25	
1,3,5-Trimethylbenzene	9.70		ug/L	10.00		97	70-130	2	25	
1,3-Dichlorobenzene	10.0		ug/L	10.00		100	70-130	2	25	
1,3-Dichloropropane	9.76		ug/L	10.00		98	70-130	2	25	
1,4-Dichlorobenzene	10.4		ug/L	10.00		104	70-130	1	25	
1,4-Dioxane - Screen	234		ug/L	200.0		117	0-332	0.5	200	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60737 - 5030B

1-Chlorohexane	9.34		ug/L	10.00		93	70-130	0.8	25	
2,2-Dichloropropane	9.25		ug/L	10.00		92	70-130	2	25	
2-Butanone	47.9		ug/L	50.00		96	70-130	2	25	
2-Chlorotoluene	10.2		ug/L	10.00		102	70-130	0.2	25	
2-Hexanone	49.4		ug/L	50.00		99	70-130	4	25	
4-Chlorotoluene	10.3		ug/L	10.00		103	70-130	0.3	25	
4-Isopropyltoluene	9.74		ug/L	10.00		97	70-130	3	25	
4-Methyl-2-Pentanone	45.9		ug/L	50.00		92	70-130	3	25	
Acetone	46.4		ug/L	50.00		93	70-130	1	25	
Benzene	9.31		ug/L	10.00		93	70-130	2	25	
Bromobenzene	10.1		ug/L	10.00		101	70-130	0.2	25	
Bromochloromethane	9.62		ug/L	10.00		96	70-130	0.5	25	
Bromodichloromethane	10.4		ug/L	10.00		104	70-130	2	25	
Bromoform	9.65		ug/L	10.00		96	70-130	3	25	
Bromomethane	9.93		ug/L	10.00		99	70-130	1	25	
Carbon Disulfide	9.40		ug/L	10.00		94	70-130	2	25	
Carbon Tetrachloride	9.30		ug/L	10.00		93	70-130	3	25	
Chlorobenzene	10.2		ug/L	10.00		102	70-130	2	25	
Chloroethane	7.56		ug/L	10.00		76	70-130	7	25	
Chloroform	9.40		ug/L	10.00		94	70-130	2	25	
Chloromethane	8.41		ug/L	10.00		84	70-130	2	25	
cis-1,2-Dichloroethene	9.67		ug/L	10.00		97	70-130	0.8	25	
cis-1,3-Dichloropropene	9.38		ug/L	10.00		94	70-130	2	25	
Dibromochloromethane	9.43		ug/L	10.00		94	70-130	1	25	
Dibromomethane	9.33		ug/L	10.00		93	70-130	0.2	25	
Dichlorodifluoromethane	9.16		ug/L	10.00		92	70-130	0.5	25	
Diethyl Ether	8.88		ug/L	10.00		89	70-130	5	25	
Di-isopropyl ether	9.06		ug/L	10.00		91	70-130	0.8	25	
Ethyl tertiary-butyl ether	9.05		ug/L	10.00		90	70-130	0.9	25	
Ethylbenzene	9.76		ug/L	10.00		98	70-130	0.7	25	
Hexachlorobutadiene	10.2		ug/L	10.00		102	70-130	5	25	
Hexachloroethane	9.89		ug/L	10.00		99	70-130	2	25	
Isopropylbenzene	10.3		ug/L	10.00		103	70-130	3	25	
Methyl tert-Butyl Ether	9.11		ug/L	10.00		91	70-130	2	25	
Methylene Chloride	9.91		ug/L	10.00		99	70-130	2	25	
Naphthalene	9.98		ug/L	10.00		100	70-130	4	25	
n-Butylbenzene	10.2		ug/L	10.00		102	70-130	0.1	25	
n-Propylbenzene	10.0		ug/L	10.00		100	70-130	2	25	
sec-Butylbenzene	10.2		ug/L	10.00		102	70-130	1	25	
Styrene	9.79		ug/L	10.00		98	70-130	1	25	
tert-Butylbenzene	10.2		ug/L	10.00		102	70-130	3	25	
Tertiary-amyl methyl ether	9.11		ug/L	10.00		91	70-130	2	25	
Tetrachloroethene	8.28		ug/L	10.00		83	70-130	0.2	25	
Tetrahydrofuran	9.02		ug/L	10.00		90	70-130	28	25	D+
Toluene	9.63		ug/L	10.00		96	70-130	0.8	25	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60737 - 5030B

trans-1,2-Dichloroethene	9.80		ug/L	10.00		98	70-130	3	25	
trans-1,3-Dichloropropene	9.04		ug/L	10.00		90	70-130	0.6	25	
Trichloroethene	8.86		ug/L	10.00		89	70-130	3	25	
Trichlorofluoromethane	9.28		ug/L	10.00		93	70-130	1	25	
Vinyl Acetate	9.47		ug/L	10.00		95	70-130	1	25	
Vinyl Chloride	9.41		ug/L	10.00		94	70-130	2	25	
Xylene O	9.99		ug/L	10.00		100	70-130	3	25	
Xylene P,M	19.8		ug/L	20.00		99	70-130	0.2	25	
Surrogate: 1,2-Dichloroethane-d4	0.0237		mg/L	0.02500		95	70-130			
Surrogate: 4-Bromofluorobenzene	0.0226		mg/L	0.02500		91	70-130			
Surrogate: Dibromofluoromethane	0.0221		mg/L	0.02500		88	70-130			
Surrogate: Toluene-d8	0.0238		mg/L	0.02500		95	70-130			

Batch CG60837 - 5030B

Blank										
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/L							
1,1,1-Trichloroethane	ND	0.0010	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethene	ND	0.0010	mg/L							
1,1-Dichloropropene	ND	0.0020	mg/L							
1,2,3-Trichlorobenzene	ND	0.0010	mg/L							
1,2,3-Trichloropropane	ND	0.0010	mg/L							
1,2,4-Trichlorobenzene	ND	0.0010	mg/L							
1,2,4-Trimethylbenzene	ND	0.0010	mg/L							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/L							
1,2-Dibromoethane	ND	0.0010	mg/L							
1,2-Dichlorobenzene	ND	0.0010	mg/L							
1,2-Dichloroethane	ND	0.0010	mg/L							
1,2-Dichloropropane	ND	0.0010	mg/L							
1,3,5-Trimethylbenzene	ND	0.0010	mg/L							
1,3-Dichlorobenzene	ND	0.0010	mg/L							
1,3-Dichloropropane	ND	0.0010	mg/L							
1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,4-Dioxane - Screen	ND	0.500	mg/L							
1-Chlorohexane	ND	0.0010	mg/L							
2,2-Dichloropropane	ND	0.0010	mg/L							
2-Butanone	ND	0.0100	mg/L							
2-Chlorotoluene	ND	0.0010	mg/L							
2-Hexanone	ND	0.0100	mg/L							
4-Chlorotoluene	ND	0.0010	mg/L							
4-Isopropyltoluene	ND	0.0010	mg/L							
4-Methyl-2-Pentanone	ND	0.0250	mg/L							
Acetone	ND	0.0100	mg/L							
Benzene	ND	0.0010	mg/L							



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

Bromobenzene	ND	0.0020	mg/L							
Bromochloromethane	ND	0.0010	mg/L							
Bromodichloromethane	ND	0.0006	mg/L							
Bromoform	ND	0.0010	mg/L							
Bromomethane	ND	0.0020	mg/L							
Carbon Disulfide	ND	0.0010	mg/L							
Carbon Tetrachloride	ND	0.0010	mg/L							
Chlorobenzene	ND	0.0010	mg/L							
Chloroethane	ND	0.0020	mg/L							
Chloroform	ND	0.0010	mg/L							
Chloromethane	ND	0.0020	mg/L							
cis-1,2-Dichloroethene	ND	0.0010	mg/L							
cis-1,3-Dichloropropene	ND	0.0004	mg/L							
Dibromochloromethane	ND	0.0010	mg/L							
Dibromomethane	ND	0.0010	mg/L							
Dichlorodifluoromethane	ND	0.0020	mg/L							
Diethyl Ether	ND	0.0010	mg/L							
Di-isopropyl ether	ND	0.0010	mg/L							
Ethyl tertiary-butyl ether	ND	0.0010	mg/L							
Ethylbenzene	ND	0.0010	mg/L							
Hexachlorobutadiene	ND	0.0006	mg/L							
Hexachloroethane	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methylene Chloride	ND	0.0020	mg/L							
Naphthalene	ND	0.0010	mg/L							
n-Butylbenzene	ND	0.0010	mg/L							
n-Propylbenzene	ND	0.0010	mg/L							
sec-Butylbenzene	ND	0.0010	mg/L							
Styrene	ND	0.0010	mg/L							
tert-Butylbenzene	ND	0.0010	mg/L							
Tertiary-amyl methyl ether	ND	0.0010	mg/L							
Tetrachloroethene	ND	0.0010	mg/L							
Tetrahydrofuran	ND	0.0050	mg/L							
Toluene	ND	0.0010	mg/L							
trans-1,2-Dichloroethene	ND	0.0010	mg/L							
trans-1,3-Dichloropropene	ND	0.0004	mg/L							
Trichloroethene	ND	0.0010	mg/L							
Trichlorofluoromethane	ND	0.0010	mg/L							
Vinyl Acetate	ND	0.0050	mg/L							
Vinyl Chloride	ND	0.0010	mg/L							
Xylene O	ND	0.0010	mg/L							
Xylene P,M	ND	0.0020	mg/L							
Xylenes (Total)	ND	0.0020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0226		mg/L	0.02500		91	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

Surrogate: 4-Bromofluorobenzene	0.0221		mg/L	0.02500		88	70-130			
Surrogate: Dibromofluoromethane	0.0245		mg/L	0.02500		98	70-130			
Surrogate: Toluene-d8	0.0231		mg/L	0.02500		93	70-130			

LCS

1,1,1,2-Tetrachloroethane	10.1		ug/L	10.00		101	70-130			
1,1,1-Trichloroethane	9.64		ug/L	10.00		96	70-130			
1,1,2,2-Tetrachloroethane	10.4		ug/L	10.00		104	70-130			
1,1,2-Trichloroethane	10.2		ug/L	10.00		102	70-130			
1,1-Dichloroethane	10.8		ug/L	10.00		108	70-130			
1,1-Dichloroethene	11.1		ug/L	10.00		111	70-130			
1,1-Dichloropropene	10.4		ug/L	10.00		104	70-130			
1,2,3-Trichlorobenzene	10.4		ug/L	10.00		104	70-130			
1,2,3-Trichloropropane	9.62		ug/L	10.00		96	70-130			
1,2,4-Trichlorobenzene	9.69		ug/L	10.00		97	70-130			
1,2,4-Trimethylbenzene	10.0		ug/L	10.00		100	70-130			
1,2-Dibromo-3-Chloropropane	8.89		ug/L	10.00		89	70-130			
1,2-Dibromoethane	10.2		ug/L	10.00		102	70-130			
1,2-Dichlorobenzene	10.2		ug/L	10.00		102	70-130			
1,2-Dichloroethane	10.3		ug/L	10.00		103	70-130			
1,2-Dichloropropane	10.3		ug/L	10.00		103	70-130			
1,3,5-Trimethylbenzene	10.2		ug/L	10.00		102	70-130			
1,3-Dichlorobenzene	10.2		ug/L	10.00		102	70-130			
1,3-Dichloropropane	10.4		ug/L	10.00		104	70-130			
1,4-Dichlorobenzene	10.7		ug/L	10.00		107	70-130			
1,4-Dioxane - Screen	247		ug/L	200.0		123	0-332			
1-Chlorohexane	9.68		ug/L	10.00		97	70-130			
2,2-Dichloropropane	9.71		ug/L	10.00		97	70-130			
2-Butanone	48.5		ug/L	50.00		97	70-130			
2-Chlorotoluene	10.8		ug/L	10.00		108	70-130			
2-Hexanone	43.6		ug/L	50.00		87	70-130			
4-Chlorotoluene	10.4		ug/L	10.00		104	70-130			
4-Isopropyltoluene	9.99		ug/L	10.00		100	70-130			
4-Methyl-2-Pentanone	49.1		ug/L	50.00		98	70-130			
Acetone	57.0		ug/L	50.00		114	70-130			
Benzene	10.5		ug/L	10.00		105	70-130			
Bromobenzene	10.3		ug/L	10.00		103	70-130			
Bromochloromethane	9.93		ug/L	10.00		99	70-130			
Bromodichloromethane	10.2		ug/L	10.00		102	70-130			
Bromoform	8.86		ug/L	10.00		89	70-130			
Bromomethane	8.03		ug/L	10.00		80	70-130			
Carbon Disulfide	10.5		ug/L	10.00		105	70-130			
Carbon Tetrachloride	9.63		ug/L	10.00		96	70-130			
Chlorobenzene	10.6		ug/L	10.00		106	70-130			
Chloroethane	9.55		ug/L	10.00		96	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

Chloroform	10.3		ug/L	10.00		103	70-130			
Chloromethane	9.20		ug/L	10.00		92	70-130			
cis-1,2-Dichloroethene	10.5		ug/L	10.00		105	70-130			
cis-1,3-Dichloropropene	10.7		ug/L	10.00		107	70-130			
Dibromochloromethane	9.99		ug/L	10.00		100	70-130			
Dibromomethane	10.8		ug/L	10.00		108	70-130			
Dichlorodifluoromethane	9.06		ug/L	10.00		91	70-130			
Diethyl Ether	18.8		ug/L	10.00		188	70-130			B+
Di-isopropyl ether	9.44		ug/L	10.00		94	70-130			
Ethyl tertiary-butyl ether	10.3		ug/L	10.00		103	70-130			
Ethylbenzene	10.2		ug/L	10.00		102	70-130			
Hexachlorobutadiene	11.6		ug/L	10.00		116	70-130			
Hexachloroethane	9.69		ug/L	10.00		97	70-130			
Isopropylbenzene	10.8		ug/L	10.00		108	70-130			
Methyl tert-Butyl Ether	10.1		ug/L	10.00		101	70-130			
Methylene Chloride	12.0		ug/L	10.00		120	70-130			
Naphthalene	12.1		ug/L	10.00		121	70-130			
n-Butylbenzene	10.6		ug/L	10.00		106	70-130			
n-Propylbenzene	10.6		ug/L	10.00		106	70-130			
sec-Butylbenzene	11.1		ug/L	10.00		111	70-130			
Styrene	9.98		ug/L	10.00		100	70-130			
tert-Butylbenzene	10.3		ug/L	10.00		103	70-130			
Tertiary-amyl methyl ether	10.2		ug/L	10.00		102	70-130			
Tetrachloroethene	8.04		ug/L	10.00		80	70-130			
Tetrahydrofuran	7.98		ug/L	10.00		80	70-130			
Toluene	10.6		ug/L	10.00		106	70-130			
trans-1,2-Dichloroethene	10.9		ug/L	10.00		109	70-130			
trans-1,3-Dichloropropene	9.89		ug/L	10.00		99	70-130			
Trichloroethene	9.74		ug/L	10.00		97	70-130			
Trichlorofluoromethane	8.98		ug/L	10.00		90	70-130			
Vinyl Acetate	9.87		ug/L	10.00		99	70-130			
Vinyl Chloride	10.9		ug/L	10.00		109	70-130			
Xylene O	10.4		ug/L	10.00		104	70-130			
Xylene P,M	20.7		ug/L	20.00		104	70-130			
Xylenes (Total)	31.2		mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0262		mg/L	0.02500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0250		mg/L	0.02500		100	70-130			
Surrogate: Dibromofluoromethane	0.0274		mg/L	0.02500		110	70-130			
Surrogate: Toluene-d8	0.0260		mg/L	0.02500		104	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	9.99		ug/L	10.00		100	70-130	0.9	25	
1,1,1-Trichloroethane	10.8		ug/L	10.00		108	70-130	11	25	
1,1,2,2-Tetrachloroethane	10.9		ug/L	10.00		109	70-130	5	25	
1,1,2-Trichloroethane	11.1		ug/L	10.00		111	70-130	8	25	
1,1-Dichloroethane	10.7		ug/L	10.00		107	70-130	0.3	25	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

1,1-Dichloroethene	11.4		ug/L	10.00		114	70-130	3	25	
1,1-Dichloropropene	11.0		ug/L	10.00		110	70-130	5	25	
1,2,3-Trichlorobenzene	10.2		ug/L	10.00		102	70-130	2	25	
1,2,3-Trichloropropane	9.39		ug/L	10.00		94	70-130	2	25	
1,2,4-Trichlorobenzene	9.58		ug/L	10.00		96	70-130	1	25	
1,2,4-Trimethylbenzene	10.4		ug/L	10.00		104	70-130	4	25	
1,2-Dibromo-3-Chloropropane	9.22		ug/L	10.00		92	70-130	4	25	
1,2-Dibromoethane	10.2		ug/L	10.00		102	70-130	0.6	25	
1,2-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	1	25	
1,2-Dichloroethane	10.6		ug/L	10.00		106	70-130	3	25	
1,2-Dichloropropane	10.4		ug/L	10.00		104	70-130	1	25	
1,3,5-Trimethylbenzene	10.6		ug/L	10.00		106	70-130	5	25	
1,3-Dichlorobenzene	10.4		ug/L	10.00		104	70-130	1	25	
1,3-Dichloropropane	10.6		ug/L	10.00		106	70-130	1	25	
1,4-Dichlorobenzene	10.8		ug/L	10.00		108	70-130	0.9	25	
1,4-Dioxane - Screen	246		ug/L	200.0		123	0-332	0.3	200	
1-Chlorohexane	9.60		ug/L	10.00		96	70-130	0.8	25	
2,2-Dichloropropane	10.5		ug/L	10.00		105	70-130	8	25	
2-Butanone	52.3		ug/L	50.00		105	70-130	8	25	
2-Chlorotoluene	10.7		ug/L	10.00		107	70-130	1	25	
2-Hexanone	46.4		ug/L	50.00		93	70-130	6	25	
4-Chlorotoluene	10.9		ug/L	10.00		109	70-130	5	25	
4-Isopropyltoluene	10.5		ug/L	10.00		105	70-130	5	25	
4-Methyl-2-Pentanone	49.8		ug/L	50.00		100	70-130	1	25	
Acetone	71.2		ug/L	50.00		142	70-130	22	25	B+
Benzene	10.8		ug/L	10.00		108	70-130	3	25	
Bromobenzene	10.2		ug/L	10.00		102	70-130	0.8	25	
Bromochloromethane	10.6		ug/L	10.00		106	70-130	6	25	
Bromodichloromethane	10.9		ug/L	10.00		109	70-130	6	25	
Bromoform	9.15		ug/L	10.00		92	70-130	3	25	
Bromomethane	8.81		ug/L	10.00		88	70-130	9	25	
Carbon Disulfide	11.1		ug/L	10.00		111	70-130	6	25	
Carbon Tetrachloride	10.2		ug/L	10.00		102	70-130	5	25	
Chlorobenzene	10.4		ug/L	10.00		104	70-130	2	25	
Chloroethane	10.1		ug/L	10.00		101	70-130	6	25	
Chloroform	10.4		ug/L	10.00		104	70-130	0.7	25	
Chloromethane	9.59		ug/L	10.00		96	70-130	4	25	
cis-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130	1	25	
cis-1,3-Dichloropropene	11.0		ug/L	10.00		110	70-130	3	25	
Dibromochloromethane	9.83		ug/L	10.00		98	70-130	2	25	
Dibromomethane	11.0		ug/L	10.00		110	70-130	2	25	
Dichlorodifluoromethane	9.14		ug/L	10.00		91	70-130	0.9	25	
Diethyl Ether	20.5		ug/L	10.00		205	70-130	9	25	B+
Di-isopropyl ether	9.98		ug/L	10.00		100	70-130	6	25	
Ethyl tertiary-butyl ether	10.5		ug/L	10.00		105	70-130	2	25	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
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ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

Ethylbenzene	10.2		ug/L	10.00		102	70-130	0.9	25	
Hexachlorobutadiene	10.6		ug/L	10.00		106	70-130	8	25	
Hexachloroethane	9.60		ug/L	10.00		96	70-130	0.9	25	
Isopropylbenzene	11.1		ug/L	10.00		111	70-130	2	25	
Methyl tert-Butyl Ether	10.4		ug/L	10.00		104	70-130	3	25	
Methylene Chloride	12.4		ug/L	10.00		124	70-130	3	25	
Naphthalene	11.0		ug/L	10.00		110	70-130	10	25	
n-Butylbenzene	10.2		ug/L	10.00		102	70-130	4	25	
n-Propylbenzene	10.8		ug/L	10.00		108	70-130	2	25	
sec-Butylbenzene	11.1		ug/L	10.00		111	70-130	0.5	25	
Styrene	10.1		ug/L	10.00		101	70-130	1	25	
tert-Butylbenzene	10.6		ug/L	10.00		106	70-130	2	25	
Tertiary-amyl methyl ether	10.4		ug/L	10.00		104	70-130	2	25	
Tetrachloroethene	8.28		ug/L	10.00		83	70-130	3	25	
Tetrahydrofuran	8.54		ug/L	10.00		85	70-130	7	25	
Toluene	10.9		ug/L	10.00		109	70-130	3	25	
trans-1,2-Dichloroethene	11.3		ug/L	10.00		113	70-130	4	25	
trans-1,3-Dichloropropene	10.1		ug/L	10.00		101	70-130	2	25	
Trichloroethene	10.7		ug/L	10.00		107	70-130	9	25	
Trichlorofluoromethane	9.06		ug/L	10.00		91	70-130	0.9	25	
Vinyl Acetate	9.82		ug/L	10.00		98	70-130	0.5	25	
Vinyl Chloride	10.8		ug/L	10.00		108	70-130	0.6	25	
Xylene O	10.9		ug/L	10.00		109	70-130	4	25	
Xylene P,M	21.1		ug/L	20.00		105	70-130	2	25	
Xylenes (Total)	31.9		mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0270		mg/L	0.02500		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.0251		mg/L	0.02500		100	70-130			
Surrogate: Dibromofluoromethane	0.0280		mg/L	0.02500		112	70-130			
Surrogate: Toluene-d8	0.0255		mg/L	0.02500		102	70-130			

Matrix Spike Source: 1607061-02

1,1,1,2-Tetrachloroethane	10.1		ug/L	10.00	0.00	101	70-130			
1,1,1-Trichloroethane	11.0		ug/L	10.00	0.00	110	70-130			
1,1,2,2-Tetrachloroethane	11.3		ug/L	10.00	0.00	113	70-130			
1,1,2-Trichloroethane	11.4		ug/L	10.00	0.140	113	70-130			
1,1-Dichloroethane	10.6		ug/L	10.00	0.00	106	70-130			
1,1-Dichloroethene	15.4		ug/L	10.00	4.92	105	70-130			
1,1-Dichloropropene	11.0		ug/L	10.00	0.00	110	70-130			
1,2,3-Trichlorobenzene	9.15		ug/L	10.00	0.00	92	70-130			
1,2,3-Trichloropropane	9.95		ug/L	10.00	0.00	100	70-130			
1,2,4-Trichlorobenzene	8.82		ug/L	10.00	0.00	88	70-130			
1,2,4-Trimethylbenzene	10.4		ug/L	10.00	0.00	104	70-130			
1,2-Dibromo-3-Chloropropane	9.84		ug/L	10.00	0.00	98	70-130			
1,2-Dibromoethane	11.0		ug/L	10.00	0.00	110	70-130			
1,2-Dichlorobenzene	10.6		ug/L	10.00	0.00	106	70-130			
1,2-Dichloroethane	11.4		ug/L	10.00	0.00	114	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

1,2-Dichloropropane	13.5		ug/L	10.00	0.00	135	70-130			M+
1,3,5-Trimethylbenzene	10.4		ug/L	10.00	0.00	104	70-130			
1,3-Dichlorobenzene	10.8		ug/L	10.00	0.00	108	70-130			
1,3-Dichloropropane	10.6		ug/L	10.00	0.00	106	70-130			
1,4-Dichlorobenzene	11.0		ug/L	10.00	0.00	110	70-130			
1,4-Dioxane - Screen	67.1		ug/L	200.0	0.00	34	0-332			
1-Chlorohexane	9.47		ug/L	10.00	0.00	95	70-130			
2,2-Dichloropropane	10.2		ug/L	10.00	0.00	102	70-130			
2-Butanone	48.3		ug/L	50.00	0.00	97	70-130			
2-Chlorotoluene	10.8		ug/L	10.00	0.00	108	70-130			
2-Hexanone	44.3		ug/L	50.00	0.00	89	70-130			
4-Chlorotoluene	10.5		ug/L	10.00	0.00	105	70-130			
4-Isopropyltoluene	10.6		ug/L	10.00	0.00	106	70-130			
4-Methyl-2-Pentanone	52.6		ug/L	50.00	0.00	105	70-130			
Acetone	48.9		ug/L	50.00	0.00	98	70-130			
Benzene	11.1		ug/L	10.00	0.140	110	70-130			
Bromobenzene	10.3		ug/L	10.00	0.00	103	70-130			
Bromochloromethane	11.3		ug/L	10.00	0.00	113	70-130			
Bromodichloromethane	11.4		ug/L	10.00	0.00	114	70-130			
Bromoform	9.15		ug/L	10.00	0.00	92	70-130			
Bromomethane	3.69		ug/L	10.00	0.00	37	70-130			M-
Carbon Disulfide	10.5		ug/L	10.00	0.00	105	70-130			
Carbon Tetrachloride	10.3		ug/L	10.00	0.00	103	70-130			
Chlorobenzene	10.4		ug/L	10.00	0.00	104	70-130			
Chloroethane	10.4		ug/L	10.00	0.00	104	70-130			
Chloroform	11.6		ug/L	10.00	0.520	111	70-130			
Chloromethane	9.38		ug/L	10.00	0.00	94	70-130			
cis-1,2-Dichloroethene	94.9		ug/L	10.00	82.7	121	70-130			
cis-1,3-Dichloropropene	10.7		ug/L	10.00	0.00	107	70-130			
Dibromochloromethane	10.1		ug/L	10.00	0.00	101	70-130			
Dibromomethane	12.0		ug/L	10.00	0.00	120	70-130			
Dichlorodifluoromethane	10.2		ug/L	10.00	0.00	102	70-130			
Diethyl Ether	10.4		ug/L	10.00	0.00	104	70-130			
Di-isopropyl ether	9.18		ug/L	10.00	0.00	92	70-130			
Ethyl tertiary-butyl ether	10.0		ug/L	10.00	0.00	100	70-130			
Ethylbenzene	9.93		ug/L	10.00	0.00	99	70-130			
Hexachlorobutadiene	10.3		ug/L	10.00	0.00	103	70-130			
Hexachloroethane	9.64		ug/L	10.00	0.00	96	70-130			
Isopropylbenzene	10.8		ug/L	10.00	0.00	108	70-130			
Methyl tert-Butyl Ether	10.6		ug/L	10.00	0.00	106	70-130			
Methylene Chloride	11.6		ug/L	10.00	0.00	116	70-130			
Naphthalene	9.83		ug/L	10.00	0.00	98	70-130			
n-Butylbenzene	9.79		ug/L	10.00	0.00	98	70-130			
n-Propylbenzene	10.8		ug/L	10.00	0.00	108	70-130			
sec-Butylbenzene	10.8		ug/L	10.00	0.00	108	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

Styrene	10.0		ug/L	10.00	0.00	100	70-130			
tert-Butylbenzene	10.4		ug/L	10.00	0.00	104	70-130			
Tertiary-amyl methyl ether	10.6		ug/L	10.00	0.00	106	70-130			
Tetrachloroethene	11.7		ug/L	10.00	3.46	82	70-130			
Tetrahydrofuran	6.70		ug/L	10.00	0.00	67	70-130			M-
Toluene	11.0		ug/L	10.00	0.00	110	70-130			
trans-1,2-Dichloroethene	12.7		ug/L	10.00	1.94	107	70-130			
trans-1,3-Dichloropropene	10.3		ug/L	10.00	0.00	103	70-130			
Trichloroethene	937		ug/L	10.00	1360	NR	70-130			E, MT
Trichlorofluoromethane	9.97		ug/L	10.00	0.00	100	70-130			
Vinyl Acetate	8.71		ug/L	10.00	0.00	87	70-130			
Vinyl Chloride	15.9		ug/L	10.00	4.47	115	70-130			
Xylene O	10.7		ug/L	10.00	0.00	107	70-130			
Xylene P,M	21.1		ug/L	20.00	0.00	105	70-130			
Xylenes (Total)	31.8		mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0279		mg/L	0.02500		112	70-130			
Surrogate: 4-Bromofluorobenzene	0.0250		mg/L	0.02500		100	70-130			
Surrogate: Dibromofluoromethane	0.0291		mg/L	0.02500		116	70-130			
Surrogate: Toluene-d8	0.0254		mg/L	0.02500		102	70-130			

Matrix Spike Dup Source: 1607061-02

1,1,1,2-Tetrachloroethane	10.6		ug/L	10.00	0.00	106	70-130	5	30	
1,1,1-Trichloroethane	11.4		ug/L	10.00	0.00	114	70-130	4	30	
1,1,2,2-Tetrachloroethane	11.0		ug/L	10.00	0.00	110	70-130	2	30	
1,1,2-Trichloroethane	11.3		ug/L	10.00	0.140	112	70-130	1	30	
1,1-Dichloroethane	11.1		ug/L	10.00	0.00	111	70-130	5	30	
1,1-Dichloroethene	15.3		ug/L	10.00	4.92	104	70-130	1	30	
1,1-Dichloropropene	11.0		ug/L	10.00	0.00	110	70-130	0.6	30	
1,2,3-Trichlorobenzene	9.56		ug/L	10.00	0.00	96	70-130	4	30	
1,2,3-Trichloropropane	9.60		ug/L	10.00	0.00	96	70-130	4	30	
1,2,4-Trichlorobenzene	9.01		ug/L	10.00	0.00	90	70-130	2	30	
1,2,4-Trimethylbenzene	10.2		ug/L	10.00	0.00	102	70-130	2	30	
1,2-Dibromo-3-Chloropropane	8.93		ug/L	10.00	0.00	89	70-130	10	30	
1,2-Dibromoethane	10.7		ug/L	10.00	0.00	107	70-130	3	30	
1,2-Dichlorobenzene	10.3		ug/L	10.00	0.00	103	70-130	3	30	
1,2-Dichloroethane	11.6		ug/L	10.00	0.00	116	70-130	2	30	
1,2-Dichloropropane	13.8		ug/L	10.00	0.00	138	70-130	2	30	M+
1,3,5-Trimethylbenzene	10.2		ug/L	10.00	0.00	102	70-130	2	30	
1,3-Dichlorobenzene	10.3		ug/L	10.00	0.00	103	70-130	5	30	
1,3-Dichloropropane	11.1		ug/L	10.00	0.00	111	70-130	4	30	
1,4-Dichlorobenzene	10.7		ug/L	10.00	0.00	107	70-130	3	30	
1,4-Dioxane - Screen	195		ug/L	200.0	0.00	98	0-332	98	200	
1-Chlorohexane	9.71		ug/L	10.00	0.00	97	70-130	3	30	
2,2-Dichloropropane	9.75		ug/L	10.00	0.00	98	70-130	5	30	
2-Butanone	48.0		ug/L	50.00	0.00	96	70-130	0.6	30	
2-Chlorotoluene	10.6		ug/L	10.00	0.00	106	70-130	3	30	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

2-Hexanone	44.1		ug/L	50.00	0.00	88	70-130	0.4	30	
4-Chlorotoluene	10.6		ug/L	10.00	0.00	106	70-130	0.2	30	
4-Isopropyltoluene	10.4		ug/L	10.00	0.00	104	70-130	2	30	
4-Methyl-2-Pentanone	51.5		ug/L	50.00	0.00	103	70-130	2	30	
Acetone	49.8		ug/L	50.00	0.00	100	70-130	2	30	
Benzene	11.1		ug/L	10.00	0.140	110	70-130	0.5	30	
Bromobenzene	10.0		ug/L	10.00	0.00	100	70-130	3	30	
Bromochloromethane	10.6		ug/L	10.00	0.00	106	70-130	7	30	
Bromodichloromethane	11.2		ug/L	10.00	0.00	112	70-130	2	30	
Bromoform	9.20		ug/L	10.00	0.00	92	70-130	0.5	30	
Bromomethane	5.02		ug/L	10.00	0.00	50	70-130	31	30	D+, M-
Carbon Disulfide	10.8		ug/L	10.00	0.00	108	70-130	2	30	
Carbon Tetrachloride	11.0		ug/L	10.00	0.00	110	70-130	6	30	
Chlorobenzene	10.6		ug/L	10.00	0.00	106	70-130	2	30	
Chloroethane	9.18		ug/L	10.00	0.00	92	70-130	12	30	
Chloroform	11.3		ug/L	10.00	0.520	108	70-130	3	30	
Chloromethane	9.31		ug/L	10.00	0.00	93	70-130	0.7	30	
cis-1,2-Dichloroethene	97.3		ug/L	10.00	82.7	146	70-130	18	30	M+
cis-1,3-Dichloropropene	11.5		ug/L	10.00	0.00	115	70-130	7	30	
Dibromochloromethane	10.2		ug/L	10.00	0.00	102	70-130	1	30	
Dibromomethane	11.5		ug/L	10.00	0.00	115	70-130	4	30	
Dichlorodifluoromethane	10.1		ug/L	10.00	0.00	101	70-130	0.6	30	
Diethyl Ether	9.85		ug/L	10.00	0.00	98	70-130	5	30	
Di-isopropyl ether	9.33		ug/L	10.00	0.00	93	70-130	2	30	
Ethyl tertiary-butyl ether	10.2		ug/L	10.00	0.00	102	70-130	2	30	
Ethylbenzene	9.96		ug/L	10.00	0.00	100	70-130	0.3	30	
Hexachlorobutadiene	9.75		ug/L	10.00	0.00	98	70-130	5	30	
Hexachloroethane	10.2		ug/L	10.00	0.00	102	70-130	6	30	
Isopropylbenzene	11.0		ug/L	10.00	0.00	110	70-130	2	30	
Methyl tert-Butyl Ether	10.7		ug/L	10.00	0.00	107	70-130	1	30	
Methylene Chloride	11.7		ug/L	10.00	0.00	117	70-130	0.8	30	
Naphthalene	10.6		ug/L	10.00	0.00	106	70-130	8	30	
n-Butylbenzene	10.3		ug/L	10.00	0.00	103	70-130	5	30	
n-Propylbenzene	10.6		ug/L	10.00	0.00	106	70-130	1	30	
sec-Butylbenzene	11.1		ug/L	10.00	0.00	111	70-130	2	30	
Styrene	10.0		ug/L	10.00	0.00	100	70-130	0.2	30	
tert-Butylbenzene	10.6		ug/L	10.00	0.00	106	70-130	2	30	
Tertiary-amyl methyl ether	10.7		ug/L	10.00	0.00	107	70-130	2	30	
Tetrachloroethene	11.9		ug/L	10.00	3.46	84	70-130	2	30	
Tetrahydrofuran	6.91		ug/L	10.00	0.00	69	70-130	3	30	M-
Toluene	11.2		ug/L	10.00	0.00	112	70-130	1	30	
trans-1,2-Dichloroethene	13.4		ug/L	10.00	1.94	115	70-130	7	30	
trans-1,3-Dichloropropene	9.90		ug/L	10.00	0.00	99	70-130	4	30	
Trichloroethene	940		ug/L	10.00	1360	NR	70-130	NR	30	E, MT
Trichlorofluoromethane	9.78		ug/L	10.00	0.00	98	70-130	2	30	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG60837 - 5030B

Vinyl Acetate	8.97		ug/L	10.00	0.00	90	70-130	3	30	
Vinyl Chloride	15.3		ug/L	10.00	4.47	109	70-130	5	30	
Xylene O	10.5		ug/L	10.00	0.00	105	70-130	2	30	
Xylene P,M	21.3		ug/L	20.00	0.00	106	70-130	1	30	
Xylenes (Total)	31.8		mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0281		mg/L	0.02500		112	70-130			
Surrogate: 4-Bromofluorobenzene	0.0241		mg/L	0.02500		96	70-130			
Surrogate: Dibromofluoromethane	0.0297		mg/L	0.02500		119	70-130			
Surrogate: Toluene-d8	0.0262		mg/L	0.02500		105	70-130			

Batch CG61138 - 5030B

Blank										
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/L							
1,1,1-Trichloroethane	ND	0.0010	mg/L							
1,1,2,2-Tetrachloroethane	ND	0.0005	mg/L							
1,1,2-Trichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethane	ND	0.0010	mg/L							
1,1-Dichloroethene	ND	0.0010	mg/L							
1,1-Dichloropropene	ND	0.0020	mg/L							
1,2,3-Trichlorobenzene	ND	0.0010	mg/L							
1,2,3-Trichloropropane	ND	0.0010	mg/L							
1,2,4-Trichlorobenzene	ND	0.0010	mg/L							
1,2,4-Trimethylbenzene	ND	0.0010	mg/L							
1,2-Dibromo-3-Chloropropane	ND	0.0050	mg/L							
1,2-Dibromoethane	ND	0.0010	mg/L							
1,2-Dichlorobenzene	ND	0.0010	mg/L							
1,2-Dichloroethane	ND	0.0010	mg/L							
1,2-Dichloropropane	ND	0.0010	mg/L							
1,3,5-Trimethylbenzene	ND	0.0010	mg/L							
1,3-Dichlorobenzene	ND	0.0010	mg/L							
1,3-Dichloropropane	ND	0.0010	mg/L							
1,4-Dichlorobenzene	ND	0.0010	mg/L							
1,4-Dioxane - Screen	ND	0.500	mg/L							
1-Chlorohexane	ND	0.0010	mg/L							
2,2-Dichloropropane	ND	0.0010	mg/L							
2-Butanone	ND	0.0100	mg/L							
2-Chlorotoluene	ND	0.0010	mg/L							
2-Hexanone	ND	0.0100	mg/L							
4-Chlorotoluene	ND	0.0010	mg/L							
4-Isopropyltoluene	ND	0.0010	mg/L							
4-Methyl-2-Pentanone	ND	0.0250	mg/L							
Acetone	ND	0.0100	mg/L							
Benzene	ND	0.0010	mg/L							
Bromobenzene	ND	0.0020	mg/L							
Bromochloromethane	ND	0.0010	mg/L							
Bromodichloromethane	ND	0.0006	mg/L							



CERTIFICATE OF ANALYSIS

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ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG61138 - 5030B

Bromoform	ND	0.0010	mg/L							
Bromomethane	ND	0.0020	mg/L							
Carbon Disulfide	ND	0.0010	mg/L							
Carbon Tetrachloride	ND	0.0010	mg/L							
Chlorobenzene	ND	0.0010	mg/L							
Chloroethane	ND	0.0020	mg/L							
Chloroform	ND	0.0010	mg/L							
Chloromethane	ND	0.0020	mg/L							
cis-1,2-Dichloroethene	ND	0.0010	mg/L							
cis-1,3-Dichloropropene	ND	0.0004	mg/L							
Dibromochloromethane	ND	0.0010	mg/L							
Dibromomethane	ND	0.0010	mg/L							
Dichlorodifluoromethane	ND	0.0020	mg/L							
Diethyl Ether	ND	0.0010	mg/L							
Di-isopropyl ether	ND	0.0010	mg/L							
Ethyl tertiary-butyl ether	ND	0.0010	mg/L							
Ethylbenzene	ND	0.0010	mg/L							
Hexachlorobutadiene	ND	0.0006	mg/L							
Hexachloroethane	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methylene Chloride	ND	0.0020	mg/L							
Naphthalene	ND	0.0010	mg/L							
n-Butylbenzene	ND	0.0010	mg/L							
n-Propylbenzene	ND	0.0010	mg/L							
sec-Butylbenzene	ND	0.0010	mg/L							
Styrene	ND	0.0010	mg/L							
tert-Butylbenzene	ND	0.0010	mg/L							
Tertiary-amyl methyl ether	ND	0.0010	mg/L							
Tetrachloroethene	ND	0.0010	mg/L							
Tetrahydrofuran	ND	0.0050	mg/L							
Toluene	ND	0.0010	mg/L							
trans-1,2-Dichloroethene	ND	0.0010	mg/L							
trans-1,3-Dichloropropene	ND	0.0004	mg/L							
Trichloroethene	ND	0.0010	mg/L							
Trichlorofluoromethane	ND	0.0010	mg/L							
Vinyl Acetate	ND	0.0050	mg/L							
Vinyl Chloride	ND	0.0010	mg/L							
Xylene O	ND	0.0010	mg/L							
Xylene P,M	ND	0.0020	mg/L							
Xylenes (Total)	ND	0.0020	mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0225		mg/L	0.02500		90	70-130			
Surrogate: 4-Bromofluorobenzene	0.0222		mg/L	0.02500		89	70-130			
Surrogate: Dibromofluoromethane	0.0232		mg/L	0.02500		93	70-130			
Surrogate: Toluene-d8	0.0225		mg/L	0.02500		90	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
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ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG61138 - 5030B

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1,1,1,2-Tetrachloroethane	9.60		ug/L	10.00		96	70-130			
1,1,1-Trichloroethane	10.2		ug/L	10.00		102	70-130			
1,1,2,2-Tetrachloroethane	10.5		ug/L	10.00		105	70-130			
1,1,2-Trichloroethane	10.2		ug/L	10.00		102	70-130			
1,1-Dichloroethane	9.87		ug/L	10.00		99	70-130			
1,1-Dichloroethene	10.2		ug/L	10.00		102	70-130			
1,1-Dichloropropene	9.72		ug/L	10.00		97	70-130			
1,2,3-Trichlorobenzene	10.4		ug/L	10.00		104	70-130			
1,2,3-Trichloropropane	9.95		ug/L	10.00		100	70-130			
1,2,4-Trichlorobenzene	9.69		ug/L	10.00		97	70-130			
1,2,4-Trimethylbenzene	9.99		ug/L	10.00		100	70-130			
1,2-Dibromo-3-Chloropropane	10.2		ug/L	10.00		102	70-130			
1,2-Dibromoethane	9.76		ug/L	10.00		98	70-130			
1,2-Dichlorobenzene	10.3		ug/L	10.00		103	70-130			
1,2-Dichloroethane	9.63		ug/L	10.00		96	70-130			
1,2-Dichloropropane	9.38		ug/L	10.00		94	70-130			
1,3,5-Trimethylbenzene	10.1		ug/L	10.00		101	70-130			
1,3-Dichlorobenzene	10.0		ug/L	10.00		100	70-130			
1,3-Dichloropropane	9.86		ug/L	10.00		99	70-130			
1,4-Dichlorobenzene	10.4		ug/L	10.00		104	70-130			
1,4-Dioxane - Screen	224		ug/L	200.0		112	0-332			
1-Chlorohexane	9.67		ug/L	10.00		97	70-130			
2,2-Dichloropropane	10.1		ug/L	10.00		101	70-130			
2-Butanone	47.6		ug/L	50.00		95	70-130			
2-Chlorotoluene	10.3		ug/L	10.00		103	70-130			
2-Hexanone	44.9		ug/L	50.00		90	70-130			
4-Chlorotoluene	10.1		ug/L	10.00		101	70-130			
4-Isopropyltoluene	10.3		ug/L	10.00		103	70-130			
4-Methyl-2-Pentanone	47.6		ug/L	50.00		95	70-130			
Acetone	46.5		ug/L	50.00		93	70-130			
Benzene	9.87		ug/L	10.00		99	70-130			
Bromobenzene	10.2		ug/L	10.00		102	70-130			
Bromochloromethane	9.94		ug/L	10.00		99	70-130			
Bromodichloromethane	10.1		ug/L	10.00		101	70-130			
Bromoform	9.41		ug/L	10.00		94	70-130			
Bromomethane	5.81		ug/L	10.00		58	70-130			B-
Carbon Disulfide	9.91		ug/L	10.00		99	70-130			
Carbon Tetrachloride	9.42		ug/L	10.00		94	70-130			
Chlorobenzene	10.1		ug/L	10.00		101	70-130			
Chloroethane	8.21		ug/L	10.00		82	70-130			
Chloroform	9.64		ug/L	10.00		96	70-130			
Chloromethane	7.80		ug/L	10.00		78	70-130			
cis-1,2-Dichloroethene	9.75		ug/L	10.00		98	70-130			
cis-1,3-Dichloropropene	10.1		ug/L	10.00		101	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
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ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG61138 - 5030B

Dibromochloromethane	9.69		ug/L	10.00		97	70-130			
Dibromomethane	10.4		ug/L	10.00		104	70-130			
Dichlorodifluoromethane	8.80		ug/L	10.00		88	70-130			
Diethyl Ether	8.90		ug/L	10.00		89	70-130			
Di-isopropyl ether	9.39		ug/L	10.00		94	70-130			
Ethyl tertiary-butyl ether	9.52		ug/L	10.00		95	70-130			
Ethylbenzene	9.86		ug/L	10.00		99	70-130			
Hexachlorobutadiene	11.0		ug/L	10.00		110	70-130			
Hexachloroethane	9.58		ug/L	10.00		96	70-130			
Isopropylbenzene	10.6		ug/L	10.00		106	70-130			
Methyl tert-Butyl Ether	10.2		ug/L	10.00		102	70-130			
Methylene Chloride	10.7		ug/L	10.00		107	70-130			
Naphthalene	11.8		ug/L	10.00		118	70-130			
n-Butylbenzene	10.1		ug/L	10.00		101	70-130			
n-Propylbenzene	10.3		ug/L	10.00		103	70-130			
sec-Butylbenzene	10.3		ug/L	10.00		103	70-130			
Styrene	9.69		ug/L	10.00		97	70-130			
tert-Butylbenzene	10.4		ug/L	10.00		104	70-130			
Tertiary-amyl methyl ether	9.90		ug/L	10.00		99	70-130			
Tetrachloroethene	7.99		ug/L	10.00		80	70-130			
Tetrahydrofuran	8.98		ug/L	10.00		90	70-130			
Toluene	10.1		ug/L	10.00		101	70-130			
trans-1,2-Dichloroethene	9.73		ug/L	10.00		97	70-130			
trans-1,3-Dichloropropene	9.52		ug/L	10.00		95	70-130			
Trichloroethene	10.2		ug/L	10.00		102	70-130			
Trichlorofluoromethane	8.81		ug/L	10.00		88	70-130			
Vinyl Acetate	9.64		ug/L	10.00		96	70-130			
Vinyl Chloride	9.25		ug/L	10.00		92	70-130			
Xylene O	10.1		ug/L	10.00		101	70-130			
Xylene P,M	20.0		ug/L	20.00		100	70-130			
Xylenes (Total)	30.1		mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0258		mg/L	0.02500		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.0236		mg/L	0.02500		94	70-130			
Surrogate: Dibromofluoromethane	0.0262		mg/L	0.02500		105	70-130			
Surrogate: Toluene-d8	0.0255		mg/L	0.02500		102	70-130			

LCS Dup

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.00		102	70-130	6	25	
1,1,1-Trichloroethane	9.68		ug/L	10.00		97	70-130	5	25	
1,1,2,2-Tetrachloroethane	10.3		ug/L	10.00		103	70-130	1	25	
1,1,2-Trichloroethane	10.2		ug/L	10.00		102	70-130	0.9	25	
1,1-Dichloroethane	10.1		ug/L	10.00		101	70-130	3	25	
1,1-Dichloroethene	10.1		ug/L	10.00		101	70-130	1	25	
1,1-Dichloropropene	9.97		ug/L	10.00		100	70-130	3	25	
1,2,3-Trichlorobenzene	9.64		ug/L	10.00		96	70-130	7	25	
1,2,3-Trichloropropane	9.40		ug/L	10.00		94	70-130	6	25	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG61138 - 5030B

1,2,4-Trichlorobenzene	9.37		ug/L	10.00		94	70-130	3	25	
1,2,4-Trimethylbenzene	9.18		ug/L	10.00		92	70-130	8	25	
1,2-Dibromo-3-Chloropropane	10.1		ug/L	10.00		101	70-130	1	25	
1,2-Dibromoethane	10.1		ug/L	10.00		101	70-130	4	25	
1,2-Dichlorobenzene	9.89		ug/L	10.00		99	70-130	4	25	
1,2-Dichloroethane	10.4		ug/L	10.00		104	70-130	7	25	
1,2-Dichloropropane	8.89		ug/L	10.00		89	70-130	5	25	
1,3,5-Trimethylbenzene	9.64		ug/L	10.00		96	70-130	5	25	
1,3-Dichlorobenzene	9.98		ug/L	10.00		100	70-130	0.4	25	
1,3-Dichloropropane	10.4		ug/L	10.00		104	70-130	6	25	
1,4-Dichlorobenzene	10.2		ug/L	10.00		102	70-130	2	25	
1,4-Dioxane - Screen	215		ug/L	200.0		107	0-332	4	200	
1-Chlorohexane	10.1		ug/L	10.00		101	70-130	4	25	
2,2-Dichloropropane	9.97		ug/L	10.00		100	70-130	0.9	25	
2-Butanone	48.7		ug/L	50.00		97	70-130	2	25	
2-Chlorotoluene	10.2		ug/L	10.00		102	70-130	1	25	
2-Hexanone	47.5		ug/L	50.00		95	70-130	6	25	
4-Chlorotoluene	9.86		ug/L	10.00		99	70-130	2	25	
4-Isopropyltoluene	10.1		ug/L	10.00		101	70-130	2	25	
4-Methyl-2-Pentanone	51.3		ug/L	50.00		103	70-130	8	25	
Acetone	51.2		ug/L	50.00		102	70-130	10	25	
Benzene	9.86		ug/L	10.00		99	70-130	0.1	25	
Bromobenzene	9.90		ug/L	10.00		99	70-130	3	25	
Bromochloromethane	9.90		ug/L	10.00		99	70-130	0.4	25	
Bromodichloromethane	9.92		ug/L	10.00		99	70-130	2	25	
Bromoform	9.66		ug/L	10.00		97	70-130	3	25	
Bromomethane	6.65		ug/L	10.00		66	70-130	13	25	B-
Carbon Disulfide	9.97		ug/L	10.00		100	70-130	0.6	25	
Carbon Tetrachloride	9.79		ug/L	10.00		98	70-130	4	25	
Chlorobenzene	10.5		ug/L	10.00		105	70-130	4	25	
Chloroethane	8.23		ug/L	10.00		82	70-130	0.2	25	
Chloroform	9.92		ug/L	10.00		99	70-130	3	25	
Chloromethane	8.07		ug/L	10.00		81	70-130	3	25	
cis-1,2-Dichloroethene	10.1		ug/L	10.00		101	70-130	3	25	
cis-1,3-Dichloropropene	10.5		ug/L	10.00		105	70-130	4	25	
Dibromochloromethane	10.1		ug/L	10.00		101	70-130	4	25	
Dibromomethane	10.6		ug/L	10.00		106	70-130	2	25	
Dichlorodifluoromethane	8.51		ug/L	10.00		85	70-130	3	25	
Diethyl Ether	8.90		ug/L	10.00		89	70-130	0	25	
Di-isopropyl ether	9.45		ug/L	10.00		94	70-130	0.6	25	
Ethyl tertiary-butyl ether	9.98		ug/L	10.00		100	70-130	5	25	
Ethylbenzene	10.1		ug/L	10.00		101	70-130	2	25	
Hexachlorobutadiene	10.1		ug/L	10.00		101	70-130	8	25	
Hexachloroethane	9.28		ug/L	10.00		93	70-130	3	25	
Isopropylbenzene	10.3		ug/L	10.00		103	70-130	4	25	



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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8260B Volatile Organic Compounds

Batch CG61138 - 5030B

Methyl tert-Butyl Ether	9.97		ug/L	10.00		100	70-130	2	25	
Methylene Chloride	10.8		ug/L	10.00		108	70-130	0.6	25	
Naphthalene	10.7		ug/L	10.00		107	70-130	10	25	
n-Butylbenzene	9.72		ug/L	10.00		97	70-130	4	25	
n-Propylbenzene	9.94		ug/L	10.00		99	70-130	4	25	
sec-Butylbenzene	10.4		ug/L	10.00		104	70-130	0.6	25	
Styrene	10.0		ug/L	10.00		100	70-130	3	25	
tert-Butylbenzene	10.2		ug/L	10.00		102	70-130	1	25	
Tertiary-amyl methyl ether	10.2		ug/L	10.00		102	70-130	3	25	
Tetrachloroethene	8.26		ug/L	10.00		83	70-130	3	25	
Tetrahydrofuran	9.05		ug/L	10.00		90	70-130	0.8	25	
Toluene	9.73		ug/L	10.00		97	70-130	4	25	
trans-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130	7	25	
trans-1,3-Dichloropropene	9.71		ug/L	10.00		97	70-130	2	25	
Trichloroethene	9.89		ug/L	10.00		99	70-130	3	25	
Trichlorofluoromethane	8.12		ug/L	10.00		81	70-130	8	25	
Vinyl Acetate	9.77		ug/L	10.00		98	70-130	1	25	
Vinyl Chloride	9.17		ug/L	10.00		92	70-130	0.9	25	
Xylene O	10.5		ug/L	10.00		105	70-130	4	25	
Xylene P,M	20.8		ug/L	20.00		104	70-130	4	25	
Xylenes (Total)	31.4		mg/L							
Surrogate: 1,2-Dichloroethane-d4	0.0256		mg/L	0.02500		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.0249		mg/L	0.02500		100	70-130			
Surrogate: Dibromofluoromethane	0.0272		mg/L	0.02500		109	70-130			
Surrogate: Toluene-d8	0.0258		mg/L	0.02500		103	70-130			



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

Notes and Definitions

- U Analyte included in the analysis, but not detected
- MT Due to high target values, matrix spike analyte(s) is masked (MT).
- M+ Matrix Spike recovery is above upper control limit (M+).
- M- Matrix Spike recovery is below lower control limit (M-).
- E Reported above the quantitation limit; Estimated value (E).
- D+ Relative percent difference for duplicate is outside of criteria (D+).
- D Diluted.
- CD+ Continuing Calibration %Diff/Drift is above control limit (CD+).
- CD- Continuing Calibration %Diff/Drift is below control limit (CD-).
- B+ Blank Spike recovery is above upper control limit (B+).
- 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
- SUB Subcontracted analysis; see attached report



CERTIFICATE OF ANALYSIS

Client Name: AMEC Foster Wheeler
Client Project ID: Textron Gorham - Groundwater

ESS Laboratory Work Order: 1607061

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179
<http://www.health.ri.gov/find/labs/analytical/ESS.pdf>

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

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002
<http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/documents/AllLabs.xls>

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

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424
<http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm>

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

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006
http://datamine2.state.nj.us/DEP_OPRA/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

United States Department of Agriculture Soil Permit: P330-12-00139

Pennsylvania: 68-01752
http://www.depweb.state.pa.us/portal/server.pt/community/labs/13780/laboratory_accreditation_program/590095

ESS Laboratory Sample and Cooler Receipt Checklist

Client: AMEC Foster Wheeler - KPB/HDM

ESS Project ID: 1607061
 Date Received: 7/6/2016
 Project Due Date: 7/13/2016
 Days for Project: 5 Day

Shipped/Delivered Via: _____ Client _____

1. Air bill manifest present? No
 Air No.: NA
2. Were custody seals present? NA
3. Is radiation count <100 CPM? Yes
4. Is a Cooler Present? Yes
 Temp: 3.3 Iced with: Ice
5. Was COC signed and dated by client? Yes

6. Does COC match bottles? Yes
7. Is COC complete and correct? Yes
8. Were samples received intact? Yes
9. Were labs informed about short holds & rushes? Yes / No / NA
10. Were any analyses received outside of hold time? Yes / No

11. Any Subcontracting needed? Yes / No
 ESS Sample IDs: _____
 Analysis: _____
 TAT: _____

12. Were VOAs received? Yes / No
 a. Air bubbles in aqueous VOAs? Yes / No
 b. Does methanol cover soil completely? Yes / No / NA

13. Are the samples properly preserved? Yes / No
 a. If metals preserved upon receipt: Date: _____ Time: _____ By: _____
 b. Low Level VOAs brought to freezer: Date: _____ Time: _____ By: _____

Sample Receiving Notes:

14. Was there a need to contact Project Manager? Yes / No
 a. Was there a need to contact the client? Yes / No
 Who was contacted? _____ Date: _____ Time: _____ By: _____

Sample Number	Container ID	Proper Container	Air Bubbles Present	Sufficient Volume	Container Type	Preservative	Record pH (Cyanide and 608 Pesticides)
01	48765	Yes	No	Yes	VOA Vial - HCl	HCL	
01	48766	Yes	No	Yes	VOA Vial - HCl	HCL	
01	48767	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48768	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48769	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48770	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48771	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48772	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48773	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48774	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48775	Yes	No	Yes	VOA Vial - HCl	HCL	
02	48776	Yes	No	Yes	VOA Vial - HCl	HCL	
03	48762	Yes	No	Yes	VOA Vial - HCl	HCL	
03	48763	Yes	No	Yes	VOA Vial - HCl	HCL	
03	48764	Yes	No	Yes	VOA Vial - HCl	HCL	
04	48759	Yes	No	Yes	VOA Vial - HCl	HCL	
04	48760	Yes	No	Yes	VOA Vial - HCl	HCL	
04	48761	Yes	No	Yes	VOA Vial - HCl	HCL	
05	48756	Yes	No	Yes	VOA Vial - HCl	HCL	
05	48757	Yes	No	Yes	VOA Vial - HCl	HCL	
05	48758	Yes	No	Yes	VOA Vial - HCl	HCL	
06	48777	Yes	No	Yes	VOA Vial - HCl	HCL	

ESS Laboratory Sample and Cooler Receipt Checklist

Client: AMEC Foster Wheeler - KPB/HDM

ESS Project ID: 1607061
Date Received: 7/6/2016

2nd Review
Are barcode labels on correct containers? Yes / No

Completed By: <u>Adrian Pyske</u>	Date & Time: <u>7/6/16</u>	<u>14:20</u>
Reviewed By: <u>AM 20</u>	Date & Time: <u>7/6/16</u>	<u>1845</u>
Delivered By: <u>JRC 20</u>	<u>7/6/16</u>	<u>1845</u>

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 _____

Regulatory State: MA (R) CT NH NJ NY ME Other _____

Is this project for any of the following: (please circle)

MA-MCP Navy USACE CT DEP Other RI-DEM

Project # 36217000 Project Name Test for G-ohum
 Address 271 MILL RD PO # _____

City Chelmsford State MA Zip 01881
 email: Donise.kingsame@ct.gov

ESS Lab ID	Date	Collection Time	Grab-G Composite-C	Matrix	Sample ID	Pres Code	# of Containers	Type of Container	Vol of Container	Analysis
1	7-6-16	915	G	GW	MW-241	2	3	V	40ml	X
2	7-6-16	1025	G	GW	MW-D	2	3	V	40ml	X
3	7-6-16	1040	G	GW	MW-236	2	3	V	40ml	X
4	7-6-16	1055	G	GW	MW-235	2	3	V	40ml	X
5	7-6-16	—	G	GW	Dup-01	2	3	V	40ml	X
6	7-6-16	—	G	TB	Trip blank-01	2	1	V	40ml	X

Container Type: P-Poly G-Glass AG-Amber Glass S-Sterile V-VOA Matrix: S-Soil SP-Solid D-Sludge WW-Wastewater GW-Groundwater SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filter

Cooler Present Yes No Internal Use Only Pickup Technician

Seals Intact Yes No NA:

Cooler Temperature: 3.3 Ice AB Sampled by: Mark Massaro 339-927-3797

Comments: _____

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Relinquished by: (Signature, Date & Time) Received by: (Signature, Date & Time)

Please fax to the laboratory all changes to Chain of Custody

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