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May 28, 2008

Mr. Joseph T. Martella II, Senior Engineer
RIDEM Office of Waste Management
Site Remediation Program
235 Providence Street
Providence, RI 02908

RE: Retail Complex Groundwater Investigation
Former Gorham Manufacturing Facility, Retail Complex
333 Adelaide Avenue, Providence, Rhode Island
MACTEC Project No. 3650050041.16

Dear Mr. Martella:

This letter summarizes the recently completed groundwater investigation activities conducted at the Former Gorham Manufacturing Facility, 333 Adelaide Avenue, Providence, Rhode Island (the Site) between March 19 and April 2, 2008. A summary of the soil vapor investigation at Adelaide Avenue, conducted concurrently, will be provided at a later date after follow-up work has been completed.

BACKGROUND

This groundwater investigation was conducted in response to the soil vapor investigation and limited groundwater investigation performed in November 2007 for the retail complex (which consists of one large retail building [the former supermarket] and three smaller adjacent retail stores). Those investigations identified volatile organic compounds (VOCs), particularly 1,1,1-trichloroethane (1,1,1-TCA) and trichloroethene (TCE), in soil vapor samples and groundwater samples collected from beneath the retail complex.

The objectives of this groundwater investigation were to characterize the nature and extent of impacted groundwater beneath and in the immediate vicinity of the retail complex and to obtain information that would be used to refine the overall conceptual site model for groundwater. The work plan for this work was submitted to the Rhode Island Department of Environmental Management (RIDEM) on March 7, 2008 and was posted on RIDEM's project website.

SITE PREPARATION ACTIVITIES

MACTEC Engineering and Consulting, Inc. (MACTEC) contacted Dig-Safe to mark underground utilities prior to conducting the investigation. In addition, MACTEC distributed written notification of the proposed work to the abutters, stakeholders and building owner/occupants on March 7, 2008 prior to conducting the work. This notification was issued in both English and Spanish.

WORK ACTIVITIES CONDUCTED, GROUNDWATER INVESTIGATION

MACTEC and its subcontractor, Geologic, Inc. of Norfolk, Massachusetts, installed one deep well and two monitoring well couplets (MW-223D, MW-225S/D, and MW-226S/D) inside the retail complex and three well couplets (MW-227S/D, MW-228S/D, and MW-230S/D) outside the retail complex. Monitoring well couplets MW-227S/D and MW-228S/D were installed upgradient of the retail complex and monitoring well couplet MW-230S/D was installed downgradient of the retail complex. Well couplets consisted of one shallow (water table) well and one deep (approximately 60 ft below ground surface [bgs]) well. See Figure 1 for new well locations and existing well locations, which were sampled during this investigation. Soil removed for the well installation was containerized in 55-gallon drums and labeled and was subsequently disposed in accordance with applicable laws and regulations on May 5, 2008. The waste manifest is provided in Appendix A.

Initially, a direct push technology was utilized to obtain groundwater samples from various locations in order to identify optimal locations for the monitoring wells that would be installed. Monitoring wells installed in November 2007 had already identified an area of elevated VOCs in groundwater. Soil cores were obtained, and groundwater grab samples were collected using a direct push probe (Geoprobe® rig). Groundwater grab samples were submitted under chain of custody and were analyzed on a 24 hour turn-around time at ESS Laboratory of Cranston, Rhode Island. The analytical results were used to finalize monitoring well placement. Two direct push locations (DP-5 and DP-6) were investigated inside the retail complex, and four direct push locations (DP-1 through DP-4) were investigated outside the retail complex. No groundwater grab sample was collected at DP-5 because the monitoring well location was fixed at that location. See Figure 1 for direct push locations. One soil sample was collected at DP-2 because highly elevated VOC screening results were identified during the soil boring and grab groundwater collection.

All new monitoring wells installed inside the retail complex were one-inch diameter wells, and all new monitoring wells installed outside the retail complex were two-inch diameter wells. All new wells were constructed with 10 ft slotted polyvinyl chloride (PVC) screens with PVC risers and were completed with flush mount road boxes. Appendix B includes the field data records for monitoring well installation, and Appendix C includes the field data records for soil boring logs. Locations of new monitoring wells inside the retail complex were documented with a tape measure, measured from the walls inside the retail complex. Locations of new monitoring wells outside the retail complex were identified with GPS. Top of casing (TOC) elevations were surveyed by MACTEC with a level using an existing benchmark ('X' cut on the fire hydrant between the retail complex and the school, elevation = 67.39 ft). See Table 1 for TOC elevations for the new monitoring wells and existing monitoring wells, which were sampled during this investigation.

New monitoring wells inside the retail complex were developed using pump and surge techniques with a check valve and ½" high density polyethylene (HDPE) tubing, and new groundwater monitoring wells outside the retail complex were developed by a combination of pump and surge techniques, monsoon pump, and whale pump. Appendix D includes the field data records for monitoring well development. All development water was containerized in 55-gallon drums and labeled. The drums of soil and groundwater were removed and disposed at a licensed disposal facility on May 5, 2008 (Appendix A).

The eleven new wells (MW-223D, MW-225S/D, MW-226S/D, MW-227S/D, MW-228S/D, and MW-230S/D) and five existing wells (MW-220S, MW-221S, MW-222S, MW-223S, and MW-224S) were sampled using U.S. Environmental Protection Agency (USEPA) low-flow sampling methodology and were submitted for laboratory analysis for VOCs (EPA Method 8260B). Two existing well clusters, MW-204S/D and MW-207S/D, were previously sampled by Shaw Environmental in 2007 and on February 7, 2008, respectively. These well clusters were not re-sampled during this April, 2008 investigation. Field data records for groundwater sampling are included in Appendix E. In addition, the water levels in the new wells and the five existing wells were measured to verify groundwater flow directions at the Site. See Table 1 for groundwater elevations in the existing and new monitoring wells.

RESULTS

The March/April 2008 groundwater data for this area near the retail complex was used to delineate horizontal and vertical extent of impacted groundwater. These results will also help identify remaining data gaps and refine the site conceptual model.

Groundwater Investigation

Table 2 presents a summary of the analytical data for VOCs detected in the direct push grab groundwater samples and for VOCs detected in groundwater samples from monitoring wells. The laboratory report for these groundwater samples is contained in Appendix F.

Compounds with the highest groundwater concentrations include, in decreasing order, 1,1,1-TCA, TCE, tetrachlroroethene (PCE), 1,1-dichloroethane (1,1-DCA), and cis-1,2 dichloroethene (cis-1,2-DCE). Concentrations of other chlorinated compounds and benzene, toluene, ethylbenzene, and xylenes were substantially lower than the identified chlorinated compounds.

The groundwater sampling results for 1,1,1-TCA, TCE, and PCE are presented on Figures 2 through 7. In these figures, as indicated in the legend, the spheres represent sample locations based on concentration; the spheres are sized based on the concentration. There are two figures for each compound depicting both shallow (water table) and deep compound concentrations detected. The groundwater concentration distribution of each of these VOCs is discussed below.

The groundwater analytical data for 1,1,1-TCA are shown on Figures 2 and 3. 1,1,1-TCA data ranged from non-detect to 52.8 milligrams per liter (mg/L). The highest groundwater concentration was detected at DP-2S. As shown on Figure 2, the impacted area is a narrow area that appears to be on an axis that runs from southeast to northwest. Concentrations appear to decrease in all directions from location DP-2S. The shallow groundwater impact area concentrations appear to be consistent with shallow groundwater flow past location DP-2S to the northwest. For 1,1,1-TCA, the data indicate that the groundwater impact is primarily in shallow groundwater. As shown in Figure 3, 1,1,1-TCA was detected at much lower concentrations in deep groundwater samples than in the shallow groundwater samples.

The groundwater analytical data for TCE are shown on Figures 4 and 5. TCE data ranged from non-detect to 23.9 mg/L. The highest groundwater concentration was detected at DP-2D. For

TCE, the area of highly impacted shallow groundwater has a similar shape and orientation as that of 1,1,1-TCA. The impacted shallow groundwater area appears to have a southeast to northwest axis. For TCE in deep groundwater, the highly impacted area is similar in shape, but it extends further to the southeast and the axis appears to be more southeast to west-northwest. For TCE, both shallow and deep groundwater are impacted, and the concentrations in deep groundwater samples appear to be somewhat higher than those in shallow groundwater samples. This may be due to the blending of groundwater with the former Building W plume originating south of the retail complex.

The groundwater analytical data for PCE are shown on Figures 6 and 7. PCE data ranged from non-detect to 5.02 mg/L. The highest groundwater concentration was detected at DP-4S. As shown in Figure 6, PCE concentrations in shallow groundwater were generally lower than concentrations of 1,1,1-TCA and TCE and the locus of the impact area (location DP-4S) is different than the locus of the impacted areas for the other two compounds. The horizontal impact area in shallow groundwater is well defined to the east and north of the locus. A groundwater investigation including existing monitoring wells not sampled during the March/April 2008 investigation may be used to provide additional information concerning the extent of PCE in shallow and deep groundwater as a separate activity associated with the refined conceptual site model. Figure 7 indicates that the PCE impacts to groundwater are primarily limited to the shallow groundwater samples that were collected at the water table. PCE concentrations in deep groundwater samples were substantially lower than those reported for shallow groundwater samples.

Groundwater Flow

Groundwater was observed from approximately 23 ft to 26 ft bgs, and flows in a northwesterly direction. The gradient is approximately 0.004. Groundwater levels in each well and groundwater contours are included in Figure 8. The groundwater flow direction and gradient are consistent with previous observations presented in Figure 4.36 of the July 2006 Supplemental Site Investigation Report prepared by MACTEC.

Comparison of Groundwater Results to November 2007 Soil Vapor Results

Theoretical equilibrium soil vapor concentrations were computed from shallow groundwater concentrations, based on Henry's Law, for 1,1,1-TCA, TCE, and PCE at five locations (SG-4/MW-222S, SG-14/MW-224S, SG-6/MW-226S, SG-2/MW-225S, SG-11/MW-223S) where

both groundwater (March 2008) and soil vapor (November 2007) were collected. These calculations were performed to assess whether the groundwater concentrations could explain the observed VOC concentrations in soil vapor samples collected from beneath the building. The computed theoretical equilibrium soil vapor concentrations were compared to measured soil vapor concentrations (at 21 ft bgs, which is the deepest soil vapor sampling zone) from the November 2007 soil vapor investigation inside the retail complex. Table 3 summarizes this comparison, and Figure 9 includes the soil vapor points from the November 2007 investigation and the five monitoring wells which were located near soil vapor points.

SG-4/MW-222S and SG-14/MW-224S are located in the middle of the highest concentrations of 1,1,1-TCA and TCE in groundwater and are the best locations to compare equilibrium soil vapor concentrations to measured soil vapor concentrations. The computed, or theoretical, equilibrium soil vapor concentration for 1,1,1-TCA at MW-222S is 68% of the soil vapor concentration measured at SG-4, and the theoretical equilibrium soil vapor concentration for TCE at MW-222S is 56% of the soil vapor concentration measured at SG-4. The theoretical equilibrium soil vapor concentration for 1,1,1-TCA at MW-224S is 280% of the soil vapor concentration measured at SG-14, and the theoretical equivalent soil vapor concentration for TCE at MW-224S is 230% of the soil vapor concentration measured at SG-14.

CONCLUSIONS

Upon inspection of the figures for shallow and deep groundwater samples (Figures 2 through 7), it is apparent that the southwest corner of the former supermarket (the area of DP-2, MW-222S, and MW-224S) is the location of the highest concentrations of VOCs. Also, the 1,1,1-TCA groundwater concentrations were generally substantially lower in the groundwater samples collected from deep direct push borings and monitoring wells than in the in shallow groundwater samples collected at the groundwater table. For TCE, at each location, concentrations are similar in the shallow water table sample and the deep groundwater sample. PCE was found in shallow groundwater in the parking lot immediately south of the retail building and to a much lesser extent beneath the middle of the three smaller retail units, extending north towards Mashapaug Cove. PCE was not found beneath the former supermarket in shallow or deep groundwater. This detection of PCE at MW-228S and MW-226S is the likely source of low levels of PCE found in the soil vapor beneath the retail building and detected in the indoor air.

Multiple lines of evidence from this investigation and the November 2007 soil vapor investigation indicate that the groundwater is likely the major source of concentrations of VOCs in soil vapor and indoor air at the retail complex. A comparison was done of the calculated equilibrium concentrations from groundwater concentrations to measured soil vapor concentrations in the source area (SG-4/MW-222S and SG-14/MW-224) for 1,1,1-TCA and TCE. The average ratio of Equilibrium concentrations to groundwater concentrations at these two locations was 173% for 1,1,1-TCA and 142% for TCE. Ratios greater than 100% indicate that the groundwater is the primary source of contamination to the soil vapor. In addition, the area impacted by VOCs in groundwater near the southwest corner of the former supermarket is similar to the soil vapor impact area. Also, the 3-D distribution of soil vapor concentrations indicates that the highest concentrations generally are near the groundwater table. Lastly, headspace screening of soil samples during installation of wells and soil borings for communication testing indicate that VOCs in soil are minimal. Additional soil investigations beneath the retail complex will help to determine if contamination present in the soil is contributing to the measured soil vapor contamination.

Based on the results of the groundwater investigation and previous soil vapor investigations, shallow groundwater in the vicinity of DP-1, MW-224S, MW-222S, and DP-2 is impacted and contains a source of VOCs in the groundwater that are directly associated with the observed VOC soil vapor and indoor air concentrations.

PROPOSED ACTIONS

Textron conducted an additional assessment of the soils beneath the retail complex on May 8-9, 2008. Textron will also install a soil vapor mitigation system in all four retail spaces. This mitigation system will be conducted as a Short Term Response Action under Section 6.0 of the RIDEM Remediation Regulations. A Short Term Response Action work plan was submitted by Textron on May 9, 2008 for RIDEM approval. Textron will use these investigation results to refine the site conceptual model, address data gaps as necessary and ultimately propose a revised groundwater remediation approach for the Site.

Feel free to contact either Michael Murphy at (781) 213-5600 or Greg Simpson of Textron at (401) 457-2635 with any questions. We are available either for a conference call or to meet with RIDEM to address any questions you may have on these results.

Sincerely,
MACTEC Engineering and Consulting, Inc.

for Philip J. Muller with permission
Project Engineer

Michael Murphy
Senior Principal Scientist

Attachments: Tables
Figures
Appendix A – Waste Manifest
Appendix B – Monitoring Well Diagrams
Appendix C – Soil Boring Logs
Appendix D – Well Development Records
Appendix E – Groundwater Sampling Records
Appendix F – ESS Laboratory Analytical Report

cc: T. Deller, City of Providence
P. Grivers, EA Engineering, Science, and Technology
G. Simpson, Textron, Inc.
G. Wilson, Kimco Realty Corporation (including tenants)
J. Morgan, The Stop & Shop Supermarket Co. LLC
Knight Memorial Library Repository
MACTEC Project File [P:\TEXTRON\GORHAM\Stop & Shop\gw investigation 2008\REPORT GW Investigation 052808.doc]

Tables

Table 1. TOC Elevations and Groundwater Elevations (April 2, 2008)
March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

Well ID	Top of Riser Elev (ft)	Depth to Water (ft)	Groundwater Elev (ft)
MW-220S	66.11	24.76	41.35
MW-221S	65.63	not measured - product in well	
MW-222S	66.85	not measured - obstruction in well	
MW-223S	66.93	26.09	40.84
MW-223D	66.84	26.80	40.04
MW-224S	66.97	26.43	40.54
MW-225S	66.87	25.50	41.37
MW-225D	66.86	25.50	41.36
MW-226S	66.92	26.52	40.40
MW-226D	66.84	23.35	43.49
MW-227S	64.77	23.38	41.39
MW-227D	65.02	23.70	41.32
MW-228S	65.05	23.96	41.09
MW-228D	65.27	24.10	41.17
MW-229	65.06	23.40	41.66
MW-230S	63.35	23.38	39.97
MW-230D	63.72	23.75	39.97

Note: Existing benchmark ('X' cut on fire hydrant between the retail complex and the school) was used for elevation control. Benchmark elevation is 67.39 ft.

Prepared by: PJM
Checked by: TRH

Table 2
Summary of Groundwater Analytical Data - March/April 2008
333 Adelaide Avenue
Providence, Rhode Island

chemical_name	Frequency of Detection	Range of Nondetect Concentrations	Range of Detected Concentrations	Average of Samples	DP1D GWDP1D 3/13/2008	DP1S GWDP1S 3/12/2008	DP2D GWDP2D 3/13/2008	DP2S GWDP2S 3/13/2008	DP3D GWDP3D 3/17/2008
Volatile Organics (mg/L)									
1,1,1-Trichloroethane	22 / 29	0.001 : 0.1	0.0015 - 52.8	2.894675862	0.0436	3.33 D	1.03 D	52.8 D	0.1 UD
1,1,2-Trichloroethane	3 / 29	0.001 : 0.1	0.0014 - 0.0033	0.01022069	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
1,1-Dichloroethane	20 / 29	0.001 : 0.1	0.0012 - 1.71	0.159658621	0.0181	0.653 D	0.05 UD	1.71 D	0.1 UD
1,1-Dichloroethene	22 / 29	0.001 : 0.1	0.001 - 0.748	0.084713793	0.021	0.0904	0.194 D	0.748 D	0.363 D
1,2,4-Trimethylbenzene	1 / 29	0.001 : 0.1	0.0267 - 0.0267	0.010937931	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
1,2-Dichloroethane	1 / 29	0.001 : 0.1	0.0013 - 0.0013	0.010062069	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
1,3,5-Trimethylbenzene	1 / 29	0.001 : 0.1	0.0063 - 0.0063	0.010234483	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
4-Isopropyltoluene	1 / 29	0.001 : 0.1	0.0013 - 0.0013	0.010062069	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
Benzene	1 / 29	0.001 : 0.1	0.0016 - 0.0016	0.010072414	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
Chloroethane	6 / 29	0.002 : 0.2	0.0023 - 0.034	0.022958621	0.002 U	0.0044	0.1 UD	0.2 UD	0.2 UD
Chloroform	5 / 29	0.001 : 0.1	0.0016 - 0.0218	0.011362069	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
cis-1,2-Dichloroethene	22 / 29	0.001 : 0.1	0.0011 - 1.26	0.12562069	0.0471	0.206 D	0.408 D	1.26 D	0.427 D
Ethylbenzene	1 / 29	0.001 : 0.1	0.0077 - 0.0077	0.010282759	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
Isopropylbenzene	1 / 29	0.001 : 0.1	0.0017 - 0.0017	0.010075862	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
m,p-Xylene	1 / 29	0.002 : 0.2	0.0074 - 0.0074	0.020289655	0.002 U	0.002 U	0.1 UD	0.2 UD	0.2 UD
Methyl-t-butyl ether	2 / 29	0.001 : 0.1	0.0012 - 0.0013	0.010086207	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
Naphthalene	4 / 29	0.001 : 0.1	0.0012 - 0.0284	0.011117241	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
n-Propylbenzene	1 / 29	0.001 : 0.1	0.0026 - 0.0026	0.010106897	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
o-Xylene	1 / 29	0.001 : 0.1	0.0137 - 0.0137	0.010489655	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
sec-Butylbenzene	1 / 29	0.001 : 0.1	0.0011 - 0.0011	0.010055172	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
Tetrachloroethene	17 / 29	0.001 : 0.1	0.0011 - 5.02	0.44882069	0.001 U	0.0015	0.05 UD	0.107 D	0.1 UD
Toluene	2 / 29	0.001 : 0.1	0.0014 - 0.0046	0.010206897	0.001 U	0.001 U	0.05 UD	0.1 UD	0.1 UD
trans-1,2-Dichloroethene	6 / 29	0.001 : 0.1	0.0015 - 0.0246	0.011762069	0.0053	0.0019	0.05 UD	0.1 UD	0.1 UD
Trichloroethene	26 / 29	0.001 : 0.001	0.0027 - 23.9	2.478958621	0.213 D	1.03 D	23.9 D	21.6 D	2.34 D
Trichlorofluoromethane	13 / 29	0.001 : 0.1	0.001 - 0.0149	0.012024138	0.0022	0.0149	0.05 UD	0.1 UD	0.1 UD
Trihalomethanes, Total	3 / 29	0.0036 : 0.36	0.0078 - 0.0218	0.037231034	0.0036 U	0.0036 U	0.18 UD	0.36 UD	0.36 UD
Vinyl chloride	4 / 29	0.001 : 0.1	0.0011 - 0.0249	0.011031034	0.001 U	0.0011	0.05 UD	0.1 UD	0.1 UD
Xylenes, Total	1 / 29	0.003 : 0.3	0.0211 - 0.0211	0.03077931	0.003 U	0.003 U	0.15 UD	0.3 UD	0.3 UD

U - Not Detected, value is the detection limit

D - Sample was diluted prior to analysis

Table 2
Summary of Groundwater Analytical Data - March/April 2008
333 Adelaide Avenue
Providence, Rhode Island

chemical_name	DP3S GWDP3S 3/13/2008	DP4D GWDP4D 3/17/2008	DP4S GWDP4S 3/17/2008	DP6D GWDP6D 3/18/2008	DP6S GWDP6S 3/18/2008	MW-220S MW 220S01 3/31/2008	MW-221S MW 221S01 3/31/2008	MW-222S MW222S01 3/28/2008	MW-223D MW223D01 3/27/2008	MW-223S MW223S01 3/27/2008
Volatile Organics (mg/L)										
1,1,1-Trichloroethane	1.87 D	0.01 UD	0.1 UD	0.001 U	0.0015	0.0696	0.0248	4.55 D	0.001 U	0.022
1,1,2-Trichloroethane	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.1 UD	0.001 U	0.001 U
1,1-Dichloroethane	0.566 D	0.01 UD	0.1 UD	0.001 U	0.001 U	0.131 D	0.102 D	0.27 D	0.001 U	0.0012
1,1-Dichloroethene	0.0222	0.0137 D	0.1 UD	0.001 U	0.001 U	0.0045	0.001	0.139 D	0.001 U	0.001 U
1,2,4-Trimethylbenzene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0267	0.1 UD	0.001 U	0.001 U
1,2-Dichloroethane	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.1 UD	0.001 U	0.001 U
1,3,5-Trimethylbenzene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0063	0.1 UD	0.001 U	0.001 U
4-Isopropyltoluene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0013	0.1 UD	0.001 U	0.001 U
Benzene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0016	0.1 UD	0.001 U	0.001 U
Chloroethane	0.0335	0.02 UD	0.2 UD	0.002 U	0.002 U	0.0133	0.034	0.2 UD	0.002 U	0.002 U
Chloroform	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.1 UD	0.001 U	0.001 U
cis-1,2-Dichloroethene	0.257 D	0.0254 D	0.1 UD	0.001 U	0.0011	0.108 D	0.0264	0.1 UD	0.001 U	0.001 U
Ethylbenzene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0077	0.1 UD	0.001 U	0.001 U
Isopropylbenzene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0017	0.1 UD	0.001 U	0.001 U
m,p-Xylene	0.002 U	0.02 UD	0.2 UD	0.002 U	0.002 U	0.002 U	0.0074	0.2 UD	0.002 U	0.002 U
Methyl-t-butyl ether	0.0013	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.1 UD	0.001 U	0.001 U
Naphthalene	0.0015	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0284	0.1 UD	0.001 U	0.001 U
n-Propylbenzene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0026	0.1 UD	0.001 U	0.001 U
o-Xylene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0137	0.1 UD	0.001 U	0.001 U
sec-Butylbenzene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0011	0.1 UD	0.001 U	0.001 U
Tetrachloroethene	0.0084	0.01 UD	5.02 D	0.001 U	0.001 U	0.0011	0.003	0.1 UD	0.001 U	0.001 U
Toluene	0.0046	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0014	0.1 UD	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.1 UD	0.001 U	0.001 U
Trichloroethene	0.908 D	0.286 D	0.498 D	0.001 U	0.0036	0.0232	0.0175	2.07 D	0.001 U	0.0027
Trichlorofluoromethane	0.0045	0.01 UD	0.1 UD	0.001 U	0.001 U	0.0016	0.001 U	0.1 UD	0.001 U	0.001 U
Trihalomethanes, Total	0.0036 U	0.036 UD	0.36 UD	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.36 UD	0.0036 U	0.0036 U
Vinyl chloride	0.001 U	0.01 UD	0.1 UD	0.001 U	0.001 U	0.001 U	0.0249	0.1 UD	0.001 U	0.001 U
Xylenes, Total	0.003 U	0.03 UD	0.3 UD	0.003 U	0.003 U	0.003 U	0.0211	0.3 UD	0.003 U	0.003 U

U - Not Detected, value is the detection limit

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Table 2
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333 Adelaide Avenue
Providence, Rhode Island

chemical_name	MW-224S MW224S01 3/28/2008	MW-225D MW225D01 3/27/2008	MW-225S MW225S01 3/27/2008	MW-226D MW 226D01 4/2/2008	MW-226S MW 226S01 4/2/2008	MW-227D MW 227D01 3/31/2008	MW-227S MW 227S01 3/31/2008	MW-227S MW 227S01 Dup 3/31/2008	MW-228D MW 228D01 4/1/2008	MW-228S MW 228S01 4/1/2008
Volatile Organics (mg/L)										
1,1,1-Trichloroethane	17.8 D	0.001 U	0.0609	0.0045	0.348 D	0.224 D	0.432 D	0.4 D	0.0035	0.114 D
1,1,2-Trichloroethane	0.1 UD	0.001 U	0.001 U	0.0022	0.001 U	0.0033	0.001 U	0.001 U	0.0014	0.001 U
1,1-Dichloroethane	0.577 D	0.001 U	0.0311	0.0069	0.0632	0.0143	0.105 D	0.101 D	0.0097	0.0443
1,1-Dichloroethene	0.447 D	0.001 U	0.0033	0.0798	0.0099	0.158 D	0.0128	0.013	0.0422	0.0103
1,2,4-Trimethylbenzene	0.1 UD	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	0.1 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.0013	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	0.1 UD	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	0.1 UD	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
Benzene	0.1 UD	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	0.2 UD	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0023	0.0023	0.002 U	0.002 U
Chloroform	0.1 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.0218	0.0078	0.0079	0.0016	0.001 U
cis-1,2-Dichloroethene	0.244 D	0.001 U	0.0433	0.162 D	0.014	0.0985 D	0.0389	0.0384	0.0764	0.0165
Ethylbenzene	0.1 UD	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	0.1 UD	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	0.2 UD	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
Methyl-t-butyl ether	0.1 UD	0.001 U	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Naphthalene	0.1 UD	0.001 U	0.001 U	0.0012	0.001 U	0.001 U	0.001 U	0.001 U	0.0023	0.001 U
n-Propylbenzene	0.1 UD	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	0.1 UD	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	0.1 UD	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	0.1 UD	0.001 U	0.001 U	0.0107	0.418 D	0.0047	0.0221	0.0213	0.0054	3.61 D
Toluene	0.1 UD	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	0.1 UD	0.001 U	0.001 U	0.0246	0.001 U	0.0114	0.001 U	0.001 U	0.0084	0.001 U
Trichloroethene	6.44 D	0.0159	0.0114	4.87 D	0.324 D	3.94 D	0.348 D	0.312 D	0.912 D	0.578 D
Trichlorofluoromethane	0.1 UD	0.001 U	0.001	0.001 U	0.0047	0.0013	0.0062	0.0062	0.001 U	0.004
Trihalomethanes, Total	0.36 UD	0.0036 U	0.0036 U	0.0036 U	0.0036 U	0.0218	0.0078	0.0079	0.0036 U	0.0036 U
Vinyl chloride	0.1 UD	0.001 U	0.001 U	0.003	0.001 U	0.001 U	0.001 U	0.001 U	0.0019	0.001 U
Xylenes, Total	0.3 UD	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U

U - Not Detected, value is the detection limit

D - Sample was diluted prior to analysis

Table 2
Summary of Groundwater Analytical Data - March/April 2008
333 Adelaide Avenue
Providence, Rhode Island

chemical_name	MW-228S MW 228S01 Dup 4/1/2008	MW-229S MW 229S01 4/2/2008	MW-230D MW 230D01 4/1/2008	MW-230S MW 230S01 4/1/2008
Volatile Organics (mg/L)				
1,1,1-Trichloroethane	0.106 D	0.001 U	0.0682	0.536 D
1,1,2-Trichloroethane	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	0.0432	0.001 U	0.0106	0.04
1,1-Dichloroethene	0.0096	0.001 U	0.0124	0.0086
1,2,4-Trimethylbenzene	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	0.001 U	0.001 U	0.001 U	0.001 U
1,3,5-Trimethylbenzene	0.001 U	0.001 U	0.001 U	0.001 U
4-Isopropyltoluene	0.001 U	0.001 U	0.001 U	0.001 U
Benzene	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	0.002 U	0.002 U	0.002 U	0.002 U
Chloroform	0.001 U	0.001 U	0.0019	0.001 U
cis-1,2-Dichloroethene	0.0162	0.001 U	0.0122	0.0141
Ethylbenzene	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	0.001 U	0.001 U	0.001 U	0.001 U
m,p-Xylene	0.002 U	0.002 U	0.002 U	0.002 U
Methyl-t-butyl ether	0.001 U	0.001 U	0.001 U	0.001 U
Naphthalene	0.001 U	0.001 U	0.001 U	0.001 U
n-Propylbenzene	0.001 U	0.001 U	0.001 U	0.001 U
o-Xylene	0.001 U	0.001 U	0.001 U	0.001 U
sec-Butylbenzene	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	3.52 D	0.0744 D	0.0026	0.0021
Toluene	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	0.001 U	0.001 U	0.0015	0.001 U
Trichloroethene	0.542 D	0.001 U	0.521 D	0.182 D
Trichlorofluoromethane	0.0037	0.001 U	0.0097	0.0042
Trihalomethanes, Total	0.0036 U	0.0036 U	0.0036 U	0.0036 U
Vinyl chloride	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes, Total	0.003 U	0.003 U	0.003 U	0.003 U

U - Not Detected, value is the detection limit
D - Sample was diluted prior to analysis

Prepared by / Date: KJC 04/11/08
Checked by / Date: ARM 04/11/08

Table 3. Comparison Between Measured Soil Vapor Concentrations and Predicted Soil Vapor Concentrations Based on Groundwater Concentrations
March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

1,1,1-TCA
1 ppm = 5.46 mg/m3

Boring/ Monitoring Well	Measured Soil Vapor Conc. at 21 ft bgs (Nov 07) (ppb)	Measured Soil Vapor Conc. at 21 ft bgs (Nov 07) (ug/m3)	Measured GW Conc. (Nov 07) (mg/l)	Measured GW Conc. (Mar 08) (mg/l)	Theoretical Equilibrium Soil Vapor Conc. (Mar 08) (ug/m3)	Theoretical Equilibrium Soil Vapor Conc./ Measured Soil Vapor Conc. (%)
SG-4/MW-222S	860000	**4.7E+06**	7.42	4.55	**3.2E+06**	68.1
SG-14/MW-224S	820000	**4.5E+06**	1.75	17.8	**1.3E+07**	279.2
SG-6/MW-226S	260000	**1.4E+06**	-	0.348	**2.5E+05**	17.3
SG-2/MW-225S	1800	**9.8E+03**	-	0.0609	**4.3E+04**	435.5
SG-11/MW-223S	165000	**9.0E+05**	0.0656	0.022	**1.6E+04**	1.7

TCE
1 ppm = 5.37 mg/m3

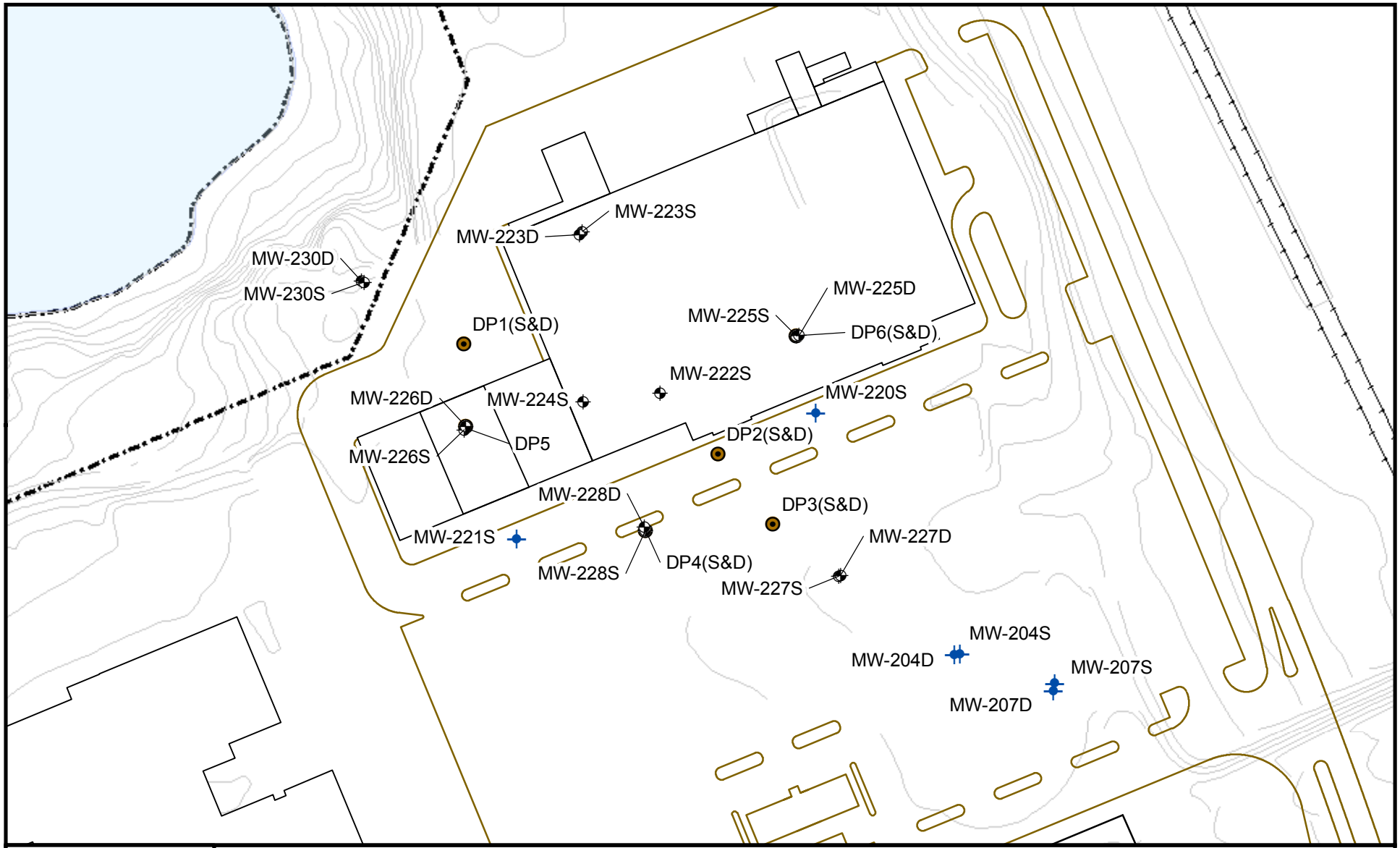
Boring/ Monitoring Well	Measured Soil Vapor Conc. at 21 ft bgs (Nov 07) (ppb)	Measured Soil Vapor Conc. at 21 ft bgs (Nov 07) (ug/m3)	Measured GW Conc. (Nov 07) (mg/l)	Measured GW Conc. (Mar 08) (mg/l)	Theoretical Equilibrium Soil Vapor Conc. (Mar 08) (ug/m3)	Theoretical Equilibrium Soil Vapor Conc./ Measured Soil Vapor Conc. (%)
SG-4/MW-222S	290000	**1.6E+06**	7.09	2.07	**8.7E+05**	56.0
SG-14/MW-224S	220000	**1.2E+06**	0.883	6.44	**2.7E+06**	229.4
SG-6/MW-226S	39000	**2.1E+05**	-	0.324	**1.4E+05**	64.9
SG-2/MW-225S	29000	**1.6E+05**	-	0.0114	**4.8E+03**	3.1
SG-11/MW-223S	5800	**3.1E+04**	0.0077	0.0027	**1.1E+03**	3.7

PCE
1 ppm = 6.78 mg/m3

Boring/ Monitoring Well	Measured Soil Vapor Conc. at 21 ft bgs (Nov 07) (ppb)	Measured Soil Vapor Conc. at 21 ft bgs (Nov 07) (ug/m3)	Measured GW Conc. (Nov 07) (mg/l)	Measured GW Conc. (Mar 08) (mg/l)	Theoretical Equilibrium Soil Vapor Conc. (Mar 08) (ug/m3)	Theoretical Equilibrium Soil Vapor Conc./ Measured Soil Vapor Conc. (%)
SG-4/MW-222S	1500	**1.0E+04**	0.0128	ND	**-**	-
SG-14/MW-224S	740	**5.0E+03**	0.0021	ND	**-**	-
SG-6/MW-226S	950	**6.4E+03**	-	0.418	**3.2E+05**	4890.5
SG-2/MW-225S	370	**2.5E+03**	-	ND	**-**	-
SG-11/MW-223S	31	**2.1E+02**	<0.001	ND	**-**	-

Prepared by: PJM
Checked by: MJM

Figures



MACTEC

N

0 50 100 Feet

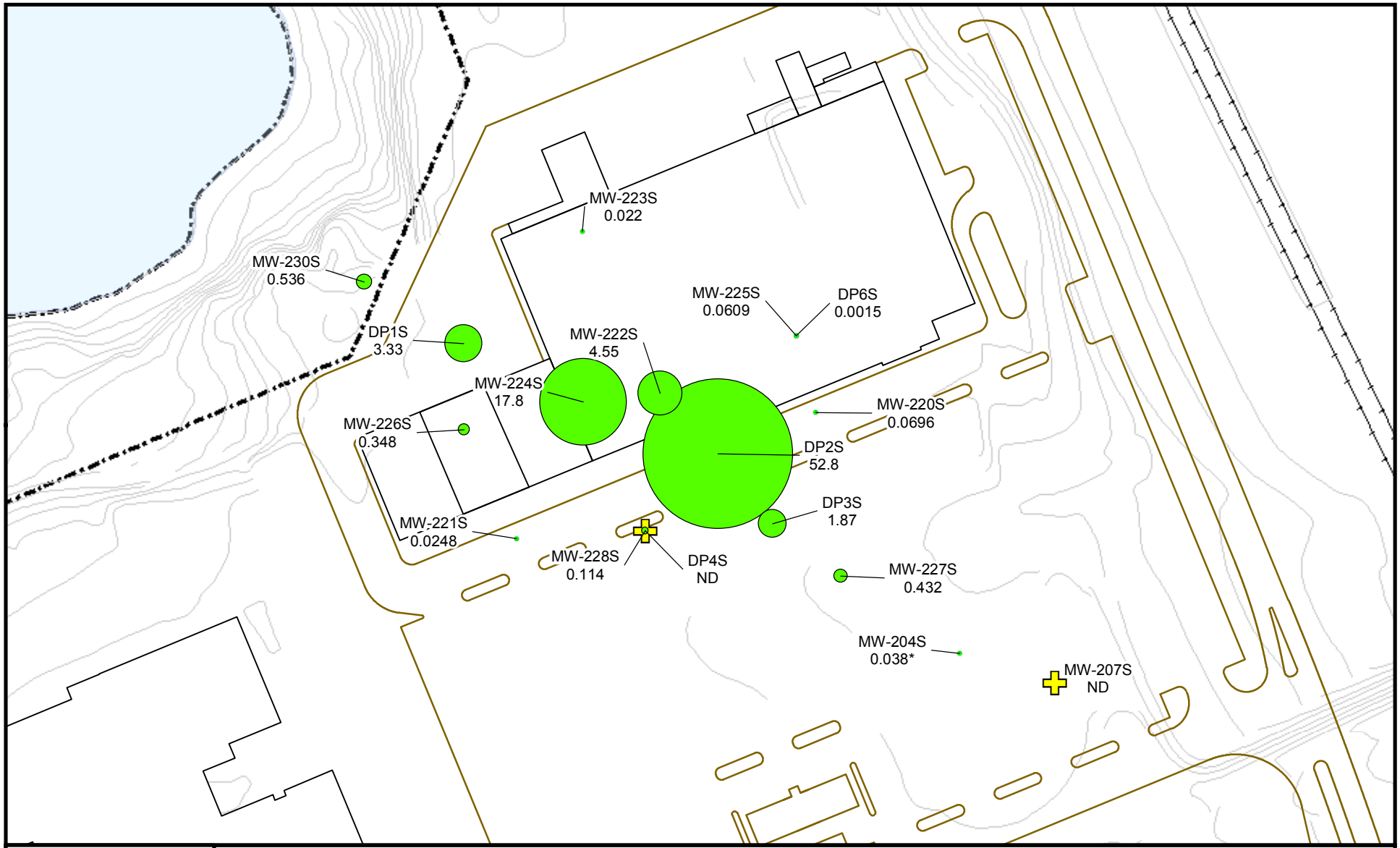
Prepared by BJR | Checked by PJM

Legend

- New Monitoring Well
- Direct Push with Geoprobe®
- Existing Monitoring Well
- Current Building
- Pavement Outline
- Elevation

Figure 1
Direct Push Locations, New Monitoring Wells, and Existing Monitoring Wells Studied During March 2008 Investigation
March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

Document: P:\TEXTRON\GORHAM\GIS\MapDocuments\StopShopVI.mxd PDF: P:\TEXTRON\GORHAM\Stop & Shop\gw investigation 2008\Figures\Figure 1 - Investigation Locations for GW distributions.pdf 05/08/2008 8:50 AM bjroden



MACTEC

N

0 50 100 Feet

Prepared by BJR | Checked by PJM

Notes:

1. Symbol size is proportional based on detected chemical concentration. Concentrations less than 0.1 mg/L are set at minimum symbol size.
2. Concentrations shown are in units of mg/L
3. ND - Not Detected
4. MW-207S sampled by Shaw on 2/7/08.
5. Concentration for MW-204S is highest concentration of 1,1,1-TCA in groundwater in 2006 (last year that well was sampled)

Legend

- Analyte Detected
- Analyte Not Detected
- Current Building
- Pavement Outline
- Elevation

Figure 2
Distribution of 1,1,1-TCA
in Shallow Groundwater

March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

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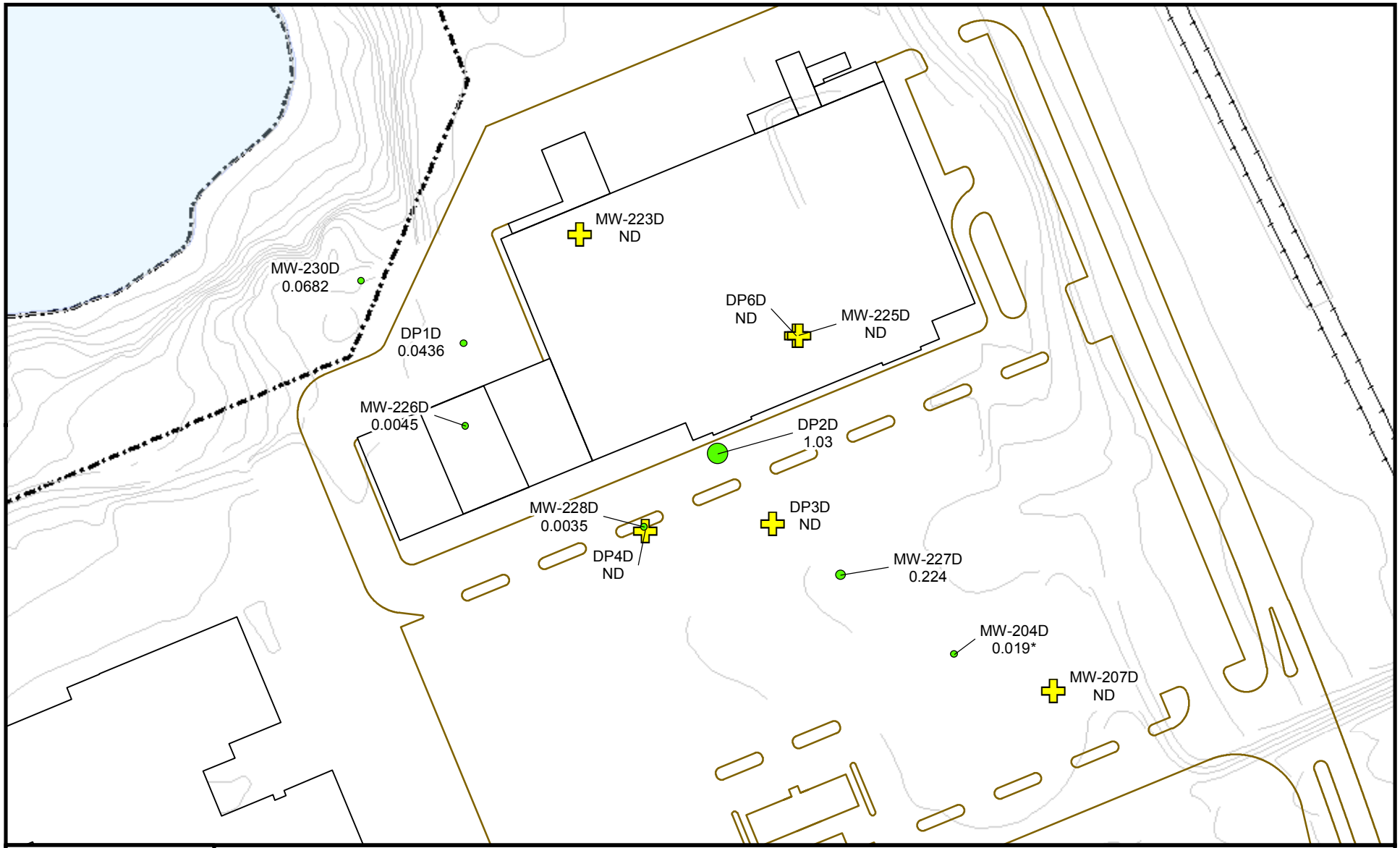

MACTEC

N

0 50 100 Feet

Prepared by BJR | Checked by PJM

Notes:

1. Symbol size is proportional based on detected chemical concentration. Concentrations less than 0.1 mg/L are set at minimum symbol size.
2. Concentrations shown are in units of mg/L
3. ND - Not Detected
4. MW-207D sampled by Shaw on 2/7/08.
5. Concentration for MW-204D is highest concentration of 1,1,1-TCA in groundwater in 2006 (last year that well was sampled)

Legend

- Analyte Detected
- Analyte Not Detected
- Current Building
- Pavement Outline
- Elevation

Figure 3
Distribution of 1,1,1-TCA
in Deep Groundwater

March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

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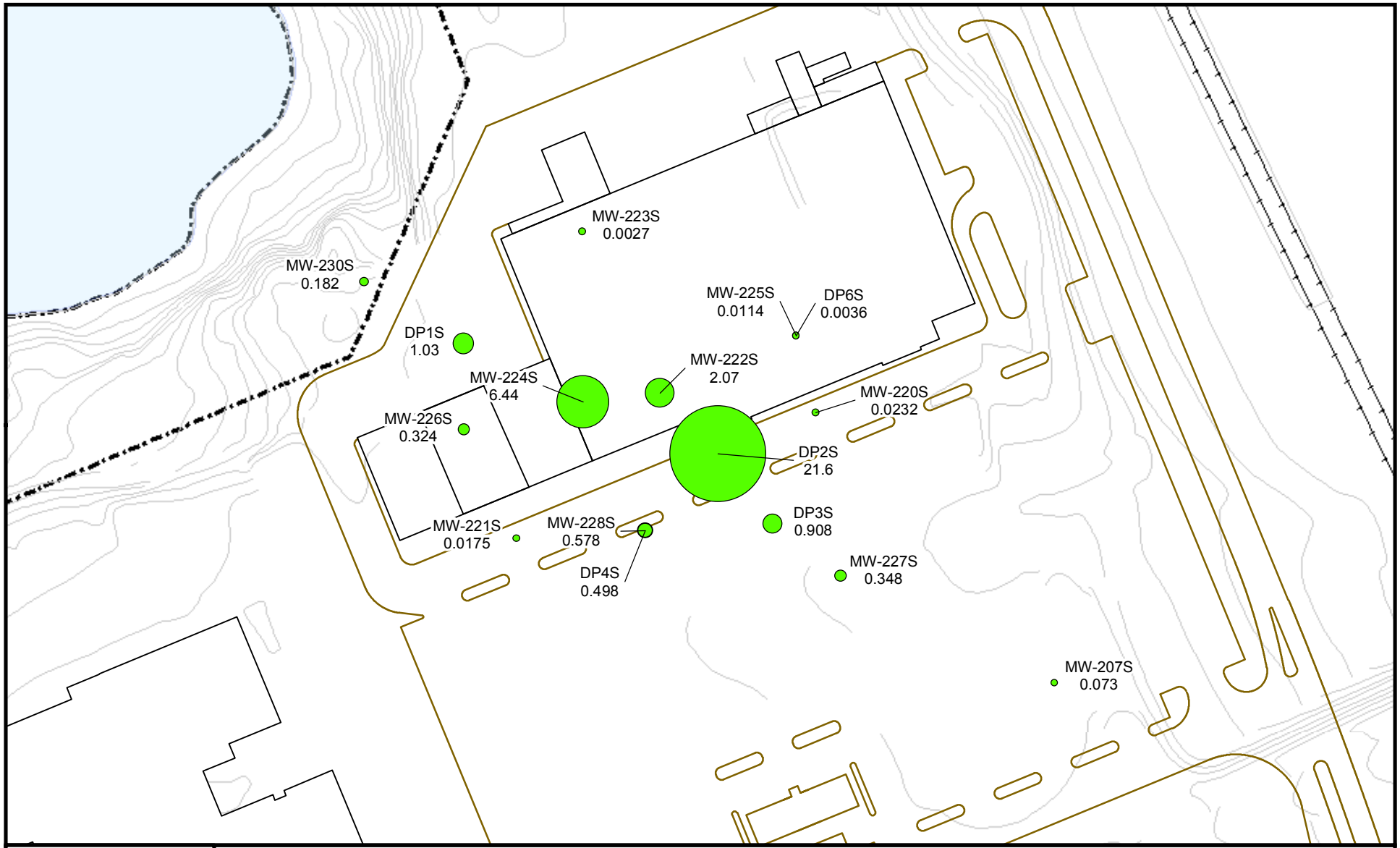

MACTEC

Figure 4
Distribution of TCE
in Shallow Groundwater

March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

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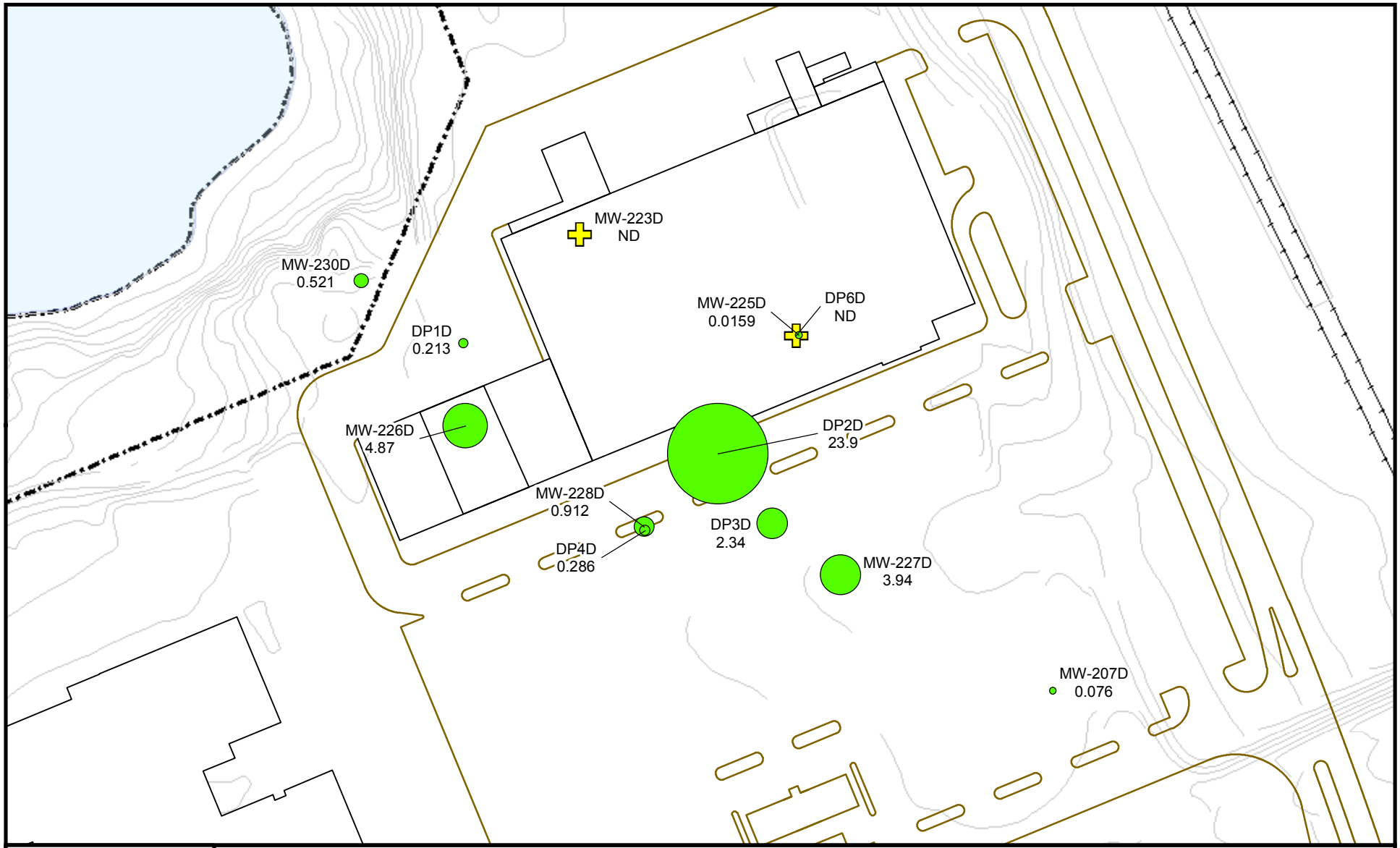

MACTEC

N

0 50 100 Feet

Prepared by BJR | Checked by PJM

Notes:

1. Symbol size is proportional based on detected chemical concentration. Concentrations less than 0.1 mg/L are set at minimum symbol size.
2. Concentrations shown are in units of mg/L
3. ND - Not Detected
4. MW-207D sampled by Shaw on 2/7/08

Legend

- Analyte Detected
- Analyte Not Detected
- Current Building
- Pavement Outline
- Elevation

Figure 5
Distribution of TCE
in Deep Groundwater

March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

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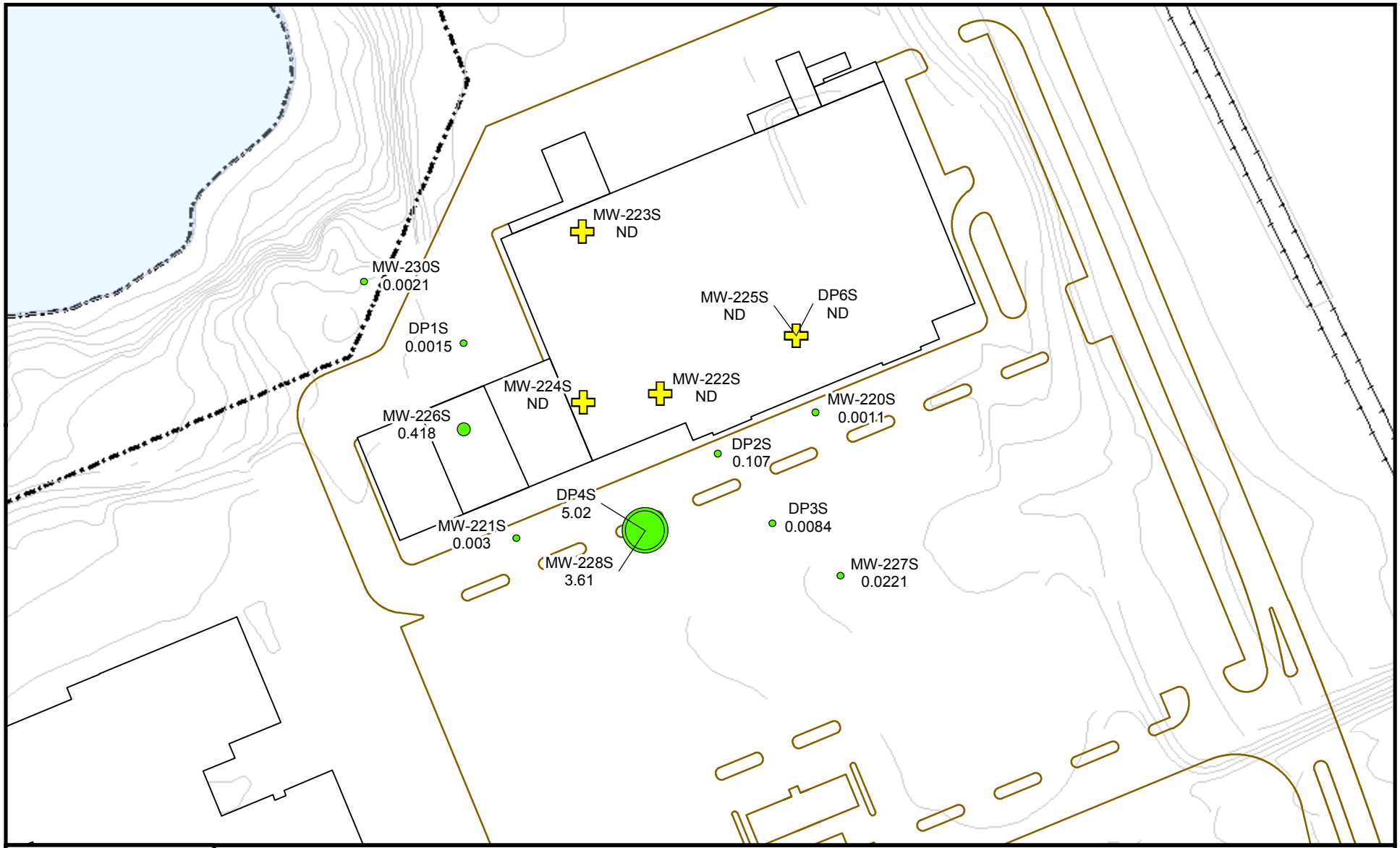

MACTEC

N

0 50 100 Feet

Prepared by BJR | Checked by PJM

Notes:
1. Symbol size is proportional based on detected chemical concentration. Concentrations less than 0.1 mg/L are set at minimum symbol size.
2. Concentrations shown are in units of mg/L
3. ND - Not Detected

Legend

- Analyte Detected
- Analyte Not Detected
- Current Building
- Pavement Outline
- Elevation

Figure 6
Distribution of PCE
in Shallow Groundwater

March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

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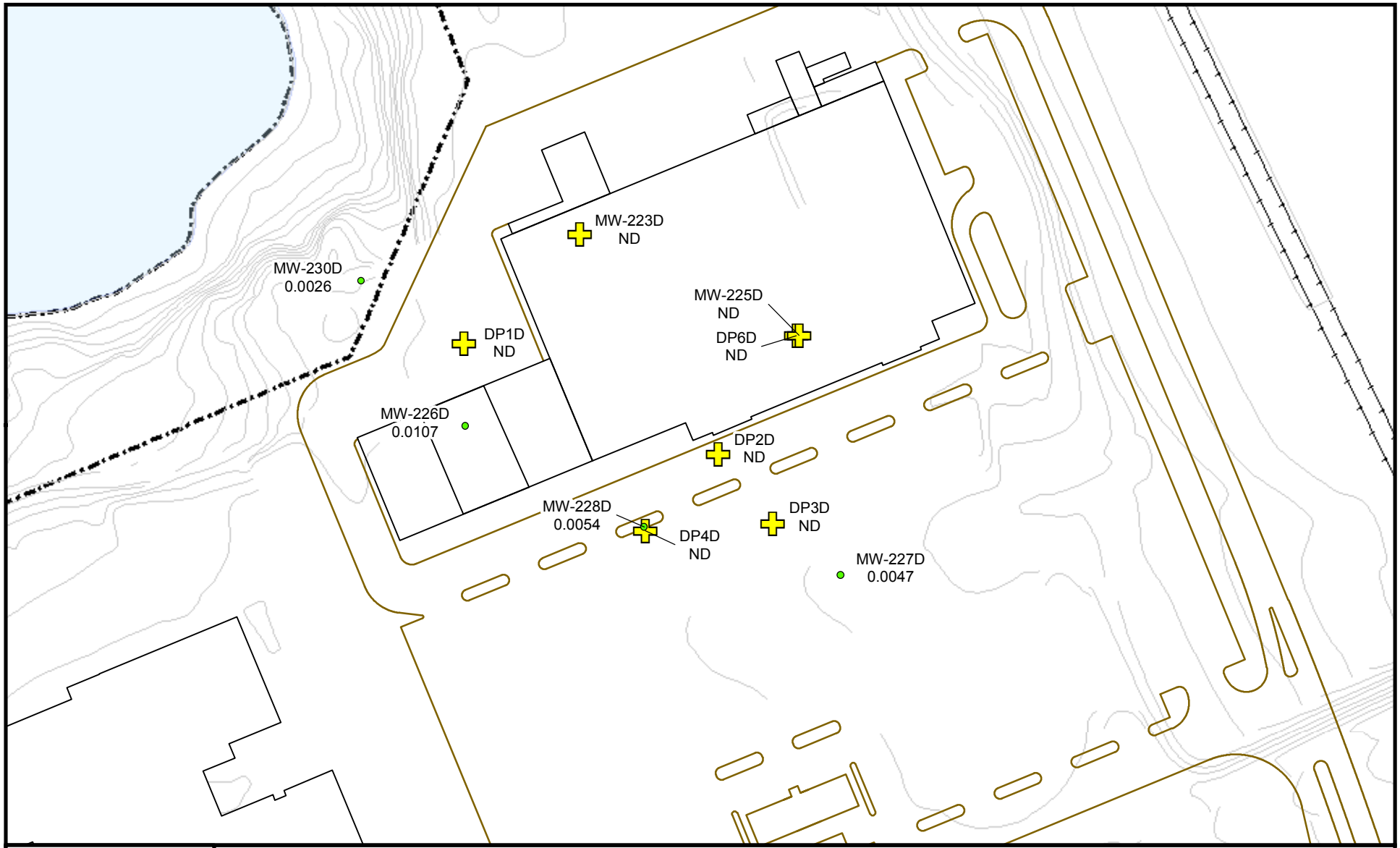

MACTEC

N

0 50 100 Feet

Prepared by BJR | Checked by PJM

Notes:
1. Symbol size is proportional based on detected chemical concentration. Concentrations less than 0.1 mg/L are set at minimum symbol size.
2. Concentrations shown are in units of mg/L
3. ND - Not Detected

Legend

- Analyte Detected
- Analyte Not Detected
- Current Building
- Pavement Outline
- Elevation

Figure 7
Distribution of PCE
in Deep Groundwater

March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

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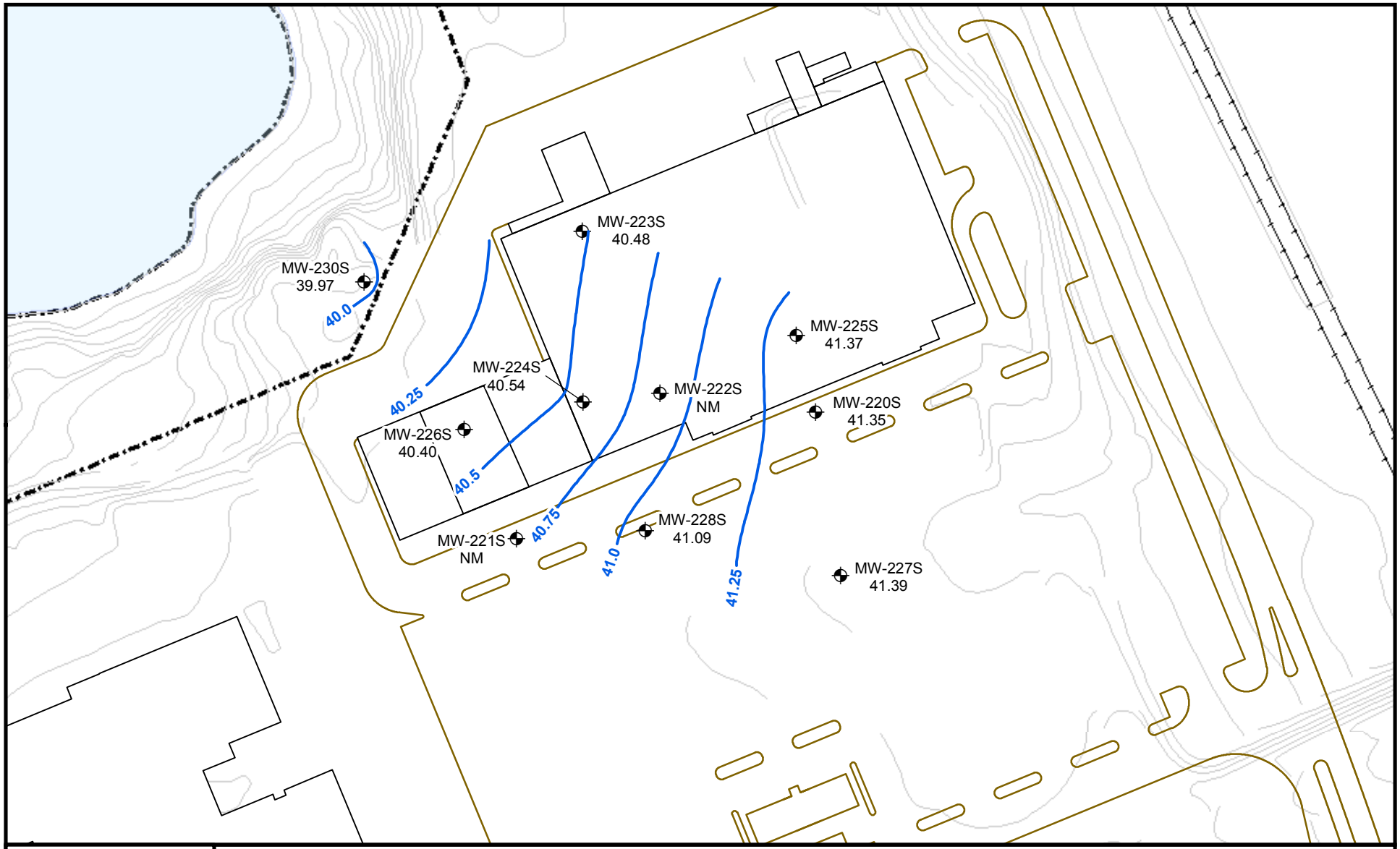

MACTEC

N

0 50 100 Feet

Prepared by BJR | Checked by PJM

Legend

- Monitoring Well
- Groundwater Contour
- NM Not Measured
- Current Building
- Pavement Outline
- Elevation

Figure 8
Shallow Groundwater Contours
April 2008

March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

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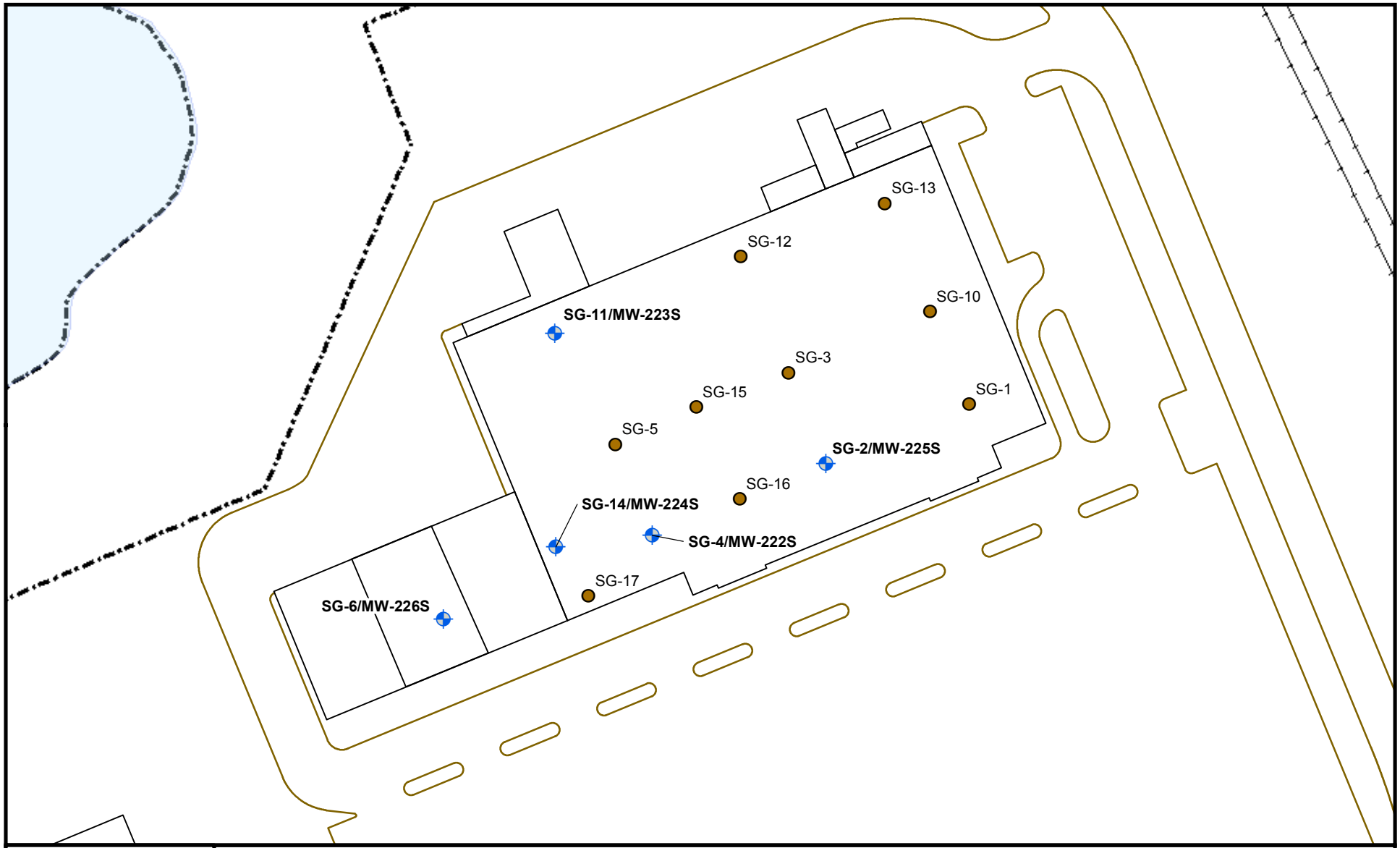


MACTEC

N

0 40 80 Feet

Prepared by BJR | Checked by PJM

Legend

- Current Building
- Soil Gas Sample Location
- Soil Gas Sample Location and Monitoring Well
- Pavement Outline

Figure 9
Soil Gas Sampling Locations from November 2007 Investigation and New Monitoring Wells Inside Retail Complex
March 2008 Investigation
333 Adelaide Avenue
Providence, Rhode Island

Document: P:\TEXTRON\GORHAM\GIS\MapDocuments\StopShopVI.mxd PDF: P:\TEXTRON\GORHAM\Stop & Shop\gw investigation 2008\Figures\Figure 9 - SG and new MW Locations in Retail Space.pdf 05/08/2008 9:26 AM bjroden

Appendix A

Waste Manifest

5117

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) RI1893395-001 PPW 01/10/2008 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
R I D 0 0 1 1 9 5 0 1 5	1	(800) 483-3718	001882665 FLE

GENERATOR

5. Generator's Name and Mailing Address

Textron
40 Westminster Street
Providence, RI 02903
Generator's Phone: 401 457-2635 ATTN: Greg Simpson

Generator's Site Address (if different than mailing address)

333 Adelaide Avenue
Providence, RI 02905

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: M A D 0 3 9 3 2 2 2 5 0

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address

Clean Harbors of Braintree Inc
1 Hill Avenue
Braintree, MA, 02184
Facility's Phone: (781) 380-7100

U.S. EPA ID Number: M A D 0 5 3 4 5 2 6 3 7

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., (TRICHLOROETHYLENE,TETRACHLOROETHYLENE), 9, PG III	14	DM	700	9	D039 D040 F001
X	2. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (TRICHLOROETHYLENE,TETRACHLOROETHYLENE), 9, PG III	05	DM	2,000	P	D039 D040 F001
	3.					
	4.					

14. Special Handling Instructions and Additional Information

1. CH308330 ERG#171
2. CH308340 ERG#171

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Gregory L Simpson — Signature — Month 05 Day 01 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Victor Delgado — Signature — Month 05 Day 05 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number

18b. Alternate Facility (or Generator)

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name: Keith L. Devyshire — Signature — Month 05 Day 05 Year 08

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

H141 H141 -

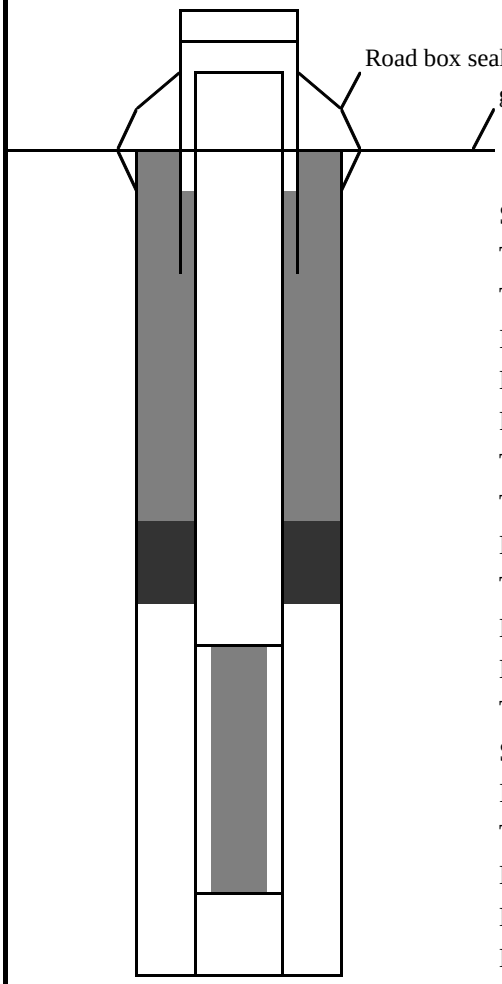
Appendix B

Monitoring Well Diagrams

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-223D
Date Installed:	3/19/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Geoprobe
Field Geologist:	PJM	**Development Method:**	Surge & Purge w/check valve



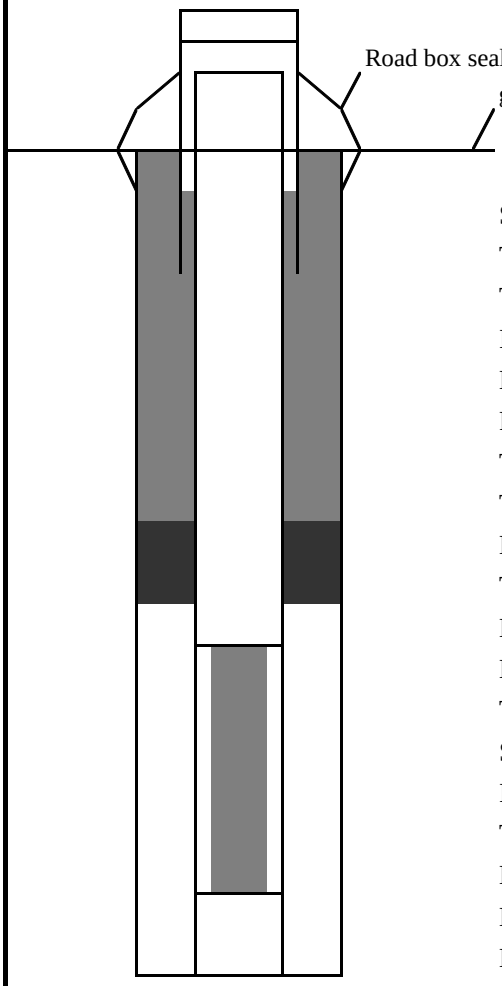
Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Cast Iron Flushmount
ID of Surface Casing: 4"
Diameter of Borehole: 3.25"
Riser Pipe ID: 1"
Type of Riser Pipe: PVC
Type of Backfill: #0 Sand
Depth of Top Seal: 42'
Type of Seal: Bentonite
Depth of Top of Sand: 44'
Depth of Top of Screen: 48.8'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 1"
Type of Sandpack: # 0 Sand
Depth of Bottom of Screen: 58.8'
Depth of Sediment Sump with Plug: 58.8'
Depth of Bottom of Borehole: 58.8'

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-225D/DP-6
Date Installed:	3/20/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Geoprobe
Field Geologist:	PJM	**Development Method:**	Surge & Purge w/check valve



Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Cast Iron Flushmount
ID of Surface Casing: 4"
Diameter of Borehole: 3.25"
Riser Pipe ID: 1"
Type of Riser Pipe: PVC
Type of Backfill: #0 Sand
Depth of Top Seal: 31.8'
Type of Seal: Bentonite
Depth of Top of Sand: 33.8'
Depth of Top of Screen: 37.8'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 1"
Type of Sandpack: # 0 Sand
Depth of Bottom of Screen: 47.8'
Depth of Sediment Sump with Plug: 47.8'
Depth of Bottom of Borehole: 48'

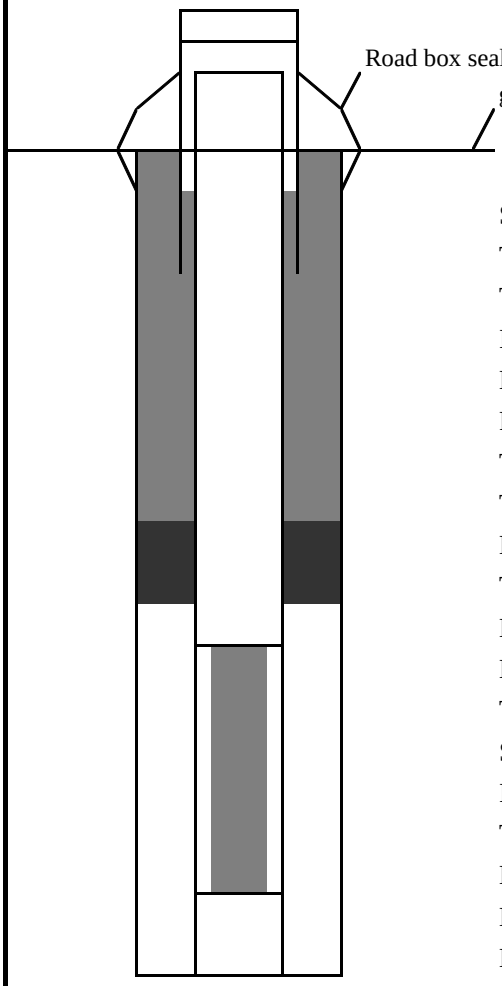
Note: In same road box as MW-225S

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-225S/DP-6
Date Installed:	3/20/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Geoprobe
Field Geologist:	PJM	**Development Method:**	Surge & Purge w/check valve



Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Cast Iron Flushmount
ID of Surface Casing: 4"
Diameter of Borehole: 3.25"
Riser Pipe ID: 1"
Type of Riser Pipe: PVC
Type of Backfill: #0 Sand
Depth of Top Seal: 17'
Type of Seal: Bentonite
Depth of Top of Sand: 19'
Depth of Top of Screen: 22'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 1"
Type of Sandpack: # 0 Sand
Depth of Bottom of Screen: 32'
Depth of Sediment Sump with Plug: 32'
Depth of Bottom of Borehole: 32'

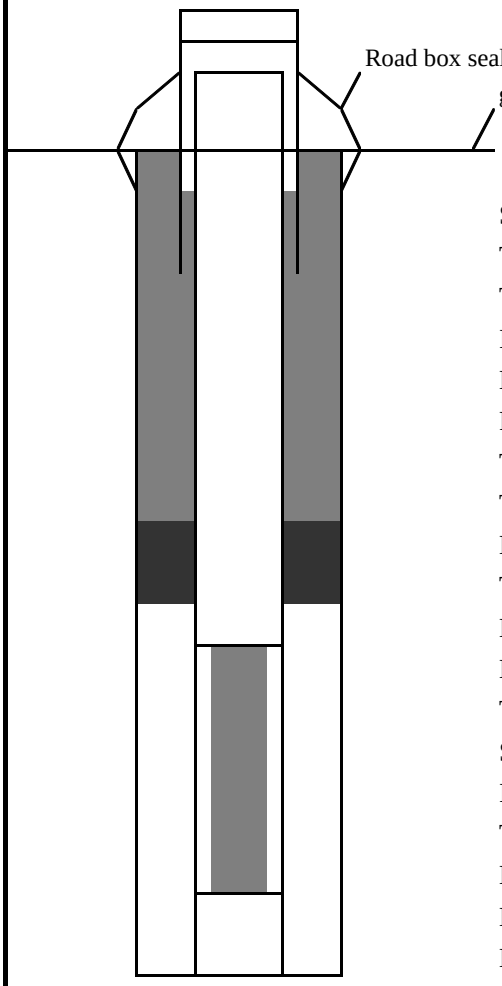
Note: In same road box as MW-225D

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-226D/DP-5
Date Installed:	3/18/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Geoprobe
Field Geologist:	PJM	**Development Method:**	Surge & Purge w/check valve



Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Cast Iron Flushmount
ID of Surface Casing: 4"
Diameter of Borehole: 3.25"
Riser Pipe ID: 1"
Type of Riser Pipe: PVC
Type of Backfill: #0 Sand
Depth of Top Seal: 40'
Type of Seal: Bentonite
Depth of Top of Sand: 42'
Depth of Top of Screen: 46'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 1"
Type of Sandpack: # 0 Sand
Depth of Bottom of Screen: 56'
Depth of Sediment Sump with Plug: 56'
Depth of Bottom of Borehole: 56'

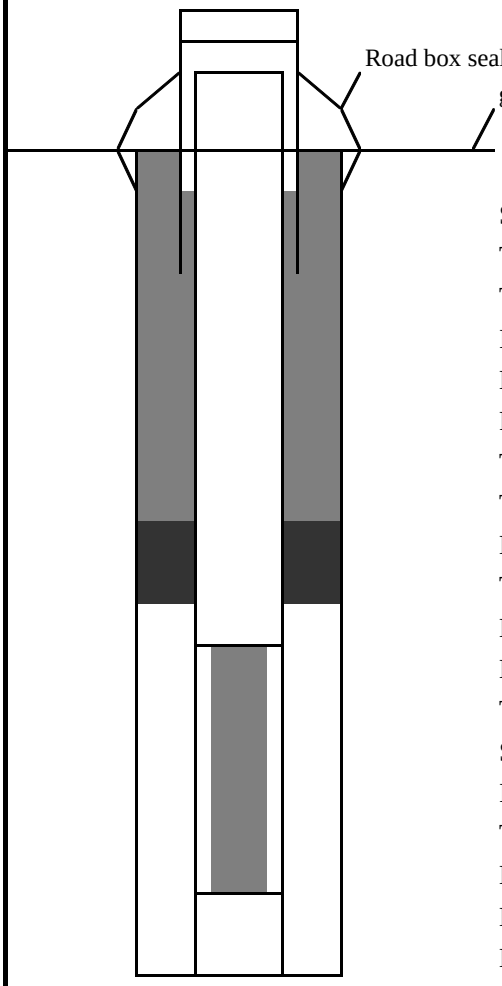
Note: In same road box as MW-226S

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-226S/DP-5
Date Installed:	3/18/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Geoprobe
Field Geologist:	PJM	**Development Method:**	Surge & Purge w/check valve



Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Cast Iron Flushmount
ID of Surface Casing: 4"
Diameter of Borehole: 3.25"
Riser Pipe ID: 1"
Type of Riser Pipe: PVC
Type of Backfill: #0 Sand
Depth of Top Seal: 19.5'
Type of Seal: Bentonite
Depth of Top of Sand: 21.5'
Depth of Top of Screen: 22.5'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 1"
Type of Sandpack: # 0 Sand
Depth of Bottom of Screen: 32.5'
Depth of Sediment Sump with Plug: 32.5'
Depth of Bottom of Borehole: 32.5'

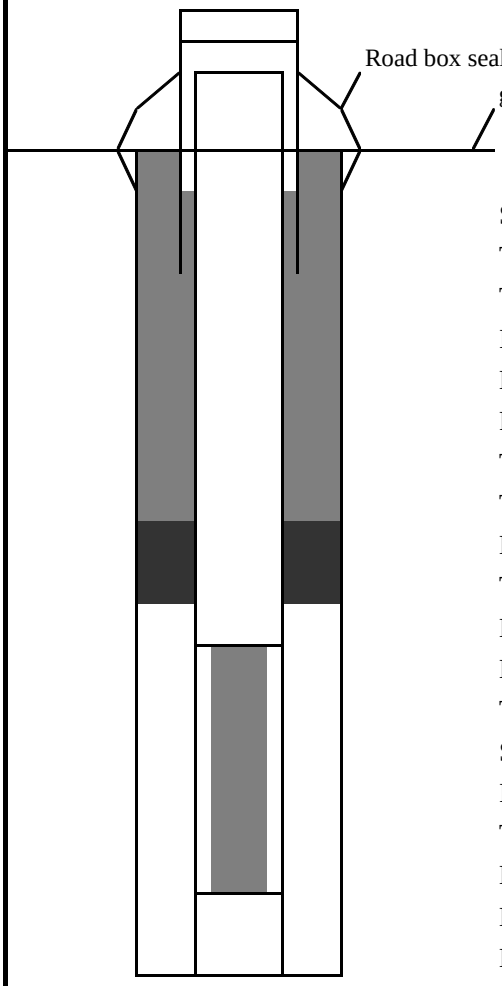
Note:In same road box as MW-226D

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-227D
Date Installed:	3/19/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Geoprobe
Field Geologist:	MAM	**Development Method:**	Submersible pump



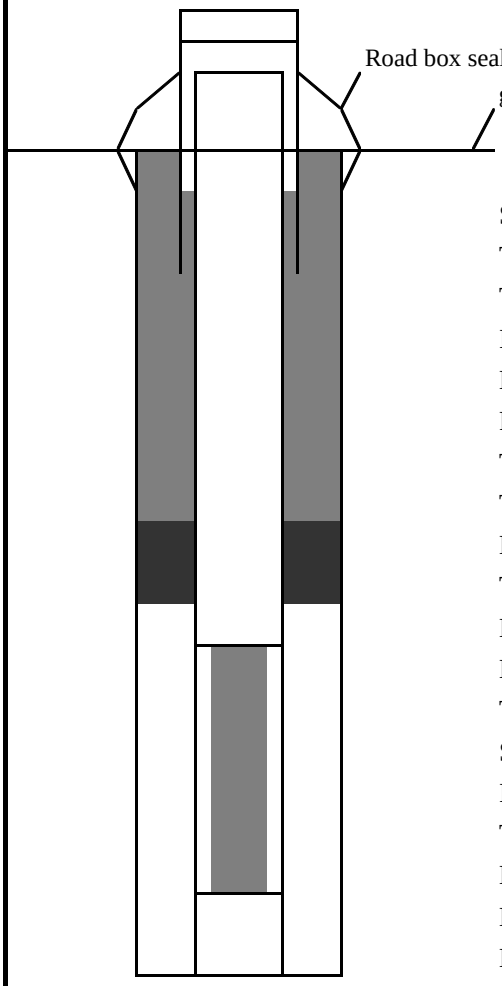
Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Alummium Flushmount
ID of Surface Casing: 6"
Diameter of Borehole: 4"
Riser Pipe ID: 2"
Type of Riser Pipe: PVC
Type of Backfill: Native Material
Depth of Top Seal: 46'
Type of Seal: Bentonite
Depth of Top of Sand: 48'
Depth of Top of Screen: 50'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 2"
Type of Sandpack: Silica Sand
Depth of Bottom of Screen: 60'
Depth of Sediment Sump with Plug: 60'
Depth of Bottom of Borehole: 61'

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-227S
Date Installed:	3/20/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Drive & Wash
Field Geologist:	MAM	**Development Method:**	Submersible pump



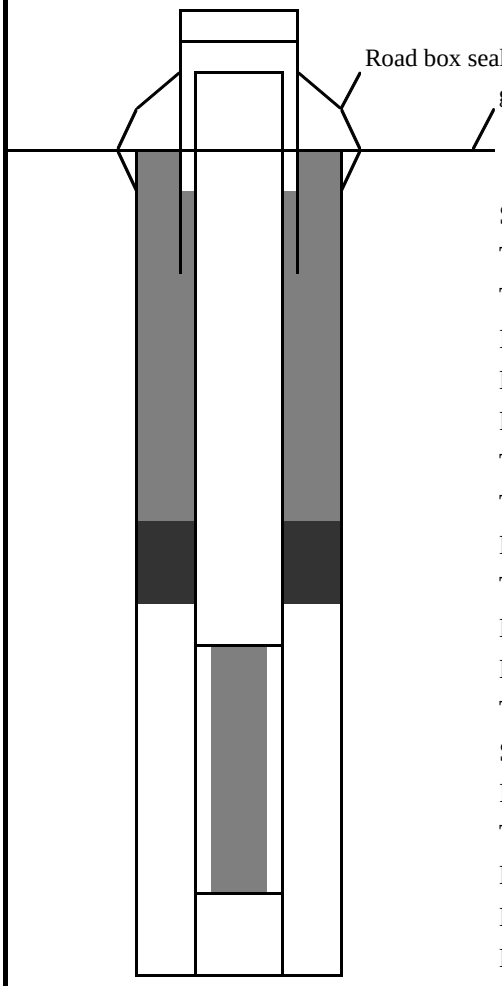
Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Alummium Flushmount
ID of Surface Casing: 6"
Diameter of Borehole: 4"
Riser Pipe ID: 2"
Type of Riser Pipe: PVC
Type of Backfill: Native Material
Depth of Top Seal: 16'
Type of Seal: Bentonite
Depth of Top of Sand: 18'
Depth of Top of Screen: 20'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 2"
Type of Sandpack: Silica Sand
Depth of Bottom of Screen: 30'
Depth of Sediment Sump with Plug: 30'
Depth of Bottom of Borehole: 30'

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-228D
Date Installed:	3/24/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Drive & Wash
Field Geologist:	MAM	**Development Method:**	Submersible pump



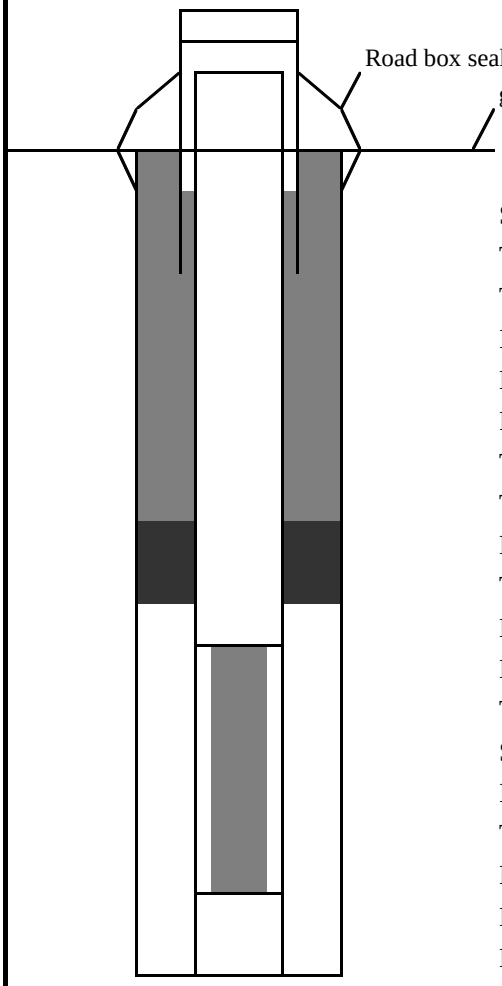
Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Alummium Flushmount
ID of Surface Casing: 6"
Diameter of Borehole: 4"
Riser Pipe ID: 2"
Type of Riser Pipe: PVC
Type of Backfill: Native Material
Depth of Top Seal: 40'
Type of Seal: Bentonite
Depth of Top of Sand: 42'
Depth of Top of Screen: 45'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 2"
Type of Sandpack: Silica Sand
Depth of Bottom of Screen: 55'
Depth of Sediment Sump with Plug: 55'
Depth of Bottom of Borehole: 56'

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-228S
Date Installed:	3/24/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Drive & Wash
Field Geologist:	MAM	**Development Method:**	Submersible pump



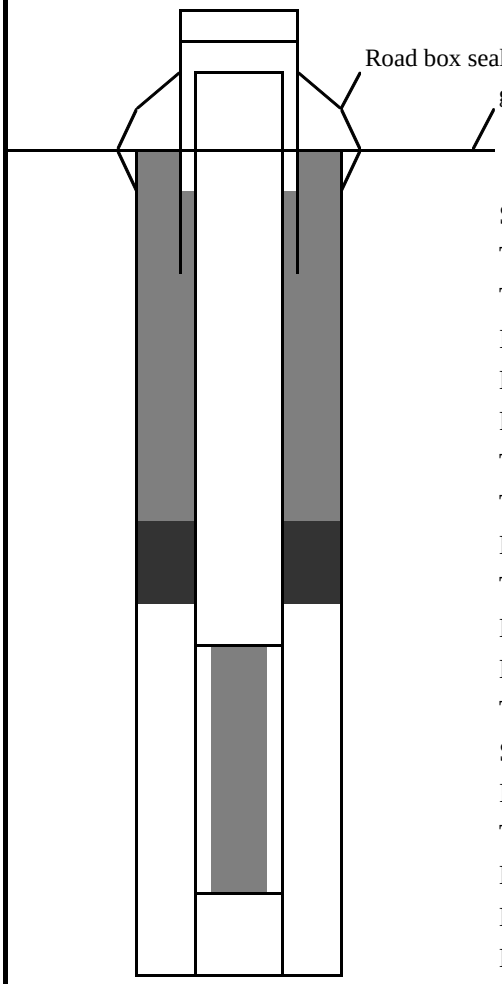
Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Alummium Flushmount
ID of Surface Casing: 6"
Diameter of Borehole: 4"
Riser Pipe ID: 2"
Type of Riser Pipe: PVC
Type of Backfill: Native Material
Depth of Top Seal: 20'
Type of Seal: Bentonite
Depth of Top of Sand: 22'
Depth of Top of Screen: 24'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 2"
Type of Sandpack: Silica Sand
Depth of Bottom of Screen: 34'
Depth of Sediment Sump with Plug: 34'
Depth of Bottom of Borehole: 34'

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-229S
Date Installed:	3/21/2008	**Contractor:**	Geologic
Project No.:	3650050041 .18	**Drilling Method:**	Geoprobe
Field Geologist:	PJM	**Development Method:**	Surge & Purge w/check valve



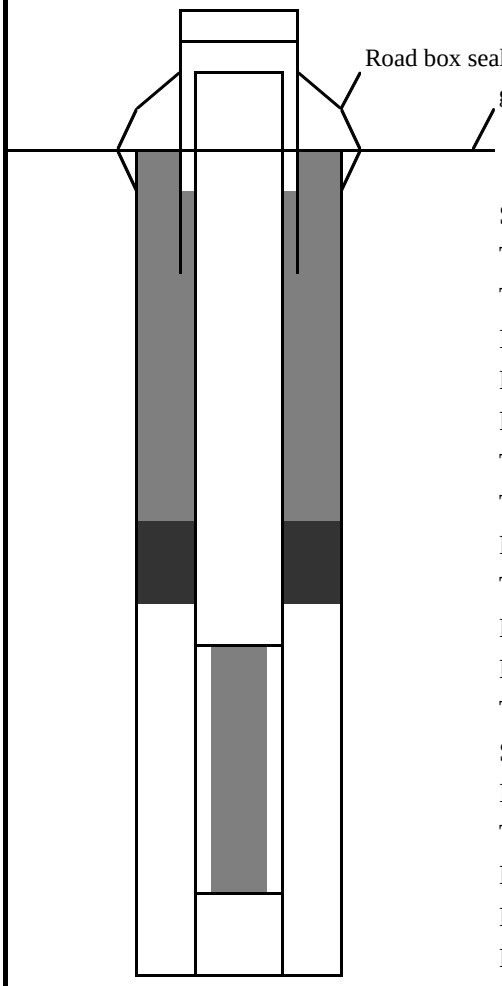
Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Cast Iron
ID of Surface Casing: 4"
Diameter of Borehole: 2"
Riser Pipe ID: 1"
Type of Riser Pipe: PVC
Type of Backfill: #0 Sand
Depth of Top Seal: 17'
Type of Seal: Bentonite
Depth of Top of Sand: 19'
Depth of Top of Screen: 21'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 1"
Type of Sandpack: #0 Sand
Depth of Bottom of Screen: 31'
Depth of Sediment Sump with Plug: 31'
Depth of Bottom of Borehole: 31'

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-230D
Date Installed:	3/25/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Drive & Wash
Field Geologist:	MAM	**Development Method:**	Submersible pump



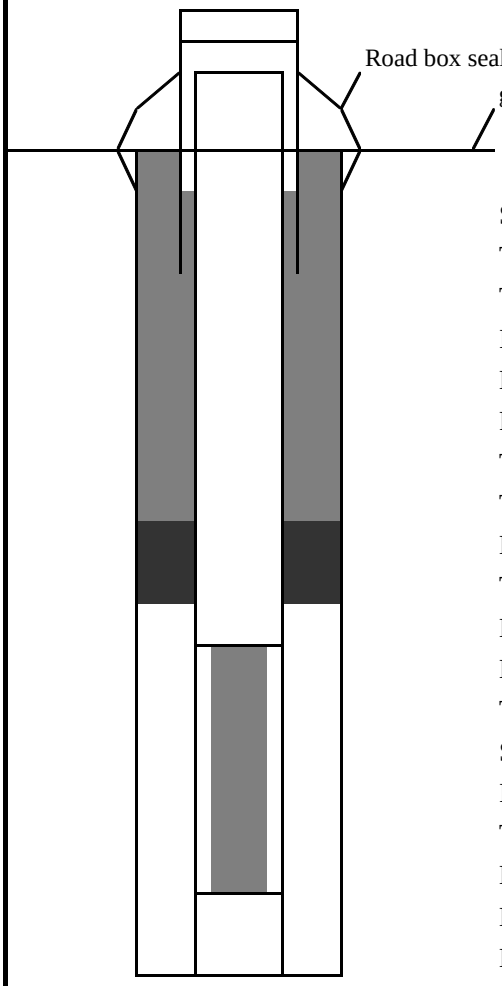
Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Alummium Flushmount
ID of Surface Casing: 6"
Diameter of Borehole: 4"
Riser Pipe ID: 2"
Type of Riser Pipe: PVC
Type of Backfill: Native Material
Depth of Top Seal: 46'
Type of Seal: Bentonite
Depth of Top of Sand: 48'
Depth of Top of Screen: 50
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 2"
Type of Sandpack: Silica Sand
Depth of Bottom of Screen: 60'
Depth of Sediment Sump with Plug: 60'
Depth of Bottom of Borehole: 61'

Completed by : MAM
Checked by : PJM

MACTEC Engineering & Consulting, Inc.

MONITORING WELL DIAGRAM

Project Name:	Textron/Gorham	**Boring No:**	MW-230S
Date Installed:	3/26/2008	**Contractor:**	Geologic
Project No.:	3650050041 .16	**Drilling Method:**	Drive & Wash
Field Geologist:	MAM	**Development Method:**	Submersible pump



Stick-up of Casing Above Ground Surface: N/A
Type of Surface Seal/Other Protection: Concrete
Type of Surface Casing: Alummium Flushmount
ID of Surface Casing: 6"
Diameter of Borehole: 4"
Riser Pipe ID: 2"
Type of Riser Pipe: PVC
Type of Backfill: Native Material
Depth of Top Seal: 16'
Type of Seal: Bentonite
Depth of Top of Sand: 18'
Depth of Top of Screen: 20'
Type of Screen: PVC
Slot Size x Length: 0.010" x 10'
ID of Screen: 2"
Type of Sandpack: Silica Sand
Depth of Bottom of Screen: 30'
Depth of Sediment Sump with Plug: 30'
Depth of Bottom of Borehole: 30'

Completed by : MAM
Checked by : PJM

Appendix C

Soil Boring Logs

MACTEC

Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-1**		**Page __1__ of __4___**
Project Name:	Gorham	**Geologist:**	PM
Date Started:	3/12/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe 6620
Total Depth:	72'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0' - 4'	4" asphalt; 2" tan, f to coarse SAND, tr Gravel; 5" dk brown, f to coarse SAND, tr Gravel, tr Brick	4'/3'	-	-	
	6" tan, f to coarse SAND, tr Gravel; 5" Dk brown f to coarse SAND, tr Gravel, tr brick				
	14" brown, f to coarse SAND, tr Gravel, tr Cobble; refusal @ 6', move 4' west				
4' - 8'	1.5' brown, f to coarse SAND, tr Gravel, tr Brick	4'/2.8'	0.3 (6 ft)	-	
	6" weathered rock; 6" rock/boulder; 3" tan, med to coarse SAND, some Gravel				

Prepared by: PJM
Checked by: MAM

MACTEC

Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-1**		**Page __2__ of __4___**
Project Name:	Gorham	**Geologist:**	PM
Date Started:	3/12/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe 6620
Total Depth:	72'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
8-12'	10" slough; 28" tan, med to coarse SAND, some Gravel	4'/3.1'	0.3 (10ft)	-	
12-16'	8" same as above; 4" brown and dk brown f. to coarse SAND, tr Gravel, tr Brick, trace grey Silt/Clay	4'/3.3'	0.6 (13 ft)	-	
	26" lt. brown/white med to coarse SAND, tr Gravel				
16-20'	10" lt. brown f to coarse SAND, some f Sand, brown streaks	4'/3.1'		-	
	4" brown f to coarse SAND, tr Gravel; 4" dk brown, f to coarse SAND, tr Gravel and Brick				
	19" lt brown, med to coarse SAND; (2.2 -2.5' - lt brown lens of f. SAND)		0.2 (19 ft)		
20-24'	18" brown f to coarse SAND, some Gravel; 20" lt brown f SAND; tip is wet	4'/3.1'	0.2 (22 ft)	-	

Prepared by: PJM
Checked by: MAM

MACTEC

Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-1**	**Page __3__ of __4___**	
Project Name:	Gorham	**Geologist:**	PM
Date Started:	3/12/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe 6620
Total Depth:	72'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
24-28'	10" dk brown, f to med SAND, tr Gravel, wet; 6" dk brown, f. SAND, wet	4'/2.8'	0.2 (26 ft)	-	
	17" dk brown, f to coarse SAND, tr Gravel, wet				
28-32'	17" dk brown, f to coarse SAND, tr Gravel, wet; 6" lt brown/iron stained, med to coarse SAND, tr Gravel, wet; 6" dk brown, f to coarse SAND, wet	4'/2.5'	2.2 (30 ft)	-	
32-36'	18" dk brown f SAND, wet; 4" dk brown f to coarse SAND, tr Gravel; 22" lt brown/red/orange f to coarse SAND, tr Gravel, wet	4'/4'	2.0 (35 ft)	-	
36-38'	Liner was managled, soil inside was grey, f SAND, wet		0.1 (37 ft)		
38-42'	20" dk grey f to med SAND, wet; 8" dk grey/black med to coarse SAND, wet; 10" grey f SAND, wet; 8" grey f to med SAND, wet	4'/4'	0.5 (40 ft)		

Prepared by: PJM
Checked by: MAM

MACTEC

Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-1**	**Page __4__ of __4___**	
Project Name:	Gorham	**Geologist:**	PM
Date Started:	3/12/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe 6620
Total Depth:	72'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
44-48'	48" dk grey, v. fine SAND, some Silt, wet	4'/4'	0.2 (46 ft)	_	
48-56'	No sample collected				
56-60'	48" dk grey f SAND, tr Silt, wet	4'/4'	0.1 (58 ft)	_	
60-72'	No sample collected. Point placed on rods and driven to dense material. End of boring at 72' bgs.				

Prepared by: PJM
Checked by: MAM

MACTEC

Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-2**	**Page __1__ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/13/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe 6620
Total Depth:	60'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-4'	Air knife, no sample				
4-8'	6" dk brown f to coarse SAND, tr Gravel and Brick; 8" redish brown, f to coarse SAND	4'/2'		-	
	9" tan, med to coarse SAND and GRAVEL		8.0 (7 ft)		
8 - 12'	9" tan, f to med SAND; 24" tan, f to coarse SAND, some Gravel	4'/2.8'	2.0 (11 ft)	-	
12-16'	11" tan f to coarse SAND, tr Gravel; 3" dk brown, f to med SAND, tr Brick	4'/4'		-	
	30" tan/lt brown med to coarse SAND and GRAVEL		2.0 (14 ft)		
16-20'	6" grey f to coarse SAND, some Silt, moist; 30" grey/lt brown f to coarse SAND, some Gravel; f SAND lens @18.5'	4'/3.2'	3.9 (19 ft)		

Prepared by: PJM
Checked by: MAM

MACTEC

Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-2**	**Page __2__ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/13/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe 6620
Total Depth:	60'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
20-24'	4" dk grey/black f to coarse SAND, some Gravel; 6" grey f to med SAND; 2" dk brown, f to coarse SAND, tr wood fragments	4'/3'		-	
	10" brown f to coarse SAND, some Gravel; 6" dk olive, f to med SAND and SILT, moist		7.0 (23 ft)		
24-28'	18" same as above, moist w/ 1" lens of f grey SAND @ 25.5'; 22" white and black f to med SAND, moist, strained w/ black product @ 27-28'	4'/3.4'	2.0 (26 ft); 617(27 ft); 198 for GW (23 ft)		SBDP227 (collected at 27-28 ft)
28-60'	No soil samples collected, sampler pushed to 60' for GW sample		208 for GW (60 ft)		

Prepared by: PJM
Checked by: MAM

MACTEC

Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-3**	**Page __1__ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/13/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe
Total Depth:	32'	**Depth to Water:**	28'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-4'	No sample - air knife				
4-8'	No sample - air knife				
8-12'	5" lt brown, f to coarse SAND, tr Silt; 2" black f to coarse SAND, tr Gravel and brick, tr Silt	4'/3.4'		–	
	32" lt grey, med to coarse SAND, some Gravel		0.0 (11 ft)		
12-16'	12" black, f to med SAND and FILL (brick + wood), tr Silt, cobble at 14.5'	4'/2.5'		–	
	12" brown, f to coarse SAND, some Gravel				
16-20'	9" same as above; 5" black, f to med SAND, some Silt, tr Brick; 29" lt grey, f to coarse SAND and GRAVEL	4'/3.5'	0.1 (16 ft), 0.1 (18 ft)	-	

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-3**	**Page __2__ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/13/2008	**Drilling Company:**	Geologic
Date Completed:	3/13/2008	**Drilling Method:**	Geoprobe
Total Depth:	32'	**Depth to Water:**	28'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
20'-24'	12" brown, f to coarse SAND, some Silt, tr Gravel, tr brick and wood fragments; 27" lt. grey, f to coarse SAND; iron stains at 23-24'	4'/3.2'	0.2 (21 ft)	-	
24-28'	32" same as above w/iron staining entire length, also includes some gravel; wood fragment at 26'	4'/2.6'	0.1 (27 ft)	-	
28-32'	12" red stained, coarse SAND and GRAVEL, moist. End of Boring at 32'.	4'/1'	0.0 (31 ft)	-	

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-4/MW-228**	**Page _1___ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM/MAM
Date Started:	3/17/2008	**Drilling Company:**	Geologic
Date Completed:	3/21/2008	**Drilling Method:**	Geoprobe to 24'/Drive and Wash below 29'
Total Depth:	56'	**Depth to Water:**	26'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-4'	No sample -Air knife				
4-8'	24" brown, f to coarse SAND, tr Gravel, tr Brick, tr Cobble	4'/2'	1.1 (7 ft)	-	
8-12'	4" same as above with tr Silt, no brick, no cobble; 21" lt grey, f to coarse SAND, some Gravel	4'/2'	0.6 (11 ft)	-	
12-16'	6" lt grey, f to coarse SAND; 8" brown, f to coarse SAND, tr Cobble, tr Brick; 22" lt grey, f to coarse SAND and GRAVEL	4'/2.8'	1.1 (13.5 ft)	-	
16-20'	7" brown, f to coarse SAND, some red staining; 27" lt grey, f to med SAND, Cobble @20', tip has 2" black SILT	4'/2.9'	1.2 (18 ft)	-	
20-24'	8" brown and grey f to coarse SAND, tr Gravel; 2" reddish brown, f to coarse SAND	4'/2.8'		-	
	8" brown, f to coarse SAND; 16" grey f SAND with f sand and silt lenses; Hole collapses > 24' bgs water sampler pushed to 30' bgs		0.9 (24 ft)		

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-4/MW-228D**	**Page __2__ of ___2__**	
	Gorham	**Geologist:**	PJM/MAM
Date Started:	3/17/2008	**Drilling Company:**	Geologic
Date Completed:	3/21/2008	**Drilling Method:**	Geoprobe to 24'/Drive and Wash below 29'
Total Depth:	56'	**Depth to Water:**	26'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
29-31'	dark brown to grey, very fine SAND, med dense to dense, wet			10,10,13,24	
34-36'	Same as above, med dense			14,10,12,12	
39-41'	darker grey, fine SAND, some Silt, med dense			10,10,10,11	
44-46'	grey, fine SAND, med dense to dense, moist			13,18,20,28	
49-51'	dark grey, very fine SAND, little Silt, dense, wet			16,17,20,29	
54-56'	54'-55': brown, fine SAND, very dense, wet; 55'-56' SILT and GRAVEL (TILL) very dense. End of Boring at 56'.			23,30,87,112	

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-5/MW-226**	**Page __1__ of _2____**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/17/2008	**Drilling Company:**	Geologic
Date Completed:	3/18/2008	**Drilling Method:**	Geoprobe
Total Depth:	56'	**Depth to Water:**	26'
Job No. 3650050040.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-4'	6" concrete slab; 12" olive brown, f to coarse SAND, tr Gravel, tr Silt; 6" brown, f to coarse SAND, tr Gravel, tr Silt	4'/2.6'		-	
	11" olive grey, f to coarse SAND, tr Gravel, tr Silt; 2" brown, f to coarse SAND, lens of grey Silt; Tip - black, f to med SAND		3.0 (3 ft)		
4-8'	6" grey, f SAND, some Silt, tr Gravel; 36" brown and lt grey, f to coarse SAND, tr Gravel, tr Cobble, lens of lt grey, f sand at 7.5'	4'/3.5'	3.1(7 ft)	-	
8-12'	10" grey, f to med SAND and SILT; 28" lt brown/tan, f to coarse SAND and GRAVEL	4'/3.2'	3.8 (10 ft)	-	
12-16'	10" dk brown, f to med SAND, some coarse Sand, tr Silt; 15" tan, f to coarse SAND, tr Gravel; lens of dk brown f SAND and SILT at 15'; 2" grey f to coarse SAND	4'/2.2'	2.7 (14 ft)	-	
16-20'	32'" tan and dk brown, f to coarse SAND, tr Gravel, tr Silt	4'/2.8'	2.0 (18 ft)	-	
20-24'	42" same as above	4'/3.6'	1.6 (22 ft)		

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-5/MW-226**	**Page __2__ of _2____**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/17/2008	**Drilling Company:**	Geologic
Date Completed:	3/18/2008	**Drilling Method:**	Geoprobe
Total Depth:	56'	**Depth to Water:**	26'
Job No. 3650050040.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
24-28'	36" same as above	4'/3'	1.3 (27 ft)	-	
28-40'	no samples collected				
40-44'	grey, f to med SAND, wet; tip: black, f SAND, tr Silt, wet	4'/3.7'	13.5 (44 ft)		
44-52'	no samples collected				
52-56'	24" grey f SAND and SILT, wet; 24" grey f SAND, some Silt, wet, dense. End of Boring at 56'.	4'/4'	4.0 (55 ft)		

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-6/MW-225**	**Page __1__ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/20/2008	**Drilling Company:**	Geologic
Date Completed:	3/20/2008	**Drilling Method:**	Geoprobe
Total Depth:	48'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-4'	6" concrete slab; 5" grey SILT; 26" matrix of grey SILT, some f Sand and brown/grey f Sand and Silt, some Gravel, brick fragments at 9" and 2'	4'/3'	0.7 (2 ft)	-	
	4" dk brown, f to coarse SAND, some Gravel				
4-8'	17" grey, SILT, some f Sand, tr Gravel; 27" brown/grey f. to coarse SAND and GRAVEL	4'/4'	1.5 (5.5 ft)	-	
8-12'	3"dk grey, f to coarse SAND, tr Gravel, tr Silt; 2" FILL (brick and wood fragments mixed with dk brown/black f to coarse SAND, strong foul odor); 8" dk grey, f to coarse SAND and GRAVEL	4'/3'	26 (10 ft, in fill section)	-	odor may be creosote
	6" FILL (same as fill above); 8" dk grey, f to coarse SAND and GRAVEL; 8" grey, f SAND				
12-16'	19" matrix of dk grey SILT, f SAND, and FILL (brick and wood fragments w/odor); 24" grey, f to coarse SAND and GRAVEL (includes 2" lens of fill)	4'/3.7'	2.4 (14 ft)	-	
16-20'	5" grey, f to coarse SAND and GRAVEL; 11"dk brown f. to coarse SAND, tr Silt, tr Gravel; 17" grey f to med SAND, tr Gravel	4'/2.9'	7.3 (18 ft)	-	

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**DP-6/MW-225**	**Page __2__ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3.20.08	**Drilling Company:**	Geologic
Date Completed:	3.20.08	**Drilling Method:**	Geoprobe
Total Depth:	48'	**Depth to Water:**	23'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
20-24'	8" grey, f to coarse SAND and GRAVEL; 14" dk brown, f to coarse SAND, some Gravel, some Brick and Wood fragments (w/ creosote odor); 14" grey, f SAND, Cobble at 23'	4'/3'	3.5 (22 ft)	-	
24-28'	27"grey/brown, f to coarse SAND, tr Gravel, tr Brick; 19" tan, f SAND (golden brown lens @26.5' - med SAND) moist, cobble @28'	4'/4'	1.2 (26 ft)	-	
28--32'	11" dk orange, coarse SAND and GRAVEL (lens, stained black @30'), wet; 17" orange, f to coarse SAND, tr Gravel, wet (lens, stained black @31.5')	4'/2.4'	0.7 (30 ft)	-	
32-44'	no sample collected.				
44-48'	dk. grey SILT, some Clay, End of Boring at 48'	4'/2.4'		-	

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**MW-223**	**Page _1___ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/19/2008	**Drilling Company:**	Geologic
Date Completed:	3/19/2008	**Drilling Method:**	Geoprobe
Total Depth:	59'	**Depth to Water:**	26'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-4'	6" concrete slab;small amount of material in liner = grey SILT and f SAND, tr Gravel	4'/0'		-	
4-8'	18" grey/brown SILT and brown, f to med SAND, tr Gravel, tr Brick; 21" grey and brown SILT	4'/3.2'		-	
8-12'	17" grey, SILT and f to med SAND, tr Gravel and Brick; 31" brown, f to coarse SAND, some Gravel	4'/4'	1.0 (10 ft)	-	
12-16'	same as above except layer of 11" of grey SILT, some f Sand @ 13.3'-14.2'; wood fragment @16'	4'/3.1'			
16-20'	8" grey/brown, f to med SAND, some Silt, some Gravel, tr Brick; 16" lt grey, f to coarse SAND, some Gravel; 10" lt grey, v fine SAND	4'/3.3'	0.9 (18 ft)	_	
20-24'	17" grey, v fine to coarse SAND, some Gravel; 31"+brown f to coarse SAND, some Silt, some Gravel, Brick @24'	4'/4'		_	

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**MW-223**	**Page _2___ of __2___**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/19/2008	**Drilling Company:**	Geologic
Date Completed:	3/19/2008	**Drilling Method:**	Geoprobe
Total Depth:	59'	**Depth to Water:**	26'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
24-28'	34" brown and grey, f to coarse SAND, tr Silt, tr Gravel; 14" brown and dk brown, med to coarse SAND, some Gravel, moist	4'/4'	1.2 (27 ft)	-	
28-40'	No samples collected.				
40-44'	28" grey w/black flecs, f SAND, wet; 18" grey, f SAND w/orange iron staining, some Silt, wet	4'/3.9'		-	
44-52'	No samples collected.				
52-56'	dk grey, SILT, tr f Sand, wet	4'/4'		-	
56-59'	No Samples collected. Refusal at 59' with 3.25" casing (to set well).				

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**MW-227D**	**Page _1___ of ___1__**	
Project Name:	Gorham	**Geologist:**	MAM
Date Started:	3/19/2008	**Drilling Company:**	Geologic
Date Completed:	3/19/2008	**Drilling Method:**	Drive & Wash
Total Depth:	61'	**Depth to Water:**	24'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-32'	See DP-3 Soil Boring Log for soil characteristics of nearest soil boring.				
39'-41'	dk brown to grey, fine SAND, med dense, wet	24"/24"		6,5,6,6	
44'-46'	dk grey, fine to coarse SAND, med dense to dense, wet	24"/24"		12,11,15,24	
49-51'	dk grey, fine to coarse SAND, med dense to dense, wet	24"/24"		13,14,17,17	
54-'56'	dk grey, fine to coarse SAND, med dense to dense, wet	24"/24"		7,9,14,17	
59-61'	dk grey, v fine SAND, tr Silt, med dense. End of Boring at 61'.	24"/24"		5,8,9,9	

Prepared by: MAM
Checked by: PJM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**MW-229**	**Page __1__ of _2____**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/20/2008	**Drilling Company:**	Geologic
Date Completed:	3/20/2008	**Drilling Method:**	Geoprobe
Total Depth:	32'	**Depth to Water:**	24'
Job No. 36500500410.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
0-4'	13" dk brown, f to med SAND, tr Silt, tr Gravel, tr Organic; 13" lt brown, f to coarse SAND and GRAVEL	4'/2.1'	0.1 (1.5 ft)	-	
4-8'	29" lt brown, f to coarse SAND and GRAVEL; lens of brown f to med SAND, tr Silt @ 6'	4'/2.3'	0.1 (7 ft)	-	
8-12'	8" lt brown, f to coarse SAND and GRAVEL; 17" tan, f. SAND; 5" lt brown, f to coarse SAND and GRAVEL; 5" grey, med SAND	4'/3.1'	0.1 (9 ft)	-	
12-16'	6" tan, f SAND; 12" brown, f to coarse SAND, some Gravel; 21" grey and black, f to coarse SAND, some Gravel, Cobble	4'/3.3'	0.2 (14 ft)	-	
16-20'	12" brown, f to coarse SAND, some Gravel; 4" brown, f to med SAND, some coarse Sand; 4" dk grey, f to med SAND	4'/4'	0.1 (18 ft)		
	18" lt grey, f SAND; lens of coarse SAND @19'; 11" lt grey/olive f SAND				
20-24'	4" dk grey, f to coarse SAND; 2" lt grey, f SAND; 18" brown/grey f to coarse SAND and GRAVEL; lens of tan, f SAND @18'; 14" grey f SAND, tr Silt	4'/3.2'	0.2 (22 ft)		

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**MW-229**	**Page __2__ of _2____**	
Project Name:	Gorham	**Geologist:**	PJM
Date Started:	3/20/2008	**Drilling Company:**	Geologic
Date Completed:	3/20/2008	**Drilling Method:**	Geoprobe
Total Depth:	32'	**Depth to Water:**	24'
Job No. 36500500410.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
24-28'	21" grey/brown, f to coarse SAND and GRAVEL, tr Silt	4'/4'	0.3 (26 ft)	-	
	27" grey, v fine SAND, wet				
28-32'	9" grey/brown, f to coarse SAND, some Gravel, wet; 13" grey, v fine SAND and SILT, wet	4'/3'		-	
	cobble @ 30'; 14" grey and brown, v fine SAND and SILT, tip - coarse SAND and GRAVEL, well compacted. End of Boring at 32'.		0.2 (31 ft)		

Prepared by: PJM
Checked by: MAM

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Soil Boring Log

MACTEC
107 Audubon Road
Wakefield, MA

Boring Location:	**MW-230 D & S**	**Page __1__ of _1____**	
Project Name:	Gorham	**Geologist:**	MAM
Date Started:	3/25/2008	**Drilling Company:**	Geologic
Date Completed:	3/25/2008	**Drilling Method:**	Drive & Wash
Total Depth:	61'	**Depth to Water:**	24'
Job No. 3650050041.16			

Depth (feet)	Stratigraphy Description	Penetration/ Recovery (feet)	Headspace (ppm)	Blows/ 6 inches	Sample ID
39'-41'	Brown, coarse SAND and GRAVEL, medium dense, wet	24"/24"		7,9,15,14	S-1
44'-46'	Brown, coarse SAND and GRAVEL, medium dense to dense, wet	24"/24"		11,15,16,18	S-2
49'-51'	Same as S-2	24"/24"		12,16,19,20	S-3
54-56'	Brown, coarse SAND and GRAVEL, dense, wet	24"/24"		16,19,20,23	S-4
59'-61'	Same as S-4	24"/24"		19,20,20,22	S-5

Prepared by: MAM
Checked by: PJM

Appendix D

Well Development Records

WELL DEVELOPMENT RECORD

Project: Textron / Gorham	Well Installation Date: 3/14/07		Project No. 36500500411.LC
Client: 36500500411.LC	Well Development Date: 3/25/08	Logged by: MAM	Checked by: PJM
Well/Site I.D.: MW-223D	Weather: sunny, inside building	Start Date: 3/24/08	Finish Date: 3/25/08
		Start Time: ~~09~~:55	Finish Time: 10:15

Well Construction Record Data:

Well Diameter: 1 in.

Bottom of Screen	58.8 ft.	From Ground Surface ~~☐~~ From Top of Riser ☐
Sediment Sump/Plug	58.8 ft.	
Screen Length	10 ft.	

Fluids Lost during Drilling: ~~—~~ gal.

Protective Casing Stick-up: ~~—~~ ft. * Protective Casing/Well Diff: 0.28 ft.

PID Readings: Ambient Air ~~—~~ ppm; Well ~~Mouth~~ ppm

Well Levels:

Initial	25.6 ft.
End of Development	26.1 ft.
24 Hours after Development	~~—~~ ft.
HT of Water Column	33.2 ft.

Sediment:

Well Depth before Development	57.5 ft.	(from top of PVC)
Well Depth after Development	57.8 ft.	
Sediment Depth Removed (pm)	~~0.03~~ ft.	0.3

x ☐ 1.68* gal./ft. ☐ 0.041 = 1.36 gal./vol. 6.8 *for 4" HSA Installed Wells

Equipment:

- ☐ Dedicated Submersible Pump
- ☒ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____
- ☒ check valve

Approximate Recharge Rage: ~~—~~ gpm

Total Gallons Removed (pm): ~~6.8~~ gal. 6.8

Well Development Criteria Met:

Notes: H2O is very silty, very turbid

Temperature/pH/Conductivity due to inconsistent flow rates (MAM)

	Yes	No
■ Well water clear to unaided eye	☐	☒
■ Sediment thickness remaining in well is <1.0% of screen length	☐	~~☒~~
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	~~☐~~ Yes	☒ turbidity
■ Turbidity < 5NTUs	☐	~~☒~~
■ 10% change in field parameters	☐	☒

End of Well Development Sample (1 pint) Collected? Yes ☐ No ~~☒~~

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
09:47		5	6.76	12.07	3.05	~~2100~~	

Well Developer's Signature: _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
~~11th~~ FIFC 2004
MACTEC, Inc.

WELL DEVELOPMENT RECORD

Project: Textron Lycoming	Well Installation Date: (PM) 3/30/08		Project No. 36500S0041.16
Client: 36500S0041.16	Well Development Date: 3/24/08	Logged by: MAM	Checked by: PJM
Well/Site I.D.: MW-225S	Weather: Sunny; inside Stockshop	Start Date: 3/24/08	Finish Date: 3/24/08
		Start Time: 13:30	Finish Time: 14:00

Well Construction Record Data:

Well Diameter: 1 in.

Bottom of Screen	32 ft.	From Ground Surface ☒ From Top of Riser ☐
Sediment Sump/Plug	32 ft.	
Screen Length	10 ft.	

Fluids Lost during Drilling: — gal.

Protective Casing Stick-up: — ft. · Protective Casing/Well Diff. +0.25 ft.

PID Readings: Ambient Air — ppm; Well Mouth — ppm

Well Levels:

Initial	25.40 ft.
End of Development	25.45 ft.
24 Hours after Development	— ft.

Sediment:

Well Depth before Development	29.9 ft. (from top of PVC)
Well Depth after Development	29.95 ft.
Sediment Depth Removed	0.05 ft.

HT of Water Column: 6.6 ft. x ☐ ~~1.68 gal/ft.~~ ☐ 0.041 gal/ft. = 0.27 gal./vol. 1.3 x's well volume *for 4" HSA Installed Wells

Equipment:

- ☐ Dedicated Submersible Pump
- ☒ ~~Surge Block~~
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Q check valve

Approximate Recharge Rage: — gpm

Total Gallons Removed: 2.0 gal.

Well Development Criteria Met:

Notes: Hole is very turbid. Tool only one reading due to inconsis. start flow rate. MAM

	Yes	No
■ Well water clear to unaided eye	☐	☒
■ Sediment thickness remaining in well is <1.0% of screen length	☐	☒
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☒	☐
■ Turbidity < 5NTUs	☐	☒
■ 10% change in field parameters	☐	☒

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☒

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
13:40		1.00	6.51	12.62	547	>1000	slow/mg

Well Developer's Signature: _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
[redacted] RRC 2004

MACTEC, Inc.

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Textron/Gorham	3-20-01		36500800.41
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
Textron	3/24/01	MAM	PJM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-225D	Sunny, Ins. & Stop+Shop	3/24/01	3/24/01
Well Construction Record Data:	Well Diameter: 1 in.	**Start Time:** 11:30	**Finish Time:** 12:45

Bottom of Screen: 47.8 ft.
Sediment Sump/Plug: 47.8 ft.
Screen Length: 10 ft.
From Ground Surface ☒ From Top of Riser ☐
Fluids Lost during Drilling: ____ gal.

Protective Casing Stick-up: ____ ft. · Protective Casing/Well Diff.: ____ ft. 0.27
PID Readings: Ambient Air ____ ppm; Well Mouth ____ ppm

Well Levels:

Initial	25.65 ft.
End of Development	25.90 ft.
24 Hours after Development	____ ft.
HT of Water Column	22.15 ft.

Sediment:

Well Depth before Development	47.20 ft. (from top of PVC)
Well Depth after Development	47.28 ft.
Sediment Depth Removed	0.07 ft.

☐ ~~1.68~~ 0.041 gal./ft. x ____ = 0.91 gal./vol. 4.54 gal
☐ ____ *for 4" HSA Installed Wells

Equipment:
- ☐ Dedicated Submersible Pump
- ☒ Surge Block
- ☐ Bailer ☐ 2" ☐ ____
- ☐ Grundfos Pump 2" ____ 4" ____

Approximate Recharge Rage: ____ gpm
Total Gallons Removed: 5.0 gal.

Well Development Criteria Met:

Notes: H2O is very turbid, no odor

	Yes	No
■ Well water clear to unaided eye	☐	☒
■ Sediment thickness remaining in well is <1.0% of screen length	☒	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☒	☐
■ Turbidity < 5NTUs	☐	☒
■ 10% change in field parameters	☐	☒

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☒

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
11:45	25.65	0.50	7.37	14.93	411	>1000	100ml/min
12:01	25.88	2.00	7.24	14.67	423	>104	
12:05	25.95	3.50	7.30	14.53	421	>100	
12:15	25.90	5.00	7.28	15.51	420	>100	

Well Developer's Signature: _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
[redacted]

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Texfi	3.18.04		365005a41-16
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
Texfi	3b6b4	MAM	PJH
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-226S	Sunny inside Dollar store	3b6b4	3/36/04
Well Construction Record Data:	Well Diameter: 1 in.	**Start Time:**	**Finish Time:**
		13:30	14:00

Bottom of Screen: 32.5 ft.
Sediment Sump/Plug: 32.5 ft.
Screen Length: 10 ft.
From Ground Surface ☐ From Top of Riser ☐
Fluids Lost during Drilling: — gal.

Protective Casing Stick-up: — ft. * Protective Casing/Well Diff.: — ft. PID Readings: Ambient Air — ppm; Well Mouth — ppm

- 0.14

Well Levels:

		Sediment:		
Initial	26.16 ft.	Well Depth before Development	32.15 ft.	(from top of PVC)
End of Development	27.21 ft.	Well Depth after Development	32.7 ft.	
24 Hours after Development	— ft.	Sediment Depth Removed	0.30 ft.	
HT of Water Column	6.54 ft.	x ☐ 1.68" gal./ft. ☐ 0.041	= 0.27	gal./vol. 0.27 (for small vol 1.23) *for 4" HSA Installed Wells

Equipment:

- ☐ Dedicated Submersible Pump
- ☑ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rage: — gpm
Total Gallons Removed: 5 gal.

Well Development Criteria Met:

Notes: H2O is turbid for 2gallons, water is somewhat clearing. Took only one readings due to inconsistent flowrates (MAM)

	Yes	No
■ Well water clear to unaided eye	☐	☐
■ Sediment thickness remaining in well is <1.0% of screen length	☑	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☑	☐
■ Turbidity < 5NTUs	☐	☑
■ 10% change in field parameters	☐	☐

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☐

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
13.15		3.1	6.27	16.34	1207	~~3~~ 000	
				15.72	CR		

Well Developer's Signature _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Textron/Gorham	3/18/08		365005004.1
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
Textron	3/26/08	MAM	PJM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-226D	Sunny, inside Dollarstore	3/26/08	3/26/08
Well Construction Record Data:	**Well Diameter** 1 in.	**Start Time:** 15:00	**Finish Time:** 15:45

Bottom of Screen: 56 ft.
Sediment Sump/Plug: — ft.
Screen Length: 10 ft.
☐ From Ground Surface ☐ From Top of Riser

Fluids Lost during Drilling: — gal.

Protective Casing Stick-up: — ft. · Protective Casing/Well Diff.: — ft. − 0.28 PID Readings: Ambient Air — ppm; Well Mouth — ppm

Well Levels:

Initial	26.2 ft.	
End of Development	26.51 ft.	
24 Hours after Development	— ft.	
HT of Water Column	29.8 ft.	x ☐ 1.68" gal./ft. ☒ 0.041 = 1.22 gal./vol. 6.1

Sediment:

Well Depth before Development	56.7 ft.	(from top of PVC)
Well Depth after Development	55.3 ft.	
Sediment Depth Removed	1.5 ft.	

*for 4" HSA Installed Wells

Equipment:

- ☐ Dedicated Submersible Pump
- ☑ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rage: — gpm

Total Gallons Removed: 6.1 gal.

Well Development Criteria Met:

Notes: H2O is very turbid, Only two water Parameter readings. Due to inconsistent flow rates and ~~pumping~~ pumping of H2O MAM

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☐

	Yes	No
■ Well water clear to unaided eye	☐	☒
■ Sediment thickness remaining in well is <1.0% of screen length	☐	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☐	☐
■ Turbidity < 5NTUs	☐	☒
■ 10% change in field parameters	☐	☒

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
15:16		5.0	5.27	15.80	500	1000	500 mL/m
15:34		15.0	4.81	15.74	481	900.00	

Well Developer's Signature _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN

WELL DEVELOPMENT RECORD

Project: Textron / Gorham	Well Installation Date: 3/24/08		Project No. 36500500.11
Client: RIDEM Gorham	Well Development Date: 3/24/08	Logged by: MAM	Checked by: PJM
Well/Site I.D.: MW-227S	Weather: Sunny; cool high 40's	Start Date: 3/24/08	Finish Date: 3/24/08
	Well Diameter: 2 in.	Start Time: 08:35	Finish Time: 09:25

Well Construction Record Data:

Bottom of Screen	~~32~~ 30 ft.	From Ground Surface ☒ From Top of Riser ☐
Sediment Sump/Plug	~~31~~ 30 ft.	
Screen Length	10 ft.	Fluids Lost during Drilling: ~10 gal.

Protective Casing Stick-up	— ft.	Protective Casing/Well Diff.	0.55 ft.	PID Readings: Ambient Air	— ppm
				Well Mouth	— ppm

Well Levels:

Initial	23.31 ft.	**Sediment:** Well Depth before Development	29.45 ft.	(from top of PVC)	
End of Development	23.35 ft.	Well Depth after Development	29.50 ft.		
24 Hours after Development	— ft.	Sediment Depth Removed	0.05 ft.		
HT of Water Column	8.69 ft.	x ☐ ~~1.68~~ 0.163 gal./ft. ☐ ____	= 1.42	gal./vol. *for 4" HSA Installed Wells	

Equipment: moonsoon

- ☑ Dedicated Submersible Pump
- ☐ Surge Block
- ☐ Bailer ☐ 2" ☐ ____
- ☐ Grundfos Pump 2" ____ 4" ____

Approximate Recharge Rage: — gpm

Total Gallons Removed: 25 gal.

Well Development Criteria Met:

Notes: H2O is clear after 10 min of development.

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☑

	Yes	No
■ Well water clear to unaided eye	☑	☐
■ Sediment thickness remaining in well is <1.0% of screen length	☑	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☑	☐
■ Turbidity < 5NTUs	☐	☑
■ 10% change in field parameters	☐	☑

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
08:40	1060	—	6.55	12.93	449	810	1000ml/min
09:01	—	~~5~~ 5	6.51	12.03	902	41.1	450ml/m
09:17	—	~~15~~ 15	6.59	11.91	911	262	250ml/m
09:25	—	~~25~~ 25	6.75	11.73	946	42	250ml/m

Well Developer's Signature: [signature]

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
Attn: RRC 2004

MACTEC, Inc.

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Textron / Gorham	3/19/02		36500500541
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
REDEM Gorham	3/21/02	MAM	PJM
Well/Site I.D.:	**Weather:** Overcast Very windy, Sunny	**Start Date:** ~~3/22~~ 3/21/02	**Finish Date:** 3/21/02
MW-227D		**Start Time:** 10:25	**Finish Time:** 13:35

Well Construction Record Data:

Well Diameter: 2 in.

Bottom of Screen	60	ft.
Sediment Sump/Plug	CC	ft.
Screen Length	10	ft.

From Ground Surface ☒ From Top of Riser ☐

Fluids Lost during Drilling: ~~1~~00 gal.

Protective Casing Stick-up: — ft. · Protective Casing/Well Diff. -0.30 ft.

PID Readings: Ambient Air — ppm; Well Mouth — ppm

Well Levels:

Initial	23.75	ft.
End of Development	23.65	ft.
~~24~~ 72 Hours after Development	23.55	ft.
HT of Water Column	34.1	ft.

Sediment:

Well Depth before Development	57.25	ft.
Well Depth after Development	59.63	ft.
Sediment Depth Removed	1.78	ft.

(from top of PVC) 59.63 − 57.25 = 1.78

x ☒ ~~1.68~~ 0.163 gal./ft. ☐ _____ = 27.8 gal./vol.

*for 4" HSA Installed Wells

Equipment:

- ☒ Dedicated Submersible Pump monsoon
- ☐ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rage: — gpm

Total Gallons Removed: 175 gal.

Well Development Criteria Met:

Notes: H2O is very turbid for first 55 gal.
Around ~~60~~ 75 gal, H2O is clearer, Depth to bottom is around 61ft.
H2O is clear around 125 gal

	Yes	No
■ Well water clear to unaided eye	☒	☐
■ Sediment thickness remaining in well is <1.0% of screen length	☒	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☐	☐
■ Turbidity < 5NTUs	☐	☒
■ 10% change in field parameters	☐	☐

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☐

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
10:32		10	6.10	13.80	334	>1000	500 ml/min
10:44		35	6.36	10.49	162	>1000	450 ml/m
12:07		75	6.29	13.22	215	181	500 ml/min
13:05		125	6.23	10.93	8	20	500 ml/m
13:30		200	6.25	10.11	6	13	500 ml/m

Well Developer's Signature _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
Attachment RRC 2004

MACTEC, Inc.

2004005b L 6

>4 ft
23.65ft

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Textron/Gorham	3/24/10		365005004
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
Textron	3/26/10	MAM	PJM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-228S	Mostly cloudy	3/26/10	3/26/10

Well Construction Record Data:

Bottom of Screen	34 ft.	Well Diameter	2 in.	Start Time: 08:30 / Finish Time: 10:40
Sediment Sump/Plug	34 ft.	☐ From Ground Surface ☐ From Top of Riser		
Screen Length	10 ft.	Fluids Lost during Drilling	10 gal.	

Protective Casing Stick-up: — ft. · Protective Casing/Well Diff.: 0.61 ft. · PID Readings: Ambient Air ppm; Well Mouth ppm

Well Levels:

		Sediment:		
Initial	23.85 ft.	Well Depth before Development	33.45 ft.	(from top of PVC)
End of Development	23.85 ft.	Well Depth after Development	33.91 ft.	
24 Hours after Development	— ft.	Sediment Depth Removed	0.54 ft.	
HT of Water Column	10.15 ft.	x ☐ ~~1.68~~ gal./ft. ☐ 0.163	= 1.62	gal./vol. 2.10 (for small valve) *for 4" HSA Installed Wells

Equipment:

- ☑ Dedicated Submersible Pump (male Pump)
- ☑ Surge Block (~ 10 gallons)
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rage: — gpm

Total Gallons Removed: 30 gal.

Well Development Criteria Met:

Notes: Water is turbid when using surge block.
Lowered whale Pump, turb. again, then clear
Lowered whale Pump to the bottom @ 10:15
Finished development @ 35 gallons

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☐

	Yes	No
■ Well water clear to unaided eye	☑	☐
■ Sediment thickness remaining in well is <1.0% of screen length	☑	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☐	☐
■ Turbidity < 5NTUs	☑	☐
■ 10% change in field parameters	☐	☐

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
09:35		~~26~~ 15	5.83	14.83	1.062	230	1200 ml/min
10:00		~~35~~ 25	5.85	14.62	909	41?	1200 ml/m
10:25		35	5.87	15.71	794	25	1200 ml
10:35		37	5.86	15.47	779	5	1200 ml

Well Developer's Signature _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Texton/Gorham	3/24/08		36500500x1.6
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
Texton	3/25/08	MAM	TJM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-228P	Sunny	3/25/08	3/26/08
Well Construction Record Data:	Well Diameter 2 in.	**Start Time:** ~~PM~~ 10	**Finish Time:** 13:30

Bottom of Screen: 55 ft.
Sediment Sump/Plug: 55 ft.
Screen Length: 10 ft.
☐ From Ground Surface ☐ From Top of Riser
Fluids Lost during Drilling: ~30 gal.

Protective Casing Stick-up: — ft. · Protective Casing/Well Diff. −0.50 ft.

PID Readings: Ambient Air — ppm; Well Mouth — ppm

Well Levels: 3/25/08 3/26/08

Initial	24.1 24.07 ft.	
End of Development	24.07 ft.	
24 Hours after Development	— ft.	

Sediment: 3/25/08 3/26/08 54.7 (from top of PVC)

Well Depth before Development	54.1 ft.
Well Depth after Development	54.9 ft.
Sediment Depth Removed	0.8 ft.

HT of Water Column: 30.90 ft. × ☐ ~~1.68~~ gal./ft. ☐ 0.163 = 4.94 gal./vol. 24.70 *for 4" HSA Installed Wells

Equipment:
- ☐ Dedicated Submersible Pump (moonsoon)
- ☐ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rage: — gpm
Total Gallons Removed: 110 gal.

Well Development Criteria Met:

Notes: moonsoon pump broken used surge block, Pumped out 55 gallons on 3/25/08, 3/26/08 - Using whale pump @ 10:55, 11:10: Lower Pump.

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☐

	Yes	No
■ Well water clear to unaided eye	☑	☐
■ Sediment thickness remaining in well is <1.0% of screen length	☑	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☐	☐
■ Turbidity < 5NTUs	☐	☑
■ 10% change in field parameters	☐	☐

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
12:22		15	6.44	14.60	282	~~7~~ 1000	~~130~~
3/26/08 11:04		60	5.59	15.97	321	32.2	1300 ml/hr
11:23		65	5.45	15.76	350	36.7	1300 ml/hr
12:00		75	5.45	14.57	327	561	1300 ml/hr
12:25		85	5.39	15.82	335	490	1300 ml/hr
					333	377	1300 ml/hr
13:12		100	5.36	14.93			

Well Developer's Signature _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
[redacted] RRC 2004

WELL DEVELOPMENT RECORD

Project: Gorham	Well Installation Date: 3.21.08		Project No. 36500500f1.18
Client: Textron	Well Development Date: 3.26.08	Logged by: BM	Checked by: MAM
Well/Site I.D.: MW-229	Weather: Mostly Sunny, 45°F	Start Date: 3.26.08	Finish Date: 3.26.08
Well Construction Record Data:	Well Diameter: 1 in.	Start Time: 1130	Finish Time: 1340

Bottom of Screen: 31' ft.
Sediment Sump/Plug: 31' ft.
Screen Length: 10 ft.
From Ground Surface ☒ From Top of Riser ☒ (PM)
Fluids Lost during Drilling: 0 gal.

Protective Casing Stick-up: N/A ft. · Protective Casing/Well Diff.: -0.3 ft. PID Readings: Ambient Air 0 ppm; Well Mouth ppm

Well Levels:

		Sediment:		
Initial	23.41 ft.	Well Depth before Development	27.4 ft.	(from top of PVC)
End of Development	23.43 ft.	Well Depth after Development	30.2 ft.	
24 Hours after Development	— ft.	Sediment Depth Removed	2.8 ft.	
HT of Water Column	3.99 ft.	x ☐ 1.68" gal./ft. ☒ 0.04) =	0.16	gal./vol. 0.50 (for 3 well volume) *for 4" HSA Installed Wells

Equipment:
- ☐ Dedicated Submersible Pump
- ☐ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

x check valve 1/2" tubing

Approximate Recharge Rage: — gpm
Total Gallons Removed: 15 gal.

Well Development Criteria Met:

Notes: _____

	Yes	No
■ Well water clear to unaided eye	☐	☒
■ Sediment thickness remaining in well is <1.0% of screen length	☒	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☒	☐
■ Turbidity < 5NTUs	☐	☒
■ 10% change in field parameters	☐	☒

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☒

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance mS/cm	Turbidity	Pumping Rate
1153		4	5.58	15.32	177	>1000	Varies
1218		9	5.39	13.74	166	>1000	"
1301		13	5.46	14.38	164	>1000	"
1334		15	5.46	15.30	163	>1000	"

Well Developer's Signature _____

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
24th RRC 2004

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Gorham	3/26/07		36500501.11
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
Textron	3/27/07	MAM	PJM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-220S	Sunny, cool	3/27/07	3/27/07
		Start Time:	**Finish Time:**
		10:52	11:46

Well Construction Record Data:

Well Diameter: 2 ~~4~~ in.

Bottom of Screen	30	ft.
Sediment Sump/Plug	30	ft.
Screen Length	10	ft.

☐ From Ground Surface ☑ From Top of Riser ☐

Fluids Lost during Drilling: ~10 gal.

Protective Casing Stick-up: — ft. · Protective Casing/Well Diff.: -0.42 ft.

PID Readings: Ambient Air — ppm; Well Mouth — ppm

Well Levels:

Initial	23.26	ft.
End of Development	23.25	ft.
24 Hours after Development	—	ft.

Sediment:

Well Depth before Development	29.52	ft. (from top of PVC)
Well Depth after Development	29.60	ft.
Sediment Depth Removed	29.12	ft.

HT of Water Column: 6.74 ft. x ☐ 1.68" gal./ft. ☑ 0.163 = 1.1 gal./vol. 5.5

*for 4" HSA Installed Wells

Equipment:

- ☑ Dedicated Submersible Pump (Waterra)
- ☐ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rage: — gpm

Total Gallons Removed: 25 gal.

Well Development Criteria Met:

Notes: Start well @ 10:52 Lowered pump to bottom @ 11:05. H2O is clear @ 11:10.

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☑

	Yes	No
■ Well water clear to unaided eye	☑	☐
■ Sediment thickness remaining in well is <1.0% of screen length	☑	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☑	☐
■ Turbidity < 5NTUs	☑	☐
■ 10% change in field parameters	☐	☐

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
11:00		2.5	6.39	14.61	436	143	2000 ml/min
11:10		5.0	6.47	14.59	505	12	2000 ml/min
11:25		15.0	6.47	14.67	555	2	2000 ml/min
11:46		25.0	6.47	14.54	607	1	200 ml/min

Well Developer's Signature: [signature]

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN
[redacted]

WELL DEVELOPMENT RECORD

Project:	Well Installation Date:		Project No.
Jetton/Graham	3/25/02		36500504.1.6
Client:	**Well Development Date:**	**Logged by:**	**Checked by:**
Jetton	3/27/02	MAM	PJM
Well/Site I.D.:	**Weather:**	**Start Date:**	**Finish Date:**
MW-2360	Sunny, cool	3/27/02	3/27/02
Well Construction Record Data:		**Start Time:**	**Finish Time:**
Well Diameter: 2 in.		08:45	10:45

Bottom of Screen: 60 ft.
Sediment Sump/Plug: 60 ft.
Screen Length: 10 ft.
From Ground Surface ☒ From Top of Riser ☐
Fluids Lost during Drilling: ~40 gal.

Protective Casing Stick-up: — ft. · Protective Casing/Well Diff: 0.22 ft.

PID Readings: Ambient Air ppm; Well Mouth ppm

Well Levels:

		Sediment:		
Initial	23.60 ft.	Well Depth before Development	59.79 ft.	(from top of PVC)
End of Development	23.63 ft.	Well Depth after Development	59.60 ft.	59.60 − 58.79 = .81
24 Hours after Development	— ft.	Sediment Depth Removed	.81 ft.	
HT of Water Column	36.41 ft.	x ☐ 1.68" gal./ft. ☐ 0.163	= 5.93	gal./vol. 3 gal (Swell volume) *for 4" HSA Installed Wells

Equipment:
- ☑ Dedicated Submersible Pump (whale pump)
- ☐ Surge Block
- ☐ Bailer ☐ 2" ☐ _____
- ☐ Grundfos Pump 2" _____ 4" _____

Approximate Recharge Rage: _____ gpm
Total Gallons Removed: 75 gal.

Well Development Criteria Met:

Notes: Hzo is clear - when first pump, then turbid when pump is at bottom. ~5 gallons later Hzo is clear @ 54 gallons. moved pump up and down.

End of Well Development Sample (1 pint) Collected? Yes ☐ No ☑

	Yes	No
■ Well water clear to unaided eye	☑	☐
■ Sediment thickness remaining in well is <1.0% of screen length	☑	☐
■ Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost	☑	☐
■ Turbidity < 5NTUs	☑	☐
■ 10% change in field parameters	☐	☑

Water Parameter Measurements

Record at start, twice during and at the end of development (minimum):

Time	Volume	Total Gallons	pH	Temp.	Conductance	Turbidity	Pumping Rate
09:00		5	6.41	13.94	224	123	200 ml/m
09:55		35	6.39	13.81	364	4	200 ml/m
10:11		54	6.32	14.03	398	36	200 ml
10:45		71	6.31	14.1	462	4	200 ml/m

Well Developer's Signature: [signature]

WELL DEVELOPMENT RECORD
QUALITY ASSURANCE PROJECT PLAN

Appendix E

Groundwater Sampling Records

MACTEC ENGINEERING & CONSULTING, INC. PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3/31/04

WELL ID: MW-220S01 | START: 13:30 END: 14:31 | BOTTLE TIME: 14:25

SAMPLE ISIS ID: MW220S01

☐ QC SAMPLES COLLECTED — DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	HISTORICAL WELL DEPTH	PROTECTIVE CASING STICKUP (FROM GROUND)	PROTECTIVE CASING / WELL DIFFERENCE
31.60 FT (TOR)	NA FT (TOR)	NA FT	-0.25 NA FT

DEPTH TO WATER	SCREEN LENGTH	WELL DIAMETER	WELL MATERIAL
24.75 FT (TOR)	10 FT	2 IN	PVC

HEIGHT OF WATER COLUMN: 6.85 FT x ☒ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 1.10 GAL/VOL

TOTAL VOLUME PURGED: 3.19 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: 0.0 PPM | WELL MOUTH: 38 PPM

PURGE DATA

Pump on @ 13:30 YSI hookup @ 13:35

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (~~uhmos/cm~~ ms/cm)	D.O. (mg/L)	ORP (mV)	Comments
13:43	24.75	250	14.55	6.22	74	567	2.76	138.7	
13:48	24.75	250	14.34	6.20	37	558	2.31	143.6	
13:53	24.75	250	14.34	6.14	25	552	2.07	146.6	
13:58	24.75	250	14.32	6.14	18	548	1.95	149.1	
14:03	24.75	250	14.20	6.14	18	545	1.87	151.1	
14:08	24.75	250	14.35	6.14	14	542	1.85	151.5	
14:13	24.75	250	14.33	6.18	13	540	1.81	152.7	
14:18	24.75	250	14.32	6.18	12	541	1.80	153.1	
14:19	24.75	250	14.32	6.19	12	540	1.80	154.1	
14:25 - Sample well MW-220S									

EQUIPMENT DOCUMENTATION

PURGING	SAMPLING	
		PERISTALTIC PUMP
☒		SUBMERSIBLE PUMP
☒	☒	BLADDER PUMP
		PVC/SILICON TUBING
		TEFLON/SILICON TUBING
		WATTERA
		IN LINE FILTER
		PRESS/VAC FILTER

DECON FLUIDS USED:
- ☐ METHANOL
- ☒ LIQUINOX
- ☐ POTABLE WATER
- ☒ DEIONIZED WATER
- ☐ HEXANE
- ☐ NITRIC ACID
- ☐ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED:
- ☒ ELECTRIC COND. PROBE
- ☐ FLOAT ACTIVATED
- ☐ KECK INTERFACE PROBE
- ☐ _____

NUMBER OF FILTERS USED: _____

ANALYTICAL PARAMETERS

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	~~8260~~ VOC	8260	—	HCl	3x40ml	☒	MW-220S01
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	

NOTES AND SAMPLE OBSERVATIONS

Some Production H2O

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:
Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC.

PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3/3/08

WELL ID: MW-221S | START: 15:45 END: 16:30 | BOTTLE TIME: 16:30

SAMPLE ISIS ID: MW221S01

☐ QC SAMPLES COLLECTED — DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	32 FT (TOR)	HISTORICAL WELL DEPTH	33 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	NA FT
DEPTH TO WATER	? FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: NA? FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) = NA? GAL/VOL ☐ 1.5 GAL/FT (6 IN)

TOTAL VOLUME PURGED: 0.5 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: 0.0 PPM | WELL MOUTH: 41.1 PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. ~~(ohmos/cm)~~ uS/cm	D.O. (mg/L)	ORP (mV)	Comments
16:00	?	80mL	16.17	6.65	96	932	15.29	-21.4	product too much

EQUIPMENT DOCUMENTATION

PURGING: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☒

SAMPLING: ☐ PERISTALTIC PUMP; ☐ SUBMERSIBLE PUMP; ☐ BLADDER PUMP; ☐ PVC/SILICON TUBING; ☐ TEFLON/SILICON TUBING; ☐ WATTERA; ☐ IN LINE FILTER; ☐ PRESS/VAC FILTER; ☒ check valve

DECON FLUIDS USED: ☐ METHANOL; ☒ LIQUINOX; ☐ POTABLE WATER; ☒ DEIONIZED WATER; ☐ HEXANE; ☐ NITRIC ACID; ☐ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: ☐ ELECTRIC COND. PROBE; ☐ FLOAT ACTIVATED; ☐ KECK INTERFACE PROBE; ☒ none

NUMBER OF FILTERS USED: —

ANALYTICAL PARAMETERS

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	VOC	8260	—	HCl	3 x 40 ml HCl	☒	MW221S01
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	

NOTES AND SAMPLE OBSERVATIONS

The well have Product in it. D. Increase water level due to product. only took one reading

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE:

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC.

PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3/28/10

WELL ID: MW-222S | START 10:25 END 14:06 | BOTTLE TIME: 14:00

SAMPLE ISIS ID: MW222501

☐ QC SAMPLES COLLECTED | DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	?NA FT (TOR)	HISTORICAL WELL DEPTH	33? FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-.10 FT
DEPTH TO WATER	?NA FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	1 IN	WELL MATERIAL	Steel

HEIGHT OF WATER COLUMN: NA FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) = NA GAL/VOL ☐ 1.5 GAL/FT (6 IN) ☒ 0.041 Gal/ft (1in)

TOTAL VOLUME PURGED: ~0.5 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: 0 PPM | WELL MOUTH: 4.4 PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. ~~(uhmos/cm)~~ mS/cm	D.O. (mg/L)	ORP (mV)	Comments
10:30	?	200	16.9	6.49	71000	666	2.07	-65.4	Used only one Reading
Sample well MW222S @ 14:00 w. th recharge									

EQUIPMENT DOCUMENTATION

PURGING	SAMPLING	
		PERISTALTIC PUMP
		SUBMERSIBLE PUMP
		BLADDER PUMP
		PVC/SILICON TUBING
		TEFLON/SILICON TUBING
		WATTERA
		IN LINE FILTER
		PRESS/VAC FILTER
✓	✓	Check valve

DECON FLUIDS USED:
- ☐ METHANOL
- ☐ LIQUINOX
- ☐ POTABLE WATER
- ☐ DEIONIZED WATER
- ☐ HEXANE
- ☐ NITRIC ACID
- ☒ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED:
- ☒ ELECTRIC COND. PROBE
- ☐ FLOAT ACTIVATED
- ☐ KECK INTERFACE PROBE
- ☐ _____

NUMBER OF FILTERS USED: _____

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	8260	N	HCl	3x40ml	☒	MW222501

NOTES AND SAMPLE OBSERVATIONS

Well went dry. Sampled Recharge. Had o-level can't reach bottom, will treat well as the same as MW-22US. Purge H2O is @ 10ppm. Collected in 2 plastic bags

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:
Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC.

PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3.27.08

WELL ID: MW-223S | START: 1510 END: 1600 | BOTTLE TIME: 1550

SAMPLE ISIS ID: MW223501

☐ QC SAMPLES COLLECTED — DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	32.7 FT (TOR)	HISTORICAL WELL DEPTH	33 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	N/A FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.20 FT
DEPTH TO WATER	26.00 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	1 IN	WELL MATERIAL	PVC steel (PM)

HEIGHT OF WATER COLUMN: 6.70 FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 0.82 GAL/VOL (X 3 well vol.) — TOTAL VOLUME PURGED: 1 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml (X 0.041 gal/ft (1")) — AMBIENT AIR: 0.0 PPM — WELL MOUTH: 2.6 PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (~~umhos/cm~~ mS/cm)	D.O. (mg/L)	ORP (mV)	Comments
1528	Begin Purging								
1534	26.00	250	13.26	6.39	>1000	434	0.38	-47.3	flow-through cell
1545	26.00	11	13.32	6.27	>1000	490	4.32	14.0	cup
1550	Collect	Sample			MW223501				

EQUIPMENT DOCUMENTATION

PURGING	SAMPLING		DECON FLUIDS USED		WATER LEVEL EQUIPMENT USED	
		PERISTALTIC PUMP	☐	METHANOL	☒	ELECTRIC COND. PROBE
		SUBMERSIBLE PUMP	☐	LIQUINOX	☐	FLOAT ACTIVATED
		BLADDER PUMP	☐	POTABLE WATER	☐	KECK INTERFACE PROBE
		PVC/SILICON TUBING	☐	DEIONIZED WATER	☐	_____
		TEFLON/SILICON TUBING	☐	HEXANE		
		WATTERA	☐	NITRIC ACID		
		IN LINE FILTER	☒	NONE- Dedicated Tubing		
☒	☒	PRESS/VAC FILTER (check valve)				

NUMBER OF FILTERS USED _____

ANALYTICAL PARAMETERS

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	VOC	8260	N	HCl	3x 40mL	☒	MW223501
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	
☐						☐	

NOTES AND SAMPLE OBSERVATIONS

Sulfur odor

PID = 0.0 in purge water

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: _____

MACTEC ENGINEERING & CONSULTING, INC.

PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3-27-08

WELL ID: MW-223D | START 1420 END 1500 | BOTTLE TIME: 1455

SAMPLE ISIS ID: MW223D01

☐ QC SAMPLES COLLECTED — DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	54.9 FT (TOR)	HISTORICAL WELL DEPTH	58.8 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	N/A FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.28 FT
DEPTH TO WATER	26.30 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	1 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 28.60 FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 3.4 GAL/VOL (x 3 well volumes)

TOTAL VOLUME PURGED: 3.5 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml (x 0.041 (1"))

AMBIENT AIR: 0 PPM | WELL MOUTH: 0.4 PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (~~mhmos/cm~~ uS/cm)	D.O. (mg/L)	ORP (mV)	Comments
1423	Begin Purging								
1426	27.60	500 300	13.44	6.71	>1000	301	0.70	-199	v. Silty
1435	28.40	500 300	13.52	6.85	>1000	243	0.19	-321	"
1449	28.40	300	13.45	6.62	>1000	240	1.73	-92.5	" (cleaned flow through cell)
1455	Collect	MW223D01							

EQUIPMENT DOCUMENTATION

PURGING	SAMPLING	
		PERISTALTIC PUMP
		SUBMERSIBLE PUMP
		BLADDER PUMP
		PVC/SILICON TUBING
		TEFLON/SILICON TUBING
		WATTERA
		IN LINE FILTER
X	X	PRESS/VAC FILTER — check valve

DECON FLUIDS USED:
- ☐ METHANOL
- ☐ LIQUINOX
- ☐ POTABLE WATER
- ☐ DEIONIZED WATER
- ☐ HEXANE
- ☐ NITRIC ACID
- X NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED:
- X ELECTRIC COND. PROBE
- ☐ FLOAT ACTIVATED
- ☐ KECK INTERFACE PROBE
- ☐ _____

NUMBER OF FILTERS USED _____

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
X VOC	8260	N	HCl	3x40mL	X	MW223D01

NOTES AND SAMPLE OBSERVATIONS

PID = 0.0 ppm in purge water

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:
Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: _____

MACTEC ENGINEERING & CONSULTING, INC. PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3/28/02

WELL ID: MW-224S | START 08:50 END 09:30 | BOTTLE TIME: 09:30

SAMPLE ISIS ID: MW224S01 | 08:55 MAN

☐ QC SAMPLES COLLECTED | DUPLICATE ID | MS ID | MSD ID

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	31.55 FT (TOR)	HISTORICAL WELL DEPTH	33 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-1.5 FT
DEPTH TO WATER	26.4 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	1 IN	WELL MATERIAL	Steel

HEIGHT OF WATER COLUMN: 5.15 FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) = 0.21 GAL/VOL ☐ 1.5 GAL/FT (6 IN) ☒ 0.041 gal/ft (1 in)

TOTAL VOLUME PURGED: 0.63 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: 0.0 PPM (overrange) | WELL MOUTH: 1.1 PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm) [us/cm]	D.O. (mg/L)	ORP (mV)	Comments
08:59	26.5	100	17.79	6.57	786	727	3.6	-126.3	flow through cell up
09:04	26.5	100	16.79	6.45	780	720	3.1	-96.6	
09:09	26.5	100	16.40	6.38	74000	709	3.60	-78.1	
09:14	26.5	100	16.84	6.33	74000	864	4.6	-67.1	
09:30 – Sample well MW224S01									

EQUIPMENT DOCUMENTATION

PURGING	SAMPLING	DECON FLUIDS USED	WATER LEVEL EQUIPMENT USED
	PERISTALTIC PUMP	METHANOL	☒ ELECTRIC COND. PROBE
	SUBMERSIBLE PUMP	LIQUINOX	FLOAT ACTIVATED
	BLADDER PUMP	POTABLE WATER	KECK INTERFACE PROBE
	PVC/SILICON TUBING	DEIONIZED WATER	
	TEFLON/SILICON TUBING	HEXANE	
	WATTERA	NITRIC ACID	
	IN LINE FILTER	☒ NONE- Dedicated Tubing	
	PRESS/VAC FILTER		
☒	☒ Check valve		

NUMBER OF FILTERS USED: ____

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ MW224S01	8260	N	HCl	3X40mL	☒	MW224S01

NOTES AND SAMPLE OBSERVATIONS

water is turbid

purge water is overrange for PID reading

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: [signature]

RECEIVED BY: BJM

MACTEC ENGINEERING & CONSULTING, INC. PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3.27.08

WELL ID: MW-225S | START: 1320 END: 1405 | BOTTLE TIME: 1356

SAMPLE ISIS ID: MW225S01

☐ QC SAMPLES COLLECTED | DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH: 32.0 FT (TOR) | HISTORICAL WELL DEPTH: ~~32.5~~ 32.0 (pm) FT (TOR) | PROTECTIVE CASING STICKUP (FROM GROUND): N/A FT | PROTECTIVE CASING / WELL DIFFERENCE: -0.25 FT

DEPTH TO WATER: 25.43 FT (TOR) | SCREEN LENGTH: 10 FT | WELL DIAMETER: 1 IN | WELL MATERIAL: PVC

HEIGHT OF WATER COLUMN: 6.57 FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 0.81 GAL/VOL (x 3 well volumes) | TOTAL VOLUME PURGED: 1 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml (x 0.041 gal/ft (1 in)) | AMBIENT AIR: 0 PPM | WELL MOUTH: 1.7 PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (mS/cm ~~umhos/cm~~)	D.O. (mg/L)	ORP (mV)	Comments
1331	Begin Purging w/ check valve								
1333	25.40	500	15.53	5.83	>1000	52.0	~~0.49~~		
1342	25.40	500	15.77	5.98	>1000	544	0.49	-3.1	
1352	25.40	500	15.82	6.03	>1000	538	0.39	-73.0	
1356	Collect Sample MW225S01								

EQUIPMENT DOCUMENTATION

PURGING: ☒ check valve

SAMPLING: ☒ PERISTALTIC PUMP; ☐ SUBMERSIBLE PUMP; ☐ BLADDER PUMP; ☐ PVC/SILICON TUBING; ☐ TEFLON/SILICON TUBING; ☐ WATTERA; ☐ IN LINE FILTER; ☐ PRESS/VAC FILTER

DECON FLUIDS USED: ☐ METHANOL; ☐ LIQUINOX; ☐ POTABLE WATER; ☐ DEIONIZED WATER; ☐ HEXANE; ☐ NITRIC ACID; ☒ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: ☒ ELECTRIC COND. PROBE; ☐ FLOAT ACTIVATED; ☐ KECK INTERFACE PROBE; ☐ _____

NUMBER OF FILTERS USED _____

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ VOC	8260	No	HCl	3x 40mL	☒	MW225S01

NOTES AND SAMPLE OBSERVATIONS

Purge rate is intermittent

Purge water head space = 0.0 ppm

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:
Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: _____

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FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3.27.08

WELL ID: MW-225D | START: 1200 END: 1315 | BOTTLE TIME: 1312

SAMPLE ISIS ID: MW225D01

☐ QC SAMPLES COLLECTED — DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH: 47.2 FT (TOR) | HISTORICAL WELL DEPTH: 47.8 FT (TOR) | PROTECTIVE CASING STICKUP (FROM GROUND): N/A FT | PROTECTIVE CASING / WELL DIFFERENCE: -0.27 FT

DEPTH TO WATER: 25.40 FT (TOR) | SCREEN LENGTH: 10 FT | WELL DIAMETER: 1 IN | WELL MATERIAL: PVC

HEIGHT OF WATER COLUMN: 21.8 FT x ☐ 0.16 GAL/FT (2 IN) ☒ 0.041 gal/ft (1in) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 2.68 GAL/VOL x 3 well vol. | TOTAL VOLUME PURGED: 2.7 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: 0.0 PPM | WELL MOUTH: 7 PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. ~~(uhmos/cm)~~ mS/cm	D.O. (mg/L)	ORP (mV)	Comments
1244	25.45	500	15.38	6.72	909	392	4.68	-85.2	
1250	25.45	"	15.27	6.68	944	391	0.22	-205	
1259	25.45	"	15.41	6.67	>1000	396	0.23	-274	
1308	25.45	"	15.35	6.69	>1000	403	0.20	-297	
1312	Collect	Sample		MW225D01					

EQUIPMENT DOCUMENTATION

PURGING: ☒ check valve

SAMPLING: ☒ PERISTALTIC PUMP; ☐ SUBMERSIBLE PUMP; ☐ BLADDER PUMP; ☐ PVC/SILICON TUBING; ☐ TEFLON/SILICON TUBING; ☐ WATTERA; ☐ IN LINE FILTER; ☐ PRESS/VAC FILTER

DECON FLUIDS USED: ☐ METHANOL; ☐ LIQUINOX; ☐ POTABLE WATER; ☐ DEIONIZED WATER; ☐ HEXANE; ☐ NITRIC ACID; ☒ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: ☒ ELECTRIC COND. PROBE; ☐ FLOAT ACTIVATED; ☐ KECK INTERFACE PROBE; ☐ _____

NUMBER OF FILTERS USED _____

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒	8260	N	HCl	3x40mL	☒	MW225D01
☐					☐	
☐					☐	
☐					☐	
☐					☐	
☐					☐	
☐					☐	
☐					☐	

NOTES AND SAMPLE OBSERVATIONS

Purge rate is intermittent - by hand

Purge water head space = 1.7ppm

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:
Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV

SIGNATURE: _____

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FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 4/6/07

WELL ID: MW-226S | START 09:15 END 09:50 | BOTTLE TIME: 09:50

SAMPLE ISIS ID: MW226S01

☐ QC SAMPLES COLLECTED | DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	32.82 FT (TOR)	HISTORICAL WELL DEPTH	32.2 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.14 FT
DEPTH TO WATER	26.55 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	1 IN	WELL MATERIAL	SPVC

HEIGHT OF WATER COLUMN: 6.27 FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) = 6.25 GAL/VOL ☐ 1.5 GAL/FT (6 IN) @ 0.041 gal/ft (1in)

TOTAL VOLUME PURGED: 0.77 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: ~~PPM~~ WELL MOUTH: PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
09:20	26.55	350	16.65	6.21	~~720~~ 30	1303	10.92	~~5.3~~ -15.3	use flow
	Only one Reading				71000 (NM)				cup for Readings
09:55 - Sample well MW226S									

EQUIPMENT DOCUMENTATION

PURGING: ☒

SAMPLING: ☒ PERISTALTIC PUMP ☐ SUBMERSIBLE PUMP ☐ BLADDER PUMP ☐ PVC/SILICON TUBING ☐ TEFLON/SILICON TUBING ☐ WATTERA ☐ IN LINE FILTER ☐ PRESS/VAC FILTER — Check valve

DECON FLUIDS USED: ☐ METHANOL ☐ LIQUINOX ☐ POTABLE WATER ☐ DEIONIZED WATER ☐ HEXANE ☐ NITRIC ACID ☒ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: ☒ ELECTRIC COND. PROBE ☐ FLOAT ACTIVATED ☐ KECK INTERFACE PROBE ☐ _____

NUMBER OF FILTERS USED: —

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ VOC's	8260	—	HCl	3x40ml	☒	MW226S

NOTES AND SAMPLE OBSERVATIONS

NO PID Reading only one Reading

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC. PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 4/2/08

WELL ID: MW-226D | START 08:15 END 08:45 | BOTTLE TIME: 08:50

SAMPLE ISIS ID: MW226D01

☐ QC SAMPLES COLLECTED — DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	55.03 FT (TOR)	HISTORICAL WELL DEPTH	56 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	— FT	PROTECTIVE CASING / WELL DIFFERENCE	0.29 FT
DEPTH TO WATER	26.34 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	1 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 28.69 FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) = 1.2 GAL/VOL ☒ 0.041 ☐ 1.5 GAL/FT (6 IN)

TOTAL VOLUME PURGED: 3.5 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: — PPM | WELL MOUTH: — PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
08:25	26.34	200	16.43	4.69	9417	~~232~~ (MNA)	1.80	219.3	
08:30	26.34	200	16.42	4.63	357	529	0.66	244.3	
08:35	26.34	200	16.42	4.61	300	503	0.75	247.4	
08:40	26.34	200	16.11	4.51	~~227~~ (Nam)	565	1.11	256.	
08:50	- Sample well MW226D								

EQUIPMENT DOCUMENTATION

PURGING: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☑

SAMPLING: ☐ PERISTALTIC PUMP; ☐ SUBMERSIBLE PUMP; ☐ BLADDER PUMP; ☐ PVC/SILICON TUBING; ☐ TEFLON/SILICON TUBING; ☐ WATTERA; ☐ IN LINE FILTER; ☐ PRESS/VAC FILTER; ☑ check valve

DECON FLUIDS USED: ☐ METHANOL; ☐ LIQUINOX; ☐ POTABLE WATER; ☐ DEIONIZED WATER; ☐ HEXANE; ☐ NITRIC ACID; ☒ NONE- Dedicated Tubing (none)

WATER LEVEL EQUIPMENT USED: ☑ ELECTRIC COND. PROBE; ☐ FLOAT ACTIVATED; ☐ KECK INTERFACE PROBE; ☐ _____

NUMBER OF FILTERS USED: —

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☑ 82 VOCs	8260	—	HCl	3x40ml	☑	MW226D01

NOTES AND SAMPLE OBSERVATIONS

No P.D Readings

to-hd H2O

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PJM

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PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3/31/08

WELL ID: MW-227S | BOTTLE TIME: 12:15

START 11:10 END 12:12

SAMPLE ISIS ID: MW227S01

[X] QC SAMPLES COLLECTED | DUPLICATE ID: MW227S01DUP | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	29.5 FT (TOR)	HISTORICAL WELL DEPTH	32 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.55 NA FT
DEPTH TO WATER	23.41 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 6.1 FT x [X] 0.16 GAL/FT (2 IN) [ ] 0.65 GAL/FT (4 IN) [ ] 1.5 GAL/FT (6 IN) = 0.98 GAL/VOL

TOTAL VOLUME PURGED: 41.3 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: 0.0 PPM | WELL MOUTH: 0.1 PPM

PURGE DATA

Start pump @ 11:10 Hookup YSI @ 11:15

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
11:25	23.41	300	13.39	6.44	37	902	0.13	63.9	↓
11:30	23.41	300	13.33	6.41	29	899	0.12	56.3	
11:35	23.41	300	13.28	6.44	23	855	0.13	51.9	DO membrane
11:40	23.41	300	13.21	6.44	18	891	0.14	47.7	has not on
11:45	23.41	300	13.54	6.44	13	896	0.12	43.9	
11:50	23.41	300	13.42	6.44	9	900	0.20	40.4	
11:55	23.41	300	13.27	6.44	7	904	0.21	37.9	↑
12:00	23.41	300	13.38	6.43	7	896	3.42	36.2	DO is on
12:05	23.41	300	13.25	6.43	7	898	3.40	34.9	
12:10	23.41	300	13.25	6.43	6	899	3.41	34.4	
12:15 - Sample well MW-227S									

EQUIPMENT DOCUMENTATION

PURGING	SAMPLING	
		PERISTALTIC PUMP
		SUBMERSIBLE PUMP
X	X	BLADDER PUMP
		PVC/SILICON TUBING
		TEFLON/SILICON TUBING
		WATTERA
		IN LINE FILTER
		PRESS/VAC FILTER

DECON FLUIDS USED:
- [ ] METHANOL
- [Y] LIQUINOX
- [ ] POTABLE WATER
- [X] DEIONIZED WATER
- [ ] HEXANE
- [ ] NITRIC ACID
- [ ] NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED:
- [X] ELECTRIC COND. PROBE
- [ ] FLOAT ACTIVATED
- [ ] KECK INTERFACE PROBE
- [ ] _____

NUMBER OF FILTERS USED: ____

ANALYTICAL PARAMETERS

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
X	VOC	8260	—	HCl	3X40ml HCl	X	MW227S01
X	VOC	8260	—	HCl	3X40ml HCl	X	MW227S01DUP

NOTES AND SAMPLE OBSERVATIONS

Sample Duplicate 3X40ml HCl

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PSM

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FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT Gorham | 3650050041.16 | DATE 3/31/08

WELL ID ~~MW-227D~~ MW-227D | START 09:40 END 10:18 | BOTTLE TIME 10:18

SAMPLE ISIS ID ~~MW227D6~~ MW227D01

☐ QC SAMPLES COLLECTED | DUPLICATE ID | MS ID | MSD ID

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	59.5 FT (TOR)	HISTORICAL WELL DEPTH	60 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	N/A FT	PROTECTIVE CASING / WELL DIFFERENCE	0.30 FT
DEPTH TO WATER	23.7 FT (TOR)	SCREEN LENGTH	16 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN 35.8 FT x ☒ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 5.7 GAL/VOL | TOTAL VOLUME PURGED 9.5G GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml | AMBIENT AIR 0.0 PPM | WELL MOUTH 0.4 PPM

PURGE DATA Start pump @ 09:40 : 40 PSI Hydrolyst @ 09:45

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
09:30	23.99	375	13.18	5.90	7100	526	15.97	233.1	H2O Sample
09:00	23.99	375	13.24	5.78	7100	534	15.10	219.6	
09:05	23.99	375	13.26	5.73	673	539	16.52	214.6	
09:10	23.99	375	13.31	5.70	434	529	16.72	206	
09:15	23.99	375	13.26	5.68	213	524	15.14	199.6	
09:20	23.99	375	13.27	5.66	209	529	15.06	192.4	
09:25	23.99	375	13.35	5.65	229	531	15.02	185.1	
09:30	23.99	375	13.32	5.63	118	532	14.99	180.1	
09:35	23.99	375	13.35	5.63	118	534	14.95	177.1	
09:40	23.99	375	13.45	5.61	82	535	14.50	174.1	
09:45	23.99	375	13.25	5.61	63	543	14.14	170.1	
09:50	23.99	375	13.15	5.66	51	546	14.00	169.1	

EQUIPMENT DOCUMENTATION Cont on Next Page

PURGING: ☐ ☐ ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐

SAMPLING: ☐ PERISTALTIC PUMP; ☐ SUBMERSIBLE PUMP; ☒ BLADDER PUMP; ☐ PVC/SILICON TUBING; ☐ TEFLON/SILICON TUBING; ☐ WATTERA; ☐ IN LINE FILTER; ☐ PRESS/VAC FILTER; ☐ _____

DECON FLUIDS USED: ☐ METHANOL; ☑ LIQUINOX; ☐ POTABLE WATER; ☒ DEIONIZED WATER; ☐ HEXANE; ☐ NITRIC ACID; ☐ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: ☑ ELECTRIC COND. PROBE; ☐ FLOAT ACTIVATED; ☐ KECK INTERFACE PROBE; ☐ _____

NUMBER OF FILTERS USED _____

ANALYTICAL PARAMETERS

METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
See next page					

ES AND SAMPLE OBSERVATIONS

Lo is very turbid when first for 3 gallons

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:
Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC.

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FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham

3650050041.16

DATE: 3/31/10

WELL ID: MW-227D MW-227D

START: 8:40 END: 10:18

BOTTLE TIME: 10:18

SAMPLE ISIS ID: MW227D / MW227D01

[ ] QC SAMPLES COLLECTED — DUPLICATE ID: MW227D01 / MS ID: / MSD ID:

WATER LEVEL / WELL DATA

See first page

MEASURED WELL DEPTH	FT (TOR)	HISTORICAL WELL DEPTH	FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	FT
PROTECTIVE CASING / WELL DIFFERENCE	FT	DEPTH TO WATER	FT (TOR)	SCREEN LENGTH	FT
WELL DIAMETER	IN	WELL MATERIAL		HEIGHT OF WATER COLUMN	FT

[ ] 0.16 GAL/FT (2 IN) [ ] 0.65 GAL/FT (4 IN) [ ] 1.5 GAL/FT (6 IN) x = GAL/VOL

TOTAL VOLUME PURGED: GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: PPM WELL MOUTH: PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
10:00	23.49	375	13.34	5.61	32	5141	13.96	165.9	
10:05	23.49	375	13.30	5.61	39	5116	13.82	164.1	
10:10	23.99	375	13.22	5.61	41	553	13.80	163.1	
10:15	23.99	375	13.19	5.66	42	553	13.79	163.1	
10:18	Sample well MW-227D01								

EQUIPMENT DOCUMENTATION

PURGING: [ ] [*] [X]

SAMPLING: [ ] PERISTALTIC PUMP [ ] SUBMERSIBLE PUMP [X] BLADDER PUMP [ ] PVC/SILICON TUBING [ ] TEFLON/SILICON TUBING [ ] WATTERA [ ] IN LINE FILTER [ ] PRESS/VAC FILTER

DECON FLUIDS USED: [ ] METHANOL [X] LIQUINOX [ ] POTABLE WATER [X] DEIONIZED WATER [ ] HEXANE [ ] NITRIC ACID [ ] NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: [X] ELECTRIC COND. PROBE [ ] FLOAT ACTIVATED [ ] KECK INTERFACE PROBE [ ] _____

NUMBER OF FILTERS USED: _____

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X] VOC's	8260	—	HCl	3x40ml HCl	[X]	MW227D01

NOTES AND SAMPLE OBSERVATIONS

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PSM

MACTEC ENGINEERING & CONSULTING, INC. PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 3/11/08

WELL ID: MW-228S | START 11:10 END 12:30 | BOTTLE TIME: 12:26

SAMPLE ISIS ID: mw228s01

[X] QC SAMPLES COLLECTED — DUPLICATE ID: MW228S01DUP; MS ID: MW228S01MS/MSD; MSD ID: ~~MW228S01MSD~~

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	34.5 FT (TOR)	HISTORICAL WELL DEPTH	34 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.61 NM FT
DEPTH TO WATER	23.9 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 10.6 FT x [X] 0.16 GAL/FT (2 IN) [ ] 0.65 GAL/FT (4 IN) [ ] 1.5 GAL/FT (6 IN) = 1.7 GAL/VOL

TOTAL VOLUME PURGED: 4.9 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: — PPM | WELL MOUTH: — PPM

PURGE DATA

Pump on @ 11:10 YSI hookup @ 11:15

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
11:40	23.9	250	14.72	5.97	53	1076	1.25	162.6	
11:50	23.9	250	14.78	5.97	31	1067	1.19	162.5	
11:55	23.9	250	14.87	5.97	27	1067	1.17	162.1	
12:00	23.9	250	14.81	5.96	19	1067	1.15	162.1	
12:05	23.9	250	14.90	5.96	15	1067	1.16	162.7	
12:10	23.9	250	14.86	5.96	10	1067	1.11	163.6	
12:13	23.9	250	14.82	5.96	10	1067	1.11	163.6	
12:16	23.9	250	14.81	5.96	9	1067	1.13	162.9	
12:20	Sample well MW-228S with MS/MSD								

EQUIPMENT DOCUMENTATION

PURGING: [X] BLADDER PUMP

SAMPLING: [X] BLADDER PUMP; [X] PVC/SILICON TUBING

DECON FLUIDS USED: [X] LIQUINOX; [X] DEIONIZED WATER

WATER LEVEL EQUIPMENT USED: [X] ELECTRIC COND. PROBE

NUMBER OF FILTERS USED: —

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X] 8260 VOC	8260	—	HCl	3 X 40ml HCl	[X]	MW228S01
[X] 8260 VOC	8260	—	HCl	3 X 40ml HCl	[X]	MW228S01DUP
[X] 8260 VOC	8260	—	HCl	3 X 40ml HCl	[X]	MW228S01MS/MSD

NOTES AND SAMPLE OBSERVATIONS

Sample for MS/MSD + DUP

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE:

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC.

PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 4/1/08

WELL ID: MW-22RD | START: 08:40 END: 10:20 | BOTTLE TIME: 10:15

SAMPLE ISIS ID: MW22RD01

☐ QC SAMPLES COLLECTED | DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	59.6 FT (TOR)	HISTORICAL WELL DEPTH	60 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.50 NA FT
DEPTH TO WATER	24.12 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 30.48 FT x ☑ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 4.9 GAL/VOL

TOTAL VOLUME PURGED: 9.3 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: ? NA PPM | WELL MOUTH: ? NA PPM

PURGE DATA

Start Pump @ 8:40 YSI hook up @ 09:00

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
09:05	24.12	400	14.49	5.54	301	320	1.01	158.1	
09:10	24.12	400	14.53	5.53	269	369	0.74	158.1	
09:20	24.12	400	14.56	5.52	301	383	0.70	159.1	
09:30	24.12	400	14.54	5.53	283	384	0.62	160.1	
09:35	24.12	400	14.54	5.53	233	385	0.56	160.1	
09:40	24.12	400	14.54	5.52	236	386	0.54	161.1	
09:45	24.12	400	14.54	5.52	231	385	0.54	162.1	
09:50	24.12	400	14.60	5.52	176	384	0.56	163.1	
09:55	24.12	400	14.63	5.53	116	384	0.55	163.1	
10:00	24.12	400	14.56	5.52	127	385	0.54	163.1	
10:05	24.12	400	14.46	5.53	125	382	0.53	163.7	
10:10	24.12	400	14.45	5.53	123	381	0.53	163.7	

EQUIPMENT DOCUMENTATION

PURGING: ☑ BLADDER PUMP

SAMPLING: ☑ BLADDER PUMP; ☑ PVC/SILICON TUBING

DECON FLUIDS USED: ☑ LIQUINOX; ☑ DEIONIZED WATER

WATER LEVEL EQUIPMENT USED: ☑ ELECTRIC COND. PROBE

NUMBER OF FILTERS USED: _____

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☑ VOC	8260	—	HCl	3x40 ml	☑	MW22RD01

NOTES AND SAMPLE OBSERVATIONS

PID not working; this is very turbid due to well development.

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC.

PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 4/2/08

WELL ID: MW-229S | START 10:35 END 10:50 | BOTTLE TIME: 10:50

SAMPLE ISIS ID: MW229S01

☐ QC SAMPLES COLLECTED — DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	26.7 FT (TOR)	HISTORICAL WELL DEPTH	31 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.29 FT
DEPTH TO WATER	23.5 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	1 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 3.2 FT x ☐ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) = 0.13 GAL/VOL ☐ 1.5 GAL/FT (6 IN) ~0.01

TOTAL VOLUME PURGED: 0.4 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: — PPM | WELL MOUTH: — PPM

PURGE DATA

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
10:45	23.5	100	10.97	5.95	71000	214	9.02	173.3	H2O is
Parameters taken in flow cup due to sediment									very turbid
10:50 - Sample well MW229S01									S. Hy

EQUIPMENT DOCUMENTATION

PURGING: ☑ PVC/SILICON TUBING

SAMPLING: ☑ PERISTALTIC PUMP (check valve)

DECON FLUIDS USED: ☑ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: ☑ ELECTRIC COND. PROBE

NUMBER OF FILTERS USED: —

ANALYTICAL PARAMETERS

		METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☑	VOC's	8260	—	HCl	3x40 ml	☑	MW229S01

NOTES AND SAMPLE OBSERVATIONS

NO PID Reading

High turbidity

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE:

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC. PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 4/1/08

WELL ID: MW-230S | START: 15:05 END: 16:10 | BOTTLE TIME: ~~16:10~~ 16:05 (MA)

SAMPLE ISIS ID: MW230S

[ ] QC SAMPLES COLLECTED | DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	29.5 FT (TOR)	HISTORICAL WELL DEPTH	30 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	-0.42 NA FT
DEPTH TO WATER	23.7 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 5.8 FT x [X] 0.16 GAL/FT (2 IN) [ ] 0.65 GAL/FT (4 IN) [ ] 1.5 GAL/FT (6 IN) = 0.93 GAL/VOL | TOTAL VOLUME PURGED: 4.5 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml | AMBIENT AIR: — PPM | WELL MOUTH: — PPM

PURGE DATA

Pump on 15:05 YSI held @ 15:13

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
15:35	23.7	300	14.01	6.66	84	906	3.41	106.4	
15:40	23.7	300	14.32	6.66	75	897	3.20	100.6	
15:45	23.7	300	14.36	6.65	25	931	3.09	89.8	
15:50	23.7	300	14.27	6.65	17	927	3.15	86.2	
15:55	23.7	300	14.22	6.66	9	921	3.19	83.5	
16:00	23.7	300	14.19	6.66	8	919	3.19	82.6	
16:03	23.7	300	14.18	6.66	7	915	3.19	81.5	
16:05	Sample well MW-230S								

EQUIPMENT DOCUMENTATION

PURGING: [X] BLADDER PUMP

SAMPLING: [X] BLADDER PUMP; [X] PVC/SILICON TUBING

[ ] PERISTALTIC PUMP; [ ] SUBMERSIBLE PUMP; [ ] TEFLON/SILICON TUBING; [ ] WATTERA; [ ] IN LINE FILTER; [ ] PRESS/VAC FILTER

DECON FLUIDS USED: [ ] METHANOL; [X] LIQUINOX; [ ] POTABLE WATER; [X] DEIONIZED WATER; [ ] HEXANE; [ ] NITRIC ACID; [ ] NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: [X] ELECTRIC COND. PROBE; [ ] FLOAT ACTIVATED; [ ] KECK INTERFACE PROBE

NUMBER OF FILTERS USED: —

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
[X] VOC	8260	—	HCl	3 x 40ml	[X]	MW-230S/01

NOTES AND SAMPLE OBSERVATIONS

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV

SIGNATURE: [signature]

RECEIVED BY: PJM

MACTEC ENGINEERING & CONSULTING, INC.

PAGE 1 OF 1

FIELD DATA RECORD - GROUNDWATER SAMPLING

PROJECT: Gorham | 3650050041.16 | DATE: 4/1/08

WELL ID: MW-230D | START: 13:30 END: 14:40 | BOTTLE TIME: 14:42

SAMPLE ISIS ID: MW230D01

☐ QC SAMPLES COLLECTED | DUPLICATE ID: | MS ID: | MSD ID:

WATER LEVEL / WELL DATA

MEASURED WELL DEPTH	58.7 FT (TOR)	HISTORICAL WELL DEPTH	60 FT (TOR)	PROTECTIVE CASING STICKUP (FROM GROUND)	NA FT	PROTECTIVE CASING / WELL DIFFERENCE	0.26 NA FT
DEPTH TO WATER	23.75 FT (TOR)	SCREEN LENGTH	10 FT	WELL DIAMETER	2 IN	WELL MATERIAL	PVC

HEIGHT OF WATER COLUMN: 34.95 FT x ☒ 0.16 GAL/FT (2 IN) ☐ 0.65 GAL/FT (4 IN) ☐ 1.5 GAL/FT (6 IN) = 5.6 GAL/VOL

TOTAL VOLUME PURGED: 6.7 GAL

Total purge volume = (ml per min.) x time (min.) x 0.00026 gal/ml

AMBIENT AIR: — PPM | WELL MOUTH: 0.0 PPM

PURGE DATA

Pump on @ 13:30 YSI hookup @ 13:45

TIME	DEPTH TO WATER (ft)	PURGE RATE (mL/min)	TEMP. (degrees C)	pH (units)	TURBIDITY (NTU)	SPEC. COND. (uhmos/cm)	D.O. (mg/L)	ORP (mV)	Comments
13:50	23.75	375	14.56	6.27	159	876	1.78	166.5	
14:00	23.75	375	14.52	6.26	94	871	1.44	175.8	
14:10	23.75	375	14.46	6.27	62	875	1.36	180.0	
14:15	23.75	375	14.41	6.28	31	876	1.32	182.1	
14:20	23.75	375	14.43	6.28	25	876	1.33	183.1	
14:25	23.75	375	14.43	6.28	23	878	1.29	184.1	
14:30	23.75	375	14.43	6.28	19	877	1.29	185.1	
14:35	23.75	375	14.44	6.28	18	876	1.25	186.1	
14:40	23.75	375	14.45	6.28	17	876	1.27	187.1	
14:42 - Sampled @ MW230D01									

EQUIPMENT DOCUMENTATION

PURGING: ☒ BLADDER PUMP

SAMPLING: ☒ BLADDER PUMP ☒ PVC/SILICON TUBING

☐ PERISTALTIC PUMP ☐ SUBMERSIBLE PUMP ☐ TEFLON/SILICON TUBING ☐ WATTERA ☐ IN LINE FILTER ☐ PRESS/VAC FILTER

DECON FLUIDS USED: ☒ LIQUINOX ☒ DEIONIZED WATER

☐ METHANOL ☐ POTABLE WATER ☐ HEXANE ☐ NITRIC ACID ☐ NONE- Dedicated Tubing

WATER LEVEL EQUIPMENT USED: ☒ ELECTRIC COND. PROBE

☐ FLOAT ACTIVATED ☐ KECK INTERFACE PROBE ☐ _____

NUMBER OF FILTERS USED: —

ANALYTICAL PARAMETERS

	METHOD NUMBER	FILTERED	PRESERVATION METHOD	VOLUME REQUIRED	SAMPLE COLLECTED	SAMPLE BOTTLE ID NUMBERS
☒ VOC	8260	—	HCl	3x40ml	☒	MW230D /

NOTES AND SAMPLE OBSERVATIONS

Stabilization is considered achieved when three consecutive readings are taken at 3 to 5 min. intervals within the following limits:

Temp. - 3 %; Turbidity 10% > than 1 NTU; DO - 10%; Sp. Cond. - 3%; pH - 0.1 unit; ORP - 10 mV.

SIGNATURE: _____

RECEIVED BY: PJM

Appendix F

ESS Laboratory Analytical Results

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

David Heislein
MACTEC Engineering & Consulting, Inc.
107 Audubon Road
Wakefield, MA 01880

RE: Providence Gorham Site
ESS Laboratory Work Order Number: 0803373

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 Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. 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 mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: April 03, 2008

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 may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

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

Sample Receipt
The following sample(s) were received on March 28, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0803373-01	Ground Water	MW225D01
0803373-02	Ground Water	MW225S01
0803373-03	Ground Water	MW223D01
0803373-04	Ground Water	MW223S01
0803373-05	Ground Water	MW224S01
0803373-06	Ground Water	MW222S01

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0803373

PROJECT NARRATIVE

8260B Volatile Organic Compounds

0803373-03	**pH > 2**
0803373-06	**pH > 2**
BD80210-BSD1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BRD0021-CCV1	**Continuing Calibration recovery is below lower control limit.** 1,4-Dioxane - Screen

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW225D01
Date Sampled: 03/27/08 13:12
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-01
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/02/08
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.2	1	04/02/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/02/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,1-Dichloroethane	ND	mg/L	0.0010		1	04/02/08
1,1-Dichloroethene	ND	mg/L	0.0010	0.007	1	04/02/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/02/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/02/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/02/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/02/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/02/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/02/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/02/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/02/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/02/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/02/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
2-Butanone	ND	mg/L	0.0250		1	04/02/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
2-Hexanone	ND	mg/L	0.0100		1	04/02/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/02/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/02/08
Acetone	ND	mg/L	0.0250		1	04/02/08
Benzene	ND	mg/L	0.0010	0.005	1	04/02/08
Bromobenzene	ND	mg/L	0.0020		1	04/02/08
Bromochloromethane	ND	mg/L	0.0010		1	04/02/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/02/08
Bromoform	ND	mg/L	0.0010		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW225D01
Date Sampled: 03/27/08 13:12
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-01
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/02/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/02/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/02/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/02/08
Chloroethane	ND	mg/L	0.0020		1	04/02/08
Chloroform	ND	mg/L	0.0010		1	04/02/08
Chloromethane	ND	mg/L	0.0020		1	04/02/08
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.07	1	04/02/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/02/08
Dibromomethane	ND	mg/L	0.0010		1	04/02/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/02/08
Diethyl Ether	ND	mg/L	0.0010		1	04/02/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/02/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/02/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/02/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/02/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/02/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/02/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/02/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/02/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/02/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/02/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Styrene	ND	mg/L	0.0010	0.1	1	04/02/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/02/08
Tetrachloroethene	ND	mg/L	0.0010	0.005	1	04/02/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/02/08
Toluene	ND	mg/L	0.0010	1	1	04/02/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/02/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Trichloroethene	**0.0159**	mg/L	0.0010	0.005	1	04/02/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/02/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW225D01
Date Sampled: 03/27/08 13:12
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-01
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/02/08
Xylene O	ND	mg/L	0.0010	10	1	04/02/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/02/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/02/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/02/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW225S01
Date Sampled: 03/27/08 13:56
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-02
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/02/08
1,1,1-Trichloroethane	**0.0609**	mg/L	0.0010	0.2	1	04/02/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/02/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,1-Dichloroethane	**0.0311**	mg/L	0.0010		1	04/02/08
1,1-Dichloroethene	**0.0033**	mg/L	0.0010	0.007	1	04/02/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/02/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/02/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/02/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/02/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/02/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/02/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/02/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/02/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/02/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/02/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
2-Butanone	ND	mg/L	0.0250		1	04/02/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
2-Hexanone	ND	mg/L	0.0100		1	04/02/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/02/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/02/08
Acetone	ND	mg/L	0.0250		1	04/02/08
Benzene	ND	mg/L	0.0010	0.005	1	04/02/08
Bromobenzene	ND	mg/L	0.0020		1	04/02/08
Bromochloromethane	ND	mg/L	0.0010		1	04/02/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/02/08
Bromoform	ND	mg/L	0.0010		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW225S01
Date Sampled: 03/27/08 13:56
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-02
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/02/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/02/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/02/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/02/08
Chloroethane	ND	mg/L	0.0020		1	04/02/08
Chloroform	ND	mg/L	0.0010		1	04/02/08
Chloromethane	ND	mg/L	0.0020		1	04/02/08
cis-1,2-Dichloroethene	**0.0433**	mg/L	0.0010	0.07	1	04/02/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/02/08
Dibromomethane	ND	mg/L	0.0010		1	04/02/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/02/08
Diethyl Ether	ND	mg/L	0.0010		1	04/02/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/02/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/02/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/02/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/02/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/02/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/02/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/02/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/02/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/02/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/02/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Styrene	ND	mg/L	0.0010	0.1	1	04/02/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/02/08
Tetrachloroethene	ND	mg/L	0.0010	0.005	1	04/02/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/02/08
Toluene	ND	mg/L	0.0010	1	1	04/02/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/02/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Trichloroethene	**0.0114**	mg/L	0.0010	0.005	1	04/02/08
Trichlorofluoromethane	**0.0010**	mg/L	0.0010		1	04/02/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW225S01
Date Sampled: 03/27/08 13:56
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-02
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/02/08
Xylene O	ND	mg/L	0.0010	10	1	04/02/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/02/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/02/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/02/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*107 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*102 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW223D01
Date Sampled: 03/27/08 14:55
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-03
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/02/08
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.2	1	04/02/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/02/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,1-Dichloroethane	ND	mg/L	0.0010		1	04/02/08
1,1-Dichloroethene	ND	mg/L	0.0010	0.007	1	04/02/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/02/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/02/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/02/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/02/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/02/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/02/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/02/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/02/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/02/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/02/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
2-Butanone	ND	mg/L	0.0250		1	04/02/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
2-Hexanone	ND	mg/L	0.0100		1	04/02/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/02/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/02/08
Acetone	ND	mg/L	0.0250		1	04/02/08
Benzene	ND	mg/L	0.0010	0.005	1	04/02/08
Bromobenzene	ND	mg/L	0.0020		1	04/02/08
Bromochloromethane	ND	mg/L	0.0010		1	04/02/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/02/08
Bromoform	ND	mg/L	0.0010		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW223D01
Date Sampled: 03/27/08 14:55
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-03
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/02/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/02/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/02/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/02/08
Chloroethane	ND	mg/L	0.0020		1	04/02/08
Chloroform	ND	mg/L	0.0010		1	04/02/08
Chloromethane	ND	mg/L	0.0020		1	04/02/08
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.07	1	04/02/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/02/08
Dibromomethane	ND	mg/L	0.0010		1	04/02/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/02/08
Diethyl Ether	ND	mg/L	0.0010		1	04/02/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/02/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/02/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/02/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/02/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/02/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/02/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/02/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/02/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/02/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/02/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Styrene	ND	mg/L	0.0010	0.1	1	04/02/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/02/08
Tetrachloroethene	ND	mg/L	0.0010	0.005	1	04/02/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/02/08
Toluene	ND	mg/L	0.0010	1	1	04/02/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/02/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Trichloroethene	ND	mg/L	0.0010	0.005	1	04/02/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/02/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW223D01
Date Sampled: 03/27/08 14:55
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-03
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/02/08
Xylene O	ND	mg/L	0.0010	10	1	04/02/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/02/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/02/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/02/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*111 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*102 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW223S01
Date Sampled: 03/27/08 15:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-04
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/02/08
1,1,1-Trichloroethane	**0.0220**	mg/L	0.0010	0.2	1	04/02/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/02/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,1-Dichloroethane	**0.0012**	mg/L	0.0010		1	04/02/08
1,1-Dichloroethene	ND	mg/L	0.0010	0.007	1	04/02/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/02/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/02/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/02/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/02/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/02/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/02/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/02/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/02/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/02/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/02/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/02/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/02/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/02/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/02/08
2-Butanone	ND	mg/L	0.0250		1	04/02/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
2-Hexanone	ND	mg/L	0.0100		1	04/02/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/02/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/02/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/02/08
Acetone	ND	mg/L	0.0250		1	04/02/08
Benzene	ND	mg/L	0.0010	0.005	1	04/02/08
Bromobenzene	ND	mg/L	0.0020		1	04/02/08
Bromochloromethane	ND	mg/L	0.0010		1	04/02/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/02/08
Bromoform	ND	mg/L	0.0010		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW223S01
Date Sampled: 03/27/08 15:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-04
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/02/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/02/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/02/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/02/08
Chloroethane	ND	mg/L	0.0020		1	04/02/08
Chloroform	ND	mg/L	0.0010		1	04/02/08
Chloromethane	ND	mg/L	0.0020		1	04/02/08
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.07	1	04/02/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/02/08
Dibromomethane	ND	mg/L	0.0010		1	04/02/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/02/08
Diethyl Ether	ND	mg/L	0.0010		1	04/02/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/02/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/02/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/02/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/02/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/02/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/02/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/02/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/02/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/02/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/02/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Styrene	ND	mg/L	0.0010	0.1	1	04/02/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/02/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/02/08
Tetrachloroethene	ND	mg/L	0.0010	0.005	1	04/02/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/02/08
Toluene	ND	mg/L	0.0010	1	1	04/02/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/02/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/02/08
Trichloroethene	**0.0027**	mg/L	0.0010	0.005	1	04/02/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/02/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/02/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW223S01
Date Sampled: 03/27/08 15:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-04
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/02/08
Xylene O	ND	mg/L	0.0010	10	1	04/02/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/02/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/02/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/02/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*110 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW224S01
Date Sampled: 03/28/08 09:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-05
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.100		100	04/01/08
1,1,1-Trichloroethane	**17.8**	mg/L	0.500	0.2	500	04/02/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0500		100	04/01/08
1,1,2-Trichloroethane	ND	mg/L	0.100	0.005	100	04/01/08
1,1-Dichloroethane	**0.577**	mg/L	0.100		100	04/01/08
1,1-Dichloroethene	**0.447**	mg/L	0.100	0.007	100	04/01/08
1,1-Dichloropropene	ND	mg/L	0.200		100	04/01/08
1,2,3-Trichlorobenzene	ND	mg/L	0.100		100	04/01/08
1,2,3-Trichloropropane	ND	mg/L	0.100		100	04/01/08
1,2,4-Trichlorobenzene	ND	mg/L	0.100	0.07	100	04/01/08
1,2,4-Trimethylbenzene	ND	mg/L	0.100		100	04/01/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.500	0.0002	100	04/01/08
1,2-Dibromoethane	ND	mg/L	0.100	0.00005	100	04/01/08
1,2-Dichlorobenzene	ND	mg/L	0.100	0.6	100	04/01/08
1,2-Dichloroethane	ND	mg/L	0.100	0.005	100	04/01/08
1,2-Dichloropropane	ND	mg/L	0.100	0.005	100	04/01/08
1,3,5-Trimethylbenzene	ND	mg/L	0.100		100	04/01/08
1,3-Dichlorobenzene	ND	mg/L	0.100	0.6	100	04/01/08
1,3-Dichloropropane	ND	mg/L	0.100		100	04/01/08
1,4-Dichlorobenzene	ND	mg/L	0.100	0.075	100	04/01/08
1,4-Dioxane - Screen	ND	mg/L	50.0		100	04/01/08
1-Chlorohexane	ND	mg/L	0.100		100	04/01/08
2,2-Dichloropropane	ND	mg/L	0.100		100	04/01/08
2-Butanone	ND	mg/L	2.50		100	04/01/08
2-Chlorotoluene	ND	mg/L	0.100		100	04/01/08
2-Hexanone	ND	mg/L	1.00		100	04/01/08
4-Chlorotoluene	ND	mg/L	0.100		100	04/01/08
4-Isopropyltoluene	ND	mg/L	0.100		100	04/01/08
4-Methyl-2-Pentanone	ND	mg/L	2.50		100	04/01/08
Acetone	ND	mg/L	2.50		100	04/01/08
Benzene	ND	mg/L	0.100	0.005	100	04/01/08
Bromobenzene	ND	mg/L	0.200		100	04/01/08
Bromochloromethane	ND	mg/L	0.100		100	04/01/08
Bromodichloromethane	ND	mg/L	0.0600		100	04/01/08
Bromoform	ND	mg/L	0.100		100	04/01/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW224S01
Date Sampled: 03/28/08 09:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-05
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.200		100	04/01/08
Carbon Disulfide	ND	mg/L	0.100		100	04/01/08
Carbon Tetrachloride	ND	mg/L	0.100	0.005	100	04/01/08
Chlorobenzene	ND	mg/L	0.100	0.1	100	04/01/08
Chloroethane	ND	mg/L	0.200		100	04/01/08
Chloroform	ND	mg/L	0.100		100	04/01/08
Chloromethane	ND	mg/L	0.200		100	04/01/08
cis-1,2-Dichloroethene	**0.244**	mg/L	0.100	0.07	100	04/01/08
cis-1,3-Dichloropropene	ND	mg/L	0.0400		100	04/01/08
Dibromochloromethane	ND	mg/L	0.100		100	04/01/08
Dibromomethane	ND	mg/L	0.100		100	04/01/08
Dichlorodifluoromethane	ND	mg/L	0.200		100	04/01/08
Diethyl Ether	ND	mg/L	0.100		100	04/01/08
Di-isopropyl ether	ND	mg/L	0.100		100	04/01/08
Ethyl tertiary-butyl ether	ND	mg/L	0.100		100	04/01/08
Ethylbenzene	ND	mg/L	0.100	0.7	100	04/01/08
Hexachlorobutadiene	ND	mg/L	0.0600		100	04/01/08
Hexachloroethane	ND	mg/L	0.100	1	100	04/01/08
Isopropylbenzene	ND	mg/L	0.100		100	04/01/08
Methyl tert-Butyl Ether	ND	mg/L	0.100	0.04	100	04/01/08
Methylene Chloride	ND	mg/L	0.400	0.005	100	04/01/08
Naphthalene	ND	mg/L	0.100	0.02	100	04/01/08
n-Butylbenzene	ND	mg/L	0.100		100	04/01/08
n-Propylbenzene	ND	mg/L	0.100		100	04/01/08
sec-Butylbenzene	ND	mg/L	0.100		100	04/01/08
Styrene	ND	mg/L	0.100	0.1	100	04/01/08
tert-Butylbenzene	ND	mg/L	0.100		100	04/01/08
Tertiary-amyl methyl ether	ND	mg/L	0.100		100	04/01/08
Tetrachloroethene	ND	mg/L	0.100	0.005	100	04/01/08
Tetrahydrofuran	ND	mg/L	0.500		100	04/01/08
Toluene	ND	mg/L	0.100	1	100	04/01/08
trans-1,2-Dichloroethene	ND	mg/L	0.100	0.1	100	04/01/08
trans-1,3-Dichloropropene	ND	mg/L	0.0400		100	04/01/08
Trichloroethene	**6.44**	mg/L	0.100	0.005	100	04/01/08
Trichlorofluoromethane	ND	mg/L	0.100		100	04/01/08
Vinyl Acetate	ND	mg/L	0.500		100	04/01/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW224S01
Date Sampled: 03/28/08 09:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-05
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.100	0.002	100	04/01/08
Xylene O	ND	mg/L	0.100	10	100	04/01/08
Xylene P,M	ND	mg/L	0.200	10	100	04/01/08
Xylenes (Total)	ND	mg/L	0.300	10	100	04/01/08
Trihalomethanes (Total)	ND	mg/L	0.360	0.1		04/01/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*106 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW222S01
Date Sampled: 03/28/08 14:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-06
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.100		100	04/01/08
1,1,1-Trichloroethane	**4.55**	mg/L	0.100	0.2	100	04/01/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0500		100	04/01/08
1,1,2-Trichloroethane	ND	mg/L	0.100	0.005	100	04/01/08
1,1-Dichloroethane	**0.270**	mg/L	0.100		100	04/01/08
1,1-Dichloroethene	**0.139**	mg/L	0.100	0.007	100	04/01/08
1,1-Dichloropropene	ND	mg/L	0.200		100	04/01/08
1,2,3-Trichlorobenzene	ND	mg/L	0.100		100	04/01/08
1,2,3-Trichloropropane	ND	mg/L	0.100		100	04/01/08
1,2,4-Trichlorobenzene	ND	mg/L	0.100	0.07	100	04/01/08
1,2,4-Trimethylbenzene	ND	mg/L	0.100		100	04/01/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.500	0.0002	100	04/01/08
1,2-Dibromoethane	ND	mg/L	0.100	0.00005	100	04/01/08
1,2-Dichlorobenzene	ND	mg/L	0.100	0.6	100	04/01/08
1,2-Dichloroethane	ND	mg/L	0.100	0.005	100	04/01/08
1,2-Dichloropropane	ND	mg/L	0.100	0.005	100	04/01/08
1,3,5-Trimethylbenzene	ND	mg/L	0.100		100	04/01/08
1,3-Dichlorobenzene	ND	mg/L	0.100	0.6	100	04/01/08
1,3-Dichloropropane	ND	mg/L	0.100		100	04/01/08
1,4-Dichlorobenzene	ND	mg/L	0.100	0.075	100	04/01/08
1,4-Dioxane - Screen	ND	mg/L	50.0		100	04/01/08
1-Chlorohexane	ND	mg/L	0.100		100	04/01/08
2,2-Dichloropropane	ND	mg/L	0.100		100	04/01/08
2-Butanone	ND	mg/L	2.50		100	04/01/08
2-Chlorotoluene	ND	mg/L	0.100		100	04/01/08
2-Hexanone	ND	mg/L	1.00		100	04/01/08
4-Chlorotoluene	ND	mg/L	0.100		100	04/01/08
4-Isopropyltoluene	ND	mg/L	0.100		100	04/01/08
4-Methyl-2-Pentanone	ND	mg/L	2.50		100	04/01/08
Acetone	ND	mg/L	2.50		100	04/01/08
Benzene	ND	mg/L	0.100	0.005	100	04/01/08
Bromobenzene	ND	mg/L	0.200		100	04/01/08
Bromochloromethane	ND	mg/L	0.100		100	04/01/08
Bromodichloromethane	ND	mg/L	0.0600		100	04/01/08
Bromoform	ND	mg/L	0.100		100	04/01/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW222S01
Date Sampled: 03/28/08 14:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-06
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.200		100	04/01/08
Carbon Disulfide	ND	mg/L	0.100		100	04/01/08
Carbon Tetrachloride	ND	mg/L	0.100	0.005	100	04/01/08
Chlorobenzene	ND	mg/L	0.100	0.1	100	04/01/08
Chloroethane	ND	mg/L	0.200		100	04/01/08
Chloroform	ND	mg/L	0.100		100	04/01/08
Chloromethane	ND	mg/L	0.200		100	04/01/08
cis-1,2-Dichloroethene	ND	mg/L	0.100	0.07	100	04/01/08
cis-1,3-Dichloropropene	ND	mg/L	0.0400		100	04/01/08
Dibromochloromethane	ND	mg/L	0.100		100	04/01/08
Dibromomethane	ND	mg/L	0.100		100	04/01/08
Dichlorodifluoromethane	ND	mg/L	0.200		100	04/01/08
Diethyl Ether	ND	mg/L	0.100		100	04/01/08
Di-isopropyl ether	ND	mg/L	0.100		100	04/01/08
Ethyl tertiary-butyl ether	ND	mg/L	0.100		100	04/01/08
Ethylbenzene	ND	mg/L	0.100	0.7	100	04/01/08
Hexachlorobutadiene	ND	mg/L	0.0600		100	04/01/08
Hexachloroethane	ND	mg/L	0.100	1	100	04/01/08
Isopropylbenzene	ND	mg/L	0.100		100	04/01/08
Methyl tert-Butyl Ether	ND	mg/L	0.100	0.04	100	04/01/08
Methylene Chloride	ND	mg/L	0.400	0.005	100	04/01/08
Naphthalene	ND	mg/L	0.100	0.02	100	04/01/08
n-Butylbenzene	ND	mg/L	0.100		100	04/01/08
n-Propylbenzene	ND	mg/L	0.100		100	04/01/08
sec-Butylbenzene	ND	mg/L	0.100		100	04/01/08
Styrene	ND	mg/L	0.100	0.1	100	04/01/08
tert-Butylbenzene	ND	mg/L	0.100		100	04/01/08
Tertiary-amyl methyl ether	ND	mg/L	0.100		100	04/01/08
Tetrachloroethene	ND	mg/L	0.100	0.005	100	04/01/08
Tetrahydrofuran	ND	mg/L	0.500		100	04/01/08
Toluene	ND	mg/L	0.100	1	100	04/01/08
trans-1,2-Dichloroethene	ND	mg/L	0.100	0.1	100	04/01/08
trans-1,3-Dichloropropene	ND	mg/L	0.0400		100	04/01/08
Trichloroethene	**2.07**	mg/L	0.100	0.005	100	04/01/08
Trichlorofluoromethane	ND	mg/L	0.100		100	04/01/08
Vinyl Acetate	ND	mg/L	0.500		100	04/01/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW222S01
Date Sampled: 03/28/08 14:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0803373
ESS Laboratory Sample ID: 0803373-06
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.100	0.002	100	04/01/08
Xylene O	ND	mg/L	0.100	10	100	04/01/08
Xylene P,M	ND	mg/L	0.200	10	100	04/01/08
Xylenes (Total)	ND	mg/L	0.300	10	100	04/01/08
Trihalomethanes (Total)	ND	mg/L	0.360	0.1		04/01/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*105 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*99 %*		*70-130*
Surrogate: Dibromofluoromethane	*99 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80109 - 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	0.0250	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	0.0250	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							
Dibromochloromethane	ND	0.0010	mg/L							

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80109 - 5030B										
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	0.0040	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	*25.0*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.0*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*24.4*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		ug/L	*25.00*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	9.60		ug/L	10.00		96	70-130			
1,1,1-Trichloroethane	9.78		ug/L	10.00		98	70-130			
1,1,2,2-Tetrachloroethane	9.85		ug/L	10.00		98	70-130			
1,1,2-Trichloroethane	9.66		ug/L	10.00		97	70-130			
1,1-Dichloroethane	9.83		ug/L	10.00		98	70-130			
1,1-Dichloroethene	10.9		ug/L	10.00		109	70-130			
1,1-Dichloropropene	9.90		ug/L	10.00		99	70-130			
1,2,3-Trichlorobenzene	10.6		ug/L	10.00		106	70-130			
1,2,3-Trichloropropane	9.33		ug/L	10.00		93	70-130			
1,2,4-Trichlorobenzene	10.3		ug/L	10.00		103	70-130			
1,2,4-Trimethylbenzene	9.84		ug/L	10.00		98	70-130			
1,2-Dibromo-3-Chloropropane	9.03		ug/L	10.00		90	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80109 - 5030B										
1,2-Dibromoethane	9.34		ug/L	10.00		93	70-130			
1,2-Dichlorobenzene	9.81		ug/L	10.00		98	70-130			
1,2-Dichloroethane	9.56		ug/L	10.00		96	70-130			
1,2-Dichloropropane	9.75		ug/L	10.00		98	70-130			
1,3,5-Trimethylbenzene	9.41		ug/L	10.00		94	70-130			
1,3-Dichlorobenzene	10.0		ug/L	10.00		100	70-130			
1,3-Dichloropropane	9.55		ug/L	10.00		96	70-130			
1,4-Dichlorobenzene	9.67		ug/L	10.00		97	70-130			
1,4-Dioxane - Screen	217		ug/L	200.0		108	0-332			
1-Chlorohexane	9.94		ug/L	10.00		99	70-130			
2,2-Dichloropropane	9.78		ug/L	10.00		98	70-130			
2-Butanone	49.4		ug/L	50.00		99	70-130			
2-Chlorotoluene	9.96		ug/L	10.00		100	70-130			
2-Hexanone	50.6		ug/L	50.00		101	70-130			
4-Chlorotoluene	9.96		ug/L	10.00		100	70-130			
4-Isopropyltoluene	9.46		ug/L	10.00		95	70-130			
4-Methyl-2-Pentanone	48.8		ug/L	50.00		98	70-130			
Acetone	55.4		ug/L	50.00		111	70-130			
Benzene	9.79		ug/L	10.00		98	70-130			
Bromobenzene	9.73		ug/L	10.00		97	70-130			
Bromochloromethane	9.63		ug/L	10.00		96	70-130			
Bromodichloromethane	11.1		ug/L	10.00		111	70-130			
Bromoform	9.87		ug/L	10.00		99	70-130			
Bromomethane	10.5		ug/L	10.00		105	70-130			
Carbon Disulfide	10.8		ug/L	10.00		108	70-130			
Carbon Tetrachloride	9.52		ug/L	10.00		95	70-130			
Chlorobenzene	9.80		ug/L	10.00		98	70-130			
Chloroethane	10.4		ug/L	10.00		104	70-130			
Chloroform	9.84		ug/L	10.00		98	70-130			
Chloromethane	9.67		ug/L	10.00		97	70-130			
cis-1,2-Dichloroethene	10.7		ug/L	10.00		107	70-130			
cis-1,3-Dichloropropene	10.0		ug/L	10.00		100	70-130			
Dibromochloromethane	9.87		ug/L	10.00		99	70-130			
Dibromomethane	9.48		ug/L	10.00		95	70-130			
Dichlorodifluoromethane	8.87		ug/L	10.00		89	70-130			
Diethyl Ether	10.3		ug/L	10.00		103	70-130			
Di-isopropyl ether	10.1		ug/L	10.00		101	70-130			
Ethyl tertiary-butyl ether	9.89		ug/L	10.00		99	70-130			
Ethylbenzene	9.71		ug/L	10.00		97	70-130			
Hexachlorobutadiene	10.9		ug/L	10.00		109	70-130			
Hexachloroethane	10.2		ug/L	10.00		102	70-130			
Isopropylbenzene	8.74		ug/L	10.00		87	70-130			
Methyl tert-Butyl Ether	10.3		ug/L	10.00		103	70-130			
Methylene Chloride	10.4		ug/L	10.00		104	70-130			
Naphthalene	10.6		ug/L	10.00		106	70-130			
n-Butylbenzene	9.95		ug/L	10.00		100	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80109 - 5030B										
n-Propylbenzene	9.79		ug/L	10.00		98	70-130			
sec-Butylbenzene	9.81		ug/L	10.00		98	70-130			
Styrene	9.36		ug/L	10.00		94	70-130			
tert-Butylbenzene	9.75		ug/L	10.00		98	70-130			
Tertiary-amyl methyl ether	10.1		ug/L	10.00		101	70-130			
Tetrachloroethene	9.05		ug/L	10.00		90	70-130			
Tetrahydrofuran	9.47		ug/L	10.00		95	70-130			
Toluene	9.68		ug/L	10.00		97	70-130			
trans-1,2-Dichloroethene	10.6		ug/L	10.00		106	70-130			
trans-1,3-Dichloropropene	8.59		ug/L	10.00		86	70-130			
Trichloroethene	9.82		ug/L	10.00		98	70-130			
Trichlorofluoromethane	9.34		ug/L	10.00		93	70-130			
Vinyl Acetate	9.71		ug/L	10.00		97	70-130			
Vinyl Chloride	11.8		ug/L	10.00		118	70-130			
Xylene O	9.60		ug/L	10.00		96	70-130			
Xylene P,M	19.5		ug/L	20.00		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.5*		ug/L	*25.00*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.0*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Dibromofluoromethane	*25.2*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*25.1*		ug/L	*25.00*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	9.79		ug/L	10.00		98	70-130	2	20	
1,1,1-Trichloroethane	9.99		ug/L	10.00		100	70-130	2	20	
1,1,2,2-Tetrachloroethane	10.2		ug/L	10.00		102	70-130	4	20	
1,1,2-Trichloroethane	10.2		ug/L	10.00		102	70-130	6	20	
1,1-Dichloroethane	10.1		ug/L	10.00		101	70-130	3	20	
1,1-Dichloroethene	11.5		ug/L	10.00		115	70-130	5	20	
1,1-Dichloropropene	10.3		ug/L	10.00		103	70-130	4	20	
1,2,3-Trichlorobenzene	11.1		ug/L	10.00		111	70-130	4	20	
1,2,3-Trichloropropane	10.0		ug/L	10.00		100	70-130	7	20	
1,2,4-Trichlorobenzene	10.8		ug/L	10.00		108	70-130	5	20	
1,2,4-Trimethylbenzene	10.4		ug/L	10.00		104	70-130	6	20	
1,2-Dibromo-3-Chloropropane	9.54		ug/L	10.00		95	70-130	5	20	
1,2-Dibromoethane	10.2		ug/L	10.00		102	70-130	8	20	
1,2-Dichlorobenzene	10.4		ug/L	10.00		104	70-130	6	20	
1,2-Dichloroethane	10.1		ug/L	10.00		101	70-130	6	20	
1,2-Dichloropropane	10.1		ug/L	10.00		101	70-130	3	20	
1,3,5-Trimethylbenzene	10.2		ug/L	10.00		102	70-130	8	20	
1,3-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	3	20	
1,3-Dichloropropane	10.5		ug/L	10.00		105	70-130	9	20	
1,4-Dichlorobenzene	10.1		ug/L	10.00		101	70-130	4	20	
1,4-Dioxane - Screen	218		ug/L	200.0		109	0-332	0.8	200	
1-Chlorohexane	10.6		ug/L	10.00		106	70-130	7	20	
2,2-Dichloropropane	10.2		ug/L	10.00		102	70-130	4	20	
2-Butanone	51.2		ug/L	50.00		102	70-130	4	20	
2-Chlorotoluene	10.4		ug/L	10.00		104	70-130	4	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80109 - 5030B										
2-Hexanone	52.5		ug/L	50.00		105	70-130	4	20	
4-Chlorotoluene	10.1		ug/L	10.00		101	70-130	1	20	
4-Isopropyltoluene	9.99		ug/L	10.00		100	70-130	5	20	
4-Methyl-2-Pentanone	50.9		ug/L	50.00		102	70-130	4	20	
Acetone	58.4		ug/L	50.00		117	70-130	5	20	
Benzene	10.1		ug/L	10.00		101	70-130	3	20	
Bromobenzene	10.2		ug/L	10.00		102	70-130	5	20	
Bromochloromethane	9.87		ug/L	10.00		99	70-130	2	20	
Bromodichloromethane	11.5		ug/L	10.00		115	70-130	4	20	
Bromoform	10.1		ug/L	10.00		101	70-130	2	20	
Bromomethane	10.4		ug/L	10.00		104	70-130	1	20	
Carbon Disulfide	11.2		ug/L	10.00		112	70-130	4	20	
Carbon Tetrachloride	9.76		ug/L	10.00		98	70-130	2	20	
Chlorobenzene	10.2		ug/L	10.00		102	70-130	4	20	
Chloroethane	10.6		ug/L	10.00		106	70-130	2	20	
Chloroform	10.1		ug/L	10.00		101	70-130	3	20	
Chloromethane	10.2		ug/L	10.00		102	70-130	6	20	
cis-1,2-Dichloroethene	11.0		ug/L	10.00		110	70-130	2	20	
cis-1,3-Dichloropropene	10.5		ug/L	10.00		105	70-130	5	20	
Dibromochloromethane	10.3		ug/L	10.00		103	70-130	5	20	
Dibromomethane	10.1		ug/L	10.00		101	70-130	6	20	
Dichlorodifluoromethane	9.19		ug/L	10.00		92	70-130	4	20	
Diethyl Ether	10.6		ug/L	10.00		106	70-130	3	20	
Di-isopropyl ether	10.5		ug/L	10.00		105	70-130	5	20	
Ethyl tertiary-butyl ether	10.2		ug/L	10.00		102	70-130	3	20	
Ethylbenzene	10.4		ug/L	10.00		104	70-130	7	20	
Hexachlorobutadiene	11.4		ug/L	10.00		114	70-130	4	20	
Hexachloroethane	10.4		ug/L	10.00		104	70-130	2	20	
Isopropylbenzene	9.22		ug/L	10.00		92	70-130	5	20	
Methyl tert-Butyl Ether	10.8		ug/L	10.00		108	70-130	4	20	
Methylene Chloride	10.8		ug/L	10.00		108	70-130	4	20	
Naphthalene	11.1		ug/L	10.00		111	70-130	4	20	
n-Butylbenzene	10.5		ug/L	10.00		105	70-130	6	20	
n-Propylbenzene	10.4		ug/L	10.00		104	70-130	7	20	
sec-Butylbenzene	10.3		ug/L	10.00		103	70-130	5	20	
Styrene	9.73		ug/L	10.00		97	70-130	4	20	
tert-Butylbenzene	10.3		ug/L	10.00		103	70-130	6	20	
Tertiary-amyl methyl ether	10.5		ug/L	10.00		105	70-130	5	20	
Tetrachloroethene	9.81		ug/L	10.00		98	70-130	8	20	
Tetrahydrofuran	9.85		ug/L	10.00		98	70-130	4	20	
Toluene	10.4		ug/L	10.00		104	70-130	7	20	
trans-1,2-Dichloroethene	10.9		ug/L	10.00		109	70-130	3	20	
trans-1,3-Dichloropropene	8.97		ug/L	10.00		90	70-130	4	20	
Trichloroethene	10.2		ug/L	10.00		102	70-130	4	20	
Trichlorofluoromethane	9.65		ug/L	10.00		96	70-130	3	20	
Vinyl Acetate	10.1		ug/L	10.00		101	70-130	4	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80109 - 5030B										
Vinyl Chloride	12.5		ug/L	10.00		125	70-130	6	20	
Xylene O	10.1		ug/L	10.00		101	70-130	5	20	
Xylene P,M	20.6		ug/L	20.00		103	70-130	6	20	
Surrogate: 1,2-Dichloroethane-d4	*25.0*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.2*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*25.3*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*25.5*		ug/L	*25.00*		*102*	*70-130*			
Batch BD80210 - 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	0.0250	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	0.0250	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							

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80210 - 5030B										
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	0.0040	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	*26.4*		ug/L	*25.00*		*106*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.7*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*25.1*		ug/L	*25.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*24.7*		ug/L	*25.00*		*99*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	9.84		ug/L	10.00		98	70-130			
1,1,1-Trichloroethane	9.77		ug/L	10.00		98	70-130			
1,1,2,2-Tetrachloroethane	9.94		ug/L	10.00		99	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80210 - 5030B										
1,1,2-Trichloroethane	9.93		ug/L	10.00		99	70-130			
1,1-Dichloroethane	10.2		ug/L	10.00		102	70-130			
1,1-Dichloroethene	10.9		ug/L	10.00		109	70-130			
1,1-Dichloropropene	10.0		ug/L	10.00		100	70-130			
1,2,3-Trichlorobenzene	9.30		ug/L	10.00		93	70-130			
1,2,3-Trichloropropane	9.56		ug/L	10.00		96	70-130			
1,2,4-Trichlorobenzene	9.48		ug/L	10.00		95	70-130			
1,2,4-Trimethylbenzene	9.78		ug/L	10.00		98	70-130			
1,2-Dibromo-3-Chloropropane	8.99		ug/L	10.00		90	70-130			
1,2-Dibromoethane	9.67		ug/L	10.00		97	70-130			
1,2-Dichlorobenzene	9.91		ug/L	10.00		99	70-130			
1,2-Dichloroethane	10.8		ug/L	10.00		108	70-130			
1,2-Dichloropropane	9.98		ug/L	10.00		100	70-130			
1,3,5-Trimethylbenzene	9.61		ug/L	10.00		96	70-130			
1,3-Dichlorobenzene	10.1		ug/L	10.00		101	70-130			
1,3-Dichloropropane	9.78		ug/L	10.00		98	70-130			
1,4-Dichlorobenzene	9.79		ug/L	10.00		98	70-130			
1,4-Dioxane - Screen	102		ug/L	200.0		51	0-332			
1-Chlorohexane	9.56		ug/L	10.00		96	70-130			
2,2-Dichloropropane	10.2		ug/L	10.00		102	70-130			
2-Butanone	50.7		ug/L	50.00		101	70-130			
2-Chlorotoluene	9.75		ug/L	10.00		98	70-130			
2-Hexanone	47.1		ug/L	50.00		94	70-130			
4-Chlorotoluene	9.63		ug/L	10.00		96	70-130			
4-Isopropyltoluene	9.33		ug/L	10.00		93	70-130			
4-Methyl-2-Pentanone	49.4		ug/L	50.00		99	70-130			
Acetone	58.2		ug/L	50.00		116	70-130			
Benzene	9.73		ug/L	10.00		97	70-130			
Bromobenzene	9.75		ug/L	10.00		98	70-130			
Bromochloromethane	9.89		ug/L	10.00		99	70-130			
Bromodichloromethane	11.4		ug/L	10.00		114	70-130			
Bromoform	9.59		ug/L	10.00		96	70-130			
Bromomethane	9.74		ug/L	10.00		97	70-130			
Carbon Disulfide	10.7		ug/L	10.00		107	70-130			
Carbon Tetrachloride	10.0		ug/L	10.00		100	70-130			
Chlorobenzene	9.97		ug/L	10.00		100	70-130			
Chloroethane	10.8		ug/L	10.00		108	70-130			
Chloroform	10.2		ug/L	10.00		102	70-130			
Chloromethane	10.4		ug/L	10.00		104	70-130			
cis-1,2-Dichloroethene	10.6		ug/L	10.00		106	70-130			
cis-1,3-Dichloropropene	10.2		ug/L	10.00		102	70-130			
Dibromochloromethane	10.1		ug/L	10.00		101	70-130			
Dibromomethane	9.87		ug/L	10.00		99	70-130			
Dichlorodifluoromethane	9.09		ug/L	10.00		91	70-130			
Diethyl Ether	10.5		ug/L	10.00		105	70-130			
Di-isopropyl ether	9.69		ug/L	10.00		97	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80210 - 5030B										
Ethyl tertiary-butyl ether	10.2		ug/L	10.00		102	70-130			
Ethylbenzene	9.58		ug/L	10.00		96	70-130			
Hexachlorobutadiene	9.77		ug/L	10.00		98	70-130			
Hexachloroethane	10.1		ug/L	10.00		101	70-130			
Isopropylbenzene	8.75		ug/L	10.00		88	70-130			
Methyl tert-Butyl Ether	10.5		ug/L	10.00		105	70-130			
Methylene Chloride	10.4		ug/L	10.00		104	70-130			
Naphthalene	9.55		ug/L	10.00		96	70-130			
n-Butylbenzene	9.35		ug/L	10.00		94	70-130			
n-Propylbenzene	9.76		ug/L	10.00		98	70-130			
sec-Butylbenzene	9.62		ug/L	10.00		96	70-130			
Styrene	9.40		ug/L	10.00		94	70-130			
tert-Butylbenzene	9.83		ug/L	10.00		98	70-130			
Tertiary-amyl methyl ether	10.3		ug/L	10.00		103	70-130			
Tetrachloroethene	9.30		ug/L	10.00		93	70-130			
Tetrahydrofuran	8.70		ug/L	10.00		87	70-130			
Toluene	9.79		ug/L	10.00		98	70-130			
trans-1,2-Dichloroethene	10.3		ug/L	10.00		103	70-130			
trans-1,3-Dichloropropene	8.75		ug/L	10.00		88	70-130			
Trichloroethene	9.81		ug/L	10.00		98	70-130			
Trichlorofluoromethane	9.78		ug/L	10.00		98	70-130			
Vinyl Acetate	9.42		ug/L	10.00		94	70-130			
Vinyl Chloride	13.0		ug/L	10.00		130	70-130			
Xylene O	9.84		ug/L	10.00		98	70-130			
Xylene P,M	19.5		ug/L	20.00		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.5*		ug/L	*25.00*		*110*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.3*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*26.4*		ug/L	*25.00*		*106*	*70-130*			
Surrogate: Toluene-d8	*25.0*		ug/L	*25.00*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.00		103	70-130	5	20	
1,1,1-Trichloroethane	10.5		ug/L	10.00		105	70-130	7	20	
1,1,2,2-Tetrachloroethane	10.6		ug/L	10.00		106	70-130	6	20	
1,1,2-Trichloroethane	10.7		ug/L	10.00		107	70-130	8	20	
1,1-Dichloroethane	10.6		ug/L	10.00		106	70-130	5	20	
1,1-Dichloroethene	11.6		ug/L	10.00		116	70-130	6	20	
1,1-Dichloropropene	10.5		ug/L	10.00		105	70-130	4	20	
1,2,3-Trichlorobenzene	10.4		ug/L	10.00		104	70-130	11	20	
1,2,3-Trichloropropane	10.0		ug/L	10.00		100	70-130	5	20	
1,2,4-Trichlorobenzene	10.3		ug/L	10.00		103	70-130	9	20	
1,2,4-Trimethylbenzene	10.4		ug/L	10.00		104	70-130	6	20	
1,2-Dibromo-3-Chloropropane	10.4		ug/L	10.00		104	70-130	14	20	
1,2-Dibromoethane	10.3		ug/L	10.00		103	70-130	7	20	
1,2-Dichlorobenzene	10.5		ug/L	10.00		105	70-130	6	20	
1,2-Dichloroethane	11.3		ug/L	10.00		113	70-130	5	20	
1,2-Dichloropropane	10.6		ug/L	10.00		106	70-130	6	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

8260B Volatile Organic Compounds

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BD80210 - 5030B										
1,3,5-Trimethylbenzene	10.1		ug/L	10.00		101	70-130	5	20	
1,3-Dichlorobenzene	10.6		ug/L	10.00		106	70-130	5	20	
1,3-Dichloropropane	10.3		ug/L	10.00		103	70-130	5	20	
1,4-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	5	20	
1,4-Dioxane - Screen	197		ug/L	200.0		99	0-332	64	200	
1-Chlorohexane	10.3		ug/L	10.00		103	70-130	7	20	
2,2-Dichloropropane	10.7		ug/L	10.00		107	70-130	5	20	
2-Butanone	52.5		ug/L	50.00		105	70-130	3	20	
2-Chlorotoluene	10.4		ug/L	10.00		104	70-130	7	20	
2-Hexanone	52.0		ug/L	50.00		104	70-130	10	20	
4-Chlorotoluene	10.1		ug/L	10.00		101	70-130	5	20	
4-Isopropyltoluene	9.96		ug/L	10.00		100	70-130	7	20	
4-Methyl-2-Pentanone	51.8		ug/L	50.00		104	70-130	5	20	
Acetone	57.1		ug/L	50.00		114	70-130	2	20	
Benzene	10.1		ug/L	10.00		101	70-130	4	20	
Bromobenzene	10.3		ug/L	10.00		103	70-130	5	20	
Bromochloromethane	10.5		ug/L	10.00		105	70-130	6	20	
Bromodichloromethane	12.0		ug/L	10.00		120	70-130	6	20	
Bromoform	10.3		ug/L	10.00		103	70-130	7	20	
Bromomethane	10.5		ug/L	10.00		105	70-130	7	20	
Carbon Disulfide	11.2		ug/L	10.00		112	70-130	5	20	
Carbon Tetrachloride	10.8		ug/L	10.00		108	70-130	7	20	
Chlorobenzene	10.3		ug/L	10.00		103	70-130	4	20	
Chloroethane	11.6		ug/L	10.00		116	70-130	7	20	
Chloroform	10.3		ug/L	10.00		103	70-130	1	20	
Chloromethane	11.0		ug/L	10.00		110	70-130	6	20	
cis-1,2-Dichloroethene	11.0		ug/L	10.00		110	70-130	3	20	
cis-1,3-Dichloropropene	10.6		ug/L	10.00		106	70-130	4	20	
Dibromochloromethane	10.9		ug/L	10.00		109	70-130	8	20	
Dibromomethane	10.2		ug/L	10.00		102	70-130	3	20	
Dichlorodifluoromethane	10.1		ug/L	10.00		101	70-130	10	20	
Diethyl Ether	11.6		ug/L	10.00		116	70-130	9	20	
Di-isopropyl ether	10.2		ug/L	10.00		102	70-130	5	20	
Ethyl tertiary-butyl ether	10.6		ug/L	10.00		106	70-130	4	20	
Ethylbenzene	10.2		ug/L	10.00		102	70-130	6	20	
Hexachlorobutadiene	10.2		ug/L	10.00		102	70-130	4	20	
Hexachloroethane	10.8		ug/L	10.00		108	70-130	7	20	
Isopropylbenzene	9.17		ug/L	10.00		92	70-130	5	20	
Methyl tert-Butyl Ether	11.1		ug/L	10.00		111	70-130	6	20	
Methylene Chloride	10.7		ug/L	10.00		107	70-130	3	20	
Naphthalene	10.9		ug/L	10.00		109	70-130	13	20	
n-Butylbenzene	10.2		ug/L	10.00		102	70-130	9	20	
n-Propylbenzene	10.4		ug/L	10.00		104	70-130	6	20	
sec-Butylbenzene	10.2		ug/L	10.00		102	70-130	6	20	
Styrene	9.99		ug/L	10.00		100	70-130	6	20	
tert-Butylbenzene	10.4		ug/L	10.00		104	70-130	5	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80210 - 5030B										
Tertiary-amyl methyl ether	10.8		ug/L	10.00		108	70-130	4	20	
Tetrachloroethene	9.79		ug/L	10.00		98	70-130	5	20	
Tetrahydrofuran	10.1		ug/L	10.00		101	70-130	15	20	
Toluene	10.2		ug/L	10.00		102	70-130	4	20	
trans-1,2-Dichloroethene	11.3		ug/L	10.00		113	70-130	10	20	
trans-1,3-Dichloropropene	9.32		ug/L	10.00		93	70-130	6	20	
Trichloroethene	10.4		ug/L	10.00		104	70-130	6	20	
Trichlorofluoromethane	10.1		ug/L	10.00		101	70-130	3	20	
Vinyl Acetate	9.89		ug/L	10.00		99	70-130	5	20	
Vinyl Chloride	13.8		ug/L	10.00		138	70-130	6	20	B+
Xylene O	10.0		ug/L	10.00		100	70-130	2	20	
Xylene P,M	20.2		ug/L	20.00		101	70-130	4	20	
Surrogate: 1,2-Dichloroethane-d4	*27.1*		ug/L	*25.00*		*108*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.4*		ug/L	*25.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*26.3*		ug/L	*25.00*		*105*	*70-130*			
Surrogate: Toluene-d8	*25.0*		ug/L	*25.00*		*100*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0803373

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting 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.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of 1

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

Reporting Limits: GA
ESS LAB PROJECT ID: 0803373
Electronic Deliverable: X Yes ___ No
Format: Excel__ Access__ PDF__ Other EZ EDD, EQuIS

Co. Name	Project #	Project Name (20 Char. or less)
MactecC	36500500411.16	Textron Gorham

Contact Person	Address
Dave Heislein	107 Audubon Rd

City	State	Zip	PO#
Wakefield	MA	01880	

Telephone #	Fax #	Email Address
781-245-6600		deheislein@mactec.com

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA		PID Headspace (ppm)											
1	3-27-08	13:12		X	GW	MW225D01	2	3	V	X		7											
2	3-27-08	13:56		X	GW	MW225S01	2	3	V	X		1.7											
3	3-27-08	14:55		X	GW	MW223D01	2	3	V	X		0.4											
3A 4	3-27-08	15:50		X	GW	MW223S01	2	3	V	X		2.6											
5	3-28-08	09:30		X	GW	MW224S01	2	3	V	X		PID readings Overrange											
6	3-28-08	14:00		X	GW	MW222S01	2	3	V	X		4.4											

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

Cooler Present: X Yes ___ No
Seals Intact: ___ Yes ___ No NA: ___
Cooler Temp: 2

Internal Use Only
[ ] Pickup
[ ] Technicians____

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

Sampled by: Mark Massive

Comments: PID reading (ppm), Sample MW224S01 PID reading Overrange detection limit

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3-28-08 3:05	Ont	3/28/08 3:05				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

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

Please fax all changes to Chain of Custody in writing.

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

10/26/04 A

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

David Heislein
MACTEC Engineering & Consulting, Inc.
107 Audubon Road
Wakefield, MA 01880

RE: Providence Gorham Site
ESS Laboratory Work Order Number: 0803373

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 Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. 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 mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: April 03, 2008

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 may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

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

Sample Receipt
The following sample(s) were received on March 28, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0803373-01	Ground Water	MW225D01
0803373-02	Ground Water	MW225S01
0803373-03	Ground Water	MW223D01
0803373-04	Ground Water	MW223S01
0803373-05	Ground Water	MW224S01
0803373-06	Ground Water	MW222S01

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0803373

PROJECT NARRATIVE

8260B Volatile Organic Compounds

0803373-03	**pH > 2**
0803373-06	**pH > 2**
BD80210-BSD1	**Blank Spike recovery is above upper control limit.**
	Vinyl Chloride
BRD0021-CCV1	**Continuing Calibration recovery is below lower control limit.**
	1,4-Dioxane - Screen

No other observations noted.

End of Project Narrative.

VOA
Data Package

VOA
Sample Data

ESS Laboratory

SDG: 0803373

CLASS: MSVOA

METHOD: 8260B

ANALYSES DATA PACKAGE COVER PAGE

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site

Client Sample Id:	Lab Sample Id:
MW225D01	0803373-01
MW225S01	0803373-02
MW223D01	0803373-03
MW223S01	0803373-04
MW224S01	0803373-05
MW224S01	0803373-05RE1
MW222S01	0803373-06

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

Signature: _____ Name: _____

Date: _____ Title: _____

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: ESS Laboratory **SDG:** 0803373

Client: MACTEC Engineering & Consulting, Inc. **Project:** Providence Gorham Site

Matrix: Aqueous **Instrument:** VMS1

Analyte	MDL	MRL	Units
1,1,1,2-Tetrachloroethane	0.0002	0.0010	mg/L
1,1,1-Trichloroethane	0.0002	0.0010	mg/L
1,1,2,2-Tetrachloroethane	0.0001	0.0005	mg/L
1,1,2-Trichloroethane	0.0002	0.0010	mg/L
1,1-Dichloroethane	0.0002	0.0010	mg/L
1,1-Dichloroethene	0.0003	0.0010	mg/L
1,1-Dichloropropene	0.0002	0.0020	mg/L
1,2,3-Trichlorobenzene	0.0002	0.0010	mg/L
1,2,3-Trichloropropane	0.0003	0.0010	mg/L
1,2,4-Trichlorobenzene	0.0002	0.0010	mg/L
1,2,4-Trimethylbenzene	0.0002	0.0010	mg/L
1,2-Dibromo-3-Chloropropane	0.0013	0.0050	mg/L
1,2-Dibromoethane	0.0002	0.0010	mg/L
1,2-Dichlorobenzene	0.0002	0.0010	mg/L
1,2-Dichloroethane	0.0002	0.0010	mg/L
1,2-Dichloropropane	0.0002	0.0010	mg/L
1,3,5-Trimethylbenzene	0.0001	0.0010	mg/L
1,3-Dichlorobenzene	0.0002	0.0010	mg/L
1,3-Dichloropropane	0.0001	0.0010	mg/L
1,4-Dichlorobenzene	0.0001	0.0010	mg/L
1,4-Dioxane - Screen	0.0500	0.500	mg/L
1-Chlorohexane	0.0003	0.0010	mg/L
2,2-Dichloropropane	0.0003	0.0010	mg/L
2-Butanone	0.0050	0.0250	mg/L
2-Chlorotoluene	0.0001	0.0010	mg/L
2-Hexanone	0.0015	0.0100	mg/L
4-Chlorotoluene	0.0002	0.0010	mg/L
4-Isopropyltoluene	0.0002	0.0010	mg/L
4-Methyl-2-Pentanone	0.0020	0.0250	mg/L
Acetone	0.0050	0.0250	mg/L
Benzene	0.0001	0.0010	mg/L
Bromobenzene	0.0002	0.0020	mg/L
Bromochloromethane	0.0002	0.0010	mg/L
Bromodichloromethane	0.0002	0.0006	mg/L
Bromoform	0.0002	0.0010	mg/L
Bromomethane	0.0003	0.0020	mg/L
Carbon Disulfide	0.0002	0.0010	mg/L

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: ESS Laboratory **SDG:** 0803373

Client: MACTEC Engineering & Consulting, Inc. **Project:** Providence Gorham Site

Matrix: Aqueous **Instrument:** VMS1

Analyte	MDL	MRL	Units
Carbon Tetrachloride	0.0002	0.0010	mg/L
Chlorobenzene	0.0001	0.0010	mg/L
Chloroethane	0.0003	0.0020	mg/L
Chloroform	0.0002	0.0010	mg/L
Chloromethane	0.0002	0.0020	mg/L
cis-1,2-Dichloroethene	0.0002	0.0010	mg/L
cis-1,3-Dichloropropene	0.0001	0.0004	mg/L
Dibromochloromethane	0.0002	0.0010	mg/L
Dibromomethane	0.0002	0.0010	mg/L
Dichlorodifluoromethane	0.0003	0.0020	mg/L
Diethyl Ether	0.0003	0.0010	mg/L
Di-isopropyl ether	0.0002	0.0010	mg/L
Ethyl tertiary-butyl ether	0.0002	0.0010	mg/L
Ethylbenzene	0.0002	0.0010	mg/L
Hexachlorobutadiene	0.0002	0.0006	mg/L
Hexachloroethane	0.0002	0.0010	mg/L
Isopropylbenzene	0.0001	0.0010	mg/L
Methyl tert-Butyl Ether	0.0003	0.0010	mg/L
Methylene Chloride	0.0005	0.0040	mg/L
Naphthalene	0.0003	0.0010	mg/L
n-Butylbenzene	0.0002	0.0010	mg/L
n-Propylbenzene	0.0002	0.0010	mg/L
sec-Butylbenzene	0.0001	0.0010	mg/L
Styrene	0.0001	0.0010	mg/L
tert-Butylbenzene	0.0001	0.0010	mg/L
Tertiary-amyl methyl ether	0.0002	0.0010	mg/L
Tetrachloroethene	0.0002	0.0010	mg/L
Tetrahydrofuran	0.0015	0.0050	mg/L
Toluene	0.0001	0.0010	mg/L
trans-1,2-Dichloroethene	0.0003	0.0010	mg/L
trans-1,3-Dichloropropene	0.0001	0.0004	mg/L
Trichloroethene	0.0002	0.0010	mg/L
Trichlorofluoromethane	0.0003	0.0010	mg/L
Vinyl Acetate	0.0004	0.0050	mg/L
Vinyl Chloride	0.0001	0.0010	mg/L
Xylene O	0.0002	0.0010	mg/L
Xylene P,M	0.0003	0.0020	mg/L

ORGANIC ANALYSIS DATA SHEET

8260B

MW225D01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-01	File ID:	M1048187.D
Sampled:	03/27/08 13:12	Prepared:	04/02/08 07:00	Analyzed:	04/02/08 12:04
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0010	U
75-35-4	1,1-Dichloroethene	1	0.0010	U
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW225D01

Laboratory: ESS Laboratory | SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0803373-01 | File ID: M1048187.D

Sampled: 03/27/08 13:12 | Prepared: 04/02/08 07:00 | Analyzed: 04/02/08 12:04

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80210 | Sequence: BRD0021 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0010	U
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0159	
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.3	109	70 - 130	
4-Bromofluorobenzene	25.00	24.6	98	70 - 130	
Dibromofluoromethane	25.00	25.4	101	70 - 130	
Toluene-d8	25.00	24.5	98	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW225D01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-01	File ID:	M1048187.D
Sampled:	03/27/08 13:12	Prepared:	04/02/08 07:00	Analyzed:	04/02/08 12:04
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2252976	10.23	2553552	10.23	
Chlorobenzene-d5	1610873	14.4	1784055	14.4	
1,4-Dichlorobenzene-D4	742574	17.08	808534	17.09	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW225S01

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0803373-02 File ID: M1048188.D

Sampled: 03/27/08 13:56 Prepared: 04/02/08 07:00 Analyzed: 04/02/08 12:32

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80210 Sequence: BRD0021 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0609	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0311	
75-35-4	1,1-Dichloroethene	1	0.0033	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW225S01

Laboratory: ESS Laboratory | SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0803373-02 | File ID: M1048188.D

Sampled: 03/27/08 13:56 | Prepared: 04/02/08 07:00 | Analyzed: 04/02/08 12:32

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80210 | Sequence: BRD0021 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0433	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0010	U
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0114	
75-69-4	Trichlorofluoromethane	1	0.0010	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	26.8	107	70 - 130	
4-Bromofluorobenzene	25.00	24.3	97	70 - 130	
Dibromofluoromethane	25.00	25.5	102	70 - 130	
Toluene-d8	25.00	24.2	97	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW225S01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-02	File ID:	M1048188.D
Sampled:	03/27/08 13:56	Prepared:	04/02/08 07:00	Analyzed:	04/02/08 12:32
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2278564	10.22	2553552	10.23	
Chlorobenzene-d5	1617184	14.4	1784055	14.4	
1,4-Dichlorobenzene-D4	743176	17.08	808534	17.09	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW223D01

Laboratory: ESS Laboratory | SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0803373-03 | File ID: M1048189.D

Sampled: 03/27/08 14:55 | Prepared: 04/02/08 07:00 | Analyzed: 04/02/08 12:59

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80210 | Sequence: BRD0021 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0010	U
75-35-4	1,1-Dichloroethene	1	0.0010	U
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW223D01

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0803373-03 File ID: M1048189.D

Sampled: 03/27/08 14:55 Prepared: 04/02/08 07:00 Analyzed: 04/02/08 12:59

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80210 Sequence: BRD0021 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0010	U
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0010	U
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.7	111	70 - 130	
4-Bromofluorobenzene	25.00	24.6	98	70 - 130	
Dibromofluoromethane	25.00	25.5	102	70 - 130	
Toluene-d8	25.00	24.4	98	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW223D01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-03	File ID:	M1048189.D
Sampled:	03/27/08 14:55	Prepared:	04/02/08 07:00	Analyzed:	04/02/08 12:59
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2278653	10.22	2553552	10.23	
Chlorobenzene-d5	1628623	14.4	1784055	14.4	
1,4-Dichlorobenzene-D4	755258	17.08	808534	17.09	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW223S01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-04	File ID:	M1048190.D
Sampled:	03/27/08 15:50	Prepared:	04/02/08 07:00	Analyzed:	04/02/08 13:27
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0220	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0012	
75-35-4	1,1-Dichloroethene	1	0.0010	U
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW223S01

Laboratory: ESS Laboratory | SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0803373-04 | File ID: M1048190.D

Sampled: 03/27/08 15:50 | Prepared: 04/02/08 07:00 | Analyzed: 04/02/08 13:27

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80210 | Sequence: BRD0021 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0010	U
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0027	
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.5	110	70 - 130	
4-Bromofluorobenzene	25.00	24.2	97	70 - 130	
Dibromofluoromethane	25.00	25.4	101	70 - 130	
Toluene-d8	25.00	24.6	98	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW223S01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-04	File ID:	M1048190.D
Sampled:	03/27/08 15:50	Prepared:	04/02/08 07:00	Analyzed:	04/02/08 13:27
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2224346	10.22	2553552	10.23	
Chlorobenzene-d5	1566934	14.4	1784055	14.4	
1,4-Dichlorobenzene-D4	706855	17.08	808534	17.09	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW224S01

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0803373-05 File ID: M1048168.D

Sampled: 03/28/08 09:30 Prepared: 04/01/08 07:00 Analyzed: 04/01/08 16:10

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80109 Sequence: BRD0009 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	100	0.100	DU
71-55-6	1,1,1-Trichloroethane	500	17.8	D
79-34-5	1,1,2,2-Tetrachloroethane	100	0.0500	DU
79-00-5	1,1,2-Trichloroethane	100	0.100	DU
75-34-3	1,1-Dichloroethane	100	0.577	D
75-35-4	1,1-Dichloroethene	100	0.447	D
563-58-6	1,1-Dichloropropene	100	0.200	DU
87-61-6	1,2,3-Trichlorobenzene	100	0.100	DU
96-18-4	1,2,3-Trichloropropane	100	0.100	DU
120-82-1	1,2,4-Trichlorobenzene	100	0.100	DU
95-63-6	1,2,4-Trimethylbenzene	100	0.100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	100	0.500	DU
106-93-4	1,2-Dibromoethane	100	0.100	DU
95-50-1	1,2-Dichlorobenzene	100	0.100	DU
107-06-2	1,2-Dichloroethane	100	0.100	DU
78-87-5	1,2-Dichloropropane	100	0.100	DU
108-67-8	1,3,5-Trimethylbenzene	100	0.100	DU
541-73-1	1,3-Dichlorobenzene	100	0.100	DU
142-28-9	1,3-Dichloropropane	100	0.100	DU
106-46-7	1,4-Dichlorobenzene	100	0.100	DU
123-91-1	1,4-Dioxane - Screen	100	50.0	DU
544-10-5	1-Chlorohexane	100	0.100	DU
594-20-7	2,2-Dichloropropane	100	0.100	DU
78-93-3	2-Butanone	100	2.50	DU
95-49-8	2-Chlorotoluene	100	0.100	DU
591-78-6	2-Hexanone	100	1.00	DU
106-43-4	4-Chlorotoluene	100	0.100	DU
99-87-6	4-Isopropyltoluene	100	0.100	DU
108-10-1	4-Methyl-2-Pentanone	100	2.50	DU
67-64-1	Acetone	100	2.50	DU
71-43-2	Benzene	100	0.100	DU
108-86-1	Bromobenzene	100	0.200	DU
74-97-5	Bromochloromethane	100	0.100	DU
75-27-4	Bromodichloromethane	100	0.0600	DU
75-25-2	Bromoform	100	0.100	DU
74-83-9	Bromomethane	100	0.200	DU
75-15-0	Carbon Disulfide	100	0.100	DU
56-23-5	Carbon Tetrachloride	100	0.100	DU
108-90-7	Chlorobenzene	100	0.100	DU
75-00-3	Chloroethane	100	0.200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW224S01

Laboratory: ESS Laboratory | SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0803373-05 | File ID: M1048168.D

Sampled: 03/28/08 09:30 | Prepared: 04/01/08 07:00 | Analyzed: 04/01/08 16:10

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80109 | Sequence: BRD0009 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	100	0.100	DU
74-87-3	Chloromethane	100	0.200	DU
156-59-2	cis-1,2-Dichloroethene	100	0.244	D
10061-01-5	cis-1,3-Dichloropropene	100	0.0400	DU
124-48-1	Dibromochloromethane	100	0.100	DU
74-95-3	Dibromomethane	100	0.100	DU
75-71-8	Dichlorodifluoromethane	100	0.200	DU
60-29-7	Diethyl Ether	100	0.100	DU
108-20-3	Di-isopropyl ether	100	0.100	DU
637-92-3	Ethyl tertiary-butyl ether	100	0.100	DU
100-41-4	Ethylbenzene	100	0.100	DU
87-68-3	Hexachlorobutadiene	100	0.0600	DU
67-72-1	Hexachloroethane	100	0.100	DU
98-82-8	Isopropylbenzene	100	0.100	DU
1634-04-4	Methyl tert-Butyl Ether	100	0.100	DU
75-09-2	Methylene Chloride	100	0.400	DU
91-20-3	Naphthalene	100	0.100	DU
104-51-8	n-Butylbenzene	100	0.100	DU
103-65-1	n-Propylbenzene	100	0.100	DU
135-98-8	sec-Butylbenzene	100	0.100	DU
100-42-5	Styrene	100	0.100	DU
98-06-6	tert-Butylbenzene	100	0.100	DU
994-05-8	Tertiary-amyl methyl ether	100	0.100	DU
127-18-4	Tetrachloroethene	100	0.100	DU
109-99-9	Tetrahydrofuran	100	0.500	DU
108-88-3	Toluene	100	0.100	DU
156-60-5	trans-1,2-Dichloroethene	100	0.100	DU
10061-02-6	trans-1,3-Dichloropropene	100	0.0400	DU
79-01-6	Trichloroethene	100	6.44	D
75-69-4	Trichlorofluoromethane	100	0.100	DU
108-05-4	Vinyl Acetate	100	0.500	DU
75-01-4	Vinyl Chloride	100	0.100	DU
95-47-6	Xylene O	100	0.100	DU
1330-20-7	Xylene P,M	100	0.200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	26.4	106	70 - 130	
4-Bromofluorobenzene	25.00	24.9	99	70 - 130	
Dibromofluoromethane	25.00	24.8	99	70 - 130	
Toluene-d8	25.00	24.6	98	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW224S01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-05	File ID:	M1048168.D
Sampled:	03/28/08 09:30	Prepared:	04/01/08 07:00	Analyzed:	04/01/08 16:10
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80109	Sequence:	BRD0009	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2388465	10.25	2957882	10.23	
Chlorobenzene-d5	1687921	14.42	2018930	14.41	
1,4-Dichlorobenzene-D4	781743	17.09	910563	17.08	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW224S01

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0803373-05RE1 File ID: M1048191.D

Sampled: 03/28/08 09:30 Prepared: 04/02/08 07:00 Analyzed: 04/02/08 13:54

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80210 Sequence: BRD0021 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	500	0.500	DU
71-55-6	1,1,1-Trichloroethane	500	17.8	D
79-34-5	1,1,2,2-Tetrachloroethane	500	0.250	DU
79-00-5	1,1,2-Trichloroethane	500	0.500	DU
75-34-3	1,1-Dichloroethane	500	0.675	D
75-35-4	1,1-Dichloroethene	500	0.515	D
563-58-6	1,1-Dichloropropene	500	1.00	DU
87-61-6	1,2,3-Trichlorobenzene	500	0.500	DU
96-18-4	1,2,3-Trichloropropane	500	0.500	DU
120-82-1	1,2,4-Trichlorobenzene	500	0.500	DU
95-63-6	1,2,4-Trimethylbenzene	500	0.500	DU
96-12-8	1,2-Dibromo-3-Chloropropane	500	2.50	DU
106-93-4	1,2-Dibromoethane	500	0.500	DU
95-50-1	1,2-Dichlorobenzene	500	0.500	DU
107-06-2	1,2-Dichloroethane	500	0.500	DU
78-87-5	1,2-Dichloropropane	500	0.500	DU
108-67-8	1,3,5-Trimethylbenzene	500	0.500	DU
541-73-1	1,3-Dichlorobenzene	500	0.500	DU
142-28-9	1,3-Dichloropropane	500	0.500	DU
106-46-7	1,4-Dichlorobenzene	500	0.500	DU
123-91-1	1,4-Dioxane - Screen	500	250	DU
544-10-5	1-Chlorohexane	500	0.500	DU
594-20-7	2,2-Dichloropropane	500	0.500	DU
78-93-3	2-Butanone	500	12.5	DU
95-49-8	2-Chlorotoluene	500	0.500	DU
591-78-6	2-Hexanone	500	5.00	DU
106-43-4	4-Chlorotoluene	500	0.500	DU
99-87-6	4-Isopropyltoluene	500	0.500	DU
108-10-1	4-Methyl-2-Pentanone	500	12.5	DU
67-64-1	Acetone	500	12.5	DU
71-43-2	Benzene	500	0.500	DU
108-86-1	Bromobenzene	500	1.00	DU
74-97-5	Bromochloromethane	500	0.500	DU
75-27-4	Bromodichloromethane	500	0.300	DU
75-25-2	Bromoform	500	0.500	DU
74-83-9	Bromomethane	500	1.00	DU
75-15-0	Carbon Disulfide	500	0.500	DU
56-23-5	Carbon Tetrachloride	500	0.500	DU
108-90-7	Chlorobenzene	500	0.500	DU
75-00-3	Chloroethane	500	1.00	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW224S01

Laboratory: ESS Laboratory | SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0803373-05RE1 | File ID: M1048191.D

Sampled: 03/28/08 09:30 | Prepared: 04/02/08 07:00 | Analyzed: 04/02/08 13:54

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80210 | Sequence: BRD0021 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	500	0.500	DU
74-87-3	Chloromethane	500	1.00	DU
156-59-2	cis-1,2-Dichloroethene	500	0.500	DU
10061-01-5	cis-1,3-Dichloropropene	500	0.200	DU
124-48-1	Dibromochloromethane	500	0.500	DU
74-95-3	Dibromomethane	500	0.500	DU
75-71-8	Dichlorodifluoromethane	500	1.00	DU
60-29-7	Diethyl Ether	500	0.500	DU
108-20-3	Di-isopropyl ether	500	0.500	DU
637-92-3	Ethyl tertiary-butyl ether	500	0.500	DU
100-41-4	Ethylbenzene	500	0.500	DU
87-68-3	Hexachlorobutadiene	500	0.300	DU
67-72-1	Hexachloroethane	500	0.500	DU
98-82-8	Isopropylbenzene	500	0.500	DU
1634-04-4	Methyl tert-Butyl Ether	500	0.500	DU
75-09-2	Methylene Chloride	500	2.00	DU
91-20-3	Naphthalene	500	0.500	DU
104-51-8	n-Butylbenzene	500	0.500	DU
103-65-1	n-Propylbenzene	500	0.500	DU
135-98-8	sec-Butylbenzene	500	0.500	DU
100-42-5	Styrene	500	0.500	DU
98-06-6	tert-Butylbenzene	500	0.500	DU
994-05-8	Tertiary-amyl methyl ether	500	0.500	DU
127-18-4	Tetrachloroethene	500	0.500	DU
109-99-9	Tetrahydrofuran	500	2.50	DU
108-88-3	Toluene	500	0.500	DU
156-60-5	trans-1,2-Dichloroethene	500	0.500	DU
10061-02-6	trans-1,3-Dichloropropene	500	0.200	DU
79-01-6	Trichloroethene	500	6.86	D
75-69-4	Trichlorofluoromethane	500	0.500	DU
108-05-4	Vinyl Acetate	500	2.50	DU
75-01-4	Vinyl Chloride	500	0.500	DU
95-47-6	Xylene O	500	0.500	DU
1330-20-7	Xylene P,M	500	1.00	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.5	110	70 - 130	
4-Bromofluorobenzene	25.00	24.6	98	70 - 130	
Dibromofluoromethane	25.00	25.6	102	70 - 130	
Toluene-d8	25.00	24.7	99	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW224S01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-05RE1	File ID:	M1048191.D
Sampled:	03/28/08 09:30	Prepared:	04/02/08 07:00	Analyzed:	04/02/08 13:54
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2169605	10.22	2553552	10.23	
Chlorobenzene-d5	1548382	14.4	1784055	14.4	
1,4-Dichlorobenzene-D4	725444	17.08	808534	17.09	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW222S01

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0803373-06 File ID: M1048169.D

Sampled: 03/28/08 14:00 Prepared: 04/01/08 07:00 Analyzed: 04/01/08 16:39

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80109 Sequence: BRD0009 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	100	0.100	DU
71-55-6	1,1,1-Trichloroethane	100	4.55	D
79-34-5	1,1,2,2-Tetrachloroethane	100	0.0500	DU
79-00-5	1,1,2-Trichloroethane	100	0.100	DU
75-34-3	1,1-Dichloroethane	100	0.270	D
75-35-4	1,1-Dichloroethene	100	0.139	D
563-58-6	1,1-Dichloropropene	100	0.200	DU
87-61-6	1,2,3-Trichlorobenzene	100	0.100	DU
96-18-4	1,2,3-Trichloropropane	100	0.100	DU
120-82-1	1,2,4-Trichlorobenzene	100	0.100	DU
95-63-6	1,2,4-Trimethylbenzene	100	0.100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	100	0.500	DU
106-93-4	1,2-Dibromoethane	100	0.100	DU
95-50-1	1,2-Dichlorobenzene	100	0.100	DU
107-06-2	1,2-Dichloroethane	100	0.100	DU
78-87-5	1,2-Dichloropropane	100	0.100	DU
108-67-8	1,3,5-Trimethylbenzene	100	0.100	DU
541-73-1	1,3-Dichlorobenzene	100	0.100	DU
142-28-9	1,3-Dichloropropane	100	0.100	DU
106-46-7	1,4-Dichlorobenzene	100	0.100	DU
123-91-1	1,4-Dioxane - Screen	100	50.0	DU
544-10-5	1-Chlorohexane	100	0.100	DU
594-20-7	2,2-Dichloropropane	100	0.100	DU
78-93-3	2-Butanone	100	2.50	DU
95-49-8	2-Chlorotoluene	100	0.100	DU
591-78-6	2-Hexanone	100	1.00	DU
106-43-4	4-Chlorotoluene	100	0.100	DU
99-87-6	4-Isopropyltoluene	100	0.100	DU
108-10-1	4-Methyl-2-Pentanone	100	2.50	DU
67-64-1	Acetone	100	2.50	DU
71-43-2	Benzene	100	0.100	DU
108-86-1	Bromobenzene	100	0.200	DU
74-97-5	Bromochloromethane	100	0.100	DU
75-27-4	Bromodichloromethane	100	0.0600	DU
75-25-2	Bromoform	100	0.100	DU
74-83-9	Bromomethane	100	0.200	DU
75-15-0	Carbon Disulfide	100	0.100	DU
56-23-5	Carbon Tetrachloride	100	0.100	DU
108-90-7	Chlorobenzene	100	0.100	DU
75-00-3	Chloroethane	100	0.200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW222S01

Laboratory: ESS Laboratory | SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0803373-06 | File ID: M1048169.D

Sampled: 03/28/08 14:00 | Prepared: 04/01/08 07:00 | Analyzed: 04/01/08 16:39

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80109 | Sequence: BRD0009 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	100	0.100	DU
74-87-3	Chloromethane	100	0.200	DU
156-59-2	cis-1,2-Dichloroethene	100	0.100	DU
10061-01-5	cis-1,3-Dichloropropene	100	0.0400	DU
124-48-1	Dibromochloromethane	100	0.100	DU
74-95-3	Dibromomethane	100	0.100	DU
75-71-8	Dichlorodifluoromethane	100	0.200	DU
60-29-7	Diethyl Ether	100	0.100	DU
108-20-3	Di-isopropyl ether	100	0.100	DU
637-92-3	Ethyl tertiary-butyl ether	100	0.100	DU
100-41-4	Ethylbenzene	100	0.100	DU
87-68-3	Hexachlorobutadiene	100	0.0600	DU
67-72-1	Hexachloroethane	100	0.100	DU
98-82-8	Isopropylbenzene	100	0.100	DU
1634-04-4	Methyl tert-Butyl Ether	100	0.100	DU
75-09-2	Methylene Chloride	100	0.400	DU
91-20-3	Naphthalene	100	0.100	DU
104-51-8	n-Butylbenzene	100	0.100	DU
103-65-1	n-Propylbenzene	100	0.100	DU
135-98-8	sec-Butylbenzene	100	0.100	DU
100-42-5	Styrene	100	0.100	DU
98-06-6	tert-Butylbenzene	100	0.100	DU
994-05-8	Tertiary-amyl methyl ether	100	0.100	DU
127-18-4	Tetrachloroethene	100	0.100	DU
109-99-9	Tetrahydrofuran	100	0.500	DU
108-88-3	Toluene	100	0.100	DU
156-60-5	trans-1,2-Dichloroethene	100	0.100	DU
10061-02-6	trans-1,3-Dichloropropene	100	0.0400	DU
79-01-6	Trichloroethene	100	2.07	D
75-69-4	Trichlorofluoromethane	100	0.100	DU
108-05-4	Vinyl Acetate	100	0.500	DU
75-01-4	Vinyl Chloride	100	0.100	DU
95-47-6	Xylene O	100	0.100	DU
1330-20-7	Xylene P,M	100	0.200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	26.3	105	70 - 130	
4-Bromofluorobenzene	25.00	24.7	99	70 - 130	
Dibromofluoromethane	25.00	24.7	99	70 - 130	
Toluene-d8	25.00	24.7	99	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW222S01

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0803373-06	File ID:	M1048169.D
Sampled:	03/28/08 14:00	Prepared:	04/01/08 07:00	Analyzed:	04/01/08 16:39
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80109	Sequence:	BRD0009	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2416504	10.25	2957882	10.23	
Chlorobenzene-d5	1707224	14.42	2018930	14.41	
1,4-Dichlorobenzene-D4	774107	17.1	910563	17.08	

* Values outside of QC limits

VOA
Quality Control Data

PREPARATION BATCH SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Batch: BD80109 Batch Matrix: Aqueous Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
~~MW224S01~~	~~0803373-05~~	~~M1048191.D~~	~~04/01/08 07:00~~	~~Data Package~~
MW224S01	0803373-05	M1048168.D	04/01/08 07:00	Data Package
MW222S01	0803373-06	M1048169.D	04/01/08 07:00	Data Package
Blank	BD80109-BLK1	M1048160.D	04/01/08 07:00	
LCS	BD80109-BS1	M1048156.D	04/01/08 07:00	
LCS Dup	BD80109-BSD1	M1048157.D	04/01/08 07:00	

PREPARATION BATCH SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Batch: BD80210 Batch Matrix: Aqueous Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW225D01	0803373-01	M1048187.D	04/02/08 07:00	Data Package
MW225S01	0803373-02	M1048188.D	04/02/08 07:00	Data Package
MW223D01	0803373-03	M1048189.D	04/02/08 07:00	Data Package
MW223S01	0803373-04	M1048190.D	04/02/08 07:00	Data Package
MW224S01	0803373-05RE1	M1048191.D	04/02/08 07:00	Data Package
Blank	BD80210-BLK1	M1048186.D	04/02/08 07:00	
LCS	BD80210-BS1	M1048182.D	04/02/08 07:00	
LCS Dup	BD80210-BSD1	M1048183.D	04/02/08 07:00	

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80109-BLK1	File ID:	M1048160.D
Prepared:	04/01/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/01/08 12:21	Instrument:	VMS1		
Batch:	BD80109	Sequence:	BRD0009	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.0010	U
71-55-6	1,1,1-Trichloroethane	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0005	U
79-00-5	1,1,2-Trichloroethane	0.0010	U
75-34-3	1,1-Dichloroethane	0.0010	U
75-35-4	1,1-Dichloroethene	0.0010	U
563-58-6	1,1-Dichloropropene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0010	U
96-18-4	1,2,3-Trichloropropane	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.0050	U
106-93-4	1,2-Dibromoethane	0.0010	U
95-50-1	1,2-Dichlorobenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0010	U
78-87-5	1,2-Dichloropropane	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0010	U
142-28-9	1,3-Dichloropropane	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0010	U
123-91-1	1,4-Dioxane - Screen	0.500	U
544-10-5	1-Chlorohexane	0.0010	U
594-20-7	2,2-Dichloropropane	0.0010	U
78-93-3	2-Butanone	0.0250	U
95-49-8	2-Chlorotoluene	0.0010	U
591-78-6	2-Hexanone	0.0100	U
106-43-4	4-Chlorotoluene	0.0010	U
99-87-6	4-Isopropyltoluene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0250	U
67-64-1	Acetone	0.0250	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80109-BLK1	File ID:	M1048160.D
Prepared:	04/01/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/01/08 12:21	Instrument:	VMS1		
Batch:	BD80109	Sequence:	BRD0009	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
71-43-2	Benzene	0.0010	U
108-86-1	Bromobenzene	0.0020	U
74-97-5	Bromochloromethane	0.0010	U
75-27-4	Bromodichloromethane	0.0006	U
75-25-2	Bromoform	0.0010	U
74-83-9	Bromomethane	0.0020	U
75-15-0	Carbon Disulfide	0.0010	U
56-23-5	Carbon Tetrachloride	0.0010	U
108-90-7	Chlorobenzene	0.0010	U
75-00-3	Chloroethane	0.0020	U
67-66-3	Chloroform	0.0010	U
74-87-3	Chloromethane	0.0020	U
156-59-2	cis-1,2-Dichloroethene	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	0.0004	U
124-48-1	Dibromochloromethane	0.0010	U
74-95-3	Dibromomethane	0.0010	U
75-71-8	Dichlorodifluoromethane	0.0020	U
60-29-7	Diethyl Ether	0.0010	U
108-20-3	Di-isopropyl ether	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	0.0010	U
100-41-4	Ethylbenzene	0.0010	U
87-68-3	Hexachlorobutadiene	0.0006	U
67-72-1	Hexachloroethane	0.0010	U
98-82-8	Isopropylbenzene	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	0.0010	U
75-09-2	Methylene Chloride	0.0040	U
91-20-3	Naphthalene	0.0010	U
104-51-8	n-Butylbenzene	0.0010	U
103-65-1	n-Propylbenzene	0.0010	U
135-98-8	sec-Butylbenzene	0.0010	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80109-BLK1	File ID:	M1048160.D
Prepared:	04/01/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/01/08 12:21	Instrument:	VMS1		
Batch:	BD80109	Sequence:	BRD0009	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
100-42-5	Styrene	0.0010	U
98-06-6	tert-Butylbenzene	0.0010	U
994-05-8	Tertiary-amyl methyl ether	0.0010	U
127-18-4	Tetrachloroethene	0.0010	U
109-99-9	Tetrahydrofuran	0.0050	U
108-88-3	Toluene	0.0010	U
156-60-5	trans-1,2-Dichloroethene	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	0.0004	U
79-01-6	Trichloroethene	0.0010	U
75-69-4	Trichlorofluoromethane	0.0010	U
108-05-4	Vinyl Acetate	0.0050	U
75-01-4	Vinyl Chloride	0.0010	U
95-47-6	Xylene O	0.0010	U
1330-20-7	Xylene P,M	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	25.0	100	70 - 130	
4-Bromofluorobenzene	25.00	25.0	100	70 - 130	
Dibromofluoromethane	25.00	24.4	98	70 - 130	
Toluene-d8	25.00	24.9	99	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2668788	10.24	2957882	10.23	
Chlorobenzene-d5	1851245	14.42	2018930	14.41	
1,4-Dichlorobenzene-D4	861634	17.09	910563	17.08	

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80210-BLK1	File ID:	M1048186.D
Prepared:	04/02/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/02/08 11:37	Instrument:	VMS1		
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.0010	U
71-55-6	1,1,1-Trichloroethane	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0005	U
79-00-5	1,1,2-Trichloroethane	0.0010	U
75-34-3	1,1-Dichloroethane	0.0010	U
75-35-4	1,1-Dichloroethene	0.0010	U
563-58-6	1,1-Dichloropropene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0010	U
96-18-4	1,2,3-Trichloropropane	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.0050	U
106-93-4	1,2-Dibromoethane	0.0010	U
95-50-1	1,2-Dichlorobenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0010	U
78-87-5	1,2-Dichloropropane	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0010	U
142-28-9	1,3-Dichloropropane	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0010	U
123-91-1	1,4-Dioxane - Screen	0.500	U
544-10-5	1-Chlorohexane	0.0010	U
594-20-7	2,2-Dichloropropane	0.0010	U
78-93-3	2-Butanone	0.0250	U
95-49-8	2-Chlorotoluene	0.0010	U
591-78-6	2-Hexanone	0.0100	U
106-43-4	4-Chlorotoluene	0.0010	U
99-87-6	4-Isopropyltoluene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0250	U
67-64-1	Acetone	0.0250	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80210-BLK1	File ID:	M1048186.D
Prepared:	04/02/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/02/08 11:37	Instrument:	VMS1		
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
71-43-2	Benzene	0.0010	U
108-86-1	Bromobenzene	0.0020	U
74-97-5	Bromochloromethane	0.0010	U
75-27-4	Bromodichloromethane	0.0006	U
75-25-2	Bromoform	0.0010	U
74-83-9	Bromomethane	0.0020	U
75-15-0	Carbon Disulfide	0.0010	U
56-23-5	Carbon Tetrachloride	0.0010	U
108-90-7	Chlorobenzene	0.0010	U
75-00-3	Chloroethane	0.0020	U
67-66-3	Chloroform	0.0010	U
74-87-3	Chloromethane	0.0020	U
156-59-2	cis-1,2-Dichloroethene	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	0.0004	U
124-48-1	Dibromochloromethane	0.0010	U
74-95-3	Dibromomethane	0.0010	U
75-71-8	Dichlorodifluoromethane	0.0020	U
60-29-7	Diethyl Ether	0.0010	U
108-20-3	Di-isopropyl ether	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	0.0010	U
100-41-4	Ethylbenzene	0.0010	U
87-68-3	Hexachlorobutadiene	0.0006	U
67-72-1	Hexachloroethane	0.0010	U
98-82-8	Isopropylbenzene	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	0.0010	U
75-09-2	Methylene Chloride	0.0040	U
91-20-3	Naphthalene	0.0010	U
104-51-8	n-Butylbenzene	0.0010	U
103-65-1	n-Propylbenzene	0.0010	U
135-98-8	sec-Butylbenzene	0.0010	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80210-BLK1	File ID:	M1048186.D
Prepared:	04/02/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/02/08 11:37	Instrument:	VMS1		
Batch:	BD80210	Sequence:	BRD0021	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
100-42-5	Styrene	0.0010	U
98-06-6	tert-Butylbenzene	0.0010	U
994-05-8	Tertiary-amyl methyl ether	0.0010	U
127-18-4	Tetrachloroethene	0.0010	U
109-99-9	Tetrahydrofuran	0.0050	U
108-88-3	Toluene	0.0010	U
156-60-5	trans-1,2-Dichloroethene	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	0.0004	U
79-01-6	Trichloroethene	0.0010	U
75-69-4	Trichlorofluoromethane	0.0010	U
108-05-4	Vinyl Acetate	0.0050	U
75-01-4	Vinyl Chloride	0.0010	U
95-47-6	Xylene O	0.0010	U
1330-20-7	Xylene P,M	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	26.4	106	70 - 130	
4-Bromofluorobenzene	25.00	24.7	99	70 - 130	
Dibromofluoromethane	25.00	25.1	100	70 - 130	
Toluene-d8	25.00	24.7	99	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2298075	10.23	2553552	10.23	
Chlorobenzene-d5	1628048	14.4	1784055	14.4	
1,4-Dichlorobenzene-D4	766569	17.08	808534	17.09	

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80109
Laboratory ID: BD80109-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.60	96	70 - 130
1,1,1-Trichloroethane	10.00	9.78	98	70 - 130
1,1,2,2-Tetrachloroethane	10.00	9.85	98	70 - 130
1,1,2-Trichloroethane	10.00	9.66	97	70 - 130
1,1-Dichloroethane	10.00	9.83	98	70 - 130
1,1-Dichloroethene	10.00	10.9	109	70 - 130
1,1-Dichloropropene	10.00	9.90	99	70 - 130
1,2,3-Trichlorobenzene	10.00	10.6	106	70 - 130
1,2,3-Trichloropropane	10.00	9.33	93	70 - 130
1,2,4-Trichlorobenzene	10.00	10.3	103	70 - 130
1,2,4-Trimethylbenzene	10.00	9.84	98	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	9.03	90	70 - 130
1,2-Dibromoethane	10.00	9.34	93	70 - 130
1,2-Dichlorobenzene	10.00	9.81	98	70 - 130
1,2-Dichloroethane	10.00	9.56	96	70 - 130
1,2-Dichloropropane	10.00	9.75	98	70 - 130
1,3,5-Trimethylbenzene	10.00	9.41	94	70 - 130
1,3-Dichlorobenzene	10.00	10.0	100	70 - 130
1,3-Dichloropropane	10.00	9.55	96	70 - 130
1,4-Dichlorobenzene	10.00	9.67	97	70 - 130
1,4-Dioxane - Screen	200.0	217	108	0 - 332
1-Chlorohexane	10.00	9.94	99	70 - 130
2,2-Dichloropropane	10.00	9.78	98	70 - 130
2-Butanone	50.00	49.4	99	70 - 130
2-Chlorotoluene	10.00	9.96	100	70 - 130
2-Hexanone	50.00	50.6	101	70 - 130
4-Chlorotoluene	10.00	9.96	100	70 - 130
4-Isopropyltoluene	10.00	9.46	95	70 - 130
4-Methyl-2-Pentanone	50.00	48.8	98	70 - 130
Acetone	50.00	55.4	111	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80109
Laboratory ID: BD80109-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	10.00	9.79	98	70 - 130
Bromobenzene	10.00	9.73	97	70 - 130
Bromochloromethane	10.00	9.63	96	70 - 130
Bromodichloromethane	10.00	11.1	111	70 - 130
Bromoform	10.00	9.87	99	70 - 130
Bromomethane	10.00	10.5	105	70 - 130
Carbon Disulfide	10.00	10.8	108	70 - 130
Carbon Tetrachloride	10.00	9.52	95	70 - 130
Chlorobenzene	10.00	9.80	98	70 - 130
Chloroethane	10.00	10.4	104	70 - 130
Chloroform	10.00	9.84	98	70 - 130
Chloromethane	10.00	9.67	97	70 - 130
cis-1,2-Dichloroethene	10.00	10.7	107	70 - 130
cis-1,3-Dichloropropene	10.00	10.0	100	70 - 130
Dibromochloromethane	10.00	9.87	99	70 - 130
Dibromomethane	10.00	9.48	95	70 - 130
Dichlorodifluoromethane	10.00	8.87	89	70 - 130
Diethyl Ether	10.00	10.3	103	70 - 130
Di-isopropyl ether	10.00	10.1	101	70 - 130
Ethyl tertiary-butyl ether	10.00	9.89	99	70 - 130
Ethylbenzene	10.00	9.71	97	70 - 130
Hexachlorobutadiene	10.00	10.9	109	70 - 130
Hexachloroethane	10.00	10.2	102	70 - 130
Isopropylbenzene	10.00	8.74	87	70 - 130
Methyl tert-Butyl Ether	10.00	10.3	103	70 - 130
Methylene Chloride	10.00	10.4	104	70 - 130
Naphthalene	10.00	10.6	106	70 - 130
n-Butylbenzene	10.00	9.95	100	70 - 130
n-Propylbenzene	10.00	9.79	98	70 - 130
sec-Butylbenzene	10.00	9.81	98	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80109
Laboratory ID: BD80109-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Styrene	10.00	9.36	94	70 - 130
tert-Butylbenzene	10.00	9.75	98	70 - 130
Tertiary-amyl methyl ether	10.00	10.1	101	70 - 130
Tetrachloroethene	10.00	9.05	90	70 - 130
Tetrahydrofuran	10.00	9.47	95	70 - 130
Toluene	10.00	9.68	97	70 - 130
trans-1,2-Dichloroethene	10.00	10.6	106	70 - 130
trans-1,3-Dichloropropene	10.00	8.59	86	70 - 130
Trichloroethene	10.00	9.82	98	70 - 130
Trichlorofluoromethane	10.00	9.34	93	70 - 130
Vinyl Acetate	10.00	9.71	97	70 - 130
Vinyl Chloride	10.00	11.8	118	70 - 130
Xylene O	10.00	9.60	96	70 - 130
Xylene P,M	20.00	19.5	97	70 - 130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.79	98	2	20	70 - 130
1,1,1-Trichloroethane	10.00	9.99	100	2	20	70 - 130
1,1,2,2-Tetrachloroethane	10.00	10.2	102	4	20	70 - 130
1,1,2-Trichloroethane	10.00	10.2	102	6	20	70 - 130
1,1-Dichloroethane	10.00	10.1	101	3	20	70 - 130
1,1-Dichloroethene	10.00	11.5	115	5	20	70 - 130
1,1-Dichloropropene	10.00	10.3	103	4	20	70 - 130
1,2,3-Trichlorobenzene	10.00	11.1	111	4	20	70 - 130
1,2,3-Trichloropropane	10.00	10.0	100	7	20	70 - 130
1,2,4-Trichlorobenzene	10.00	10.8	108	5	20	70 - 130
1,2,4-Trimethylbenzene	10.00	10.4	104	6	20	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	9.54	95	5	20	70 - 130
1,2-Dibromoethane	10.00	10.2	102	8	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80109
Laboratory ID: BD80109-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	10.00	10.4	104	6	20	70 - 130
1,2-Dichloroethane	10.00	10.1	101	6	20	70 - 130
1,2-Dichloropropane	10.00	10.1	101	3	20	70 - 130
1,3,5-Trimethylbenzene	10.00	10.2	102	8	20	70 - 130
1,3-Dichlorobenzene	10.00	10.3	103	3	20	70 - 130
1,3-Dichloropropane	10.00	10.5	105	9	20	70 - 130
1,4-Dichlorobenzene	10.00	10.1	101	4	20	70 - 130
1,4-Dioxane - Screen	200.0	218	109	0.8	200	0 - 332
1-Chlorohexane	10.00	10.6	106	7	20	70 - 130
2,2-Dichloropropane	10.00	10.2	102	4	20	70 - 130
2-Butanone	50.00	51.2	102	4	20	70 - 130
2-Chlorotoluene	10.00	10.4	104	4	20	70 - 130
2-Hexanone	50.00	52.5	105	4	20	70 - 130
4-Chlorotoluene	10.00	10.1	101	1	20	70 - 130
4-Isopropyltoluene	10.00	9.99	100	5	20	70 - 130
4-Methyl-2-Pentanone	50.00	50.9	102	4	20	70 - 130
Acetone	50.00	58.4	117	5	20	70 - 130
Benzene	10.00	10.1	101	3	20	70 - 130
Bromobenzene	10.00	10.2	102	5	20	70 - 130
Bromochloromethane	10.00	9.87	99	2	20	70 - 130
Bromodichloromethane	10.00	11.5	115	4	20	70 - 130
Bromoform	10.00	10.1	101	2	20	70 - 130
Bromomethane	10.00	10.4	104	1	20	70 - 130
Carbon Disulfide	10.00	11.2	112	4	20	70 - 130
Carbon Tetrachloride	10.00	9.76	98	2	20	70 - 130
Chlorobenzene	10.00	10.2	102	4	20	70 - 130
Chloroethane	10.00	10.6	106	2	20	70 - 130
Chloroform	10.00	10.1	101	3	20	70 - 130
Chloromethane	10.00	10.2	102	6	20	70 - 130
cis-1,2-Dichloroethene	10.00	11.0	110	2	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80109	Laboratory ID:	BD80109-BSD1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.00	10.5	105	5	20	70 - 130
Dibromochloromethane	10.00	10.3	103	5	20	70 - 130
Dibromomethane	10.00	10.1	101	6	20	70 - 130
Dichlorodifluoromethane	10.00	9.19	92	4	20	70 - 130
Diethyl Ether	10.00	10.6	106	3	20	70 - 130
Di-isopropyl ether	10.00	10.5	105	5	20	70 - 130
Ethyl tertiary-butyl ether	10.00	10.2	102	3	20	70 - 130
Ethylbenzene	10.00	10.4	104	7	20	70 - 130
Hexachlorobutadiene	10.00	11.4	114	4	20	70 - 130
Hexachloroethane	10.00	10.4	104	2	20	70 - 130
Isopropylbenzene	10.00	9.22	92	5	20	70 - 130
Methyl tert-Butyl Ether	10.00	10.8	108	4	20	70 - 130
Methylene Chloride	10.00	10.8	108	4	20	70 - 130
Naphthalene	10.00	11.1	111	4	20	70 - 130
n-Butylbenzene	10.00	10.5	105	6	20	70 - 130
n-Propylbenzene	10.00	10.4	104	7	20	70 - 130
sec-Butylbenzene	10.00	10.3	103	5	20	70 - 130
Styrene	10.00	9.73	97	4	20	70 - 130
tert-Butylbenzene	10.00	10.3	103	6	20	70 - 130
Tertiary-amyl methyl ether	10.00	10.5	105	5	20	70 - 130
Tetrachloroethene	10.00	9.81	98	8	20	70 - 130
Tetrahydrofuran	10.00	9.85	98	4	20	70 - 130
Toluene	10.00	10.4	104	7	20	70 - 130
trans-1,2-Dichloroethene	10.00	10.9	109	3	20	70 - 130
trans-1,3-Dichloropropene	10.00	8.97	90	4	20	70 - 130
Trichloroethene	10.00	10.2	102	4	20	70 - 130
Trichlorofluoromethane	10.00	9.65	96	3	20	70 - 130
Vinyl Acetate	10.00	10.1	101	4	20	70 - 130
Vinyl Chloride	10.00	12.5	125	6	20	70 - 130
Xylene O	10.00	10.1	101	5	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80109	Laboratory ID:	BD80109-BSD1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Xylene P,M	20.00	20.6	103	6	20	70 - 130

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80210
Laboratory ID: BD80210-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.84	98	70 - 130
1,1,1-Trichloroethane	10.00	9.77	98	70 - 130
1,1,2,2-Tetrachloroethane	10.00	9.94	99	70 - 130
1,1,2-Trichloroethane	10.00	9.93	99	70 - 130
1,1-Dichloroethane	10.00	10.2	102	70 - 130
1,1-Dichloroethene	10.00	10.9	109	70 - 130
1,1-Dichloropropene	10.00	10.0	100	70 - 130
1,2,3-Trichlorobenzene	10.00	9.30	93	70 - 130
1,2,3-Trichloropropane	10.00	9.56	96	70 - 130
1,2,4-Trichlorobenzene	10.00	9.48	95	70 - 130
1,2,4-Trimethylbenzene	10.00	9.78	98	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	8.99	90	70 - 130
1,2-Dibromoethane	10.00	9.67	97	70 - 130
1,2-Dichlorobenzene	10.00	9.91	99	70 - 130
1,2-Dichloroethane	10.00	10.8	108	70 - 130
1,2-Dichloropropane	10.00	9.98	100	70 - 130
1,3,5-Trimethylbenzene	10.00	9.61	96	70 - 130
1,3-Dichlorobenzene	10.00	10.1	101	70 - 130
1,3-Dichloropropane	10.00	9.78	98	70 - 130
1,4-Dichlorobenzene	10.00	9.79	98	70 - 130
1,4-Dioxane - Screen	200.0	102	51	0 - 332
1-Chlorohexane	10.00	9.56	96	70 - 130
2,2-Dichloropropane	10.00	10.2	102	70 - 130
2-Butanone	50.00	50.7	101	70 - 130
2-Chlorotoluene	10.00	9.75	98	70 - 130
2-Hexanone	50.00	47.1	94	70 - 130
4-Chlorotoluene	10.00	9.63	96	70 - 130
4-Isopropyltoluene	10.00	9.33	93	70 - 130
4-Methyl-2-Pentanone	50.00	49.4	99	70 - 130
Acetone	50.00	58.2	116	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80210
Laboratory ID: BD80210-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	10.00	9.73	97	70 - 130
Bromobenzene	10.00	9.75	98	70 - 130
Bromochloromethane	10.00	9.89	99	70 - 130
Bromodichloromethane	10.00	11.4	114	70 - 130
Bromoform	10.00	9.59	96	70 - 130
Bromomethane	10.00	9.74	97	70 - 130
Carbon Disulfide	10.00	10.7	107	70 - 130
Carbon Tetrachloride	10.00	10.0	100	70 - 130
Chlorobenzene	10.00	9.97	100	70 - 130
Chloroethane	10.00	10.8	108	70 - 130
Chloroform	10.00	10.2	102	70 - 130
Chloromethane	10.00	10.4	104	70 - 130
cis-1,2-Dichloroethene	10.00	10.6	106	70 - 130
cis-1,3-Dichloropropene	10.00	10.2	102	70 - 130
Dibromochloromethane	10.00	10.1	101	70 - 130
Dibromomethane	10.00	9.87	99	70 - 130
Dichlorodifluoromethane	10.00	9.09	91	70 - 130
Diethyl Ether	10.00	10.5	105	70 - 130
Di-isopropyl ether	10.00	9.69	97	70 - 130
Ethyl tertiary-butyl ether	10.00	10.2	102	70 - 130
Ethylbenzene	10.00	9.58	96	70 - 130
Hexachlorobutadiene	10.00	9.77	98	70 - 130
Hexachloroethane	10.00	10.1	101	70 - 130
Isopropylbenzene	10.00	8.75	88	70 - 130
Methyl tert-Butyl Ether	10.00	10.5	105	70 - 130
Methylene Chloride	10.00	10.4	104	70 - 130
Naphthalene	10.00	9.55	96	70 - 130
n-Butylbenzene	10.00	9.35	94	70 - 130
n-Propylbenzene	10.00	9.76	98	70 - 130
sec-Butylbenzene	10.00	9.62	96	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80210	Laboratory ID:	BD80210-BS1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Styrene	10.00	9.40	94	70 - 130
tert-Butylbenzene	10.00	9.83	98	70 - 130
Tertiary-amyl methyl ether	10.00	10.3	103	70 - 130
Tetrachloroethene	10.00	9.30	93	70 - 130
Tetrahydrofuran	10.00	8.70	87	70 - 130
Toluene	10.00	9.79	98	70 - 130
trans-1,2-Dichloroethene	10.00	10.3	103	70 - 130
trans-1,3-Dichloropropene	10.00	8.75	88	70 - 130
Trichloroethene	10.00	9.81	98	70 - 130
Trichlorofluoromethane	10.00	9.78	98	70 - 130
Vinyl Acetate	10.00	9.42	94	70 - 130
Vinyl Chloride	10.00	13.0	130	70 - 130
Xylene O	10.00	9.84	98	70 - 130
Xylene P,M	20.00	19.5	97	70 - 130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	10.3	103	5	20	70 - 130
1,1,1-Trichloroethane	10.00	10.5	105	7	20	70 - 130
1,1,2,2-Tetrachloroethane	10.00	10.6	106	6	20	70 - 130
1,1,2-Trichloroethane	10.00	10.7	107	8	20	70 - 130
1,1-Dichloroethane	10.00	10.6	106	5	20	70 - 130
1,1-Dichloroethene	10.00	11.6	116	6	20	70 - 130
1,1-Dichloropropene	10.00	10.5	105	4	20	70 - 130
1,2,3-Trichlorobenzene	10.00	10.4	104	11	20	70 - 130
1,2,3-Trichloropropane	10.00	10.0	100	5	20	70 - 130
1,2,4-Trichlorobenzene	10.00	10.3	103	9	20	70 - 130
1,2,4-Trimethylbenzene	10.00	10.4	104	6	20	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	10.4	104	14	20	70 - 130
1,2-Dibromoethane	10.00	10.3	103	7	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80210
Laboratory ID: BD80210-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	10.00	10.5	105	6	20	70 - 130
1,2-Dichloroethane	10.00	11.3	113	5	20	70 - 130
1,2-Dichloropropane	10.00	10.6	106	6	20	70 - 130
1,3,5-Trimethylbenzene	10.00	10.1	101	5	20	70 - 130
1,3-Dichlorobenzene	10.00	10.6	106	5	20	70 - 130
1,3-Dichloropropane	10.00	10.3	103	5	20	70 - 130
1,4-Dichlorobenzene	10.00	10.3	103	5	20	70 - 130
1,4-Dioxane - Screen	200.0	197	99	64	200	0 - 332
1-Chlorohexane	10.00	10.3	103	7	20	70 - 130
2,2-Dichloropropane	10.00	10.7	107	5	20	70 - 130
2-Butanone	50.00	52.5	105	3	20	70 - 130
2-Chlorotoluene	10.00	10.4	104	7	20	70 - 130
2-Hexanone	50.00	52.0	104	10	20	70 - 130
4-Chlorotoluene	10.00	10.1	101	5	20	70 - 130
4-Isopropyltoluene	10.00	9.96	100	7	20	70 - 130
4-Methyl-2-Pentanone	50.00	51.8	104	5	20	70 - 130
Acetone	50.00	57.1	114	2	20	70 - 130
Benzene	10.00	10.1	101	4	20	70 - 130
Bromobenzene	10.00	10.3	103	5	20	70 - 130
Bromochloromethane	10.00	10.5	105	6	20	70 - 130
Bromodichloromethane	10.00	12.0	120	6	20	70 - 130
Bromoform	10.00	10.3	103	7	20	70 - 130
Bromomethane	10.00	10.5	105	7	20	70 - 130
Carbon Disulfide	10.00	11.2	112	5	20	70 - 130
Carbon Tetrachloride	10.00	10.8	108	7	20	70 - 130
Chlorobenzene	10.00	10.3	103	4	20	70 - 130
Chloroethane	10.00	11.6	116	7	20	70 - 130
Chloroform	10.00	10.3	103	1	20	70 - 130
Chloromethane	10.00	11.0	110	6	20	70 - 130
cis-1,2-Dichloroethene	10.00	11.0	110	3	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80210
Laboratory ID: BD80210-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.00	10.6	106	4	20	70 - 130
Dibromochloromethane	10.00	10.9	109	8	20	70 - 130
Dibromomethane	10.00	10.2	102	3	20	70 - 130
Dichlorodifluoromethane	10.00	10.1	101	10	20	70 - 130
Diethyl Ether	10.00	11.6	116	9	20	70 - 130
Di-isopropyl ether	10.00	10.2	102	5	20	70 - 130
Ethyl tertiary-butyl ether	10.00	10.6	106	4	20	70 - 130
Ethylbenzene	10.00	10.2	102	6	20	70 - 130
Hexachlorobutadiene	10.00	10.2	102	4	20	70 - 130
Hexachloroethane	10.00	10.8	108	7	20	70 - 130
Isopropylbenzene	10.00	9.17	92	5	20	70 - 130
Methyl tert-Butyl Ether	10.00	11.1	111	6	20	70 - 130
Methylene Chloride	10.00	10.7	107	3	20	70 - 130
Naphthalene	10.00	10.9	109	13	20	70 - 130
n-Butylbenzene	10.00	10.2	102	9	20	70 - 130
n-Propylbenzene	10.00	10.4	104	6	20	70 - 130
sec-Butylbenzene	10.00	10.2	102	6	20	70 - 130
Styrene	10.00	9.99	100	6	20	70 - 130
tert-Butylbenzene	10.00	10.4	104	5	20	70 - 130
Tertiary-amyl methyl ether	10.00	10.8	108	4	20	70 - 130
Tetrachloroethene	10.00	9.79	98	5	20	70 - 130
Tetrahydrofuran	10.00	10.1	101	15	20	70 - 130
Toluene	10.00	10.2	102	4	20	70 - 130
trans-1,2-Dichloroethene	10.00	11.3	113	10	20	70 - 130
trans-1,3-Dichloropropene	10.00	9.32	93	6	20	70 - 130
Trichloroethene	10.00	10.4	104	6	20	70 - 130
Trichlorofluoromethane	10.00	10.1	101	3	20	70 - 130
Vinyl Acetate	10.00	9.89	99	5	20	70 - 130
Vinyl Chloride	10.00	13.8	138 *	6	20	70 - 130
Xylene O	10.00	10.0	100	2	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80210	Laboratory ID:	BD80210-BSD1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Xylene P,M	20.00	20.2	101	4	20	70 - 130

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

* Values outside of QC limits

VOA
Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRC0282	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	BRC0282-TUN1	M1048142.D	03/31/08 11:35
Cal Standard	BRC0282-CAL1	M1048143.D	03/31/08 13:19
Cal Standard	BRC0282-CAL2	M1048144.D	03/31/08 13:46
Cal Standard	BRC0282-CAL3	M1048145.D	03/31/08 14:13
Cal Standard	BRC0282-CAL4	M1048146.D	03/31/08 14:41
Cal Standard	BRC0282-CAL5	M1048147.D	03/31/08 15:08
Cal Standard	BRC0282-CAL6	M1048148.D	03/31/08 15:36
Cal Standard	BRC0282-CAL7	M1048149.D	03/31/08 16:03
Secondary Cal Check	BRC0282-SCV1	M1048152.D	03/31/08 17:25

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0009	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	BRD0009-TUN1	M1048153.D	04/01/08 08:33
Calibration Check	BRD0009-CCV1	M1048154.D	04/01/08 09:05
LCS	BD80109-BS1	M1048156.D	04/01/08 10:32
LCS Dup	BD80109-BSD1	M1048157.D	04/01/08 10:59
Blank	BD80109-BLK1	M1048160.D	04/01/08 12:21
~~MW224S01~~	~~0803373-05~~	~~M1048191.D~~	~~04/01/08 16:10~~
MW224S01	0803373-05	M1048168.D	04/01/08 16:10
MW222S01	0803373-06	M1048169.D	04/01/08 16:39

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0021	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	BRD0021-TUN1	M1048180.D	04/02/08 08:25
Calibration Check	BRD0021-CCV1	M1048181.D	04/02/08 08:53
LCS	BD80210-BS1	M1048182.D	04/02/08 09:48
LCS Dup	BD80210-BSD1	M1048183.D	04/02/08 10:15
Blank	BD80210-BLK1	M1048186.D	04/02/08 11:37
MW225D01	0803373-01	M1048187.D	04/02/08 12:04
MW225S01	0803373-02	M1048188.D	04/02/08 12:32
MW223D01	0803373-03	M1048189.D	04/02/08 12:59
MW223S01	0803373-04	M1048190.D	04/02/08 13:27
MW224S01	0803373-05RE1	M1048191.D	04/02/08 13:54

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Lab File ID:	M1048153.D	Injection Date:	04/01/08
Instrument ID:	VMS1	Injection Time:	08:33
Sequence:	BRD0009	Lab Sample ID:	BRD0009-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.5	PASS
75	30 - 60% of 95	36.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.52	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	84.7	PASS
175	5 - 9% of 174	7.87	PASS
176	95 - 101% of 174	99.5	PASS
177	5 - 9% of 176	6.77	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Lab File ID:	M1048180.D	Injection Date:	04/02/08
Instrument ID:	VMS1	Injection Time:	08:25
Sequence:	BRD0021	Lab Sample ID:	BRD0021-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.6	PASS
75	30 - 60% of 95	37.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.87	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	82.7	PASS
175	5 - 9% of 174	7.6	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.66	PASS

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048154.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0009	Injection Date:	04/01/08
Lab Sample ID:	BRD0009-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	25.00	25.6	0.3394603	0.3479531		2.5	30
1,1,1,2-Tetrachloroethane	A	25.00	25.6	0.3394603	0.3479531		2.5	30
1,1,1-Trichloroethane	A	25.00	25.4	0.3110596	0.3164173		1.7	30
1,1,1-Trichloroethane	A	25.00	25.4	0.3110596	0.3164173		1.7	30
1,1,2,2-Tetrachloroethane	A	25.00	25.6	0.8534852	0.8742042	0.3	2.4	30
1,1,2,2-Tetrachloroethane	A	25.00	25.6	0.8534852	0.8742042	0.3	2.4	30
1,1,2-Trichloroethane	A	25.00	25.4	0.196062	0.1996036		1.8	30
1,1,2-Trichloroethane	A	25.00	25.4	0.196062	0.1996036		1.8	30
1,1-Dichloroethane	A	25.00	25.3	0.4676268	0.4736758	0.1	1.3	30
1,1-Dichloroethane	A	25.00	25.3	0.4676268	0.4736758	0.1	1.3	30
1,1-Dichloroethene	A	25.00	25.4	0.244583	0.2489082		1.8	20
1,1-Dichloroethene	A	25.00	25.4	0.244583	0.2489082		1.8	20
1,1-Dichloropropene	A	25.00	25.3	0.348074	0.3523187		1.2	30
1,1-Dichloropropene	A	25.00	25.3	0.348074	0.3523187		1.2	30
1,2,3-Trichlorobenzene	A	25.00	24.9	0.5745021	0.5729203		-0.3	30
1,2,3-Trichlorobenzene	A	25.00	24.9	0.5745021	0.5729203		-0.3	30
1,2,3-Trichloropropane	A	25.00	26.0	0.6871129	0.7135344		3.8	30
1,2,3-Trichloropropane	A	25.00	26.0	0.6871129	0.7135344		3.8	30
1,2,4-Trichlorobenzene	A	25.00	26.0	0.6826864	0.709975		4.0	30
1,2,4-Trichlorobenzene	A	25.00	26.0	0.6826864	0.709975		4.0	30
1,2,4-Trimethylbenzene	A	25.00	25.8	2.038259	2.104949		3.3	30
1,2,4-Trimethylbenzene	A	25.00	25.8	2.038259	2.104949		3.3	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.5	7.312109E-02	7.453191E-02		1.9	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.5	7.312109E-02	7.453191E-02		1.9	30
1,2-Dibromoethane	A	25.00	25.1	0.3324679	0.3343568		0.6	30
1,2-Dibromoethane	A	25.00	25.1	0.3324679	0.3343568		0.6	30
1,2-Dichlorobenzene	A	25.00	25.4	1.448399	1.46909		1.4	30
1,2-Dichlorobenzene	A	25.00	25.4	1.448399	1.46909		1.4	30
1,2-Dichloroethane	A	25.00	25.1	0.2286516	0.22959		0.4	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048154.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0009	Injection Date:	04/01/08
Lab Sample ID:	BRD0009-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichloroethane	A	25.00	25.1	0.2286516	0.22959		0.4	30
1,2-Dichloropropane	A	25.00	25.6	0.2781706	0.2844211		2.2	20
1,2-Dichloropropane	A	25.00	25.6	0.2781706	0.2844211		2.2	20
1,3,5-Trimethylbenzene	A	25.00	25.9	1.995331	2.069869		3.7	30
1,3,5-Trimethylbenzene	A	25.00	25.9	1.995331	2.069869		3.7	30
1,3-Dichlorobenzene	A	25.00	26.2	1.55689	1.631865		4.8	30
1,3-Dichlorobenzene	A	25.00	26.2	1.55689	1.631865		4.8	30
1,3-Dichloropropane	A	25.00	25.1	0.5134075	0.5150496		0.3	30
1,3-Dichloropropane	A	25.00	25.1	0.5134075	0.5150496		0.3	30
1,4-Dichlorobenzene	A	25.00	25.6	1.657544	1.69683		2.4	30
1,4-Dichlorobenzene	A	25.00	25.6	1.657544	1.69683		2.4	30
1,4-Dioxane - Screen	A	500.0	486	1.30114E-03	1.26501E-03		-2.8	30
1,4-Dioxane - Screen	A	500.0	486	1.30114E-03	1.26501E-03		-2.8	30
1-Chlorohexane	A	25.00	26.8	0.4165814	0.4473295		7.4	30
1-Chlorohexane	A	25.00	26.8	0.4165814	0.4473295		7.4	30
2,2-Dichloropropane	A	25.00	27.5	0.2771819	0.3053053		10.1	30
2,2-Dichloropropane	A	25.00	27.5	0.2771819	0.3053053		10.1	30
2-Butanone	A	125.0	133	1.587848E-02	1.684624E-02		6.1	30
2-Butanone	A	125.0	133	1.587848E-02	1.684624E-02		6.1	30
2-Chlorotoluene	A	25.00	25.8	2.194776	2.262032		3.1	30
2-Chlorotoluene	A	25.00	25.8	2.194776	2.262032		3.1	30
2-Hexanone	A	125.0	128	0.1589153	0.1633152		2.8	30
2-Hexanone	A	125.0	128	0.1589153	0.1633152		2.8	30
4-Chlorotoluene	A	25.00	25.6	2.26507	2.317273		2.3	30
4-Chlorotoluene	A	25.00	25.6	2.26507	2.317273		2.3	30
4-Isopropyltoluene	A	25.00	26.6	1.774982	1.890609		6.5	30
4-Isopropyltoluene	A	25.00	26.6	1.774982	1.890609		6.5	30
4-Methyl-2-Pentanone	A	125.0	128	5.596375E-02	5.709491E-02		2.0	30
4-Methyl-2-Pentanone	A	125.0	128	5.596375E-02	5.709491E-02		2.0	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048154.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0009	Injection Date:	04/01/08
Lab Sample ID:	BRD0009-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	125.0	125	5.864814E-03	5.859328E-03		-0.09	30
Acetone	A	125.0	125	5.864814E-03	5.859328E-03		-0.09	30
Benzene	A	25.00	25.2	1.100371	1.110206		0.9	30
Benzene	A	25.00	25.2	1.100371	1.110206		0.9	30
Bromobenzene	A	25.00	25.4	1.066193	1.08187		1.5	30
Bromobenzene	A	25.00	25.4	1.066193	1.08187		1.5	30
Bromochloromethane	A	25.00	25.0	0.1775582	0.1777596		0.1	30
Bromochloromethane	A	25.00	25.0	0.1775582	0.1777596		0.1	30
Bromodichloromethane	A	25.00	27.4	0.3418241	0.3603758		5.4	30
Bromodichloromethane	A	25.00	27.4	0.3418241	0.3603758		5.4	30
Bromoform	L	25.00	24.1	0.2299586	0.254204	0.1	-3.5	30
Bromoform	L	25.00	24.1	0.2299586	0.254204	0.1	-3.5	30
Bromomethane	A	25.00	24.7	0.2003193	0.197849		-1.2	30
Bromomethane	A	25.00	24.7	0.2003193	0.197849		-1.2	30
Carbon Disulfide	A	25.00	25.7	1.009735	1.037503		2.8	30
Carbon Disulfide	A	25.00	25.7	1.009735	1.037503		2.8	30
Carbon Tetrachloride	A	25.00	25.7	0.2494957	0.2568368		2.9	30
Carbon Tetrachloride	A	25.00	25.7	0.2494957	0.2568368		2.9	30
Chlorobenzene	A	25.00	25.3	1.014047	1.02736	0.3	1.3	30
Chlorobenzene	A	25.00	25.3	1.014047	1.02736	0.3	1.3	30
Chloroethane	A	25.00	25.0	0.1149597	0.1150945		0.1	30
Chloroethane	A	25.00	25.0	0.1149597	0.1150945		0.1	30
Chloroform	A	25.00	25.5	0.4976749	0.5084124		2.2	20
Chloroform	A	25.00	25.5	0.4976749	0.5084124		2.2	20
Chloromethane	A	25.00	24.7	0.3542793	0.3496478	0.1	-1.3	30
Chloromethane	A	25.00	24.7	0.3542793	0.3496478	0.1	-1.3	30
cis-1,2-Dichloroethene	A	25.00	25.5	0.3177882	0.3246276		2.2	30
cis-1,2-Dichloroethene	A	25.00	25.5	0.3177882	0.3246276		2.2	30
cis-1,3-Dichloropropene	A	25.00	27.7	0.3645374	0.4036395		10.7	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048154.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0009	Injection Date:	04/01/08
Lab Sample ID:	BRD0009-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
cis-1,3-Dichloropropene	A	25.00	27.7	0.3645374	0.4036395		10.7	30
Dibromochloromethane	L	25.00	24.2	0.3490035	0.3961494		-3.1	30
Dibromochloromethane	L	25.00	24.2	0.3490035	0.3961494		-3.1	30
Dibromomethane	A	25.00	25.3	0.1934236	0.1955845		1.1	30
Dibromomethane	A	25.00	25.3	0.1934236	0.1955845		1.1	30
Dichlorodifluoromethane	A	25.00	24.6	0.2637561	0.2599269		-1.5	30
Dichlorodifluoromethane	A	25.00	24.6	0.2637561	0.2599269		-1.5	30
Diethyl Ether	A	25.00	25.7	7.347477E-02	7.797471E-02		6.1	30
Diethyl Ether	A	25.00	25.7	7.347477E-02	7.797471E-02		6.1	30
Di-isopropyl ether	A	25.00	25.6	0.952768	0.9775052		2.6	30
Di-isopropyl ether	A	25.00	25.6	0.952768	0.9775052		2.6	30
Ethyl tertiary-butyl ether	A	25.00	25.6	0.6242981	0.63961		2.5	30
Ethyl tertiary-butyl ether	A	25.00	25.6	0.6242981	0.63961		2.5	30
Ethylbenzene	A	25.00	25.7	1.546959	1.588989		2.7	20
Ethylbenzene	A	25.00	25.7	1.546959	1.588989		2.7	20
Hexachlorobutadiene	A	25.00	26.8	0.2741554	0.2944036		7.4	30
Hexachlorobutadiene	A	25.00	26.8	0.2741554	0.2944036		7.4	30
Hexachloroethane	L	25.00	24.5	0.3517104	0.416103		-1.9	30
Hexachloroethane	L	25.00	24.5	0.3517104	0.416103		-1.9	30
Isopropylbenzene	A	25.00	26.1	2.591551	2.705917		4.4	30
Isopropylbenzene	A	25.00	26.1	2.591551	2.705917		4.4	30
Methyl tert-Butyl Ether	A	25.00	25.3	0.4654496	0.4707013		1.1	30
Methyl tert-Butyl Ether	A	25.00	25.3	0.4654496	0.4707013		1.1	30
Methylene Chloride	A	25.00	24.4	0.3472599	0.3387718		-2.4	30
Methylene Chloride	A	25.00	24.4	0.3472599	0.3387718		-2.4	30
Naphthalene	A	25.00	25.6	1.191446	1.219753		2.4	30
Naphthalene	A	25.00	25.6	1.191446	1.219753		2.4	30
n-Butylbenzene	A	25.00	26.2	1.688339	1.770442		4.9	30
n-Butylbenzene	A	25.00	26.2	1.688339	1.770442		4.9	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048154.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0009	Injection Date:	04/01/08
Lab Sample ID:	BRD0009-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
n-Propylbenzene	A	25.00	26.9	3.300052	3.550188		7.6	30
n-Propylbenzene	A	25.00	26.9	3.300052	3.550188		7.6	30
sec-Butylbenzene	A	25.00	26.3	2.229556	2.34422		5.1	30
sec-Butylbenzene	A	25.00	26.3	2.229556	2.34422		5.1	30
Styrene	A	25.00	25.9	0.9423163	0.9774158		3.7	30
Styrene	A	25.00	25.9	0.9423163	0.9774158		3.7	30
tert-Butylbenzene	A	25.00	25.8	1.529304	1.575079		3.0	30
tert-Butylbenzene	A	25.00	25.8	1.529304	1.575079		3.0	30
Tertiary-amyl methyl ether	A	25.00	25.4	0.552306	0.5609318		1.6	30
Tertiary-amyl methyl ether	A	25.00	25.4	0.552306	0.5609318		1.6	30
Tetrachloroethene	A	25.00	24.6	0.3592911	0.35341		-1.6	30
Tetrachloroethene	A	25.00	24.6	0.3592911	0.35341		-1.6	30
Tetrahydrofuran	A	25.00	24.4	4.153566E-02	4.047356E-02		-2.6	30
Tetrahydrofuran	A	25.00	24.4	4.153566E-02	4.047356E-02		-2.6	30
Toluene	A	25.00	25.7	0.6192587	0.6356657		2.6	20
Toluene	A	25.00	25.7	0.6192587	0.6356657		2.6	20
trans-1,2-Dichloroethene	A	25.00	25.8	0.2901774	0.2990579		3.1	30
trans-1,2-Dichloroethene	A	25.00	25.8	0.2901774	0.2990579		3.1	30
trans-1,3-Dichloropropene	L	25.00	24.6	0.2616513	0.2981846		-1.7	30
trans-1,3-Dichloropropene	L	25.00	24.6	0.2616513	0.2981846		-1.7	30
Trichloroethene	A	25.00	24.8	0.2948186	0.2919592		-1.0	30
Trichloroethene	A	25.00	24.8	0.2948186	0.2919592		-1.0	30
Trichlorofluoromethane	A	25.00	24.4	0.23909	0.2335343		-2.3	30
Trichlorofluoromethane	A	25.00	24.4	0.23909	0.2335343		-2.3	30
Vinyl Acetate	A	25.00	25.6	0.4335189	0.4429862		2.2	30
Vinyl Acetate	A	25.00	25.6	0.4335189	0.4429862		2.2	30
Vinyl Chloride	A	25.00	25.3	0.2269918	0.2293503		1.0	20
Vinyl Chloride	A	25.00	25.3	0.2269918	0.2293503		1.0	20
Xylene O	A	25.00	25.4	0.5723843	0.5807695		1.5	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048154.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0009	Injection Date:	04/01/08
Lab Sample ID:	BRD0009-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Xylene O	A	25.00	25.4	0.5723843	0.5807695		1.5	30
Xylene P,M	A	50.00	51.2	0.5618456	0.5748555		2.3	30
Xylene P,M	A	50.00	51.2	0.5618456	0.5748555		2.3	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048181.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0021	Injection Date:	04/02/08
Lab Sample ID:	BRD0021-CCV1	Injection Time:	08:53

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	25.00	25.6	0.3394603	0.3476995		2.4	30
1,1,1,2-Tetrachloroethane	A	25.00	25.6	0.3394603	0.3476995		2.4	30
1,1,1-Trichloroethane	A	25.00	26.1	0.3110596	0.3245158		4.3	30
1,1,1-Trichloroethane	A	25.00	26.1	0.3110596	0.3245158		4.3	30
1,1,2,2-Tetrachloroethane	A	25.00	25.5	0.8534852	0.8707278	0.3	2.0	30
1,1,2,2-Tetrachloroethane	A	25.00	25.5	0.8534852	0.8707278	0.3	2.0	30
1,1,2-Trichloroethane	A	25.00	25.6	0.196062	0.2008066		2.4	30
1,1,2-Trichloroethane	A	25.00	25.6	0.196062	0.2008066		2.4	30
1,1-Dichloroethane	A	25.00	25.9	0.4676268	0.484303	0.1	3.6	30
1,1-Dichloroethane	A	25.00	25.9	0.4676268	0.484303	0.1	3.6	30
1,1-Dichloroethene	A	25.00	25.2	0.244583	0.2461007		0.6	20
1,1-Dichloroethene	A	25.00	25.2	0.244583	0.2461007		0.6	20
1,1-Dichloropropene	A	25.00	25.6	0.348074	0.3565622		2.4	30
1,1-Dichloropropene	A	25.00	25.6	0.348074	0.3565622		2.4	30
1,2,3-Trichlorobenzene	A	25.00	22.9	0.5745021	0.5259371		-8.5	30
1,2,3-Trichlorobenzene	A	25.00	22.9	0.5745021	0.5259371		-8.5	30
1,2,3-Trichloropropane	A	25.00	26.2	0.6871129	0.7206982		4.9	30
1,2,3-Trichloropropane	A	25.00	26.2	0.6871129	0.7206982		4.9	30
1,2,4-Trichlorobenzene	A	25.00	23.6	0.6826864	0.645702		-5.4	30
1,2,4-Trichlorobenzene	A	25.00	23.6	0.6826864	0.645702		-5.4	30
1,2,4-Trimethylbenzene	A	25.00	25.2	2.038259	2.052494		0.7	30
1,2,4-Trimethylbenzene	A	25.00	25.2	2.038259	2.052494		0.7	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.7	7.312109E-02	7.528193E-02		3.0	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.7	7.312109E-02	7.528193E-02		3.0	30
1,2-Dibromoethane	A	25.00	26.1	0.3324679	0.346963		4.4	30
1,2-Dibromoethane	A	25.00	26.1	0.3324679	0.346963		4.4	30
1,2-Dichlorobenzene	A	25.00	25.3	1.448399	1.465941		1.2	30
1,2-Dichlorobenzene	A	25.00	25.3	1.448399	1.465941		1.2	30
1,2-Dichloroethane	A	25.00	27.2	0.2286516	0.2487887		8.8	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048181.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0021	Injection Date:	04/02/08
Lab Sample ID:	BRD0021-CCV1	Injection Time:	08:53

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichloroethane	A	25.00	27.2	0.2286516	0.2487887		8.8	30	
1,2-Dichloropropane	A	25.00	25.6	0.2781706	0.2843604		2.2	20	
1,2-Dichloropropane	A	25.00	25.6	0.2781706	0.2843604		2.2	20	
1,3,5-Trimethylbenzene	A	25.00	25.1	1.995331	2.004132		0.4	30	
1,3,5-Trimethylbenzene	A	25.00	25.1	1.995331	2.004132		0.4	30	
1,3-Dichlorobenzene	A	25.00	25.6	1.55689	1.597562		2.6	30	
1,3-Dichlorobenzene	A	25.00	25.6	1.55689	1.597562		2.6	30	
1,3-Dichloropropane	A	25.00	25.0	0.5134075	0.512654		-0.1	30	
1,3-Dichloropropane	A	25.00	25.0	0.5134075	0.512654		-0.1	30	
1,4-Dichlorobenzene	A	25.00	25.1	1.657544	1.664816		0.4	30	
1,4-Dichlorobenzene	A	25.00	25.1	1.657544	1.664816		0.4	30	
1,4-Dioxane - Screen	A	500.0	343	1.30114E-03	8.93618E-04		-31.3	30	*
1,4-Dioxane - Screen	A	500.0	343	1.30114E-03	8.93618E-04		-31.3	30	*
1-Chlorohexane	A	25.00	25.4	0.4165814	0.4234539		1.6	30	
1-Chlorohexane	A	25.00	25.4	0.4165814	0.4234539		1.6	30	
2,2-Dichloropropane	A	25.00	28.1	0.2771819	0.3120301		12.6	30	
2,2-Dichloropropane	A	25.00	28.1	0.2771819	0.3120301		12.6	30	
2-Butanone	A	125.0	125	1.587848E-02	1.585807E-02		-0.1	30	
2-Butanone	A	125.0	125	1.587848E-02	1.585807E-02		-0.1	30	
2-Chlorotoluene	A	25.00	24.9	2.194776	2.185749		-0.4	30	
2-Chlorotoluene	A	25.00	24.9	2.194776	2.185749		-0.4	30	
2-Hexanone	A	125.0	125	0.1589153	0.1593685		0.3	30	
2-Hexanone	A	125.0	125	0.1589153	0.1593685		0.3	30	
4-Chlorotoluene	A	25.00	24.9	2.26507	2.252673		-0.5	30	
4-Chlorotoluene	A	25.00	24.9	2.26507	2.252673		-0.5	30	
4-Isopropyltoluene	A	25.00	25.6	1.774982	1.818672		2.5	30	
4-Isopropyltoluene	A	25.00	25.6	1.774982	1.818672		2.5	30	
4-Methyl-2-Pentanone	A	125.0	132	5.596375E-02	5.911053E-02		5.6	30	
4-Methyl-2-Pentanone	A	125.0	132	5.596375E-02	5.911053E-02		5.6	30	

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048181.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0021	Injection Date:	04/02/08
Lab Sample ID:	BRD0021-CCV1	Injection Time:	08:53

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	125.0	126	5.864814E-03	5.889443E-03		0.4	30
Acetone	A	125.0	126	5.864814E-03	5.889443E-03		0.4	30
Benzene	A	25.00	24.3	1.100371	1.070705		-2.7	30
Benzene	A	25.00	24.3	1.100371	1.070705		-2.7	30
Bromobenzene	A	25.00	25.6	1.066193	1.090037		2.2	30
Bromobenzene	A	25.00	25.6	1.066193	1.090037		2.2	30
Bromochloromethane	A	25.00	25.8	0.1775582	0.1833822		3.3	30
Bromochloromethane	A	25.00	25.8	0.1775582	0.1833822		3.3	30
Bromodichloromethane	A	25.00	27.5	0.3418241	0.3614929		5.8	30
Bromodichloromethane	A	25.00	27.5	0.3418241	0.3614929		5.8	30
Bromoform	L	25.00	23.8	0.2299586	0.2508207	0.1	-4.6	30
Bromoform	L	25.00	23.8	0.2299586	0.2508207	0.1	-4.6	30
Bromomethane	A	25.00	22.9	0.2003193	0.1836422		-8.3	30
Bromomethane	A	25.00	22.9	0.2003193	0.1836422		-8.3	30
Carbon Disulfide	A	25.00	25.3	1.009735	1.020082		1.0	30
Carbon Disulfide	A	25.00	25.3	1.009735	1.020082		1.0	30
Carbon Tetrachloride	A	25.00	26.7	0.2494957	0.2663494		6.8	30
Carbon Tetrachloride	A	25.00	26.7	0.2494957	0.2663494		6.8	30
Chlorobenzene	A	25.00	24.9	1.014047	1.010874	0.3	-0.3	30
Chlorobenzene	A	25.00	24.9	1.014047	1.010874	0.3	-0.3	30
Chloroethane	A	25.00	26.6	0.1149597	0.1222015		6.3	30
Chloroethane	A	25.00	26.6	0.1149597	0.1222015		6.3	30
Chloroform	A	25.00	25.5	0.4976749	0.5073071		1.9	20
Chloroform	A	25.00	25.5	0.4976749	0.5073071		1.9	20
Chloromethane	A	25.00	26.4	0.3542793	0.3739383	0.1	5.5	30
Chloromethane	A	25.00	26.4	0.3542793	0.3739383	0.1	5.5	30
cis-1,2-Dichloroethene	A	25.00	25.2	0.3177882	0.3199951		0.7	30
cis-1,2-Dichloroethene	A	25.00	25.2	0.3177882	0.3199951		0.7	30
cis-1,3-Dichloropropene	A	25.00	27.9	0.3645374	0.4066489		11.6	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048181.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0021	Injection Date:	04/02/08
Lab Sample ID:	BRD0021-CCV1	Injection Time:	08:53

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
cis-1,3-Dichloropropene	A	25.00	27.9	0.3645374	0.4066489		11.6	30
Dibromochloromethane	L	25.00	24.4	0.3490035	0.3999983		-2.2	30
Dibromochloromethane	L	25.00	24.4	0.3490035	0.3999983		-2.2	30
Dibromomethane	A	25.00	25.6	0.1934236	0.1983335		2.5	30
Dibromomethane	A	25.00	25.6	0.1934236	0.1983335		2.5	30
Dichlorodifluoromethane	A	25.00	25.0	0.2637561	0.264026		0.1	30
Dichlorodifluoromethane	A	25.00	25.0	0.2637561	0.264026		0.1	30
Diethyl Ether	A	25.00	27.3	7.347477E-02	8.286927E-02		12.8	30
Diethyl Ether	A	25.00	27.3	7.347477E-02	8.286927E-02		12.8	30
Di-isopropyl ether	A	25.00	24.9	0.952768	0.9501416		-0.3	30
Di-isopropyl ether	A	25.00	24.9	0.952768	0.9501416		-0.3	30
Ethyl tertiary-butyl ether	A	25.00	26.3	0.6242981	0.6577458		5.4	30
Ethyl tertiary-butyl ether	A	25.00	26.3	0.6242981	0.6577458		5.4	30
Ethylbenzene	A	25.00	24.8	1.546959	1.533109		-0.9	20
Ethylbenzene	A	25.00	24.8	1.546959	1.533109		-0.9	20
Hexachlorobutadiene	A	25.00	23.9	0.2741554	0.2619667		-4.4	30
Hexachlorobutadiene	A	25.00	23.9	0.2741554	0.2619667		-4.4	30
Hexachloroethane	L	25.00	24.1	0.3517104	0.4086173		-3.5	30
Hexachloroethane	L	25.00	24.1	0.3517104	0.4086173		-3.5	30
Isopropylbenzene	A	25.00	25.2	2.591551	2.616626		1.0	30
Isopropylbenzene	A	25.00	25.2	2.591551	2.616626		1.0	30
Methyl tert-Butyl Ether	A	25.00	26.1	0.4654496	0.4852919		4.3	30
Methyl tert-Butyl Ether	A	25.00	26.1	0.4654496	0.4852919		4.3	30
Methylene Chloride	A	25.00	23.8	0.3472599	0.3305333		-4.8	30
Methylene Chloride	A	25.00	23.8	0.3472599	0.3305333		-4.8	30
Naphthalene	A	25.00	24.1	1.191446	1.149957		-3.5	30
Naphthalene	A	25.00	24.1	1.191446	1.149957		-3.5	30
n-Butylbenzene	A	25.00	25.2	1.688339	1.704374		0.9	30
n-Butylbenzene	A	25.00	25.2	1.688339	1.704374		0.9	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048181.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0021	Injection Date:	04/02/08
Lab Sample ID:	BRD0021-CCV1	Injection Time:	08:53

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
n-Propylbenzene	A	25.00	25.6	3.300052	3.372653		2.2	30
n-Propylbenzene	A	25.00	25.6	3.300052	3.372653		2.2	30
sec-Butylbenzene	A	25.00	25.1	2.229556	2.235758		0.3	30
sec-Butylbenzene	A	25.00	25.1	2.229556	2.235758		0.3	30
Styrene	A	25.00	25.2	0.9423163	0.9483872		0.6	30
Styrene	A	25.00	25.2	0.9423163	0.9483872		0.6	30
tert-Butylbenzene	A	25.00	25.2	1.529304	1.541238		0.8	30
tert-Butylbenzene	A	25.00	25.2	1.529304	1.541238		0.8	30
Tertiary-amyl methyl ether	A	25.00	25.8	0.552306	0.5690246		3.0	30
Tertiary-amyl methyl ether	A	25.00	25.8	0.552306	0.5690246		3.0	30
Tetrachloroethene	A	25.00	24.0	0.3592911	0.3455308		-3.8	30
Tetrachloroethene	A	25.00	24.0	0.3592911	0.3455308		-3.8	30
Tetrahydrofuran	A	25.00	22.6	4.153566E-02	3.750305E-02		-9.7	30
Tetrahydrofuran	A	25.00	22.6	4.153566E-02	3.750305E-02		-9.7	30
Toluene	A	25.00	25.2	0.6192587	0.6251664		1.0	20
Toluene	A	25.00	25.2	0.6192587	0.6251664		1.0	20
trans-1,2-Dichloroethene	A	25.00	25.0	0.2901774	0.2907256		0.2	30
trans-1,2-Dichloroethene	A	25.00	25.0	0.2901774	0.2907256		0.2	30
trans-1,3-Dichloropropene	L	25.00	25.0	0.2616513	0.3037894		0.04	30
trans-1,3-Dichloropropene	L	25.00	25.0	0.2616513	0.3037894		0.04	30
Trichloroethene	A	25.00	25.2	0.2948186	0.2966546		0.6	30
Trichloroethene	A	25.00	25.2	0.2948186	0.2966546		0.6	30
Trichlorofluoromethane	A	25.00	25.5	0.23909	0.2439731		2.0	30
Trichlorofluoromethane	A	25.00	25.5	0.23909	0.2439731		2.0	30
Vinyl Acetate	A	25.00	24.8	0.4335189	0.4296149		-0.9	30
Vinyl Acetate	A	25.00	24.8	0.4335189	0.4296149		-0.9	30
Vinyl Chloride	A	25.00	27.6	0.2269918	0.2509465		10.6	20
Vinyl Chloride	A	25.00	27.6	0.2269918	0.2509465		10.6	20
Xylene O	A	25.00	24.9	0.5723843	0.5694886		-0.5	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048181.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0021	Injection Date:	04/02/08
Lab Sample ID:	BRD0021-CCV1	Injection Time:	08:53

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Xylene O	A	25.00	24.9	0.5723843	0.5694886		-0.5	30
Xylene P,M	A	50.00	49.7	0.5618456	0.5581027		-0.7	30
Xylene P,M	A	50.00	49.7	0.5618456	0.5581027		-0.7	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRC0282	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (BRC0282-CAL1)			Lab File ID: M1048143.D		Analyzed: 03/31/08 13:19			
1,2-Dichloroethane-d4	0.4000	105		9.28	9.288333	-0.0083	+/-1.0	
4-Bromofluorobenzene	0.4000	100		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	0.4000	88		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	0.4000	88		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL2)			Lab File ID: M1048144.D		Analyzed: 03/31/08 13:46			
1,2-Dichloroethane-d4	1.000	110		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	1.000	99		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	1.000	108		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	1.000	94		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL3)			Lab File ID: M1048145.D		Analyzed: 03/31/08 14:13			
1,2-Dichloroethane-d4	5.000	111		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	5.000	101		15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	5.000	103		8.76	8.768334	-0.0083	+/-1.0	
Toluene-d8	5.000	101		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL4)			Lab File ID: M1048146.D		Analyzed: 03/31/08 14:41			
1,2-Dichloroethane-d4	10.00	116		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	10.00	107		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	10.00	107		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	10.00	105		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL5)			Lab File ID: M1048147.D		Analyzed: 03/31/08 15:08			
1,2-Dichloroethane-d4	25.00	115		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	108		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	25.00	108		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	103		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL6)			Lab File ID: M1048148.D		Analyzed: 03/31/08 15:36			
1,2-Dichloroethane-d4	50.00	112		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	50.00	106		15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	50.00	105		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	50.00	104		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL7)			Lab File ID: M1048149.D		Analyzed: 03/31/08 16:03			
1,2-Dichloroethane-d4	100.0	114		9.28	9.288333	-0.0083	+/-1.0	
4-Bromofluorobenzene	100.0	108		15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	100.0	109		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	100.0	108		12.5	12.5	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0009	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (BRD0009-CCV1)			Lab File ID: M1048154.D		Analyzed: 04/01/08 09:05			
1,2-Dichloroethane-d4	25.00	101	0 - 200	9.32	9.288333	0.0317	+/-1.0	
4-Bromofluorobenzene	25.00	104	0 - 200	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	100	0 - 200	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	101	0 - 200	12.53	12.5	0.0300	+/-1.0	
LCS (BD80109-BS1)			Lab File ID: M1048156.D		Analyzed: 04/01/08 10:32			
1,2-Dichloroethane-d4	25.00	102	70 - 130	9.32	9.288333	0.0317	+/-1.0	
4-Bromofluorobenzene	25.00	100	70 - 130	15.73	15.705	0.0250	+/-1.0	
Dibromofluoromethane	25.00	101	70 - 130	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	100	70 - 130	12.53	12.5	0.0300	+/-1.0	
LCS Dup (BD80109-BSD1)			Lab File ID: M1048157.D		Analyzed: 04/01/08 10:59			
1,2-Dichloroethane-d4	25.00	100	70 - 130	9.32	9.288333	0.0317	+/-1.0	
4-Bromofluorobenzene	25.00	101	70 - 130	15.73	15.705	0.0250	+/-1.0	
Dibromofluoromethane	25.00	101	70 - 130	8.8	8.768334	0.0317	+/-1.0	
Toluene-d8	25.00	102	70 - 130	12.53	12.5	0.0300	+/-1.0	
Blank (BD80109-BLK1)			Lab File ID: M1048160.D		Analyzed: 04/01/08 12:21			
1,2-Dichloroethane-d4	25.00	100	70 - 130	9.33	9.288333	0.0417	+/-1.0	
4-Bromofluorobenzene	25.00	100	70 - 130	15.74	15.705	0.0350	+/-1.0	
Dibromofluoromethane	25.00	98	70 - 130	8.8	8.768334	0.0317	+/-1.0	
Toluene-d8	25.00	99	70 - 130	12.53	12.5	0.0300	+/-1.0	
MW224S01 (0803373-05)			Lab File ID: M1048168.D		Analyzed: 04/01/08 16:10			
1,2-Dichloroethane-d4	25.00	106	70 - 130	9.33	9.288333	0.0417	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.73	15.705	0.0250	+/-1.0	
Dibromofluoromethane	25.00	99	70 - 130	8.81	8.768334	0.0417	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.54	12.5	0.0400	+/-1.0	
MW222S01 (0803373-06)			Lab File ID: M1048169.D		Analyzed: 04/01/08 16:39			
1,2-Dichloroethane-d4	25.00	105	70 - 130	9.33	9.288333	0.0417	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.74	15.705	0.0350	+/-1.0	
Dibromofluoromethane	25.00	99	70 - 130	8.81	8.768334	0.0417	+/-1.0	
Toluene-d8	25.00	99	70 - 130	12.55	12.5	0.0500	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0021	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (BRD0021-CCV1)			Lab File ID: M1048181.D		Analyzed: 04/02/08 08:53			
1,2-Dichloroethane-d4	25.00	108	0 - 200	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	98	0 - 200	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	104	0 - 200	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	98	0 - 200	12.53	12.5	0.0300	+/-1.0	
LCS (BD80210-BS1)			Lab File ID: M1048182.D		Analyzed: 04/02/08 09:48			
1,2-Dichloroethane-d4	25.00	110	70 - 130	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	101	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	100	70 - 130	12.52	12.5	0.0200	+/-1.0	
LCS Dup (BD80210-BSD1)			Lab File ID: M1048183.D		Analyzed: 04/02/08 10:15			
1,2-Dichloroethane-d4	25.00	108	70 - 130	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	101	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	100	70 - 130	12.52	12.5	0.0200	+/-1.0	
Blank (BD80210-BLK1)			Lab File ID: M1048186.D		Analyzed: 04/02/08 11:37			
1,2-Dichloroethane-d4	25.00	106	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	100	70 - 130	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	99	70 - 130	12.52	12.5	0.0200	+/-1.0	
MW225D01 (0803373-01)			Lab File ID: M1048187.D		Analyzed: 04/02/08 12:04			
1,2-Dichloroethane-d4	25.00	109	70 - 130	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	101	70 - 130	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.52	12.5	0.0200	+/-1.0	
MW225S01 (0803373-02)			Lab File ID: M1048188.D		Analyzed: 04/02/08 12:32			
1,2-Dichloroethane-d4	25.00	107	70 - 130	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.79	8.768334	0.0217	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.52	12.5	0.0200	+/-1.0	
MW223D01 (0803373-03)			Lab File ID: M1048189.D		Analyzed: 04/02/08 12:59			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.52	12.5	0.0200	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0021	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW223S01 (0803373-04)			Lab File ID: M1048190.D		Analyzed: 04/02/08 13:27			
1,2-Dichloroethane-d4	25.00	110	70 - 130	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	101	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW224S01 (0803373-05RE1)			Lab File ID: M1048191.D		Analyzed: 04/02/08 13:54			
1,2-Dichloroethane-d4	25.00	110	70 - 130	9.31	9.288333	0.0217	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	99	70 - 130	12.51	12.5	0.0100	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRC0282	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (BRC0282-CAL1)			Lab File ID: M1048143.D			Analyzed: 03/31/08 13:19			
Fluorobenzene	2903750	10.2	2902131	10.21	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1888743	14.39	1933446	14.39	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	827756	17.06	873844	17.07	95	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL2)			Lab File ID: M1048144.D			Analyzed: 03/31/08 13:46			
Fluorobenzene	2793172	10.2	2902131	10.21	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1901669	14.38	1933446	14.39	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	842245	17.06	873844	17.07	96	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL3)			Lab File ID: M1048145.D			Analyzed: 03/31/08 14:13			
Fluorobenzene	2902131	10.21	2902131	10.21	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1933446	14.39	1933446	14.39	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	873844	17.07	873844	17.07	100	50 - 200	0.0000	+/-0.50	
Cal Standard (BRC0282-CAL4)			Lab File ID: M1048146.D			Analyzed: 03/31/08 14:41			
Fluorobenzene	2833400	10.2	2902131	10.21	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1916324	14.38	1933446	14.39	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	866072	17.06	873844	17.07	99	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL5)			Lab File ID: M1048147.D			Analyzed: 03/31/08 15:08			
Fluorobenzene	2791359	10.21	2902131	10.21	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1922125	14.38	1933446	14.39	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	884195	17.06	873844	17.07	101	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL6)			Lab File ID: M1048148.D			Analyzed: 03/31/08 15:36			
Fluorobenzene	3000382	10.21	2902131	10.21	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2021748	14.38	1933446	14.39	105	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	949074	17.07	873844	17.07	109	50 - 200	0.0000	+/-0.50	
Cal Standard (BRC0282-CAL7)			Lab File ID: M1048149.D			Analyzed: 03/31/08 16:03			
Fluorobenzene	2954066	10.21	2902131	10.21	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1995327	14.39	1933446	14.39	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	917466	17.07	873844	17.07	105	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (BRC0282-SCV1)			Lab File ID: M1048152.D			Analyzed: 03/31/08 17:25			
Fluorobenzene	2751883	10.21	2902131	10.21	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1858478	14.38	1933446	14.39	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	830778	17.07	873844	17.07	95	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0009	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (BRD0009-CCV1)			Lab File ID: M1048154.D			Analyzed: 04/01/08 09:05			
Fluorobenzene	2957882	10.23				50 - 200		+/-0.50	
Chlorobenzene-d5	2018930	14.41				50 - 200		+/-0.50	
1,4-Dichlorobenzene-D4	910563	17.08				50 - 200		+/-0.50	
LCS (BD80109-BS1)			Lab File ID: M1048156.D			Analyzed: 04/01/08 10:32			
Fluorobenzene	2919602	10.24	2957882	10.23	99	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1990037	14.41	2018930	14.41	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	897849	17.09	910563	17.08	99	50 - 200	0.0100	+/-0.50	
LCS Dup (BD80109-BSD1)			Lab File ID: M1048157.D			Analyzed: 04/01/08 10:59			
Fluorobenzene	2863628	10.24	2957882	10.23	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1925377	14.41	2018930	14.41	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	865956	17.09	910563	17.08	95	50 - 200	0.0100	+/-0.50	
Blank (BD80109-BLK1)			Lab File ID: M1048160.D			Analyzed: 04/01/08 12:21			
Fluorobenzene	2668788	10.24	2957882	10.23	90	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	1851245	14.42	2018930	14.41	92	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	861634	17.09	910563	17.08	95	50 - 200	0.0100	+/-0.50	
MW224S01 (0803373-05)			Lab File ID: M1048168.D			Analyzed: 04/01/08 16:10			
Fluorobenzene	2388465	10.25	2957882	10.23	81	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	1687921	14.42	2018930	14.41	84	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	781743	17.09	910563	17.08	86	50 - 200	0.0100	+/-0.50	
MW222S01 (0803373-06)			Lab File ID: M1048169.D			Analyzed: 04/01/08 16:39			
Fluorobenzene	2416504	10.25	2957882	10.23	82	50 - 200	0.0200	+/-0.50	
Chlorobenzene-d5	1707224	14.42	2018930	14.41	85	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	774107	17.1	910563	17.08	85	50 - 200	0.0200	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0021	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (BRD0021-CCV1)			Lab File ID: M1048181.D			Analyzed: 04/02/08 08:53			
Fluorobenzene	2553552	10.23				50 - 200		+/-0.50	
Chlorobenzene-d5	1784055	14.4				50 - 200		+/-0.50	
1,4-Dichlorobenzene-D4	808534	17.09				50 - 200		+/-0.50	
LCS (BD80210-BS1)			Lab File ID: M1048182.D			Analyzed: 04/02/08 09:48			
Fluorobenzene	2448606	10.23	2553552	10.23	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1702150	14.41	1784055	14.4	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	759551	17.08	808534	17.09	94	50 - 200	-0.0100	+/-0.50	
LCS Dup (BD80210-BSD1)			Lab File ID: M1048183.D			Analyzed: 04/02/08 10:15			
Fluorobenzene	2473549	10.23	2553552	10.23	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1716654	14.41	1784055	14.4	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	774428	17.08	808534	17.09	96	50 - 200	-0.0100	+/-0.50	
Blank (BD80210-BLK1)			Lab File ID: M1048186.D			Analyzed: 04/02/08 11:37			
Fluorobenzene	2298075	10.23	2553552	10.23	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1628048	14.4	1784055	14.4	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	766569	17.08	808534	17.09	95	50 - 200	-0.0100	+/-0.50	
MW225D01 (0803373-01)			Lab File ID: M1048187.D			Analyzed: 04/02/08 12:04			
Fluorobenzene	2252976	10.23	2553552	10.23	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1610873	14.4	1784055	14.4	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	742574	17.08	808534	17.09	92	50 - 200	-0.0100	+/-0.50	
MW225S01 (0803373-02)			Lab File ID: M1048188.D			Analyzed: 04/02/08 12:32			
Fluorobenzene	2278564	10.22	2553552	10.23	89	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1617184	14.4	1784055	14.4	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	743176	17.08	808534	17.09	92	50 - 200	-0.0100	+/-0.50	
MW223D01 (0803373-03)			Lab File ID: M1048189.D			Analyzed: 04/02/08 12:59			
Fluorobenzene	2278653	10.22	2553552	10.23	89	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1628623	14.4	1784055	14.4	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	755258	17.08	808534	17.09	93	50 - 200	-0.0100	+/-0.50	
MW223S01 (0803373-04)			Lab File ID: M1048190.D			Analyzed: 04/02/08 13:27			
Fluorobenzene	2224346	10.22	2553552	10.23	87	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1566934	14.4	1784055	14.4	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	706855	17.08	808534	17.09	87	50 - 200	-0.0100	+/-0.50	
MW224S01 (0803373-05RE1)			Lab File ID: M1048191.D			Analyzed: 04/02/08 13:54			
Fluorobenzene	2169605	10.22	2553552	10.23	85	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1548382	14.4	1784055	14.4	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	725444	17.08	808534	17.09	90	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION STANDARDS

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRC0282	Instrument:	VMS1
Calibration:	0804001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
8C31047	8260 BFB Tune @ 5ppb MS-1 AQ	BRC0282-TUN1	M1048142.D	03/31/08 11:35
8C31048	8260 ICAL1 MS-1 AQ	BRC0282-CAL1	M1048143.D	03/31/08 13:19
8C31049	8260 ICAL2 MS-1 AQ	BRC0282-CAL2	M1048144.D	03/31/08 13:46
8C31050	8260 ICAL3 MS-1 AQ	BRC0282-CAL3	M1048145.D	03/31/08 14:13
8C31051	8260 ICAL4 MS-1 AQ	BRC0282-CAL4	M1048146.D	03/31/08 14:41
8C31052	8260 ICAL5 MS-1 AQ	BRC0282-CAL5	M1048147.D	03/31/08 15:08
8C31053	8260 ICAL6 MS-1 AQ	BRC0282-CAL6	M1048148.D	03/31/08 15:36
8C31054	8260 ICAL7 MS-1 AQ	BRC0282-CAL7	M1048149.D	03/31/08 16:03
8C31055	8260 SCV1 MS-1 AQ	BRC0282-SCV1	M1048152.D	03/31/08 17:25

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Lab File ID:	M1048142.D	Injection Date:	03/31/08
Instrument ID:	VMS1	Injection Time:	11:35
Sequence:	BRC0282	Lab Sample ID:	BRC0282-TUN1
Calibration:	0804001		

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
96	5 - 9% of 95	6.88	PASS
95	Base peak, 100% relative abundance	100	PASS
75	30 - 60% of 95	39	PASS
50	15 - 40% of 95	17.1	PASS
177	5 - 9% of 176	6.88	PASS
176	95 - 101% of 174	97.3	PASS
175	5 - 9% of 174	7.46	PASS
174	50 - 100% of 95	76.2	PASS
173	Less than 2% of 174	0	PASS

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	0.4	~~0.2897099~~	1	0.3091101	5	0.3144851	10	0.3405818	25	0.3450525	50	0.3528291
1,1,1-Trichloroethane	0.4	~~0.2724279~~	1	0.302425	5	0.28911	10	0.3184937	25	0.317804	50	0.3098939
1,1,2,2-Tetrachloroethane	0.4	0.8372032	1	0.7591318	5	0.8408766	10	0.9031726	25	0.8819717	50	0.8706307
1,1,2-Trichloroethane	0.4	~~0.1494619~~	1	0.1852106	5	0.1880618	10	0.1992959	25	0.1994333	50	0.1987107
1,1-Dichloroethane	0.4	~~0.3967068~~	1	0.4710505	5	0.4502726	10	0.4769111	25	0.4707703	50	0.4638809
1,1-Dichloroethene	0.4	~~0.2085019~~	1	0.2410163	5	0.2396153	10	0.2440681	25	0.2470657	50	0.2435022
1,1-Dichloropropene	0.4	~~0.2941885~~	1	0.3369646	5	0.3296181	10	0.3583116	25	0.3502394	50	0.3503859
1,2,3-Trichlorobenzene	0.4	~~0.6137074~~	1	0.574625	5	0.5141593	10	0.588626	25	0.5825683	50	0.5734848
1,2,3-Trichloropropane	0.4	~~0.572859~~	1	0.6078398	5	0.642546	10	0.7026927	25	0.7000854	50	0.7119355
1,2,4-Trichlorobenzene	0.4	~~0.7129214~~	1	0.623245	5	0.6253977	10	0.6980597	25	0.702923	50	0.6971306
1,2,4-Trimethylbenzene	0.4	~~1.776867~~	1	1.878343	5	1.905987	10	2.153811	25	2.079082	50	2.048629
1,2-Dibromo-3-Chloropropane	0.4		1	~~4.811545E-02~~	5	6.842755E-02	10	6.774552E-02	25	0.0727905	50	7.654356E-02
1,2-Dibromoethane	0.4	~~0.2778965~~	1	0.3031022	5	0.3150075	10	0.3379008	25	0.3373163	50	0.3438384
1,2-Dichlorobenzene	0.4	~~1.327384~~	1	1.442158	5	1.391827	10	1.506809	25	1.438983	50	1.415937
1,2-Dichloroethane	0.4	~~0.1844167~~	1	0.2065125	5	0.2235581	10	0.2399273	25	0.2360288	50	0.2301767
1,2-Dichloropropane	0.4	~~0.2379681~~	1	0.2631238	5	0.2676482	10	0.2845962	25	0.2837052	50	0.2799197
1,3,5-Trimethylbenzene	0.4	~~1.78102~~	1	1.873653	5	1.891087	10	2.101318	25	2.013459	50	1.979096
1,3-Dichlorobenzene	0.4	~~1.44638~~	1	1.480686	5	1.50813	10	1.622787	25	1.554802	50	1.539555
1,3-Dichloropropane	0.4	~~0.4482809~~	1	0.4671949	5	0.5079144	10	0.526054	25	0.5198731	50	0.5222548
1,4-Dichlorobenzene	0.4	~~1.525057~~	1	1.611437	5	1.611277	10	1.745219	25	1.644793	50	1.629797
1,4-Dioxane - Screen	8		20	9.456095E-04	100	1.254681E-03	200	1.349748E-03	500	1.363834E-03	1000	1.392314E-03
1-Chlorohexane	0.4	~~0.3465268~~	1	0.3560951	5	0.3823588	10	0.4264049	25	0.4326722	50	0.4395046
2,2-Dichloropropane	0.4	~~0.2301334~~	1	0.2733362	5	0.257671	10	0.2785796	25	0.2790308	50	0.2823084
2-Butanone	2	~~1.028842E-02~~	5	1.424366E-02	25	1.441286E-02	50	0.0160648	125	1.668513E-02	250	1.673044E-02
2-Chlorotoluene	0.4	~~1.895864~~	1	2.12364	5	2.14675	10	2.313321	25	2.196704	50	2.148722
2-Hexanone	2	~~9.812743E-02~~	5	0.1386729	25	0.1485638	50	0.1578436	125	0.1667514	250	0.1686262
4-Chlorotoluene	0.4	~~1.935655~~	1	2.261189	5	2.172785	10	2.36812	25	2.239705	50	2.223666
4-Isopropyltoluene	0.4	~~1.522339~~	1	1.699951	5	1.647142	10	1.854136	25	1.787989	50	1.778347
4-Methyl-2-Pentanone	2	~~3.944468E-02~~	5	4.681953E-02	25	5.045568E-02	50	5.666973E-02	125	0.0600223	250	6.078636E-02
Acetone	2	~~4.472665E-03~~	5	~~8.046407E-03~~	25	6.001107E-03	50	5.384167E-03	125	6.361704E-03	250	5.702141E-03
Benzene	0.4	~~0.9643995~~	1	1.103906	5	1.075978	10	1.126629	25	1.105865	50	1.086058

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Bromobenzene	0.4	~~0.9322645~~	1	1.03138	5	1.030247	10	1.11112	25	1.064116	50	1.05527
Bromochloromethane	0.4	~~0.159901~~	1	0.1765376	5	0.1705747	10	0.1848098	25	0.1803154	50	0.1756761
Bromodichloromethane	0.4	~~0.2507103~~	1	0.2847659	5	0.3162624	10	0.3516085	25	0.3563784	50	0.3622219
Bromoform	0.4	~~0.1593652~~	1	0.1614371	5	0.1940706	10	0.2276363	25	0.2428474	50	0.2666205
Bromomethane	0.4	~~0.2817693~~	1	0.2216118	5	0.1690861	10	0.1817198	25	0.1892974	50	0.2070321
Carbon Disulfide	0.4	~~0.8517004~~	1	0.9437389	5	0.9630802	10	1.028771	25	1.038292	50	1.030965
Carbon Tetrachloride	0.4	~~0.1807792~~	1	0.2113099	5	0.2376719	10	0.253704	25	0.2547379	50	0.2602899
Chlorobenzene	0.4	~~0.9338883~~	1	1.006774	5	0.976937	10	1.048164	25	1.007477	50	1.005309
Chloroethane	0.4	~~0.1266896~~	1	0.1170264	5	0.1169106	10	0.1181937	25	0.1159041	50	0.1091649
Chloroform	0.4	~~0.3771201~~	1	0.4588153	5	0.4862479	10	0.5184707	25	0.5087024	50	0.5010062
Chloromethane	0.4	~~0.3849333~~	1	0.3757287	5	0.3682656	10	0.389682	25	0.3627344	50	0.321896
cis-1,2-Dichloroethene	0.4	~~0.2888937~~	1	0.3039645	5	0.3079099	10	0.3284905	25	0.3207022	50	0.319017
cis-1,3-Dichloropropene	0.4	0.2767972	1	0.3135951	5	0.3514693	10	0.3894111	25	0.3917035	50	0.404376
Dibromochloromethane	0.4	0.2185647	1	0.2970943	5	0.3286438	10	0.3699922	25	0.3959238	50	0.4047077
Dibromomethane	0.4	~~0.1634094~~	1	0.1751951	5	0.184654	10	0.2023302	25	0.1985108	50	0.1973197
Dichlorodifluoromethane	0.4	~~0.244576~~	1	0.2657821	5	0.2497596	10	0.2596889	25	0.2637937	50	0.2634118
Diethyl Ether	0.4	~~5.411106E-02~~	1	6.300185E-02	5	7.400424E-02	10	7.858492E-02	25	7.830809E-02	50	~~7.905827E-02~~
Di-isopropyl ether	0.4	~~0.862204~~	1	0.9295793	5	0.9170296	10	0.9824186	25	0.9716163	50	0.9456558
Ethyl tertiary-butyl ether	0.4	~~0.5279595~~	1	0.600151	5	0.6076862	10	0.6482583	25	0.6388462	50	0.6172211
Ethylbenzene	0.4	~~1.350799~~	1	1.45204	5	1.527164	10	1.617781	25	1.559989	50	1.590754
Hexachlorobutadiene	0.4	0.289563	1	0.2693397	5	0.2444258	10	0.286841	25	0.2640594	50	0.2697045
Hexachloroethane	0.4	0.232934	1	0.2875351	5	0.300271	10	0.365853	25	0.3824767	50	0.4221141
Isopropylbenzene	0.4	~~2.196601~~	1	2.395443	5	2.475871	10	2.753408	25	2.673287	50	2.580024
Methyl tert-Butyl Ether	0.4	~~0.4304348~~	1	0.4443604	5	0.451911	10	0.4739491	25	0.4787274	50	0.4698235
Methylene Chloride	0.4	~~0.4003874~~	1	0.4009778	5	0.3364407	10	0.3446151	25	0.3369807	50	0.3292244
Naphthalene	0.4	~~1.159158~~	1	1.047201	5	1.07383	10	1.233942	25	1.252166	50	1.23232
n-Butylbenzene	0.4	~~1.446456~~	1	1.519748	5	1.559443	10	1.744832	25	1.717427	50	1.737496
n-Propylbenzene	0.4	~~2.949918~~	1	3.105688	5	3.220569	10	3.496773	25	3.387021	50	3.384271
sec-Butylbenzene	0.4	~~1.964649~~	1	2.021858	5	2.147157	10	2.338527	25	2.252544	50	2.236742
Styrene	0.4	~~0.7227691~~	1	0.8102751	5	0.8816693	10	0.9796556	25	0.9786991	50	0.9829365
tert-Butylbenzene	0.4	~~1.39179~~	1	1.464123	5	1.471475	10	1.597604	25	1.530995	50	1.499314

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Tertiary-amyl methyl ether	0.4	~~0.472557~~	1	0.5463949	5	0.5240339	10	0.5632429	25	0.5628506	50	0.5521424
Tetrachloroethene	0.4	~~0.293052~~	1	0.3527691	5	0.3481426	10	0.3621856	25	0.3581916	50	0.3605484
Tetrahydrofuran	0.4	~~0.0393672~~	1	4.344523E-02	5	3.992583E-02	10	3.966436E-02	25	4.236467E-02	50	4.031787E-02
Toluene	0.4	~~0.5227723~~	1	0.5815073	5	0.6023074	10	0.6391032	25	0.6356098	50	0.6142193
trans-1,2-Dichloroethene	0.4	~~0.2410676~~	1	0.2678048	5	0.2804732	10	0.3043675	25	0.2943548	50	0.2925564
trans-1,3-Dichloropropene	0.4	0.1723203	1	0.2239121	5	0.2463328	10	0.2776629	25	0.2958437	50	0.2980086
Trichloroethene	0.4	~~0.2609557~~	1	0.2984421	5	0.2804508	10	0.3086601	25	0.2964094	50	0.2854921
Trichlorofluoromethane	0.4	~~0.1866337~~	1	0.231878	5	0.2321518	10	0.2493285	25	0.2409618	50	0.2353494
Vinyl Acetate	0.4	~~0.3865045~~	1	0.4018639	5	0.3936245	10	0.4331033	25	0.449217	50	0.4512129
Vinyl Chloride	0.4	~~0.2045631~~	1	0.2325403	5	0.2284476	10	0.2383453	25	0.2262045	50	0.2224827
Xylene O	0.4	~~0.4884532~~	1	0.5254595	5	0.5550556	10	0.5953847	25	0.5897509	50	0.5775722
Xylene P,M	0.8	~~0.4628905~~	2	0.5090528	10	0.552317	20	0.5813644	50	0.573034	100	0.5700363
1,2-Dichloroethane-d4	0.4	~~0.1829961~~	1	0.1901333	5	0.1909045	10	0.1997732	25	0.198379	50	0.1939545
4-Bromofluorobenzene	0.4	~~0.4320003~~	1	0.4279925	5	0.4353988	10	0.4629058	25	0.4633034	50	0.4562213
Dibromofluoromethane	0.4	~~0.2845028~~	1	0.3453153	5	0.3303021	10	0.3430666	25	0.3469808	50	0.3379658
Toluene-d8	0.4	~~1.079355~~	1	1.157155	5	1.233438	10	1.291186	25	1.266388	50	1.278619

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	100	0.374703										
1,1,1-Trichloroethane	100	0.3286312										
1,1,2,2-Tetrachloroethane	100	0.8814098										
1,1,2-Trichloroethane	100	0.2056595										
1,1-Dichloroethane	100	0.4728752										
1,1-Dichloroethene	100	0.2522304										
1,1-Dichloropropene	100	0.3629247										
1,2,3-Trichlorobenzene	100	0.6135492										
1,2,3-Trichloropropane	100	0.7575777										
1,2,4-Trichlorobenzene	100	0.7493626										
1,2,4-Trimethylbenzene	100	2.163703										
1,2-Dibromo-3-Chloropropane	100	8.009834E-02										
1,2-Dibromoethane	100	0.3576423										
1,2-Dichlorobenzene	100	1.494678										
1,2-Dichloroethane	100	0.2357059										
1,2-Dichloropropane	100	0.2900303										
1,3,5-Trimethylbenzene	100	2.113374										
1,3-Dichlorobenzene	100	1.63538										
1,3-Dichloropropane	100	0.5371536										
1,4-Dichlorobenzene	100	1.702744										
1,4-Dioxane - Screen	2000	1.500656E-03										
1-Chlorohexane	100	0.4624528										
2,2-Dichloropropane	100	0.2921657										
2-Butanone	500	1.713399E-02										
2-Chlorotoluene	100	2.239517										
2-Hexanone	500	0.1730338										
4-Chlorotoluene	100	2.324953										
4-Isopropyltoluene	100	1.882326										
4-Methyl-2-Pentanone	500	6.102892E-02										
Acetone	500	5.874953E-03										
Benzene	100	1.103792										

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Bromobenzene	100	1.105023										
Bromochloromethane	100	0.1774354										
Bromodichloromethane	100	0.3797073										
Bromoform	100	0.2871395										
Bromomethane	100	0.2331689										
Carbon Disulfide	100	1.053562										
Carbon Tetrachloride	100	0.2792604										
Chlorobenzene	100	1.039622										
Chloroethane	100	0.1125585										
Chloroform	100	0.5128071										
Chloromethane	100	0.3073691										
cis-1,2-Dichloroethene	100	0.326645										
cis-1,3-Dichloropropene	100	0.4244099										
Dibromochloromethane	100	0.4280978										
Dibromomethane	100	0.2025319										
Dichlorodifluoromethane	100	0.2801004										
Diethyl Ether	100	~~8.178423E-02~~										
Di-isopropyl ether	100	0.9703084										
Ethyl tertiary-butyl ether	100	0.6336255										
Ethylbenzene	100	1.534023										
Hexachlorobutadiene	100	0.2951543										
Hexachloroethane	100	0.4707886										
Isopropylbenzene	100	2.671272										
Methyl tert-Butyl Ether	100	0.4739262										
Methylene Chloride	100	0.3353209										
Naphthalene	100	1.309218										
n-Butylbenzene	100	1.851088										
n-Propylbenzene	100	3.205991										
sec-Butylbenzene	100	2.380507										
Styrene	100	1.020662										
tert-Butylbenzene	100	1.612313										

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Tertiary-amyl methyl ether	100	0.5651714										
Tetrachloroethene	100	0.3739095										
Tetrahydrofuran	100	4.349598E-02										
Toluene	100	0.6428054										
trans-1,2-Dichloroethene	100	0.3015077										
trans-1,3-Dichloropropene	100	0.3174786										
Trichloroethene	100	0.2994571										
Trichlorofluoromethane	100	0.2448702										
Vinyl Acetate	100	0.4720915										
Vinyl Chloride	100	0.2139304										
Xylene O	100	0.5910829										
Xylene P,M	200	0.5852693										
1,2-Dichloroethane-d4	100	0.196845										
4-Bromofluorobenzene	100	0.4646503										
Dibromofluoromethane	100	0.3492809										
Toluene-d8	100	1.320874										

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.3394603	7.213662	14.32833	2.361777E-02			15	
1,1,1-Trichloroethane	0.3110596	4.471271	9.498333	0.0432609			15	
1,1,2,2-Tetrachloroethane	0.8534852	5.594799	15.27714	0.0325807			SPCC (0.3)	
1,1,2-Trichloroethane	0.196062	3.968538	12.34	6.164233E-03			15	
1,1-Dichloroethane	0.4676268	2.029991	7.77	1.784319E-02			SPCC (0.1)	
1,1-Dichloroethene	0.244583	1.860073	6.615	8.139154E-02			CCC (30)	
1,1-Dichloropropene	0.348074	3.632712	9.705	5.793717E-02			15	
1,2,3-Trichlorobenzene	0.5745021	5.736982	20.195	2.575139E-02			15	
1,2,3-Trichloropropane	0.6871129	7.773051	15.43	1.701412E-02			15	
1,2,4-Trichlorobenzene	0.6826864	7.210475	19.58	3.417535E-02			15	
1,2,4-Trimethylbenzene	2.038259	5.965823	16.81667	2.752023E-02			15	
1,2-Dibromo-3-Chloropropane	7.312109E-02	7.218221	17.978	3.052683E-02			15	
1,2-Dibromoethane	0.3324679	5.990407	13.37	1.484015E-03			15	
1,2-Dichlorobenzene	1.448399	3.077611	17.47	1.913191E-02			15	
1,2-Dichloroethane	0.2286516	5.355429	9.378333	4.773904E-02			15	
1,2-Dichloropropane	0.2781706	3.779827	10.68333	5.023833E-02			CCC (30)	
1,3,5-Trimethylbenzene	1.995331	5.082961	16.405	3.164427E-02			15	
1,3-Dichlorobenzene	1.55689	3.958691	17.02333	3.465739E-02			15	
1,3-Dichloropropane	0.5134075	4.778731	12.65667	0.0365437			15	
1,4-Dichlorobenzene	1.657544	3.296586	17.095	3.224339E-02			15	
1,4-Dioxane - Screen	1.30114E-03	14.70227	10.91333	4.803716E-02			15	
1-Chlorohexane	0.4165814	9.490214	14.30833	2.466383E-02			15	
2,2-Dichloropropane	0.2771819	4.118619	8.726666	0.0587026			15	
2-Butanone	1.587848E-02	7.87014	8.225	6.868155E-02			15	
2-Chlorotoluene	2.194776	3.25677	16.22333	2.922661E-02			15	
2-Hexanone	0.1589153	8.315331	12.83333	4.158666E-02			15	
4-Chlorotoluene	2.26507	3.12769	16.30167	2.253902E-02			15	
4-Isopropyltoluene	1.774982	5.03536	17.115	2.372518E-02			15	
4-Methyl-2-Pentanone	5.596375E-02	10.71644	11.69833	4.006268E-02			15	
Acetone	5.864814E-03	6.165845	6.144	9.189471E-02			15	
Benzene	1.100371	1.596889	9.973333	4.758507E-02			15	
Bromobenzene	1.066193	3.290436	15.93333	3.173249E-02			15	

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0803373
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Bromochloromethane	0.1775582	2.683961	8.586667	6.020003E-02			15	
Bromodichloromethane	0.3418241	10.19128	10.79	0.01928			15	
Bromoform	0.2299586	20.18092	14.99833	2.645206E-02	0.99918		SPCC (0.1)	
Bromomethane	0.2003193	12.26956	5.211667	7.784887E-02			15	
Carbon Disulfide	1.009735	4.447043	7.061667	5.427119E-02			15	
Carbon Tetrachloride	0.2494957	9.219632	9.93	8.925604E-02			15	
Chlorobenzene	1.014047	2.559274	14.42167	2.857534E-02			SPCC (0.3)	
Chloroethane	0.1149597	2.982369	5.373333	9.583287E-02			15	
Chloroform	0.4976749	4.434075	8.631667	4.121888E-02			CCC (30)	
Chloromethane	0.3542793	9.128739	4.466667	0.1146273			SPCC (0.1)	
cis-1,2-Dichloroethene	0.3177882	3.12039	8.398333	4.271731E-02			15	
cis-1,3-Dichloropropene	0.3645374	14.5987	11.57286	4.800349E-02			15	
Dibromochloromethane	0.3490035	20.96579	13.03286	4.033507E-02	0.99963		0.99	
Dibromomethane	0.1934236	5.722274	10.65	1.081857E-02			15	
Dichlorodifluoromethane	0.2637561	3.729497	4.213333	0.1213099			15	
Diethyl Ether	7.347477E-02	9.921923	6.265	9.299074E-02			15	
Di-isopropyl ether	0.952768	2.740015	8.221667	5.147704E-02			15	
Ethyl tertiary-butyl ether	0.6242981	3.023796	8.666667	5.818785E-02			15	
Ethylbenzene	1.546959	3.73281	14.64	1.664754E-02			CCC (30)	
Hexachlorobutadiene	0.2741554	6.436086	19.96143	3.142003E-02			15	
Hexachloroethane	0.3517104	23.54786	18.05143	3.266232E-02	0.99831		0.99	
Isopropylbenzene	2.591551	5.211575	15.65833	2.602629E-02			15	
Methyl tert-Butyl Ether	0.4654496	2.988715	7.606667	6.747958E-02			15	
Methylene Chloride	0.3472599	7.708887	6.768333	6.193017E-02			15	
Naphthalene	1.191446	8.856579	19.92833	0.0268962			15	
n-Butylbenzene	1.688339	7.396785	17.54833	2.370889E-02			15	
n-Propylbenzene	3.300052	4.418326	16.11333	2.495369E-02			15	
sec-Butylbenzene	2.229556	5.853796	16.93167	2.345547E-02			15	
Styrene	0.9423163	8.439008	15.21	3.28691E-03			15	
tert-Butylbenzene	1.529304	4.140773	16.70833	0.013582			15	
Tertiary-amyl methyl ether	0.552306	2.840513	10.12667	5.334905E-02			15	
Tetrachloroethene	0.3592911	2.46343	13.58667	4.117611E-02			15	

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory:	ESS Laboratory	SDG:	0803373
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Calibration:	0804001	Instrument:	VMS1
Matrix:	Aqueous	Calibration Date:	03/31/08 00:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Tetrahydrofuran	4.153566E-02	4.273396	9.011667	4.837169E-02			15	
Toluene	0.6192587	3.924771	12.59833	3.227668E-02			CCC (30)	
trans-1,2-Dichloroethene	0.2901774	4.74409	7.498333	0.0547997			15	
trans-1,3-Dichloropropene	0.2616513	19.42713	12.12	1.620168E-02	0.99957		0.99	
Trichloroethene	0.2948186	3.46631	10.73	0.0120037			15	
Trichlorofluoromethane	0.23909	2.992088	6.02	0.1029558			15	
Vinyl Acetate	0.4335189	7.027796	7.88	9.924249E-03			15	
Vinyl Chloride	0.2269918	3.703504	4.705	0.1788025			CCC (30)	
Xylene O	0.5723843	4.758598	15.28833	3.037879E-02			15	
Xylene P,M	0.5618456	5.034037	14.85	1.584845E-02			15	
1,2-Dichloroethane-d4	0.1949982	2.040406	9.288333	4.438089E-02			15	
4-Bromofluorobenzene	0.4517453	3.536455	15.705	3.580263E-02			15	
Dibromofluoromethane	0.3421519	2.03717	8.768334	4.937639E-02			15	
Toluene-d8	1.257943	4.542055	12.5	0			15	

VOA
Logbooks

HOLDING TIME SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0803373

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MW225D01	03/27/08 13:12	03/28/08 15:05	04/02/08 07:00	5.74	14.00	04/02/08 12:04	5.95	14.00	
MW225S01	03/27/08 13:56	03/28/08 15:05	04/02/08 07:00	5.71	14.00	04/02/08 12:32	5.94	14.00	
MW223D01	03/27/08 14:55	03/28/08 15:05	04/02/08 07:00	5.67	14.00	04/02/08 12:59	5.92	14.00	
MW223S01	03/27/08 15:50	03/28/08 15:05	04/02/08 07:00	5.63	14.00	04/02/08 13:27	5.90	14.00	
MW224S01	03/28/08 09:30	03/28/08 15:05	04/01/08 07:00	3.90	14.00	04/01/08 16:10	4.28	14.00	
MW224S01	03/28/08 09:30	03/28/08 15:05	04/02/08 07:00	4.90	14.00	04/02/08 13:54	5.18	14.00	
MW222S01	03/28/08 14:00	03/28/08 15:05	04/01/08 07:00	3.71	14.00	04/01/08 16:39	4.11	14.00	

Sample and Cooler Receipt Checklist

Client: Mactec
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 08030373
Date Project Due: 4/4/08
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **2.0**		16. Are ESS labels on correct containers?	Yes/No
Iced With: **Icepacks**		17. Were samples received intact?	Yes/No
6. Was COC included with samples?	Yes	ESS Sample IDs: _____	
7. Was COC signed and dated by client?	Yes	Sub Lab: _____	
8. Does the COC match the sample	Yes	Analysis: _____	
9. Is COC complete and correct?	Yes	TAT: _____	

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

_____

_____

_____

Who was called?: _____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	3	HCL
2	Yes	40 ml - VOA	3	HCL
3	Yes	40 ml - VOA	3	HCL
4	Yes	40 ml - VOA	3	HCL
5	Yes	40 ml - VOA	3	HCL
6	Yes	40 ml - VOA	3	HCL

Completed By: JTD JTD Date/Time: 3-28-08
Reviewed By: EO Date/Time: 3/28/08

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of 1

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

Reporting Limits: GA
ESS LAB PROJECT ID: 0803373
Electronic Deliverable: X Yes ___ No
Format: Excel__ Access__ PDF__ Other EZ EDD, EQuIS

Co. Name	Project #	Project Name (20 Char. or less)
Mactec	36500500411.16	Textron Gorham

Contact Person	Address
Dave Heislein	107 Audubon Rd

City	State	Zip	PO#
Wakefield	MA	01880	

Telephone #	Fax #	Email Address
781-245-6600		deheislein@mactec.com

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA	PID Headspace (ppm)	Write Required Analysis
1	3-27-08	13:12		X	GW	MW225D01	2	3	V	X	7	
2	3-27-08	13:56		X	GW	MW225S01	2	3	V	X	1.7	
3	3-27-08	14:55		X	GW	MW223D01	2	3	V	X	0.4	
24 4	3-27-08	15:50		X	GW	MW223S01	2	3	V	X	2.6	
5	3-28-08	09:30		X	GW	MW224S01	2	3	V	X	PID readings Overange	
6	3-28-08	14:00		X	GW	MW222S01	2	3	V	X	4.4	

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

Cooler Present: X Yes ___ No
Seals Intact: ___ Yes ___ No NA: ___
Cooler Temp: 2

Internal Use Only
[ ] Pickup
[ ] Technicians____

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

Sampled by: Mark Massive

Comments: PID reading (ppm), Sample MW224S01 PID reading Overrange detection limit

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3-28-08 3:05		3/28/08 3:05				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

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

Please fax all changes to Chain of Custody in writing.

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

10/26/04 A

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

David Heislein
MACTEC Engineering & Consulting, Inc.
107 Audubon Road
Wakefield, MA 01880

RE: Providence Gorham Site
ESS Laboratory Work Order Number: 0804037

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 Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. 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 mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: April 09, 2008

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 may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

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

Sample Receipt
The following sample(s) were received on April 02, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0804037-01	Ground Water	MW 227D01
0804037-02	Ground Water	MW 227S01
0804037-03	Ground Water	MW 227S01 Dup
0804037-04	Ground Water	MW 220S01
0804037-05	Ground Water	MW 221S01
0804037-06	Ground Water	MW 228D01
0804037-07	Ground Water	MW 228S01
0804037-08	Ground Water	MW 228S01 Dup
0804037-09	Ground Water	MW 230D01
0804037-10	Ground Water	MW 230S01

0804037-11	Ground Water	MW 226S01
0804037-12	Ground Water	MW 229S01
0804037-13	Ground Water	MW 226D01
0804037-14	Ground Water	Equipment Blank

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0804037

PROJECT NARRATIVE

8260B Volatile Organic Compounds

BD80709-BS1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BD80807-BS1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BD80807-BS1	**Blank Spike recovery is below lower control limit.** Tetrahydrofuran
BD80807-BSD1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BD80807-MS1	**Due to high target values, matrix spike is masked.** 1,1,1-Trichloroethane, Tetrachloroethene, Trichloroethene
BD80807-MS1	**Matrix Spike recovery is above upper control limit.** Diethyl Ether, Vinyl Chloride
BD80807-MS1	**Matrix Spike recovery is below lower control limit.** 1,1-Dichloroethane
BD80807-MSD1	**Due to high target values, matrix spike is masked.** 1,1,1-Trichloroethane, Tetrachloroethene, Trichloroethene
BD80807-MSD1	**Matrix Spike recovery is above upper control limit.** Diethyl Ether, Vinyl Chloride
BD80807-MSD1	**Matrix Spike recovery is below lower control limit.** 1,1-Dichloroethane
BD80807-MSD1	**Relative percent difference for duplicate is outside of criteria.** 1,1,1-Trichloroethane
BD80909-BSD1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BRD0073-CCV1	**Continuing Calibration recovery is below lower control limit.** 1,4-Dioxane - Screen, Bromomethane
BRD0085-CCV1	**Continuing Calibration recovery is below lower control limit.** 1,4-Dioxane - Screen

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227D01
Date Sampled: 03/31/08 10:18
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-01
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/07/08
1,1,1-Trichloroethane	**0.224**	mg/L	0.0500	0.2	50	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/07/08
1,1,2-Trichloroethane	**0.0033**	mg/L	0.0010	0.005	1	04/07/08
1,1-Dichloroethane	**0.0143**	mg/L	0.0010		1	04/07/08
1,1-Dichloroethene	**0.158**	mg/L	0.0500	0.007	50	04/08/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/07/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/07/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/07/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/07/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/07/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/07/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,2-Dichloroethane	**0.0013**	mg/L	0.0010	0.005	1	04/07/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/07/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/07/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/07/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/07/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
2-Butanone	ND	mg/L	0.0250		1	04/07/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
2-Hexanone	ND	mg/L	0.0100		1	04/07/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/07/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/07/08
Acetone	ND	mg/L	0.0250		1	04/07/08
Benzene	ND	mg/L	0.0010	0.005	1	04/07/08
Bromobenzene	ND	mg/L	0.0020		1	04/07/08
Bromochloromethane	ND	mg/L	0.0010		1	04/07/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/07/08
Bromoform	ND	mg/L	0.0010		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227D01
Date Sampled: 03/31/08 10:18
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-01
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/07/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/07/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/07/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/07/08
Chloroethane	ND	mg/L	0.0020		1	04/07/08
Chloroform	**0.0218**	mg/L	0.0010		1	04/07/08
Chloromethane	ND	mg/L	0.0020		1	04/07/08
cis-1,2-Dichloroethene	**0.0985**	mg/L	0.0500	0.07	50	04/08/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/07/08
Dibromomethane	ND	mg/L	0.0010		1	04/07/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/07/08
Diethyl Ether	ND	mg/L	0.0010		1	04/07/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/07/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/07/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/07/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/07/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/07/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/07/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/07/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/07/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/07/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/07/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Styrene	ND	mg/L	0.0010	0.1	1	04/07/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/07/08
Tetrachloroethene	**0.0047**	mg/L	0.0010	0.005	1	04/07/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/07/08
Toluene	ND	mg/L	0.0010	1	1	04/07/08
trans-1,2-Dichloroethene	**0.0114**	mg/L	0.0010	0.1	1	04/07/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Trichloroethene	**3.94**	mg/L	0.0500	0.005	50	04/08/08
Trichlorofluoromethane	**0.0013**	mg/L	0.0010		1	04/07/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227D01
Date Sampled: 03/31/08 10:18
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-01
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/07/08
Xylene O	ND	mg/L	0.0010	10	1	04/07/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/07/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/07/08
Trihalomethanes (Total)	**0.0218**	mg/L	0.0036	0.1		04/07/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*105 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227S01
Date Sampled: 03/31/08 12:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-02
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/07/08
1,1,1-Trichloroethane	**0.432**	mg/L	0.0100	0.2	10	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/07/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,1-Dichloroethane	**0.105**	mg/L	0.0100		10	04/08/08
1,1-Dichloroethene	**0.0128**	mg/L	0.0010	0.007	1	04/07/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/07/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/07/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/07/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/07/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/07/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/07/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/07/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/07/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/07/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/07/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
2-Butanone	ND	mg/L	0.0250		1	04/07/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
2-Hexanone	ND	mg/L	0.0100		1	04/07/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/07/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/07/08
Acetone	ND	mg/L	0.0250		1	04/07/08
Benzene	ND	mg/L	0.0010	0.005	1	04/07/08
Bromobenzene	ND	mg/L	0.0020		1	04/07/08
Bromochloromethane	ND	mg/L	0.0010		1	04/07/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/07/08
Bromoform	ND	mg/L	0.0010		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227S01
Date Sampled: 03/31/08 12:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-02
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/07/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/07/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/07/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/07/08
Chloroethane	**0.0023**	mg/L	0.0020		1	04/07/08
Chloroform	**0.0078**	mg/L	0.0010		1	04/07/08
Chloromethane	ND	mg/L	0.0020		1	04/07/08
cis-1,2-Dichloroethene	**0.0389**	mg/L	0.0010	0.07	1	04/07/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/07/08
Dibromomethane	ND	mg/L	0.0010		1	04/07/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/07/08
Diethyl Ether	ND	mg/L	0.0010		1	04/07/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/07/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/07/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/07/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/07/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/07/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/07/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/07/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/07/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/07/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/07/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Styrene	ND	mg/L	0.0010	0.1	1	04/07/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/07/08
Tetrachloroethene	**0.0221**	mg/L	0.0010	0.005	1	04/07/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/07/08
Toluene	ND	mg/L	0.0010	1	1	04/07/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/07/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Trichloroethene	**0.348**	mg/L	0.0100	0.005	10	04/08/08
Trichlorofluoromethane	**0.0062**	mg/L	0.0010		1	04/07/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227S01
Date Sampled: 03/31/08 12:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-02
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/07/08
Xylene O	ND	mg/L	0.0010	10	1	04/07/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/07/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/07/08
Trihalomethanes (Total)	**0.0078**	mg/L	0.0036	0.1		04/07/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*105 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227S01 Dup
Date Sampled: 03/31/08 12:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-03
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/08/08
1,1,1-Trichloroethane	**0.400**	mg/L	0.0100	0.2	10	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/08/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,1-Dichloroethane	**0.101**	mg/L	0.0100		10	04/08/08
1,1-Dichloroethene	**0.0130**	mg/L	0.0010	0.007	1	04/08/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/08/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/08/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/08/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/08/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/08/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/08/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/08/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/08/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/08/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/08/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
2-Butanone	ND	mg/L	0.0250		1	04/08/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
2-Hexanone	ND	mg/L	0.0100		1	04/08/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/08/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/08/08
Acetone	ND	mg/L	0.0250		1	04/08/08
Benzene	ND	mg/L	0.0010	0.005	1	04/08/08
Bromobenzene	ND	mg/L	0.0020		1	04/08/08
Bromochloromethane	ND	mg/L	0.0010		1	04/08/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/08/08
Bromoform	ND	mg/L	0.0010		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227S01 Dup
Date Sampled: 03/31/08 12:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-03
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/08/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/08/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/08/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/08/08
Chloroethane	**0.0023**	mg/L	0.0020		1	04/08/08
Chloroform	**0.0079**	mg/L	0.0010		1	04/08/08
Chloromethane	ND	mg/L	0.0020		1	04/08/08
cis-1,2-Dichloroethene	**0.0384**	mg/L	0.0010	0.07	1	04/08/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/08/08
Dibromomethane	ND	mg/L	0.0010		1	04/08/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/08/08
Diethyl Ether	ND	mg/L	0.0010		1	04/08/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/08/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/08/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/08/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/08/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/08/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/08/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/08/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/08/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/08/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/08/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Styrene	ND	mg/L	0.0010	0.1	1	04/08/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/08/08
Tetrachloroethene	**0.0213**	mg/L	0.0010	0.005	1	04/08/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/08/08
Toluene	ND	mg/L	0.0010	1	1	04/08/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/08/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Trichloroethene	**0.312**	mg/L	0.0100	0.005	10	04/08/08
Trichlorofluoromethane	**0.0062**	mg/L	0.0010		1	04/08/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 227S01 Dup
Date Sampled: 03/31/08 12:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-03
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/08/08
Xylene O	ND	mg/L	0.0010	10	1	04/08/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/08/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/08/08
Trihalomethanes (Total)	**0.0079**	mg/L	0.0036	0.1		04/08/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*106 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 220S01
Date Sampled: 03/31/08 14:25
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-04
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/09/08
1,1,1-Trichloroethane	**0.0696**	mg/L	0.0010	0.2	1	04/09/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/09/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/09/08
1,1-Dichloroethane	**0.131**	mg/L	0.100		100	04/07/08
1,1-Dichloroethene	**0.0045**	mg/L	0.0010	0.007	1	04/09/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/09/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/09/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/09/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/09/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/09/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/09/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/09/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/09/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/09/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/09/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/09/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/09/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/09/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/09/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/09/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/09/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/09/08
2-Butanone	ND	mg/L	0.0250		1	04/09/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/09/08
2-Hexanone	ND	mg/L	0.0100		1	04/09/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/09/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/09/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/09/08
Acetone	ND	mg/L	0.0250		1	04/09/08
Benzene	ND	mg/L	0.0010	0.005	1	04/09/08
Bromobenzene	ND	mg/L	0.0020		1	04/09/08
Bromochloromethane	ND	mg/L	0.0010		1	04/09/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/09/08
Bromoform	ND	mg/L	0.0010		1	04/09/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 220S01
Date Sampled: 03/31/08 14:25
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-04
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/09/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/09/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/09/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/09/08
Chloroethane	**0.0133**	mg/L	0.0020		1	04/09/08
Chloroform	ND	mg/L	0.0010		1	04/09/08
Chloromethane	ND	mg/L	0.0020		1	04/09/08
cis-1,2-Dichloroethene	**0.108**	mg/L	0.100	0.07	100	04/07/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/09/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/09/08
Dibromomethane	ND	mg/L	0.0010		1	04/09/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/09/08
Diethyl Ether	ND	mg/L	0.0010		1	04/09/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/09/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/09/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/09/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/09/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/09/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/09/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/09/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/09/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/09/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/09/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
Styrene	ND	mg/L	0.0010	0.1	1	04/09/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/09/08
Tetrachloroethene	**0.0011**	mg/L	0.0010	0.005	1	04/09/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/09/08
Toluene	ND	mg/L	0.0010	1	1	04/09/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/09/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/09/08
Trichloroethene	**0.0232**	mg/L	0.0010	0.005	1	04/09/08
Trichlorofluoromethane	**0.0016**	mg/L	0.0010		1	04/09/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/09/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 220S01
Date Sampled: 03/31/08 14:25
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-04
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/09/08
Xylene O	ND	mg/L	0.0010	10	1	04/09/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/09/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/09/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/09/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*110 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 221S01
Date Sampled: 03/31/08 16:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-05
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/08/08
1,1,1-Trichloroethane	**0.0248**	mg/L	0.0010	0.2	1	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/08/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,1-Dichloroethane	**0.102**	mg/L	0.100		100	04/07/08
1,1-Dichloroethene	**0.0010**	mg/L	0.0010	0.007	1	04/08/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/08/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/08/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/08/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/08/08
1,2,4-Trimethylbenzene	**0.0267**	mg/L	0.0010		1	04/08/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/08/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/08/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/08/08
1,3,5-Trimethylbenzene	**0.0063**	mg/L	0.0010		1	04/08/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/08/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/08/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/08/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
2-Butanone	ND	mg/L	0.0250		1	04/08/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
2-Hexanone	ND	mg/L	0.0100		1	04/08/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
4-Isopropyltoluene	**0.0013**	mg/L	0.0010		1	04/08/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/08/08
Acetone	ND	mg/L	0.0250		1	04/08/08
Benzene	**0.0016**	mg/L	0.0010	0.005	1	04/08/08
Bromobenzene	ND	mg/L	0.0020		1	04/08/08
Bromochloromethane	ND	mg/L	0.0010		1	04/08/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/08/08
Bromoform	ND	mg/L	0.0010		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 221S01
Date Sampled: 03/31/08 16:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-05
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/08/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/08/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/08/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/08/08
Chloroethane	**0.0340**	mg/L	0.0020		1	04/08/08
Chloroform	ND	mg/L	0.0010		1	04/08/08
Chloromethane	ND	mg/L	0.0020		1	04/08/08
cis-1,2-Dichloroethene	**0.0264**	mg/L	0.0010	0.07	1	04/08/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/08/08
Dibromomethane	ND	mg/L	0.0010		1	04/08/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/08/08
Diethyl Ether	ND	mg/L	0.0010		1	04/08/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/08/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/08/08
Ethylbenzene	**0.0077**	mg/L	0.0010	0.7	1	04/08/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/08/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/08/08
Isopropylbenzene	**0.0017**	mg/L	0.0010		1	04/08/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/08/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/08/08
Naphthalene	**0.0284**	mg/L	0.0010	0.02	1	04/08/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
n-Propylbenzene	**0.0026**	mg/L	0.0010		1	04/08/08
sec-Butylbenzene	**0.0011**	mg/L	0.0010		1	04/08/08
Styrene	ND	mg/L	0.0010	0.1	1	04/08/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/08/08
Tetrachloroethene	**0.0030**	mg/L	0.0010	0.005	1	04/08/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/08/08
Toluene	**0.0014**	mg/L	0.0010	1	1	04/08/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/08/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Trichloroethene	**0.0175**	mg/L	0.0010	0.005	1	04/08/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/08/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 221S01
Date Sampled: 03/31/08 16:30
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-05
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	**0.0249**	mg/L	0.0010	0.002	1	04/08/08
Xylene O	**0.0137**	mg/L	0.0010	10	1	04/08/08
Xylene P,M	**0.0074**	mg/L	0.0020	10	1	04/08/08
Xylenes (Total)	**0.0211**	mg/L	0.0030	10	1	04/08/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/08/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*113 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*106 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228D01
Date Sampled: 04/01/08 10:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-06
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/09/08
1,1,1-Trichloroethane	**0.0035**	mg/L	0.0010	0.2	1	04/09/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/09/08
1,1,2-Trichloroethane	**0.0014**	mg/L	0.0010	0.005	1	04/09/08
1,1-Dichloroethane	**0.0097**	mg/L	0.0010		1	04/09/08
1,1-Dichloroethene	**0.0422**	mg/L	0.0010	0.007	1	04/09/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/09/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/09/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/09/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/09/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/09/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/09/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/09/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/09/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/09/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/09/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/09/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/09/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/09/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/09/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/09/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/09/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/09/08
2-Butanone	ND	mg/L	0.0250		1	04/09/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/09/08
2-Hexanone	ND	mg/L	0.0100		1	04/09/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/09/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/09/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/09/08
Acetone	ND	mg/L	0.0250		1	04/09/08
Benzene	ND	mg/L	0.0010	0.005	1	04/09/08
Bromobenzene	ND	mg/L	0.0020		1	04/09/08
Bromochloromethane	ND	mg/L	0.0010		1	04/09/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/09/08
Bromoform	ND	mg/L	0.0010		1	04/09/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228D01
Date Sampled: 04/01/08 10:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-06
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/09/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/09/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/09/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/09/08
Chloroethane	ND	mg/L	0.0020		1	04/09/08
Chloroform	**0.0016**	mg/L	0.0010		1	04/09/08
Chloromethane	ND	mg/L	0.0020		1	04/09/08
cis-1,2-Dichloroethene	**0.0764**	mg/L	0.0010	0.07	1	04/09/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/09/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/09/08
Dibromomethane	ND	mg/L	0.0010		1	04/09/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/09/08
Diethyl Ether	ND	mg/L	0.0010		1	04/09/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/09/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/09/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/09/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/09/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/09/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/09/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/09/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/09/08
Naphthalene	**0.0023**	mg/L	0.0010	0.02	1	04/09/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/09/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
Styrene	ND	mg/L	0.0010	0.1	1	04/09/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/09/08
Tetrachloroethene	**0.0054**	mg/L	0.0010	0.005	1	04/09/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/09/08
Toluene	ND	mg/L	0.0010	1	1	04/09/08
trans-1,2-Dichloroethene	**0.0084**	mg/L	0.0010	0.1	1	04/09/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/09/08
Trichloroethene	**0.912**	mg/L	0.0500	0.005	50	04/09/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/09/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/09/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228D01
Date Sampled: 04/01/08 10:15
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-06
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	**0.0019**	mg/L	0.0010	0.002	1	04/09/08
Xylene O	ND	mg/L	0.0010	10	1	04/09/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/09/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/09/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/09/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*105 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228S01
Date Sampled: 04/01/08 14:42
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-07
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/08/08
1,1,1-Trichloroethane	**0.114**	mg/L	0.0500	0.2	50	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/08/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,1-Dichloroethane	**0.0443**	mg/L	0.0010		1	04/08/08
1,1-Dichloroethene	**0.0103**	mg/L	0.0010	0.007	1	04/08/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/08/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/08/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/08/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/08/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/08/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/08/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/08/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/08/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/08/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/08/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
2-Butanone	ND	mg/L	0.0250		1	04/08/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
2-Hexanone	ND	mg/L	0.0100		1	04/08/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/08/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/08/08
Acetone	ND	mg/L	0.0250		1	04/08/08
Benzene	ND	mg/L	0.0010	0.005	1	04/08/08
Bromobenzene	ND	mg/L	0.0020		1	04/08/08
Bromochloromethane	ND	mg/L	0.0010		1	04/08/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/08/08
Bromoform	ND	mg/L	0.0010		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228S01
Date Sampled: 04/01/08 14:42
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-07
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/08/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/08/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/08/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/08/08
Chloroethane	ND	mg/L	0.0020		1	04/08/08
Chloroform	ND	mg/L	0.0010		1	04/08/08
Chloromethane	ND	mg/L	0.0020		1	04/08/08
cis-1,2-Dichloroethene	**0.0165**	mg/L	0.0010	0.07	1	04/08/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/08/08
Dibromomethane	ND	mg/L	0.0010		1	04/08/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/08/08
Diethyl Ether	ND	mg/L	0.0010		1	04/08/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/08/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/08/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/08/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/08/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/08/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/08/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/08/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/08/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/08/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/08/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Styrene	ND	mg/L	0.0010	0.1	1	04/08/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/08/08
Tetrachloroethene	**3.61**	mg/L	0.0500	0.005	50	04/08/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/08/08
Toluene	ND	mg/L	0.0010	1	1	04/08/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/08/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Trichloroethene	**0.578**	mg/L	0.0500	0.005	50	04/08/08
Trichlorofluoromethane	**0.0040**	mg/L	0.0010		1	04/08/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228S01
Date Sampled: 04/01/08 14:42
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-07
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/08/08
Xylene O	ND	mg/L	0.0010	10	1	04/08/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/08/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/08/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/08/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228S01 Dup
Date Sampled: 04/01/08 12:20
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-08
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/09/08
1,1,1-Trichloroethane	**0.106**	mg/L	0.0500	0.2	50	04/09/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/09/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/09/08
1,1-Dichloroethane	**0.0432**	mg/L	0.0010		1	04/09/08
1,1-Dichloroethene	**0.0096**	mg/L	0.0010	0.007	1	04/09/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/09/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/09/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/09/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/09/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/09/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/09/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/09/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/09/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/09/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/09/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/09/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/09/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/09/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/09/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/09/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/09/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/09/08
2-Butanone	ND	mg/L	0.0250		1	04/09/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/09/08
2-Hexanone	ND	mg/L	0.0100		1	04/09/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/09/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/09/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/09/08
Acetone	ND	mg/L	0.0250		1	04/09/08
Benzene	ND	mg/L	0.0010	0.005	1	04/09/08
Bromobenzene	ND	mg/L	0.0020		1	04/09/08
Bromochloromethane	ND	mg/L	0.0010		1	04/09/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/09/08
Bromoform	ND	mg/L	0.0010		1	04/09/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228S01 Dup
Date Sampled: 04/01/08 12:20
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-08
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/09/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/09/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/09/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/09/08
Chloroethane	ND	mg/L	0.0020		1	04/09/08
Chloroform	ND	mg/L	0.0010		1	04/09/08
Chloromethane	ND	mg/L	0.0020		1	04/09/08
cis-1,2-Dichloroethene	**0.0162**	mg/L	0.0010	0.07	1	04/09/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/09/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/09/08
Dibromomethane	ND	mg/L	0.0010		1	04/09/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/09/08
Diethyl Ether	ND	mg/L	0.0010		1	04/09/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/09/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/09/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/09/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/09/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/09/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/09/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/09/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/09/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/09/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/09/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
Styrene	ND	mg/L	0.0010	0.1	1	04/09/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/09/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/09/08
Tetrachloroethene	**3.52**	mg/L	0.0500	0.005	50	04/09/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/09/08
Toluene	ND	mg/L	0.0010	1	1	04/09/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/09/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/09/08
Trichloroethene	**0.542**	mg/L	0.0500	0.005	50	04/09/08
Trichlorofluoromethane	**0.0037**	mg/L	0.0010		1	04/09/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/09/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 228S01 Dup
Date Sampled: 04/01/08 12:20
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-08
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/09/08
Xylene O	ND	mg/L	0.0010	10	1	04/09/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/09/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/09/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/09/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*98 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 230D01
Date Sampled: 04/01/08 14:42
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-09
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/08/08
1,1,1-Trichloroethane	**0.0682**	mg/L	0.0010	0.2	1	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/08/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,1-Dichloroethane	**0.0106**	mg/L	0.0010		1	04/08/08
1,1-Dichloroethene	**0.0124**	mg/L	0.0010	0.007	1	04/08/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/08/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/08/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/08/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/08/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/08/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/08/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/08/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/08/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/08/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/08/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
2-Butanone	ND	mg/L	0.0250		1	04/08/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
2-Hexanone	ND	mg/L	0.0100		1	04/08/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/08/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/08/08
Acetone	ND	mg/L	0.0250		1	04/08/08
Benzene	ND	mg/L	0.0010	0.005	1	04/08/08
Bromobenzene	ND	mg/L	0.0020		1	04/08/08
Bromochloromethane	ND	mg/L	0.0010		1	04/08/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/08/08
Bromoform	ND	mg/L	0.0010		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 230D01
Date Sampled: 04/01/08 14:42
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-09
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/08/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/08/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/08/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/08/08
Chloroethane	ND	mg/L	0.0020		1	04/08/08
Chloroform	**0.0019**	mg/L	0.0010		1	04/08/08
Chloromethane	ND	mg/L	0.0020		1	04/08/08
cis-1,2-Dichloroethene	**0.0122**	mg/L	0.0010	0.07	1	04/08/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/08/08
Dibromomethane	ND	mg/L	0.0010		1	04/08/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/08/08
Diethyl Ether	ND	mg/L	0.0010		1	04/08/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/08/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/08/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/08/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/08/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/08/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/08/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/08/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/08/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/08/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/08/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Styrene	ND	mg/L	0.0010	0.1	1	04/08/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/08/08
Tetrachloroethene	**0.0026**	mg/L	0.0010	0.005	1	04/08/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/08/08
Toluene	ND	mg/L	0.0010	1	1	04/08/08
trans-1,2-Dichloroethene	**0.0015**	mg/L	0.0010	0.1	1	04/08/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Trichloroethene	**0.521**	mg/L	0.0200	0.005	20	04/08/08
Trichlorofluoromethane	**0.0097**	mg/L	0.0010		1	04/08/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 230D01
Date Sampled: 04/01/08 14:42
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-09
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/08/08
Xylene O	ND	mg/L	0.0010	10	1	04/08/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/08/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/08/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/08/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*107 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*100 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 230S01
Date Sampled: 04/01/08 16:05
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-10
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/07/08
1,1,1-Trichloroethane	**0.536**	mg/L	0.0100	0.2	10	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/07/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,1-Dichloroethane	**0.0400**	mg/L	0.0010		1	04/07/08
1,1-Dichloroethene	**0.0086**	mg/L	0.0010	0.007	1	04/07/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/07/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/07/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/07/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/07/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/07/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/07/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/07/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/07/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/07/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/07/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
2-Butanone	ND	mg/L	0.0250		1	04/07/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
2-Hexanone	ND	mg/L	0.0100		1	04/07/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/07/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/07/08
Acetone	ND	mg/L	0.0250		1	04/07/08
Benzene	ND	mg/L	0.0010	0.005	1	04/07/08
Bromobenzene	ND	mg/L	0.0020		1	04/07/08
Bromochloromethane	ND	mg/L	0.0010		1	04/07/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/07/08
Bromoform	ND	mg/L	0.0010		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 230S01
Date Sampled: 04/01/08 16:05
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-10
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/07/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/07/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/07/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/07/08
Chloroethane	ND	mg/L	0.0020		1	04/07/08
Chloroform	ND	mg/L	0.0010		1	04/07/08
Chloromethane	ND	mg/L	0.0020		1	04/07/08
cis-1,2-Dichloroethene	**0.0141**	mg/L	0.0010	0.07	1	04/07/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/07/08
Dibromomethane	ND	mg/L	0.0010		1	04/07/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/07/08
Diethyl Ether	ND	mg/L	0.0010		1	04/07/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/07/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/07/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/07/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/07/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/07/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/07/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/07/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/07/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/07/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/07/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Styrene	ND	mg/L	0.0010	0.1	1	04/07/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/07/08
Tetrachloroethene	**0.0021**	mg/L	0.0010	0.005	1	04/07/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/07/08
Toluene	ND	mg/L	0.0010	1	1	04/07/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/07/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Trichloroethene	**0.182**	mg/L	0.0100	0.005	10	04/08/08
Trichlorofluoromethane	**0.0042**	mg/L	0.0010		1	04/07/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 230S01
Date Sampled: 04/01/08 16:05
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-10
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/07/08
Xylene O	ND	mg/L	0.0010	10	1	04/07/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/07/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/07/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/07/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*113 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*106 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 226S01
Date Sampled: 04/02/08 09:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-11
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/07/08
1,1,1-Trichloroethane	**0.348**	mg/L	0.0100	0.2	10	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/07/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,1-Dichloroethane	**0.0632**	mg/L	0.0010		1	04/07/08
1,1-Dichloroethene	**0.0099**	mg/L	0.0010	0.007	1	04/07/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/07/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/07/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/07/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/07/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/07/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/07/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/07/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/07/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/07/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/07/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
2-Butanone	ND	mg/L	0.0250		1	04/07/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
2-Hexanone	ND	mg/L	0.0100		1	04/07/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/07/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/07/08
Acetone	ND	mg/L	0.0250		1	04/07/08
Benzene	ND	mg/L	0.0010	0.005	1	04/07/08
Bromobenzene	ND	mg/L	0.0020		1	04/07/08
Bromochloromethane	ND	mg/L	0.0010		1	04/07/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/07/08
Bromoform	ND	mg/L	0.0010		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 226S01
Date Sampled: 04/02/08 09:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-11
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/07/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/07/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/07/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/07/08
Chloroethane	ND	mg/L	0.0020		1	04/07/08
Chloroform	ND	mg/L	0.0010		1	04/07/08
Chloromethane	ND	mg/L	0.0020		1	04/07/08
cis-1,2-Dichloroethene	**0.0140**	mg/L	0.0010	0.07	1	04/07/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/07/08
Dibromomethane	ND	mg/L	0.0010		1	04/07/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/07/08
Diethyl Ether	ND	mg/L	0.0010		1	04/07/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/07/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/07/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/07/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/07/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/07/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/07/08
Methyl tert-Butyl Ether	**0.0012**	mg/L	0.0010	0.04	1	04/07/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/07/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/07/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/07/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Styrene	ND	mg/L	0.0010	0.1	1	04/07/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/07/08
Tetrachloroethene	**0.418**	mg/L	0.0100	0.005	10	04/08/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/07/08
Toluene	ND	mg/L	0.0010	1	1	04/07/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/07/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Trichloroethene	**0.324**	mg/L	0.0100	0.005	10	04/08/08
Trichlorofluoromethane	**0.0047**	mg/L	0.0010		1	04/07/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 226S01
Date Sampled: 04/02/08 09:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-11
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/07/08
Xylene O	ND	mg/L	0.0010	10	1	04/07/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/07/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/07/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/07/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*111 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*106 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 229S01
Date Sampled: 04/02/08 10:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-12
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/07/08
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.2	1	04/07/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/07/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,1-Dichloroethane	ND	mg/L	0.0010		1	04/07/08
1,1-Dichloroethene	ND	mg/L	0.0010	0.007	1	04/07/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/07/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/07/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/07/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/07/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/07/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/07/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/07/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/07/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/07/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/07/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
2-Butanone	ND	mg/L	0.0250		1	04/07/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
2-Hexanone	ND	mg/L	0.0100		1	04/07/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/07/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/07/08
Acetone	ND	mg/L	0.0250		1	04/07/08
Benzene	ND	mg/L	0.0010	0.005	1	04/07/08
Bromobenzene	ND	mg/L	0.0020		1	04/07/08
Bromochloromethane	ND	mg/L	0.0010		1	04/07/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/07/08
Bromoform	ND	mg/L	0.0010		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 229S01
Date Sampled: 04/02/08 10:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-12
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/07/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/07/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/07/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/07/08
Chloroethane	ND	mg/L	0.0020		1	04/07/08
Chloroform	ND	mg/L	0.0010		1	04/07/08
Chloromethane	ND	mg/L	0.0020		1	04/07/08
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.07	1	04/07/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/07/08
Dibromomethane	ND	mg/L	0.0010		1	04/07/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/07/08
Diethyl Ether	ND	mg/L	0.0010		1	04/07/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/07/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/07/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/07/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/07/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/07/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/07/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/07/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/07/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/07/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/07/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Styrene	ND	mg/L	0.0010	0.1	1	04/07/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/07/08
Tetrachloroethene	**0.0744**	mg/L	0.0100	0.005	10	04/08/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/07/08
Toluene	ND	mg/L	0.0010	1	1	04/07/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/07/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Trichloroethene	ND	mg/L	0.0010	0.005	1	04/07/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/07/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 229S01
Date Sampled: 04/02/08 10:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-12
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/07/08
Xylene O	ND	mg/L	0.0010	10	1	04/07/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/07/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/07/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/07/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*112 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*98 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 226D01
Date Sampled: 04/02/08 08:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-13
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/07/08
1,1,1-Trichloroethane	**0.0045**	mg/L	0.0010	0.2	1	04/07/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/07/08
1,1,2-Trichloroethane	**0.0022**	mg/L	0.0010	0.005	1	04/07/08
1,1-Dichloroethane	**0.0069**	mg/L	0.0010		1	04/07/08
1,1-Dichloroethene	**0.0798**	mg/L	0.0010	0.007	1	04/07/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/07/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/07/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/07/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/07/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/07/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/07/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/07/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/07/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/07/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/07/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/07/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/07/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/07/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/07/08
2-Butanone	ND	mg/L	0.0250		1	04/07/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
2-Hexanone	ND	mg/L	0.0100		1	04/07/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/07/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/07/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/07/08
Acetone	ND	mg/L	0.0250		1	04/07/08
Benzene	ND	mg/L	0.0010	0.005	1	04/07/08
Bromobenzene	ND	mg/L	0.0020		1	04/07/08
Bromochloromethane	ND	mg/L	0.0010		1	04/07/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/07/08
Bromoform	ND	mg/L	0.0010		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 226D01
Date Sampled: 04/02/08 08:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-13
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/07/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/07/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/07/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/07/08
Chloroethane	ND	mg/L	0.0020		1	04/07/08
Chloroform	ND	mg/L	0.0010		1	04/07/08
Chloromethane	ND	mg/L	0.0020		1	04/07/08
cis-1,2-Dichloroethene	**0.162**	mg/L	0.0500	0.07	50	04/08/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/07/08
Dibromomethane	ND	mg/L	0.0010		1	04/07/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/07/08
Diethyl Ether	ND	mg/L	0.0010		1	04/07/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/07/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/07/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/07/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/07/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/07/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/07/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/07/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/07/08
Naphthalene	**0.0012**	mg/L	0.0010	0.02	1	04/07/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/07/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Styrene	ND	mg/L	0.0010	0.1	1	04/07/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/07/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/07/08
Tetrachloroethene	**0.0107**	mg/L	0.0010	0.005	1	04/07/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/07/08
Toluene	ND	mg/L	0.0010	1	1	04/07/08
trans-1,2-Dichloroethene	**0.0246**	mg/L	0.0010	0.1	1	04/07/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/07/08
Trichloroethene	**4.87**	mg/L	0.0500	0.005	50	04/08/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/07/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/07/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: MW 226D01
Date Sampled: 04/02/08 08:50
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-13
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	**0.0030**	mg/L	0.0010	0.002	1	04/07/08
Xylene O	ND	mg/L	0.0010	10	1	04/07/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/07/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/07/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/07/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*109 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*96 %*		*70-130*
Surrogate: Dibromofluoromethane	*103 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: Equipment Blank
Date Sampled: 04/01/08 17:05
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-14
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - GA Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010		1	04/08/08
1,1,1-Trichloroethane	ND	mg/L	0.0010	0.2	1	04/08/08
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0005		1	04/08/08
1,1,2-Trichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,1-Dichloroethane	ND	mg/L	0.0010		1	04/08/08
1,1-Dichloroethene	ND	mg/L	0.0010	0.007	1	04/08/08
1,1-Dichloropropene	ND	mg/L	0.0020		1	04/08/08
1,2,3-Trichlorobenzene	ND	mg/L	0.0010		1	04/08/08
1,2,3-Trichloropropane	ND	mg/L	0.0010		1	04/08/08
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	0.07	1	04/08/08
1,2,4-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,2-Dibromo-3-Chloropropane	ND	mg/L	0.0050	0.0002	1	04/08/08
1,2-Dibromoethane	ND	mg/L	0.0010	0.00005	1	04/08/08
1,2-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,2-Dichloroethane	ND	mg/L	0.0010	0.005	1	04/08/08
1,2-Dichloropropane	ND	mg/L	0.0010	0.005	1	04/08/08
1,3,5-Trimethylbenzene	ND	mg/L	0.0010		1	04/08/08
1,3-Dichlorobenzene	ND	mg/L	0.0010	0.6	1	04/08/08
1,3-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
1,4-Dichlorobenzene	ND	mg/L	0.0010	0.075	1	04/08/08
1,4-Dioxane - Screen	ND	mg/L	0.500		1	04/08/08
1-Chlorohexane	ND	mg/L	0.0010		1	04/08/08
2,2-Dichloropropane	ND	mg/L	0.0010		1	04/08/08
2-Butanone	ND	mg/L	0.0250		1	04/08/08
2-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
2-Hexanone	ND	mg/L	0.0100		1	04/08/08
4-Chlorotoluene	ND	mg/L	0.0010		1	04/08/08
4-Isopropyltoluene	ND	mg/L	0.0010		1	04/08/08
4-Methyl-2-Pentanone	ND	mg/L	0.0250		1	04/08/08
Acetone	ND	mg/L	0.0250		1	04/08/08
Benzene	ND	mg/L	0.0010	0.005	1	04/08/08
Bromobenzene	ND	mg/L	0.0020		1	04/08/08
Bromochloromethane	ND	mg/L	0.0010		1	04/08/08
Bromodichloromethane	ND	mg/L	0.0006		1	04/08/08
Bromoform	ND	mg/L	0.0010		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: Equipment Blank
Date Sampled: 04/01/08 17:05
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-14
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Bromomethane	ND	mg/L	0.0020		1	04/08/08
Carbon Disulfide	ND	mg/L	0.0010		1	04/08/08
Carbon Tetrachloride	ND	mg/L	0.0010	0.005	1	04/08/08
Chlorobenzene	ND	mg/L	0.0010	0.1	1	04/08/08
Chloroethane	ND	mg/L	0.0020		1	04/08/08
Chloroform	**0.0014**	mg/L	0.0010		1	04/08/08
Chloromethane	ND	mg/L	0.0020		1	04/08/08
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.07	1	04/08/08
cis-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Dibromochloromethane	ND	mg/L	0.0010		1	04/08/08
Dibromomethane	ND	mg/L	0.0010		1	04/08/08
Dichlorodifluoromethane	ND	mg/L	0.0020		1	04/08/08
Diethyl Ether	ND	mg/L	0.0010		1	04/08/08
Di-isopropyl ether	ND	mg/L	0.0010		1	04/08/08
Ethyl tertiary-butyl ether	ND	mg/L	0.0010		1	04/08/08
Ethylbenzene	ND	mg/L	0.0010	0.7	1	04/08/08
Hexachlorobutadiene	ND	mg/L	0.0006		1	04/08/08
Hexachloroethane	ND	mg/L	0.0010	1	1	04/08/08
Isopropylbenzene	ND	mg/L	0.0010		1	04/08/08
Methyl tert-Butyl Ether	ND	mg/L	0.0010	0.04	1	04/08/08
Methylene Chloride	ND	mg/L	0.0040	0.005	1	04/08/08
Naphthalene	ND	mg/L	0.0010	0.02	1	04/08/08
n-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
n-Propylbenzene	ND	mg/L	0.0010		1	04/08/08
sec-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Styrene	ND	mg/L	0.0010	0.1	1	04/08/08
tert-Butylbenzene	ND	mg/L	0.0010		1	04/08/08
Tertiary-amyl methyl ether	ND	mg/L	0.0010		1	04/08/08
Tetrachloroethene	ND	mg/L	0.0010	0.005	1	04/08/08
Tetrahydrofuran	ND	mg/L	0.0050		1	04/08/08
Toluene	ND	mg/L	0.0010	1	1	04/08/08
trans-1,2-Dichloroethene	ND	mg/L	0.0010	0.1	1	04/08/08
trans-1,3-Dichloropropene	ND	mg/L	0.0004		1	04/08/08
Trichloroethene	ND	mg/L	0.0010	0.005	1	04/08/08
Trichlorofluoromethane	ND	mg/L	0.0010		1	04/08/08
Vinyl Acetate	ND	mg/L	0.0050		1	04/08/08

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site
Client Sample ID: Equipment Blank
Date Sampled: 04/01/08 17:05
Percent Solids: N/A
Initial Volume: 10
Final Volume: 10
Extraction Method: 5030B

ESS Laboratory Work Order: 0804037
ESS Laboratory Sample ID: 0804037-14
Sample Matrix: Ground Water
Analyst: MD

8260B Volatile Organic Compounds

Vinyl Chloride	ND	mg/L	0.0010	0.002	1	04/08/08
Xylene O	ND	mg/L	0.0010	10	1	04/08/08
Xylene P,M	ND	mg/L	0.0020	10	1	04/08/08
Xylenes (Total)	ND	mg/L	0.0030	10	1	04/08/08
Trihalomethanes (Total)	ND	mg/L	0.0036	0.1		04/08/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*114 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*97 %*		*70-130*
Surrogate: Dibromofluoromethane	*105 %*		*70-130*
Surrogate: Toluene-d8	*96 %*		*70-130*

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80709 - 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	0.0250	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	0.0250	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							
Dibromochloromethane	ND	0.0010	mg/L							

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80709 - 5030B										
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	0.0040	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	*29.2*		ug/L	*25.00*		*117*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.6*		ug/L	*25.00*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*26.5*		ug/L	*25.00*		*106*	*70-130*			
Surrogate: Toluene-d8	*23.9*		ug/L	*25.00*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	9.94		ug/L	10.00		99	70-130			
1,1,1-Trichloroethane	10.2		ug/L	10.00		102	70-130			
1,1,2,2-Tetrachloroethane	9.23		ug/L	10.00		92	70-130			
1,1,2-Trichloroethane	9.59		ug/L	10.00		96	70-130			
1,1-Dichloroethane	9.91		ug/L	10.00		99	70-130			
1,1-Dichloroethene	10.5		ug/L	10.00		105	70-130			
1,1-Dichloropropene	9.55		ug/L	10.00		96	70-130			
1,2,3-Trichlorobenzene	8.57		ug/L	10.00		86	70-130			
1,2,3-Trichloropropane	8.73		ug/L	10.00		87	70-130			
1,2,4-Trichlorobenzene	8.65		ug/L	10.00		86	70-130			
1,2,4-Trimethylbenzene	9.30		ug/L	10.00		93	70-130			
1,2-Dibromo-3-Chloropropane	8.93		ug/L	10.00		89	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80709 - 5030B										
1,2-Dibromoethane	9.38		ug/L	10.00		94	70-130			
1,2-Dichlorobenzene	9.66		ug/L	10.00		97	70-130			
1,2-Dichloroethane	10.6		ug/L	10.00		106	70-130			
1,2-Dichloropropane	9.77		ug/L	10.00		98	70-130			
1,3,5-Trimethylbenzene	9.04		ug/L	10.00		90	70-130			
1,3-Dichlorobenzene	9.89		ug/L	10.00		99	70-130			
1,3-Dichloropropane	9.09		ug/L	10.00		91	70-130			
1,4-Dichlorobenzene	9.53		ug/L	10.00		95	70-130			
1,4-Dioxane - Screen	113		ug/L	200.0		57	0-332			
1-Chlorohexane	8.71		ug/L	10.00		87	70-130			
2,2-Dichloropropane	10.6		ug/L	10.00		106	70-130			
2-Butanone	47.2		ug/L	50.00		94	70-130			
2-Chlorotoluene	9.11		ug/L	10.00		91	70-130			
2-Hexanone	43.5		ug/L	50.00		87	70-130			
4-Chlorotoluene	8.75		ug/L	10.00		88	70-130			
4-Isopropyltoluene	9.02		ug/L	10.00		90	70-130			
4-Methyl-2-Pentanone	44.2		ug/L	50.00		88	70-130			
Acetone	62.8		ug/L	50.00		126	70-130			
Benzene	9.12		ug/L	10.00		91	70-130			
Bromobenzene	9.71		ug/L	10.00		97	70-130			
Bromochloromethane	10.0		ug/L	10.00		100	70-130			
Bromodichloromethane	11.3		ug/L	10.00		113	70-130			
Bromoform	9.74		ug/L	10.00		97	70-130			
Bromomethane	8.01		ug/L	10.00		80	70-130			
Carbon Disulfide	10.4		ug/L	10.00		104	70-130			
Carbon Tetrachloride	10.4		ug/L	10.00		104	70-130			
Chlorobenzene	9.65		ug/L	10.00		96	70-130			
Chloroethane	11.1		ug/L	10.00		111	70-130			
Chloroform	9.87		ug/L	10.00		99	70-130			
Chloromethane	8.43		ug/L	10.00		84	70-130			
cis-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130			
cis-1,3-Dichloropropene	9.88		ug/L	10.00		99	70-130			
Dibromochloromethane	10.4		ug/L	10.00		104	70-130			
Dibromomethane	9.25		ug/L	10.00		92	70-130			
Dichlorodifluoromethane	8.67		ug/L	10.00		87	70-130			
Diethyl Ether	10.4		ug/L	10.00		104	70-130			
Di-isopropyl ether	9.21		ug/L	10.00		92	70-130			
Ethyl tertiary-butyl ether	9.74		ug/L	10.00		97	70-130			
Ethylbenzene	8.91		ug/L	10.00		89	70-130			
Hexachlorobutadiene	9.28		ug/L	10.00		93	70-130			
Hexachloroethane	10.3		ug/L	10.00		103	70-130			
Isopropylbenzene	8.21		ug/L	10.00		82	70-130			
Methyl tert-Butyl Ether	9.96		ug/L	10.00		100	70-130			
Methylene Chloride	10.5		ug/L	10.00		105	70-130			
Naphthalene	8.81		ug/L	10.00		88	70-130			
n-Butylbenzene	8.98		ug/L	10.00		90	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80709 - 5030B										
n-Propylbenzene	8.97		ug/L	10.00		90	70-130			
sec-Butylbenzene	8.93		ug/L	10.00		89	70-130			
Styrene	8.97		ug/L	10.00		90	70-130			
tert-Butylbenzene	9.45		ug/L	10.00		94	70-130			
Tertiary-amyl methyl ether	9.71		ug/L	10.00		97	70-130			
Tetrachloroethene	9.12		ug/L	10.00		91	70-130			
Tetrahydrofuran	7.23		ug/L	10.00		72	70-130			
Toluene	9.35		ug/L	10.00		94	70-130			
trans-1,2-Dichloroethene	10.1		ug/L	10.00		101	70-130			
trans-1,3-Dichloropropene	8.60		ug/L	10.00		86	70-130			
Trichloroethene	9.50		ug/L	10.00		95	70-130			
Trichlorofluoromethane	9.78		ug/L	10.00		98	70-130			
Vinyl Acetate	8.58		ug/L	10.00		86	70-130			
Vinyl Chloride	13.2		ug/L	10.00		132	70-130			B+
Xylene O	9.12		ug/L	10.00		91	70-130			
Xylene P,M	18.7		ug/L	20.00		94	70-130			
Surrogate: 1,2-Dichloroethane-d4	*28.0*		ug/L	*25.00*		*112*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.7*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*27.0*		ug/L	*25.00*		*108*	*70-130*			
Surrogate: Toluene-d8	*24.0*		ug/L	*25.00*		*96*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	9.11		ug/L	10.00		91	70-130	9	20	
1,1,1-Trichloroethane	9.59		ug/L	10.00		96	70-130	6	20	
1,1,2,2-Tetrachloroethane	8.74		ug/L	10.00		87	70-130	5	20	
1,1,2-Trichloroethane	9.24		ug/L	10.00		92	70-130	4	20	
1,1-Dichloroethane	9.69		ug/L	10.00		97	70-130	2	20	
1,1-Dichloroethene	10.0		ug/L	10.00		100	70-130	4	20	
1,1-Dichloropropene	9.32		ug/L	10.00		93	70-130	2	20	
1,2,3-Trichlorobenzene	9.14		ug/L	10.00		91	70-130	6	20	
1,2,3-Trichloropropane	8.63		ug/L	10.00		86	70-130	1	20	
1,2,4-Trichlorobenzene	9.15		ug/L	10.00		92	70-130	6	20	
1,2,4-Trimethylbenzene	9.11		ug/L	10.00		91	70-130	2	20	
1,2-Dibromo-3-Chloropropane	8.60		ug/L	10.00		86	70-130	4	20	
1,2-Dibromoethane	8.86		ug/L	10.00		89	70-130	6	20	
1,2-Dichlorobenzene	9.53		ug/L	10.00		95	70-130	1	20	
1,2-Dichloroethane	10.5		ug/L	10.00		105	70-130	1	20	
1,2-Dichloropropane	9.43		ug/L	10.00		94	70-130	4	20	
1,3,5-Trimethylbenzene	8.85		ug/L	10.00		88	70-130	2	20	
1,3-Dichlorobenzene	9.43		ug/L	10.00		94	70-130	5	20	
1,3-Dichloropropane	8.81		ug/L	10.00		88	70-130	3	20	
1,4-Dichlorobenzene	9.35		ug/L	10.00		94	70-130	2	20	
1,4-Dioxane - Screen	173		ug/L	200.0		86	0-332	41	200	
1-Chlorohexane	8.42		ug/L	10.00		84	70-130	3	20	
2,2-Dichloropropane	9.97		ug/L	10.00		100	70-130	6	20	
2-Butanone	44.3		ug/L	50.00		89	70-130	6	20	
2-Chlorotoluene	8.93		ug/L	10.00		89	70-130	2	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80709 - 5030B										
2-Hexanone	41.8		ug/L	50.00		84	70-130	4	20	
4-Chlorotoluene	8.67		ug/L	10.00		87	70-130	0.9	20	
4-Isopropyltoluene	8.96		ug/L	10.00		90	70-130	0.7	20	
4-Methyl-2-Pentanone	45.8		ug/L	50.00		92	70-130	4	20	
Acetone	56.2		ug/L	50.00		112	70-130	11	20	
Benzene	8.90		ug/L	10.00		89	70-130	2	20	
Bromobenzene	9.68		ug/L	10.00		97	70-130	0.3	20	
Bromochloromethane	9.91		ug/L	10.00		99	70-130	1	20	
Bromodichloromethane	10.7		ug/L	10.00		107	70-130	6	20	
Bromoform	9.37		ug/L	10.00		94	70-130	4	20	
Bromomethane	7.69		ug/L	10.00		77	70-130	4	20	
Carbon Disulfide	9.94		ug/L	10.00		99	70-130	5	20	
Carbon Tetrachloride	9.73		ug/L	10.00		97	70-130	6	20	
Chlorobenzene	9.03		ug/L	10.00		90	70-130	7	20	
Chloroethane	10.9		ug/L	10.00		109	70-130	1	20	
Chloroform	9.68		ug/L	10.00		97	70-130	2	20	
Chloromethane	8.80		ug/L	10.00		88	70-130	4	20	
cis-1,2-Dichloroethene	9.93		ug/L	10.00		99	70-130	4	20	
cis-1,3-Dichloropropene	9.50		ug/L	10.00		95	70-130	4	20	
Dibromochloromethane	9.57		ug/L	10.00		96	70-130	8	20	
Dibromomethane	9.19		ug/L	10.00		92	70-130	0.7	20	
Dichlorodifluoromethane	9.10		ug/L	10.00		91	70-130	5	20	
Diethyl Ether	10.7		ug/L	10.00		107	70-130	2	20	
Di-isopropyl ether	8.95		ug/L	10.00		90	70-130	3	20	
Ethyl tertiary-butyl ether	9.48		ug/L	10.00		95	70-130	3	20	
Ethylbenzene	8.57		ug/L	10.00		86	70-130	4	20	
Hexachlorobutadiene	9.37		ug/L	10.00		94	70-130	1	20	
Hexachloroethane	10.0		ug/L	10.00		100	70-130	3	20	
Isopropylbenzene	7.81		ug/L	10.00		78	70-130	5	20	
Methyl tert-Butyl Ether	9.82		ug/L	10.00		98	70-130	1	20	
Methylene Chloride	10.0		ug/L	10.00		100	70-130	4	20	
Naphthalene	9.17		ug/L	10.00		92	70-130	4	20	
n-Butylbenzene	8.86		ug/L	10.00		89	70-130	1	20	
n-Propylbenzene	8.63		ug/L	10.00		86	70-130	4	20	
sec-Butylbenzene	8.93		ug/L	10.00		89	70-130	0	20	
Styrene	8.29		ug/L	10.00		83	70-130	8	20	
tert-Butylbenzene	9.25		ug/L	10.00		92	70-130	2	20	
Tertiary-amyl methyl ether	9.37		ug/L	10.00		94	70-130	4	20	
Tetrachloroethene	8.57		ug/L	10.00		86	70-130	6	20	
Tetrahydrofuran	7.23		ug/L	10.00		72	70-130	0	20	
Toluene	9.25		ug/L	10.00		92	70-130	1	20	
trans-1,2-Dichloroethene	9.71		ug/L	10.00		97	70-130	4	20	
trans-1,3-Dichloropropene	8.43		ug/L	10.00		84	70-130	2	20	
Trichloroethene	9.36		ug/L	10.00		94	70-130	1	20	
Trichlorofluoromethane	9.38		ug/L	10.00		94	70-130	4	20	
Vinyl Acetate	8.41		ug/L	10.00		84	70-130	2	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80709 - 5030B										
Vinyl Chloride	12.7		ug/L	10.00		127	70-130	3	20	
Xylene O	8.68		ug/L	10.00		87	70-130	5	20	
Xylene P,M	17.5		ug/L	20.00		88	70-130	7	20	
Surrogate: 1,2-Dichloroethane-d4	*28.6*		ug/L	*25.00*		*114*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.4*		ug/L	*25.00*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*26.9*		ug/L	*25.00*		*108*	*70-130*			
Surrogate: Toluene-d8	*23.6*		ug/L	*25.00*		*95*	*70-130*			
Batch BD80807 - 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	0.0250	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	0.0250	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							

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
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	0.0040	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	*27.8*		ug/L	*25.00*		*111*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		ug/L	*25.00*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*25.7*		ug/L	*25.00*		*103*	*70-130*			
Surrogate: Toluene-d8	*24.4*		ug/L	*25.00*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	9.70		ug/L	10.00		97	70-130			
1,1,1-Trichloroethane	9.78		ug/L	10.00		98	70-130			
1,1,2,2-Tetrachloroethane	9.12		ug/L	10.00		91	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
1,1,2-Trichloroethane	9.41		ug/L	10.00		94	70-130			
1,1-Dichloroethane	10.4		ug/L	10.00		104	70-130			
1,1-Dichloroethene	10.7		ug/L	10.00		107	70-130			
1,1-Dichloropropene	9.75		ug/L	10.00		98	70-130			
1,2,3-Trichlorobenzene	8.20		ug/L	10.00		82	70-130			
1,2,3-Trichloropropane	8.55		ug/L	10.00		86	70-130			
1,2,4-Trichlorobenzene	8.67		ug/L	10.00		87	70-130			
1,2,4-Trimethylbenzene	9.51		ug/L	10.00		95	70-130			
1,2-Dibromo-3-Chloropropane	8.52		ug/L	10.00		85	70-130			
1,2-Dibromoethane	9.20		ug/L	10.00		92	70-130			
1,2-Dichlorobenzene	9.65		ug/L	10.00		96	70-130			
1,2-Dichloroethane	10.9		ug/L	10.00		109	70-130			
1,2-Dichloropropane	10.0		ug/L	10.00		100	70-130			
1,3,5-Trimethylbenzene	9.21		ug/L	10.00		92	70-130			
1,3-Dichlorobenzene	9.80		ug/L	10.00		98	70-130			
1,3-Dichloropropane	9.42		ug/L	10.00		94	70-130			
1,4-Dichlorobenzene	9.62		ug/L	10.00		96	70-130			
1,4-Dioxane - Screen	98.3		ug/L	200.0		49	0-332			
1-Chlorohexane	8.98		ug/L	10.00		90	70-130			
2,2-Dichloropropane	9.84		ug/L	10.00		98	70-130			
2-Butanone	43.3		ug/L	50.00		87	70-130			
2-Chlorotoluene	9.21		ug/L	10.00		92	70-130			
2-Hexanone	42.0		ug/L	50.00		84	70-130			
4-Chlorotoluene	9.16		ug/L	10.00		92	70-130			
4-Isopropyltoluene	9.31		ug/L	10.00		93	70-130			
4-Methyl-2-Pentanone	45.8		ug/L	50.00		92	70-130			
Acetone	53.6		ug/L	50.00		107	70-130			
Benzene	9.46		ug/L	10.00		95	70-130			
Bromobenzene	9.59		ug/L	10.00		96	70-130			
Bromochloromethane	9.95		ug/L	10.00		100	70-130			
Bromodichloromethane	11.2		ug/L	10.00		112	70-130			
Bromoform	9.51		ug/L	10.00		95	70-130			
Bromomethane	7.93		ug/L	10.00		79	70-130			
Carbon Disulfide	10.6		ug/L	10.00		106	70-130			
Carbon Tetrachloride	10.1		ug/L	10.00		101	70-130			
Chlorobenzene	9.76		ug/L	10.00		98	70-130			
Chloroethane	11.4		ug/L	10.00		114	70-130			
Chloroform	10.0		ug/L	10.00		100	70-130			
Chloromethane	9.50		ug/L	10.00		95	70-130			
cis-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130			
cis-1,3-Dichloropropene	9.61		ug/L	10.00		96	70-130			
Dibromochloromethane	10.3		ug/L	10.00		103	70-130			
Dibromomethane	9.75		ug/L	10.00		98	70-130			
Dichlorodifluoromethane	8.89		ug/L	10.00		89	70-130			
Diethyl Ether	11.3		ug/L	10.00		113	70-130			
Di-isopropyl ether	9.54		ug/L	10.00		95	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
Ethyl tertiary-butyl ether	9.80		ug/L	10.00		98	70-130			
Ethylbenzene	9.29		ug/L	10.00		93	70-130			
Hexachlorobutadiene	8.96		ug/L	10.00		90	70-130			
Hexachloroethane	10.0		ug/L	10.00		100	70-130			
Isopropylbenzene	8.36		ug/L	10.00		84	70-130			
Methyl tert-Butyl Ether	9.78		ug/L	10.00		98	70-130			
Methylene Chloride	10.5		ug/L	10.00		105	70-130			
Naphthalene	8.77		ug/L	10.00		88	70-130			
n-Butylbenzene	9.03		ug/L	10.00		90	70-130			
n-Propylbenzene	9.25		ug/L	10.00		92	70-130			
sec-Butylbenzene	9.18		ug/L	10.00		92	70-130			
Styrene	9.09		ug/L	10.00		91	70-130			
tert-Butylbenzene	9.42		ug/L	10.00		94	70-130			
Tertiary-amyl methyl ether	9.65		ug/L	10.00		96	70-130			
Tetrachloroethene	9.10		ug/L	10.00		91	70-130			
Tetrahydrofuran	6.85		ug/L	10.00		68	70-130			B-
Toluene	9.50		ug/L	10.00		95	70-130			
trans-1,2-Dichloroethene	10.3		ug/L	10.00		103	70-130			
trans-1,3-Dichloropropene	8.86		ug/L	10.00		89	70-130			
Trichloroethene	9.90		ug/L	10.00		99	70-130			
Trichlorofluoromethane	9.67		ug/L	10.00		97	70-130			
Vinyl Acetate	8.71		ug/L	10.00		87	70-130			
Vinyl Chloride	13.4		ug/L	10.00		134	70-130			B+
Xylene O	9.52		ug/L	10.00		95	70-130			
Xylene P,M	18.8		ug/L	20.00		94	70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.8*		ug/L	*25.00*		*111*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.5*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*26.8*		ug/L	*25.00*		*107*	*70-130*			
Surrogate: Toluene-d8	*25.0*		ug/L	*25.00*		*100*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	9.57		ug/L	10.00		96	70-130	1	20	
1,1,1-Trichloroethane	9.77		ug/L	10.00		98	70-130	0.1	20	
1,1,2,2-Tetrachloroethane	9.16		ug/L	10.00		92	70-130	0.4	20	
1,1,2-Trichloroethane	9.71		ug/L	10.00		97	70-130	3	20	
1,1-Dichloroethane	10.2		ug/L	10.00		102	70-130	3	20	
1,1-Dichloroethene	10.5		ug/L	10.00		105	70-130	2	20	
1,1-Dichloropropene	9.84		ug/L	10.00		98	70-130	0.9	20	
1,2,3-Trichlorobenzene	9.28		ug/L	10.00		93	70-130	12	20	
1,2,3-Trichloropropane	9.01		ug/L	10.00		90	70-130	5	20	
1,2,4-Trichlorobenzene	9.10		ug/L	10.00		91	70-130	5	20	
1,2,4-Trimethylbenzene	9.53		ug/L	10.00		95	70-130	0.2	20	
1,2-Dibromo-3-Chloropropane	9.00		ug/L	10.00		90	70-130	5	20	
1,2-Dibromoethane	9.17		ug/L	10.00		92	70-130	0.3	20	
1,2-Dichlorobenzene	9.72		ug/L	10.00		97	70-130	0.7	20	
1,2-Dichloroethane	10.4		ug/L	10.00		104	70-130	4	20	
1,2-Dichloropropane	10.0		ug/L	10.00		100	70-130	0.4	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
1,3,5-Trimethylbenzene	9.30		ug/L	10.00		93	70-130	1	20	
1,3-Dichlorobenzene	9.89		ug/L	10.00		99	70-130	0.9	20	
1,3-Dichloropropane	9.11		ug/L	10.00		91	70-130	3	20	
1,4-Dichlorobenzene	9.56		ug/L	10.00		96	70-130	0.6	20	
1,4-Dioxane - Screen	134		ug/L	200.0		67	0-332	31	200	
1-Chlorohexane	9.16		ug/L	10.00		92	70-130	2	20	
2,2-Dichloropropane	10.2		ug/L	10.00		102	70-130	3	20	
2-Butanone	42.1		ug/L	50.00		84	70-130	3	20	
2-Chlorotoluene	9.47		ug/L	10.00		95	70-130	3	20	
2-Hexanone	42.4		ug/L	50.00		85	70-130	0.9	20	
4-Chlorotoluene	9.11		ug/L	10.00		91	70-130	0.5	20	
4-Isopropyltoluene	9.48		ug/L	10.00		95	70-130	2	20	
4-Methyl-2-Pentanone	45.8		ug/L	50.00		92	70-130	0.02	20	
Acetone	52.0		ug/L	50.00		104	70-130	3	20	
Benzene	9.36		ug/L	10.00		94	70-130	1	20	
Bromobenzene	9.54		ug/L	10.00		95	70-130	0.5	20	
Bromochloromethane	10.0		ug/L	10.00		100	70-130	0.6	20	
Bromodichloromethane	11.4		ug/L	10.00		114	70-130	2	20	
Bromoform	9.51		ug/L	10.00		95	70-130	0	20	
Bromomethane	7.82		ug/L	10.00		78	70-130	1	20	
Carbon Disulfide	10.6		ug/L	10.00		106	70-130	0.3	20	
Carbon Tetrachloride	10.2		ug/L	10.00		102	70-130	0.5	20	
Chlorobenzene	9.56		ug/L	10.00		96	70-130	2	20	
Chloroethane	11.2		ug/L	10.00		112	70-130	2	20	
Chloroform	9.92		ug/L	10.00		99	70-130	0.8	20	
Chloromethane	9.73		ug/L	10.00		97	70-130	2	20	
cis-1,2-Dichloroethene	10.3		ug/L	10.00		103	70-130	0.6	20	
cis-1,3-Dichloropropene	9.52		ug/L	10.00		95	70-130	0.9	20	
Dibromochloromethane	9.92		ug/L	10.00		99	70-130	3	20	
Dibromomethane	9.60		ug/L	10.00		96	70-130	2	20	
Dichlorodifluoromethane	9.02		ug/L	10.00		90	70-130	1	20	
Diethyl Ether	12.7		ug/L	10.00		127	70-130	12	20	
Di-isopropyl ether	9.26		ug/L	10.00		93	70-130	3	20	
Ethyl tertiary-butyl ether	9.96		ug/L	10.00		100	70-130	2	20	
Ethylbenzene	9.10		ug/L	10.00		91	70-130	2	20	
Hexachlorobutadiene	9.50		ug/L	10.00		95	70-130	6	20	
Hexachloroethane	10.4		ug/L	10.00		104	70-130	3	20	
Isopropylbenzene	8.34		ug/L	10.00		83	70-130	0.2	20	
Methyl tert-Butyl Ether	9.89		ug/L	10.00		99	70-130	1	20	
Methylene Chloride	10.4		ug/L	10.00		104	70-130	1	20	
Naphthalene	9.55		ug/L	10.00		96	70-130	9	20	
n-Butylbenzene	9.38		ug/L	10.00		94	70-130	4	20	
n-Propylbenzene	9.36		ug/L	10.00		94	70-130	1	20	
sec-Butylbenzene	9.35		ug/L	10.00		94	70-130	2	20	
Styrene	8.94		ug/L	10.00		89	70-130	2	20	
tert-Butylbenzene	9.88		ug/L	10.00		99	70-130	5	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
Tertiary-amyl methyl ether	9.77		ug/L	10.00		98	70-130	1	20	
Tetrachloroethene	9.01		ug/L	10.00		90	70-130	1	20	
Tetrahydrofuran	8.16		ug/L	10.00		82	70-130	17	20	
Toluene	9.47		ug/L	10.00		95	70-130	0.3	20	
trans-1,2-Dichloroethene	10.4		ug/L	10.00		104	70-130	0.5	20	
trans-1,3-Dichloropropene	8.95		ug/L	10.00		90	70-130	1	20	
Trichloroethene	9.69		ug/L	10.00		97	70-130	2	20	
Trichlorofluoromethane	9.82		ug/L	10.00		98	70-130	2	20	
Vinyl Acetate	8.76		ug/L	10.00		88	70-130	0.6	20	
Vinyl Chloride	13.6		ug/L	10.00		136	70-130	2	20	B+
Xylene O	9.35		ug/L	10.00		94	70-130	2	20	
Xylene P,M	18.4		ug/L	20.00		92	70-130	2	20	
Surrogate: 1,2-Dichloroethane-d4	*28.0*		ug/L	*25.00*		*112*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.0*		ug/L	*25.00*		*96*	*70-130*			
Surrogate: Dibromofluoromethane	*26.8*		ug/L	*25.00*		*107*	*70-130*			
Surrogate: Toluene-d8	*24.2*		ug/L	*25.00*		*97*	*70-130*			
Matrix Spike **Source: 0804037-07**										
1,1,1,2-Tetrachloroethane	0.0099	0.0010	mg/L	0.01000	ND	99	70-130			
1,1,1-Trichloroethane	0.112	0.0010	mg/L	0.01000	0.114	NR	70-130			MT
1,1,2,2-Tetrachloroethane	0.0083	0.0005	mg/L	0.01000	ND	83	70-130			
1,1,2-Trichloroethane	0.0101	0.0010	mg/L	0.01000	0.0003	98	70-130			
1,1-Dichloroethane	0.0474	0.0010	mg/L	0.01000	0.0443	31	70-130			M-
1,1-Dichloroethene	0.0194	0.0010	mg/L	0.01000	0.0103	91	70-130			
1,1-Dichloropropene	0.0105	0.0020	mg/L	0.01000	ND	105	70-130			
1,2,3-Trichlorobenzene	0.0071	0.0010	mg/L	0.01000	ND	71	70-130			
1,2,3-Trichloropropane	0.0081	0.0010	mg/L	0.01000	ND	81	70-130			
1,2,4-Trichlorobenzene	0.0075	0.0010	mg/L	0.01000	ND	75	70-130			
1,2,4-Trimethylbenzene	0.0090	0.0010	mg/L	0.01000	ND	90	70-130			
1,2-Dibromo-3-Chloropropane	0.0080	0.0050	mg/L	0.01000	ND	80	70-130			
1,2-Dibromoethane	0.0092	0.0010	mg/L	0.01000	ND	92	70-130			
1,2-Dichlorobenzene	0.0087	0.0010	mg/L	0.01000	ND	87	70-130			
1,2-Dichloroethane	0.0112	0.0010	mg/L	0.01000	ND	112	70-130			
1,2-Dichloropropane	0.0121	0.0010	mg/L	0.01000	ND	121	70-130			
1,3,5-Trimethylbenzene	0.0087	0.0010	mg/L	0.01000	ND	87	70-130			
1,3-Dichlorobenzene	0.0088	0.0010	mg/L	0.01000	ND	88	70-130			
1,3-Dichloropropane	0.0091	0.0010	mg/L	0.01000	ND	91	70-130			
1,4-Dichlorobenzene	0.0088	0.0010	mg/L	0.01000	ND	88	70-130			
1,4-Dioxane - Screen	0.203	0.500	mg/L	0.2000	0.0577	73	0-332			
1-Chlorohexane	0.0096	0.0010	mg/L	0.01000	ND	96	70-130			
2,2-Dichloropropane	0.0101	0.0010	mg/L	0.01000	ND	101	70-130			
2-Butanone	0.0385	0.0250	mg/L	0.05000	ND	77	70-130			
2-Chlorotoluene	0.0088	0.0010	mg/L	0.01000	ND	88	70-130			
2-Hexanone	0.0419	0.0100	mg/L	0.05000	ND	84	70-130			
4-Chlorotoluene	0.0086	0.0010	mg/L	0.01000	ND	86	70-130			
4-Isopropyltoluene	0.0086	0.0010	mg/L	0.01000	ND	86	70-130			
4-Methyl-2-Pentanone	0.0461	0.0250	mg/L	0.05000	ND	92	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
Acetone	0.0443	0.0250	mg/L	0.05000	ND	89	70-130			
Benzene	0.0099	0.0010	mg/L	0.01000	ND	99	70-130			
Bromobenzene	0.0088	0.0020	mg/L	0.01000	ND	88	70-130			
Bromochloromethane	0.0099	0.0010	mg/L	0.01000	ND	99	70-130			
Bromodichloromethane	0.0120	0.0006	mg/L	0.01000	ND	120	70-130			
Bromoform	0.0093	0.0010	mg/L	0.01000	ND	93	70-130			
Bromomethane	0.0084	0.0020	mg/L	0.01000	ND	84	70-130			
Carbon Disulfide	0.0110	0.0010	mg/L	0.01000	ND	110	70-130			
Carbon Tetrachloride	0.0108	0.0010	mg/L	0.01000	ND	108	70-130			
Chlorobenzene	0.0096	0.0010	mg/L	0.01000	ND	96	70-130			
Chloroethane	0.0129	0.0020	mg/L	0.01000	0.0012	117	70-130			
Chloroform	0.0111	0.0010	mg/L	0.01000	0.0008	103	70-130			
Chloromethane	0.0100	0.0020	mg/L	0.01000	ND	100	70-130			
cis-1,2-Dichloroethene	0.0253	0.0010	mg/L	0.01000	0.0165	88	70-130			
cis-1,3-Dichloropropene	0.0101	0.0004	mg/L	0.01000	ND	101	70-130			
Dibromochloromethane	0.0098	0.0010	mg/L	0.01000	ND	98	70-130			
Dibromomethane	0.0096	0.0010	mg/L	0.01000	ND	96	70-130			
Dichlorodifluoromethane	0.0091	0.0020	mg/L	0.01000	ND	91	70-130			
Diethyl Ether	0.0197	0.0010	mg/L	0.01000	ND	197	70-130			M+
Di-isopropyl ether	0.0097	0.0010	mg/L	0.01000	ND	97	70-130			
Ethyl tertiary-butyl ether	0.0100	0.0010	mg/L	0.01000	ND	100	70-130			
Ethylbenzene	0.0093	0.0010	mg/L	0.01000	ND	93	70-130			
Hexachlorobutadiene	0.0075	0.0006	mg/L	0.01000	ND	75	70-130			
Hexachloroethane	0.0104	0.0010	mg/L	0.01000	ND	104	70-130			
Isopropylbenzene	0.0077	0.0010	mg/L	0.01000	ND	77	70-130			
Methyl tert-Butyl Ether	0.0110	0.0010	mg/L	0.01000	0.0008	101	70-130			
Methylene Chloride	0.0110	0.0040	mg/L	0.01000	0.0007	103	70-130			
Naphthalene	0.0082	0.0010	mg/L	0.01000	ND	82	70-130			
n-Butylbenzene	0.0086	0.0010	mg/L	0.01000	ND	86	70-130			
n-Propylbenzene	0.0088	0.0010	mg/L	0.01000	ND	88	70-130			
sec-Butylbenzene	0.0087	0.0010	mg/L	0.01000	ND	87	70-130			
Styrene	0.0090	0.0010	mg/L	0.01000	ND	90	70-130			
tert-Butylbenzene	0.0089	0.0010	mg/L	0.01000	ND	89	70-130			
Tertiary-amyl methyl ether	0.0100	0.0010	mg/L	0.01000	ND	100	70-130			
Tetrachloroethene	0.360	0.0010	mg/L	0.01000	3.61	NR	70-130			MT
Tetrahydrofuran	0.0096	0.0050	mg/L	0.01000	0.0022	73	70-130			
Toluene	0.0100	0.0010	mg/L	0.01000	ND	100	70-130			
trans-1,2-Dichloroethene	0.0119	0.0010	mg/L	0.01000	0.0008	111	70-130			
trans-1,3-Dichloropropene	0.0089	0.0004	mg/L	0.01000	ND	89	70-130			
Trichloroethene	0.428	0.0010	mg/L	0.01000	0.578	NR	70-130			MT
Trichlorofluoromethane	0.0131	0.0010	mg/L	0.01000	0.0040	92	70-130			
Vinyl Acetate	0.0091	0.0050	mg/L	0.01000	ND	91	70-130			
Vinyl Chloride	0.0150	0.0010	mg/L	0.01000	ND	150	70-130			M+
Xylene O	0.0093	0.0010	mg/L	0.01000	ND	93	70-130			
Xylene P,M	0.0188	0.0020	mg/L	0.02000	ND	94	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.3*		ug/L	*25.00*		*105*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
Surrogate: 4-Bromofluorobenzene	*24.8*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*25.5*		ug/L	*25.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*23.8*		ug/L	*25.00*		*95*	*70-130*			
Matrix Spike Dup Source: 0804037-07										
1,1,1,2-Tetrachloroethane	0.0106	0.0010	mg/L	0.01000	ND	106	70-130	7	20	
1,1,1-Trichloroethane	0.113	0.0010	mg/L	0.01000	0.114	NR	70-130	NR	20	D+, MT
1,1,2,2-Tetrachloroethane	0.0084	0.0005	mg/L	0.01000	ND	84	70-130	2	20	
1,1,2-Trichloroethane	0.0100	0.0010	mg/L	0.01000	0.0003	97	70-130	0.6	20	
1,1-Dichloroethane	0.0477	0.0010	mg/L	0.01000	0.0443	34	70-130	10	20	M-
1,1-Dichloroethene	0.0196	0.0010	mg/L	0.01000	0.0103	93	70-130	2	20	
1,1-Dichloropropene	0.0104	0.0020	mg/L	0.01000	ND	104	70-130	0.8	20	
1,2,3-Trichlorobenzene	0.0080	0.0010	mg/L	0.01000	ND	80	70-130	12	20	
1,2,3-Trichloropropane	0.0083	0.0010	mg/L	0.01000	ND	83	70-130	2	20	
1,2,4-Trichlorobenzene	0.0084	0.0010	mg/L	0.01000	ND	84	70-130	12	20	
1,2,4-Trimethylbenzene	0.0090	0.0010	mg/L	0.01000	ND	90	70-130	0.2	20	
1,2-Dibromo-3-Chloropropane	0.0094	0.0050	mg/L	0.01000	ND	94	70-130	17	20	
1,2-Dibromoethane	0.0094	0.0010	mg/L	0.01000	ND	94	70-130	2	20	
1,2-Dichlorobenzene	0.0089	0.0010	mg/L	0.01000	ND	89	70-130	3	20	
1,2-Dichloroethane	0.0111	0.0010	mg/L	0.01000	ND	111	70-130	0.4	20	
1,2-Dichloropropane	0.0118	0.0010	mg/L	0.01000	ND	118	70-130	2	20	
1,3,5-Trimethylbenzene	0.0086	0.0010	mg/L	0.01000	ND	86	70-130	1	20	
1,3-Dichlorobenzene	0.0091	0.0010	mg/L	0.01000	ND	91	70-130	3	20	
1,3-Dichloropropane	0.0092	0.0010	mg/L	0.01000	ND	92	70-130	0.9	20	
1,4-Dichlorobenzene	0.0087	0.0010	mg/L	0.01000	ND	87	70-130	0.7	20	
1,4-Dioxane - Screen	0.344	0.500	mg/L	0.2000	0.0577	143	0-332	65	200	
1-Chlorohexane	0.0093	0.0010	mg/L	0.01000	ND	93	70-130	3	20	
2,2-Dichloropropane	0.0100	0.0010	mg/L	0.01000	ND	100	70-130	1	20	
2-Butanone	0.0433	0.0250	mg/L	0.05000	ND	87	70-130	12	20	
2-Chlorotoluene	0.0088	0.0010	mg/L	0.01000	ND	88	70-130	1	20	
2-Hexanone	0.0424	0.0100	mg/L	0.05000	ND	85	70-130	1	20	
4-Chlorotoluene	0.0086	0.0010	mg/L	0.01000	ND	86	70-130	0.3	20	
4-Isopropyltoluene	0.0087	0.0010	mg/L	0.01000	ND	87	70-130	1	20	
4-Methyl-2-Pentanone	0.0484	0.0250	mg/L	0.05000	ND	97	70-130	5	20	
Acetone	0.0473	0.0250	mg/L	0.05000	ND	95	70-130	7	20	
Benzene	0.0100	0.0010	mg/L	0.01000	ND	100	70-130	0.8	20	
Bromobenzene	0.0090	0.0020	mg/L	0.01000	ND	90	70-130	1	20	
Bromochloromethane	0.0101	0.0010	mg/L	0.01000	ND	101	70-130	2	20	
Bromodichloromethane	0.0115	0.0006	mg/L	0.01000	ND	115	70-130	4	20	
Bromoform	0.0093	0.0010	mg/L	0.01000	ND	93	70-130	0	20	
Bromomethane	0.0091	0.0020	mg/L	0.01000	ND	91	70-130	8	20	
Carbon Disulfide	0.0112	0.0010	mg/L	0.01000	ND	112	70-130	2	20	
Carbon Tetrachloride	0.0109	0.0010	mg/L	0.01000	ND	109	70-130	1	20	
Chlorobenzene	0.0095	0.0010	mg/L	0.01000	ND	95	70-130	1	20	
Chloroethane	0.0131	0.0020	mg/L	0.01000	0.0012	119	70-130	2	20	
Chloroform	0.0110	0.0010	mg/L	0.01000	0.0008	102	70-130	0.3	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80807 - 5030B										
Chloromethane	0.0095	0.0020	mg/L	0.01000	ND	95	70-130	5	20	
cis-1,2-Dichloroethene	0.0256	0.0010	mg/L	0.01000	0.0165	90	70-130	3	20	
cis-1,3-Dichloropropene	0.0102	0.0004	mg/L	0.01000	ND	102	70-130	1	20	
Dibromochloromethane	0.0100	0.0010	mg/L	0.01000	ND	100	70-130	2	20	
Dibromomethane	0.0095	0.0010	mg/L	0.01000	ND	95	70-130	0.4	20	
Dichlorodifluoromethane	0.0093	0.0020	mg/L	0.01000	ND	93	70-130	2	20	
Diethyl Ether	0.0201	0.0010	mg/L	0.01000	ND	201	70-130	2	20	M+
Di-isopropyl ether	0.0097	0.0010	mg/L	0.01000	ND	97	70-130	0.5	20	
Ethyl tertiary-butyl ether	0.0103	0.0010	mg/L	0.01000	ND	103	70-130	4	20	
Ethylbenzene	0.0094	0.0010	mg/L	0.01000	ND	94	70-130	0.9	20	
Hexachlorobutadiene	0.0084	0.0006	mg/L	0.01000	ND	84	70-130	11	20	
Hexachloroethane	0.0100	0.0010	mg/L	0.01000	ND	100	70-130	4	20	
Isopropylbenzene	0.0079	0.0010	mg/L	0.01000	ND	79	70-130	2	20	
Methyl tert-Butyl Ether	0.0110	0.0010	mg/L	0.01000	0.0008	102	70-130	0.4	20	
Methylene Chloride	0.0110	0.0040	mg/L	0.01000	0.0007	103	70-130	0.5	20	
Naphthalene	0.0090	0.0010	mg/L	0.01000	ND	90	70-130	9	20	
n-Butylbenzene	0.0088	0.0010	mg/L	0.01000	ND	88	70-130	2	20	
n-Propylbenzene	0.0089	0.0010	mg/L	0.01000	ND	89	70-130	0.7	20	
sec-Butylbenzene	0.0087	0.0010	mg/L	0.01000	ND	87	70-130	0.8	20	
Styrene	0.0088	0.0010	mg/L	0.01000	ND	88	70-130	1	20	
tert-Butylbenzene	0.0092	0.0010	mg/L	0.01000	ND	92	70-130	3	20	
Tertiary-amyl methyl ether	0.0101	0.0010	mg/L	0.01000	ND	101	70-130	2	20	
Tetrachloroethene	0.273	0.0010	mg/L	0.01000	3.61	NR	70-130	NR	20	MT
Tetrahydrofuran	0.0100	0.0050	mg/L	0.01000	0.0022	77	70-130	6	20	
Toluene	0.0098	0.0010	mg/L	0.01000	ND	98	70-130	2	20	
trans-1,2-Dichloroethene	0.0116	0.0010	mg/L	0.01000	0.0008	108	70-130	3	20	
trans-1,3-Dichloropropene	0.0087	0.0004	mg/L	0.01000	ND	87	70-130	2	20	
Trichloroethene	0.423	0.0010	mg/L	0.01000	0.578	NR	70-130	NR	20	MT
Trichlorofluoromethane	0.0133	0.0010	mg/L	0.01000	0.0040	94	70-130	2	20	
Vinyl Acetate	0.0090	0.0050	mg/L	0.01000	ND	90	70-130	0.9	20	
Vinyl Chloride	0.0142	0.0010	mg/L	0.01000	ND	142	70-130	6	20	M+
Xylene O	0.0095	0.0010	mg/L	0.01000	ND	95	70-130	2	20	
Xylene P,M	0.0189	0.0020	mg/L	0.02000	ND	95	70-130	0.6	20	
Surrogate: 1,2-Dichloroethane-d4	*26.0*		ug/L	*25.00*		*104*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.8*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*25.6*		ug/L	*25.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*24.6*		ug/L	*25.00*		*98*	*70-130*			
Batch BD80909 - 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							

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80909 - 5030B										
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	0.0250	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	0.0250	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							
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							

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80909 - 5030B										
Hexachloroethane	ND	0.0010	mg/L							
Isopropylbenzene	ND	0.0010	mg/L							
Methyl tert-Butyl Ether	ND	0.0010	mg/L							
Methylene Chloride	ND	0.0040	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	*27.6*		ug/L	*25.00*		*110*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.7*		ug/L	*25.00*		*99*	*70-130*			
Surrogate: Dibromofluoromethane	*25.5*		ug/L	*25.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*24.1*		ug/L	*25.00*		*96*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	9.60		ug/L	10.00		96	70-130			
1,1,1-Trichloroethane	9.63		ug/L	10.00		96	70-130			
1,1,2,2-Tetrachloroethane	9.60		ug/L	10.00		96	70-130			
1,1,2-Trichloroethane	9.59		ug/L	10.00		96	70-130			
1,1-Dichloroethane	9.85		ug/L	10.00		98	70-130			
1,1-Dichloroethene	10.6		ug/L	10.00		106	70-130			
1,1-Dichloropropene	9.88		ug/L	10.00		99	70-130			
1,2,3-Trichlorobenzene	8.61		ug/L	10.00		86	70-130			
1,2,3-Trichloropropane	9.44		ug/L	10.00		94	70-130			
1,2,4-Trichlorobenzene	8.69		ug/L	10.00		87	70-130			
1,2,4-Trimethylbenzene	9.89		ug/L	10.00		99	70-130			
1,2-Dibromo-3-Chloropropane	9.45		ug/L	10.00		94	70-130			
1,2-Dibromoethane	9.32		ug/L	10.00		93	70-130			
1,2-Dichlorobenzene	9.79		ug/L	10.00		98	70-130			
1,2-Dichloroethane	10.3		ug/L	10.00		103	70-130			
1,2-Dichloropropane	10.0		ug/L	10.00		100	70-130			
1,3,5-Trimethylbenzene	9.47		ug/L	10.00		95	70-130			
1,3-Dichlorobenzene	9.79		ug/L	10.00		98	70-130			
1,3-Dichloropropane	9.16		ug/L	10.00		92	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80909 - 5030B										
1,4-Dichlorobenzene	9.54		ug/L	10.00		95	70-130			
1,4-Dioxane - Screen	95.0		ug/L	200.0		47	0-332			
1-Chlorohexane	9.56		ug/L	10.00		96	70-130			
2,2-Dichloropropane	9.97		ug/L	10.00		100	70-130			
2-Butanone	44.2		ug/L	50.00		88	70-130			
2-Chlorotoluene	9.80		ug/L	10.00		98	70-130			
2-Hexanone	45.7		ug/L	50.00		91	70-130			
4-Chlorotoluene	9.38		ug/L	10.00		94	70-130			
4-Isopropyltoluene	9.44		ug/L	10.00		94	70-130			
4-Methyl-2-Pentanone	47.3		ug/L	50.00		95	70-130			
Acetone	55.8		ug/L	50.00		112	70-130			
Benzene	9.40		ug/L	10.00		94	70-130			
Bromobenzene	9.85		ug/L	10.00		98	70-130			
Bromochloromethane	9.69		ug/L	10.00		97	70-130			
Bromodichloromethane	10.9		ug/L	10.00		109	70-130			
Bromoform	9.80		ug/L	10.00		98	70-130			
Bromomethane	9.17		ug/L	10.00		92	70-130			
Carbon Disulfide	10.6		ug/L	10.00		106	70-130			
Carbon Tetrachloride	9.71		ug/L	10.00		97	70-130			
Chlorobenzene	9.54		ug/L	10.00		95	70-130			
Chloroethane	10.9		ug/L	10.00		109	70-130			
Chloroform	9.70		ug/L	10.00		97	70-130			
Chloromethane	9.71		ug/L	10.00		97	70-130			
cis-1,2-Dichloroethene	10.1		ug/L	10.00		101	70-130			
cis-1,3-Dichloropropene	9.89		ug/L	10.00		99	70-130			
Dibromochloromethane	9.82		ug/L	10.00		98	70-130			
Dibromomethane	9.18		ug/L	10.00		92	70-130			
Dichlorodifluoromethane	8.25		ug/L	10.00		82	70-130			
Diethyl Ether	10.7		ug/L	10.00		107	70-130			
Di-isopropyl ether	9.48		ug/L	10.00		95	70-130			
Ethyl tertiary-butyl ether	9.88		ug/L	10.00		99	70-130			
Ethylbenzene	9.34		ug/L	10.00		93	70-130			
Hexachlorobutadiene	9.60		ug/L	10.00		96	70-130			
Hexachloroethane	11.0		ug/L	10.00		110	70-130			
Isopropylbenzene	8.61		ug/L	10.00		86	70-130			
Methyl tert-Butyl Ether	9.78		ug/L	10.00		98	70-130			
Methylene Chloride	10.3		ug/L	10.00		103	70-130			
Naphthalene	9.11		ug/L	10.00		91	70-130			
n-Butylbenzene	9.34		ug/L	10.00		93	70-130			
n-Propylbenzene	9.66		ug/L	10.00		97	70-130			
sec-Butylbenzene	9.47		ug/L	10.00		95	70-130			
Styrene	9.13		ug/L	10.00		91	70-130			
tert-Butylbenzene	9.93		ug/L	10.00		99	70-130			
Tertiary-amyl methyl ether	9.71		ug/L	10.00		97	70-130			
Tetrachloroethene	9.04		ug/L	10.00		90	70-130			
Tetrahydrofuran	8.64		ug/L	10.00		86	70-130			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80909 - 5030B										
Toluene	9.42		ug/L	10.00		94	70-130			
trans-1,2-Dichloroethene	10.2		ug/L	10.00		102	70-130			
trans-1,3-Dichloropropene	8.80		ug/L	10.00		88	70-130			
Trichloroethene	9.71		ug/L	10.00		97	70-130			
Trichlorofluoromethane	9.34		ug/L	10.00		93	70-130			
Vinyl Acetate	8.90		ug/L	10.00		89	70-130			
Vinyl Chloride	12.9		ug/L	10.00		129	70-130			
Xylene O	9.22		ug/L	10.00		92	70-130			
Xylene P,M	18.9		ug/L	20.00		94	70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.7*		ug/L	*25.00*		*111*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.5*		ug/L	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*26.2*		ug/L	*25.00*		*105*	*70-130*			
Surrogate: Toluene-d8	*24.6*		ug/L	*25.00*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.00		104	70-130	8	20	
1,1,1-Trichloroethane	10.4		ug/L	10.00		104	70-130	8	20	
1,1,2,2-Tetrachloroethane	10.4		ug/L	10.00		104	70-130	8	20	
1,1,2-Trichloroethane	10.4		ug/L	10.00		104	70-130	8	20	
1,1-Dichloroethane	10.8		ug/L	10.00		108	70-130	9	20	
1,1-Dichloroethene	11.6		ug/L	10.00		116	70-130	9	20	
1,1-Dichloropropene	10.5		ug/L	10.00		105	70-130	6	20	
1,2,3-Trichlorobenzene	9.81		ug/L	10.00		98	70-130	13	20	
1,2,3-Trichloropropane	10.0		ug/L	10.00		100	70-130	6	20	
1,2,4-Trichlorobenzene	9.99		ug/L	10.00		100	70-130	14	20	
1,2,4-Trimethylbenzene	10.6		ug/L	10.00		106	70-130	6	20	
1,2-Dibromo-3-Chloropropane	11.1		ug/L	10.00		111	70-130	16	20	
1,2-Dibromoethane	10.2		ug/L	10.00		102	70-130	9	20	
1,2-Dichlorobenzene	10.4		ug/L	10.00		104	70-130	7	20	
1,2-Dichloroethane	11.0		ug/L	10.00		110	70-130	7	20	
1,2-Dichloropropane	10.8		ug/L	10.00		108	70-130	7	20	
1,3,5-Trimethylbenzene	10.2		ug/L	10.00		102	70-130	8	20	
1,3-Dichlorobenzene	10.5		ug/L	10.00		105	70-130	7	20	
1,3-Dichloropropane	9.80		ug/L	10.00		98	70-130	7	20	
1,4-Dichlorobenzene	10.3		ug/L	10.00		103	70-130	7	20	
1,4-Dioxane - Screen	161		ug/L	200.0		81	0-332	52	200	
1-Chlorohexane	10.2		ug/L	10.00		102	70-130	7	20	
2,2-Dichloropropane	10.6		ug/L	10.00		106	70-130	6	20	
2-Butanone	47.2		ug/L	50.00		94	70-130	7	20	
2-Chlorotoluene	10.2		ug/L	10.00		102	70-130	4	20	
2-Hexanone	50.2		ug/L	50.00		100	70-130	9	20	
4-Chlorotoluene	10.2		ug/L	10.00		102	70-130	9	20	
4-Isopropyltoluene	10.2		ug/L	10.00		102	70-130	8	20	
4-Methyl-2-Pentanone	51.2		ug/L	50.00		102	70-130	8	20	
Acetone	56.7		ug/L	50.00		113	70-130	2	20	
Benzene	10.1		ug/L	10.00		101	70-130	8	20	
Bromobenzene	10.5		ug/L	10.00		105	70-130	7	20	

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8260B Volatile Organic Compounds										
Batch BD80909 - 5030B										
Bromochloromethane	10.4		ug/L	10.00		104	70-130	7	20	
Bromodichloromethane	11.9		ug/L	10.00		119	70-130	8	20	
Bromoform	10.4		ug/L	10.00		104	70-130	6	20	
Bromomethane	10.2		ug/L	10.00		102	70-130	10	20	
Carbon Disulfide	11.2		ug/L	10.00		112	70-130	5	20	
Carbon Tetrachloride	10.7		ug/L	10.00		107	70-130	9	20	
Chlorobenzene	10.3		ug/L	10.00		103	70-130	8	20	
Chloroethane	11.7		ug/L	10.00		117	70-130	7	20	
Chloroform	10.4		ug/L	10.00		104	70-130	6	20	
Chloromethane	10.0		ug/L	10.00		100	70-130	3	20	
cis-1,2-Dichloroethene	11.3		ug/L	10.00		113	70-130	11	20	
cis-1,3-Dichloropropene	10.7		ug/L	10.00		107	70-130	8	20	
Dibromochloromethane	10.8		ug/L	10.00		108	70-130	9	20	
Dibromomethane	10.2		ug/L	10.00		102	70-130	11	20	
Dichlorodifluoromethane	8.77		ug/L	10.00		88	70-130	6	20	
Diethyl Ether	11.3		ug/L	10.00		113	70-130	6	20	
Di-isopropyl ether	10.1		ug/L	10.00		101	70-130	7	20	
Ethyl tertiary-butyl ether	10.6		ug/L	10.00		106	70-130	7	20	
Ethylbenzene	10.1		ug/L	10.00		101	70-130	8	20	
Hexachlorobutadiene	10.5		ug/L	10.00		105	70-130	9	20	
Hexachloroethane	11.3		ug/L	10.00		113	70-130	3	20	
Isopropylbenzene	9.17		ug/L	10.00		92	70-130	6	20	
Methyl tert-Butyl Ether	10.4		ug/L	10.00		104	70-130	6	20	
Methylene Chloride	10.7		ug/L	10.00		107	70-130	4	20	
Naphthalene	10.4		ug/L	10.00		104	70-130	14	20	
n-Butylbenzene	10.4		ug/L	10.00		104	70-130	11	20	
n-Propylbenzene	10.4		ug/L	10.00		104	70-130	7	20	
sec-Butylbenzene	10.3		ug/L	10.00		103	70-130	8	20	
Styrene	9.86		ug/L	10.00		99	70-130	8	20	
tert-Butylbenzene	10.5		ug/L	10.00		105	70-130	6	20	
Tertiary-amyl methyl ether	10.7		ug/L	10.00		107	70-130	10	20	
Tetrachloroethene	9.83		ug/L	10.00		98	70-130	8	20	
Tetrahydrofuran	9.76		ug/L	10.00		98	70-130	12	20	
Toluene	10.2		ug/L	10.00		102	70-130	8	20	
trans-1,2-Dichloroethene	11.2		ug/L	10.00		112	70-130	9	20	
trans-1,3-Dichloropropene	9.36		ug/L	10.00		94	70-130	6	20	
Trichloroethene	10.4		ug/L	10.00		104	70-130	6	20	
Trichlorofluoromethane	9.86		ug/L	10.00		99	70-130	5	20	
Vinyl Acetate	9.65		ug/L	10.00		96	70-130	8	20	
Vinyl Chloride	14.0		ug/L	10.00		140	70-130	8	20	B+
Xylene O	10.3		ug/L	10.00		103	70-130	11	20	
Xylene P,M	20.3		ug/L	20.00		102	70-130	8	20	
Surrogate: 1,2-Dichloroethane-d4	*26.9*		ug/L	*25.00*		*107*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.2*		ug/L	*25.00*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*26.4*		ug/L	*25.00*		*105*	*70-130*			
Surrogate: Toluene-d8	*24.7*		ug/L	*25.00*		*99*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0804037

Notes and Definitions

U	Analyte included in the analysis, but not detected
MT	Due to high target values, matrix spike is masked.
M+	Matrix Spike recovery is above upper control limit.
M-	Matrix Spike recovery is below lower control limit.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting 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.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site

ESS Laboratory Work Order: 0804037

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of 2

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

Reporting Limits: GA
ESS LAB PROJECT ID: 0804037
Electronic Deliverable: ✓ Yes ___ No
Format: Excel__ Access__ PDF__ Other Equis 1-2-EDD

Co. Name	Project #	Project Name (20 Char. or less)
Maetec	36500500-11.8	Textron Gorham

Contact Person	Address
Dave Heisler	107 Audubon Rd

City	State	Zip	PO#
Wakefield	MA		

Telephone #	Fax #	Email Address
781-245-6606		dc heisler@maetec.com

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA	524.2	624	8021 MTBE/BTEX	VPH w/targets	8015 GRO	8100 TPH	EPH w/o PAHs	8081 Pesticides	8270 SVOA	RCRA5	8015 DRO	EPH w/PAHs	8082 PCB	625	RCRA8	TCLP-RCRA8	EPH 4 Diesel	608 Pesticides	608 PCB	PAH 8270	PP13 TAL23	NBC7	MCP-METALS (13)	MCP-METALS (13) w/Hg	
1	3-31-08	10:18			GW	MW 227 D01	2	3	✓	X				0.4	P.id Reading no odor																				
2	3-31-08	12:15			GW	MW 227 S01	2	3	✓	X				0.1	P.id Reading no odor																				
3	3-31-08	12:15			GW	MW 227 S01 DUP	2	3	✓	X				0.1	P.id Reading no odor																				
4	3-31-08	1425			GW	MW 220 S01	2	3	✓	X				3.8	P.I.D Reading (Product in H20)																				
5	3-31-08	1630			GW	MW 221 S01	2	3	✓	X				4.1	P.id Reading (0.1 sheen in H20)																				
6	4-01-08	10:15			GW	MW 228 D01	2	3	✓	X				NO	P.id Reading taken																				
7	4-01-08	1442			GW	MW 228 S01	2	3	✓	X				NO	P.id Reading taken																				
8	4-01-08	1220			GW	MW 228 S01 DUP	2	3	✓	X				NO	P.id Reading taken																				
9	4-01-08	1442			GW	MW 230 D01	2	3	/	X				NO	P.id Reading taken																				

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

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ___
Cooler Temp: 4.4

Internal Use Only
[ ] Pickup
[ ] Technicians____

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

Sampled by: Mark Massimo

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4-2-08 16:10	[signature]	4208 16:10				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

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

Please fax all changes to Chain of Custody in writing.

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

10/26/04 B

ESS Laboratory

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

CHAIN OF CUSTODY

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

Reporting Limits: GA
ESS LAB PROJECT ID: 0804037
Electronic Deliverable: X Yes ___ No
Format: Excel__ Access__ PDF__ Other Equis EDD

Co. Name	Project #	Project Name (20 Char. or less)
Maclec	3650S0041.16	Textron Gorham

Contact Person	Address
Dave Heistein	107 Audubon Rd.

City	State	Zip	PO#
Wakefield	MA	01880	

Telephone #	Fax #	Email Address
781-245-6606		dheistein@maclec.com

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Y260	Write Required Analysis
10	4-01-08	16:05		X	GW	MW 230S01	2	3	✓	X	NO PID Reading no odor
11	4-02-08	09:50		X	GW	MW 226S01	2	3	✓	X	NO PID Reading no odor
12	4-02-08	10:50		X	GW	MW 229S01	2	3	✓	X	NO PID Reading no odor
13	4-02-08	08:50		X	GW	MW 226D01	2	3	✓	X	NO PID Reading no odor
14	4-01-08	17:05		X	GW	Equipment Blank	2	3	✓	✓	
15	4-01-08	14:42		X	GW	MW 228S MS/MSD	2	3	✓	X	NO PID Reading no odor
010											
4-208											

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

Cooler Present: ✓ Yes ___ No
Seals Intact: ___ Yes ___ No NA: ___
Cooler Temp: 4.4
Internal Use Only: [ ] Pickup [ ] Technicians____

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4-2-01 16:10	[signature]	4-208 16:10				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

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

Please fax all changes to Chain of Custody in writing.

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

10/26/04 A

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

David Heislein
MACTEC Engineering & Consulting, Inc.
107 Audubon Road
Wakefield, MA 01880

RE: Providence Gorham Site
ESS Laboratory Work Order Number: 0804037

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 Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. 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 mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: April 09, 2008

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 may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

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

Sample Receipt
The following sample(s) were received on April 02, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0804037-01	Ground Water	MW 227D01
0804037-02	Ground Water	MW 227S01
0804037-03	Ground Water	MW 227S01 Dup
0804037-04	Ground Water	MW 220S01
0804037-05	Ground Water	MW 221S01
0804037-06	Ground Water	MW 228D01
0804037-07	Ground Water	MW 228S01
0804037-08	Ground Water	MW 228S01 Dup
0804037-09	Ground Water	MW 230D01
0804037-10	Ground Water	MW 230S01

0804037-11	Ground Water	MW 226S01
0804037-12	Ground Water	MW 229S01
0804037-13	Ground Water	MW 226D01
0804037-14	Ground Water	Equipment Blank

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: MACTEC Engineering & Consulting, Inc.
Client Project ID: Providence Gorham Site ESS Laboratory Work Order: 0804037

PROJECT NARRATIVE

8260B Volatile Organic Compounds

BD80709-BS1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BD80807-BS1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BD80807-BS1	**Blank Spike recovery is below lower control limit.** Tetrahydrofuran
BD80807-BSD1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BD80807-MS1	**Due to high target values, matrix spike is masked.** 1,1,1-Trichloroethane, Tetrachloroethene, Trichloroethene
BD80807-MS1	**Matrix Spike recovery is above upper control limit.** Diethyl Ether, Vinyl Chloride
BD80807-MS1	**Matrix Spike recovery is below lower control limit.** 1,1-Dichloroethane
BD80807-MSD1	**Due to high target values, matrix spike is masked.** 1,1,1-Trichloroethane, Tetrachloroethene, Trichloroethene
BD80807-MSD1	**Matrix Spike recovery is above upper control limit.** Diethyl Ether, Vinyl Chloride
BD80807-MSD1	**Matrix Spike recovery is below lower control limit.** 1,1-Dichloroethane
BD80807-MSD1	**Relative percent difference for duplicate is outside of criteria.** 1,1,1-Trichloroethane
BD80909-BSD1	**Blank Spike recovery is above upper control limit.** Vinyl Chloride
BRD0073-CCV1	**Continuing Calibration recovery is below lower control limit.** 1,4-Dioxane - Screen, Bromomethane
BRD0085-CCV1	**Continuing Calibration recovery is below lower control limit.** 1,4-Dioxane - Screen

No other observations noted.

End of Project Narrative.

VOA
Data Package

VOA
Sample Data

ESS Laboratory

SDG: 0804037

CLASS: MSVOA

METHOD: 8260B

ANALYSES DATA PACKAGE COVER PAGE

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site

Client Sample Id:	Lab Sample Id:
MW 227D01	0804037-01
MW 227D01	0804037-01RE1
MW 227S01	0804037-02
MW 227S01	0804037-02RE1
MW 227S01 Dup	0804037-03
MW 227S01 Dup	0804037-03RE1
MW 220S01	0804037-04
MW 220S01	0804037-04RE1
MW 221S01	0804037-05
MW 221S01	0804037-05RE1
MW 228D01	0804037-06
MW 228D01	0804037-06RE1
MW 228S01	0804037-07
MW 228S01	0804037-07RE1
MW 228S01 Dup	0804037-08
MW 228S01 Dup	0804037-08RE1
MW 230D01	0804037-09
MW 230D01	0804037-09RE1
MW 230S01	0804037-10
MW 230S01	0804037-10RE1
MW 226S01	0804037-11
MW 226S01	0804037-11RE1
MW 229S01	0804037-12
MW 229S01	0804037-12RE1
MW 226D01	0804037-13
MW 226D01	0804037-13RE1
Equipment Blank	0804037-14

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

Signature: _____ Name: _____

Date: _____ Title: _____

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: ESS Laboratory **SDG:** 0804037

Client: MACTEC Engineering & Consulting, Inc. **Project:** Providence Gorham Site

Matrix: Aqueous **Instrument:** VMS1

Analyte	MDL	MRL	Units
1,1,1,2-Tetrachloroethane	0.0002	0.0010	mg/L
1,1,1-Trichloroethane	0.0002	0.0010	mg/L
1,1,2,2-Tetrachloroethane	0.0001	0.0005	mg/L
1,1,2-Trichloroethane	0.0002	0.0010	mg/L
1,1-Dichloroethane	0.0002	0.0010	mg/L
1,1-Dichloroethene	0.0003	0.0010	mg/L
1,1-Dichloropropene	0.0002	0.0020	mg/L
1,2,3-Trichlorobenzene	0.0002	0.0010	mg/L
1,2,3-Trichloropropane	0.0003	0.0010	mg/L
1,2,4-Trichlorobenzene	0.0002	0.0010	mg/L
1,2,4-Trimethylbenzene	0.0002	0.0010	mg/L
1,2-Dibromo-3-Chloropropane	0.0013	0.0050	mg/L
1,2-Dibromoethane	0.0002	0.0010	mg/L
1,2-Dichlorobenzene	0.0002	0.0010	mg/L
1,2-Dichloroethane	0.0002	0.0010	mg/L
1,2-Dichloropropane	0.0002	0.0010	mg/L
1,3,5-Trimethylbenzene	0.0001	0.0010	mg/L
1,3-Dichlorobenzene	0.0002	0.0010	mg/L
1,3-Dichloropropane	0.0001	0.0010	mg/L
1,4-Dichlorobenzene	0.0001	0.0010	mg/L
1,4-Dioxane - Screen	0.0500	0.500	mg/L
1-Chlorohexane	0.0003	0.0010	mg/L
2,2-Dichloropropane	0.0003	0.0010	mg/L
2-Butanone	0.0050	0.0250	mg/L
2-Chlorotoluene	0.0001	0.0010	mg/L
2-Hexanone	0.0015	0.0100	mg/L
4-Chlorotoluene	0.0002	0.0010	mg/L
4-Isopropyltoluene	0.0002	0.0010	mg/L
4-Methyl-2-Pentanone	0.0020	0.0250	mg/L
Acetone	0.0050	0.0250	mg/L
Benzene	0.0001	0.0010	mg/L
Bromobenzene	0.0002	0.0020	mg/L
Bromochloromethane	0.0002	0.0010	mg/L
Bromodichloromethane	0.0002	0.0006	mg/L
Bromoform	0.0002	0.0010	mg/L
Bromomethane	0.0003	0.0020	mg/L
Carbon Disulfide	0.0002	0.0010	mg/L

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: ESS Laboratory **SDG:** 0804037

Client: MACTEC Engineering & Consulting, Inc. **Project:** Providence Gorham Site

Matrix: Aqueous **Instrument:** VMS1

Analyte	MDL	MRL	Units
Carbon Tetrachloride	0.0002	0.0010	mg/L
Chlorobenzene	0.0001	0.0010	mg/L
Chloroethane	0.0003	0.0020	mg/L
Chloroform	0.0002	0.0010	mg/L
Chloromethane	0.0002	0.0020	mg/L
cis-1,2-Dichloroethene	0.0002	0.0010	mg/L
cis-1,3-Dichloropropene	0.0001	0.0004	mg/L
Dibromochloromethane	0.0002	0.0010	mg/L
Dibromomethane	0.0002	0.0010	mg/L
Dichlorodifluoromethane	0.0003	0.0020	mg/L
Diethyl Ether	0.0003	0.0010	mg/L
Di-isopropyl ether	0.0002	0.0010	mg/L
Ethyl tertiary-butyl ether	0.0002	0.0010	mg/L
Ethylbenzene	0.0002	0.0010	mg/L
Hexachlorobutadiene	0.0002	0.0006	mg/L
Hexachloroethane	0.0002	0.0010	mg/L
Isopropylbenzene	0.0001	0.0010	mg/L
Methyl tert-Butyl Ether	0.0003	0.0010	mg/L
Methylene Chloride	0.0005	0.0040	mg/L
Naphthalene	0.0003	0.0010	mg/L
n-Butylbenzene	0.0002	0.0010	mg/L
n-Propylbenzene	0.0002	0.0010	mg/L
sec-Butylbenzene	0.0001	0.0010	mg/L
Styrene	0.0001	0.0010	mg/L
tert-Butylbenzene	0.0001	0.0010	mg/L
Tertiary-amyl methyl ether	0.0002	0.0010	mg/L
Tetrachloroethene	0.0002	0.0010	mg/L
Tetrahydrofuran	0.0015	0.0050	mg/L
Toluene	0.0001	0.0010	mg/L
trans-1,2-Dichloroethene	0.0003	0.0010	mg/L
trans-1,3-Dichloropropene	0.0001	0.0004	mg/L
Trichloroethene	0.0002	0.0010	mg/L
Trichlorofluoromethane	0.0003	0.0010	mg/L
Vinyl Acetate	0.0004	0.0050	mg/L
Vinyl Chloride	0.0001	0.0010	mg/L
Xylene O	0.0002	0.0010	mg/L
Xylene P,M	0.0003	0.0020	mg/L

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227D01

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0804037-01 File ID: M1048279.D

Sampled: 03/31/08 10:18 Prepared: 04/07/08 07:00 Analyzed: 04/07/08 19:31

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80709 Sequence: BRD0064 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	50	0.224	D
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0033	
75-34-3	1,1-Dichloroethane	1	0.0143	
75-35-4	1,1-Dichloroethene	50	0.158	D
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0013	
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-01 | File ID: M1048279.D

Sampled: 03/31/08 10:18 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 19:31

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0218	
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	50	0.0985	D
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0047	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0114	
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	50	3.94	D
75-69-4	Trichlorofluoromethane	1	0.0013	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.3	109	70 - 130	
4-Bromofluorobenzene	25.00	24.1	97	70 - 130	
Dibromofluoromethane	25.00	26.3	105	70 - 130	
Toluene-d8	25.00	24.2	97	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-01	File ID:	M1048279.D
Sampled:	03/31/08 10:18	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 19:31
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3097349	10.21	3449327	10.21	
Chlorobenzene-d5	2329472	14.39	2561062	14.39	
1,4-Dichlorobenzene-D4	1062024	17.07	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-01RE1 | File ID: M1048302.D

Sampled: 03/31/08 10:18 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 16:29

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	50	0.0500	DU
71-55-6	1,1,1-Trichloroethane	50	0.224	D
79-34-5	1,1,2,2-Tetrachloroethane	50	0.0250	DU
79-00-5	1,1,2-Trichloroethane	50	0.0500	DU
75-34-3	1,1-Dichloroethane	50	0.0500	DU
75-35-4	1,1-Dichloroethene	50	0.158	D
563-58-6	1,1-Dichloropropene	50	0.100	DU
87-61-6	1,2,3-Trichlorobenzene	50	0.0500	DU
96-18-4	1,2,3-Trichloropropane	50	0.0500	DU
120-82-1	1,2,4-Trichlorobenzene	50	0.0500	DU
95-63-6	1,2,4-Trimethylbenzene	50	0.0500	DU
96-12-8	1,2-Dibromo-3-Chloropropane	50	0.250	DU
106-93-4	1,2-Dibromoethane	50	0.0500	DU
95-50-1	1,2-Dichlorobenzene	50	0.0500	DU
107-06-2	1,2-Dichloroethane	50	0.0500	DU
78-87-5	1,2-Dichloropropane	50	0.0500	DU
108-67-8	1,3,5-Trimethylbenzene	50	0.0500	DU
541-73-1	1,3-Dichlorobenzene	50	0.0500	DU
142-28-9	1,3-Dichloropropane	50	0.0500	DU
106-46-7	1,4-Dichlorobenzene	50	0.0500	DU
123-91-1	1,4-Dioxane - Screen	50	25.0	DU
544-10-5	1-Chlorohexane	50	0.0500	DU
594-20-7	2,2-Dichloropropane	50	0.0500	DU
78-93-3	2-Butanone	50	1.25	DU
95-49-8	2-Chlorotoluene	50	0.0500	DU
591-78-6	2-Hexanone	50	0.500	DU
106-43-4	4-Chlorotoluene	50	0.0500	DU
99-87-6	4-Isopropyltoluene	50	0.0500	DU
108-10-1	4-Methyl-2-Pentanone	50	1.25	DU
67-64-1	Acetone	50	1.25	DU
71-43-2	Benzene	50	0.0500	DU
108-86-1	Bromobenzene	50	0.100	DU
74-97-5	Bromochloromethane	50	0.0500	DU
75-27-4	Bromodichloromethane	50	0.0300	DU
75-25-2	Bromoform	50	0.0500	DU
74-83-9	Bromomethane	50	0.100	DU
75-15-0	Carbon Disulfide	50	0.0500	DU
56-23-5	Carbon Tetrachloride	50	0.0500	DU
108-90-7	Chlorobenzene	50	0.0500	DU
75-00-3	Chloroethane	50	0.100	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-01RE1 | File ID: M1048302.D

Sampled: 03/31/08 10:18 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 16:29

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	50	0.0500	DU
74-87-3	Chloromethane	50	0.100	DU
156-59-2	cis-1,2-Dichloroethene	50	0.0985	D
10061-01-5	cis-1,3-Dichloropropene	50	0.0200	DU
124-48-1	Dibromochloromethane	50	0.0500	DU
74-95-3	Dibromomethane	50	0.0500	DU
75-71-8	Dichlorodifluoromethane	50	0.100	DU
60-29-7	Diethyl Ether	50	0.0500	DU
108-20-3	Di-isopropyl ether	50	0.0500	DU
637-92-3	Ethyl tertiary-butyl ether	50	0.0500	DU
100-41-4	Ethylbenzene	50	0.0500	DU
87-68-3	Hexachlorobutadiene	50	0.0300	DU
67-72-1	Hexachloroethane	50	0.0500	DU
98-82-8	Isopropylbenzene	50	0.0500	DU
1634-04-4	Methyl tert-Butyl Ether	50	0.0500	DU
75-09-2	Methylene Chloride	50	0.200	DU
91-20-3	Naphthalene	50	0.0500	DU
104-51-8	n-Butylbenzene	50	0.0500	DU
103-65-1	n-Propylbenzene	50	0.0500	DU
135-98-8	sec-Butylbenzene	50	0.0500	DU
100-42-5	Styrene	50	0.0500	DU
98-06-6	tert-Butylbenzene	50	0.0500	DU
994-05-8	Tertiary-amyl methyl ether	50	0.0500	DU
127-18-4	Tetrachloroethene	50	0.0500	DU
109-99-9	Tetrahydrofuran	50	0.250	DU
108-88-3	Toluene	50	0.0500	DU
156-60-5	trans-1,2-Dichloroethene	50	0.0500	DU
10061-02-6	trans-1,3-Dichloropropene	50	0.0200	DU
79-01-6	Trichloroethene	50	3.94	D
75-69-4	Trichlorofluoromethane	50	0.0500	DU
108-05-4	Vinyl Acetate	50	0.250	DU
75-01-4	Vinyl Chloride	50	0.0500	DU
95-47-6	Xylene O	50	0.0500	DU
1330-20-7	Xylene P,M	50	0.100	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.4	114	70 - 130	
4-Bromofluorobenzene	25.00	23.6	94	70 - 130	
Dibromofluoromethane	25.00	26.2	105	70 - 130	
Toluene-d8	25.00	24.0	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-01RE1	File ID:	M1048302.D
Sampled:	03/31/08 10:18	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 16:29
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2846210	10.21	3292493	10.21	
Chlorobenzene-d5	2096603	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	956004	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-02	File ID:	M1048280.D
Sampled:	03/31/08 12:15	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 19:59
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	10	0.432	D
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	10	0.105	D
75-35-4	1,1-Dichloroethene	1	0.0128	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0023	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-02 | File ID: M1048280.D

Sampled: 03/31/08 12:15 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 19:59

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0078	
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0389	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0221	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	10	0.348	D
75-69-4	Trichlorofluoromethane	1	0.0062	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.0	112	70 - 130	
4-Bromofluorobenzene	25.00	24.1	97	70 - 130	
Dibromofluoromethane	25.00	26.2	105	70 - 130	
Toluene-d8	25.00	24.2	97	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-02	File ID:	M1048280.D
Sampled:	03/31/08 12:15	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 19:59
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3216284	10.21	3449327	10.21	
Chlorobenzene-d5	2382828	14.39	2561062	14.39	
1,4-Dichlorobenzene-D4	1082537	17.06	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-02RE1	File ID:	M1048295.D
Sampled:	03/31/08 12:15	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 13:06
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	10	0.0100	DU
71-55-6	1,1,1-Trichloroethane	10	0.432	D
79-34-5	1,1,2,2-Tetrachloroethane	10	0.0050	DU
79-00-5	1,1,2-Trichloroethane	10	0.0100	DU
75-34-3	1,1-Dichloroethane	10	0.105	D
75-35-4	1,1-Dichloroethene	10	0.0130	D
563-58-6	1,1-Dichloropropene	10	0.0200	DU
87-61-6	1,2,3-Trichlorobenzene	10	0.0100	DU
96-18-4	1,2,3-Trichloropropane	10	0.0100	DU
120-82-1	1,2,4-Trichlorobenzene	10	0.0100	DU
95-63-6	1,2,4-Trimethylbenzene	10	0.0100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	10	0.0500	DU
106-93-4	1,2-Dibromoethane	10	0.0100	DU
95-50-1	1,2-Dichlorobenzene	10	0.0100	DU
107-06-2	1,2-Dichloroethane	10	0.0100	DU
78-87-5	1,2-Dichloropropane	10	0.0100	DU
108-67-8	1,3,5-Trimethylbenzene	10	0.0100	DU
541-73-1	1,3-Dichlorobenzene	10	0.0100	DU
142-28-9	1,3-Dichloropropane	10	0.0100	DU
106-46-7	1,4-Dichlorobenzene	10	0.0100	DU
123-91-1	1,4-Dioxane - Screen	10	5.00	DU
544-10-5	1-Chlorohexane	10	0.0100	DU
594-20-7	2,2-Dichloropropane	10	0.0100	DU
78-93-3	2-Butanone	10	0.250	DU
95-49-8	2-Chlorotoluene	10	0.0100	DU
591-78-6	2-Hexanone	10	0.100	DU
106-43-4	4-Chlorotoluene	10	0.0100	DU
99-87-6	4-Isopropyltoluene	10	0.0100	DU
108-10-1	4-Methyl-2-Pentanone	10	0.250	DU
67-64-1	Acetone	10	0.250	DU
71-43-2	Benzene	10	0.0100	DU
108-86-1	Bromobenzene	10	0.0200	DU
74-97-5	Bromochloromethane	10	0.0100	DU
75-27-4	Bromodichloromethane	10	0.0060	DU
75-25-2	Bromoform	10	0.0100	DU
74-83-9	Bromomethane	10	0.0200	DU
75-15-0	Carbon Disulfide	10	0.0100	DU
56-23-5	Carbon Tetrachloride	10	0.0100	DU
108-90-7	Chlorobenzene	10	0.0100	DU
75-00-3	Chloroethane	10	0.0200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-02RE1 | File ID: M1048295.D

Sampled: 03/31/08 12:15 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 13:06

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	10	0.0100	DU
74-87-3	Chloromethane	10	0.0200	DU
156-59-2	cis-1,2-Dichloroethene	10	0.0397	D
10061-01-5	cis-1,3-Dichloropropene	10	0.0040	DU
124-48-1	Dibromochloromethane	10	0.0100	DU
74-95-3	Dibromomethane	10	0.0100	DU
75-71-8	Dichlorodifluoromethane	10	0.0200	DU
60-29-7	Diethyl Ether	10	0.0100	DU
108-20-3	Di-isopropyl ether	10	0.0100	DU
637-92-3	Ethyl tertiary-butyl ether	10	0.0100	DU
100-41-4	Ethylbenzene	10	0.0100	DU
87-68-3	Hexachlorobutadiene	10	0.0060	DU
67-72-1	Hexachloroethane	10	0.0100	DU
98-82-8	Isopropylbenzene	10	0.0100	DU
1634-04-4	Methyl tert-Butyl Ether	10	0.0100	DU
75-09-2	Methylene Chloride	10	0.0400	DU
91-20-3	Naphthalene	10	0.0100	DU
104-51-8	n-Butylbenzene	10	0.0100	DU
103-65-1	n-Propylbenzene	10	0.0100	DU
135-98-8	sec-Butylbenzene	10	0.0100	DU
100-42-5	Styrene	10	0.0100	DU
98-06-6	tert-Butylbenzene	10	0.0100	DU
994-05-8	Tertiary-amyl methyl ether	10	0.0100	DU
127-18-4	Tetrachloroethene	10	0.0230	D
109-99-9	Tetrahydrofuran	10	0.0500	DU
108-88-3	Toluene	10	0.0100	DU
156-60-5	trans-1,2-Dichloroethene	10	0.0100	DU
10061-02-6	trans-1,3-Dichloropropene	10	0.0040	DU
79-01-6	Trichloroethene	10	0.348	D
75-69-4	Trichlorofluoromethane	10	0.0100	DU
108-05-4	Vinyl Acetate	10	0.0500	DU
75-01-4	Vinyl Chloride	10	0.0100	DU
95-47-6	Xylene O	10	0.0100	DU
1330-20-7	Xylene P,M	10	0.0200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.1	112	70 - 130	
4-Bromofluorobenzene	25.00	24.3	97	70 - 130	
Dibromofluoromethane	25.00	25.6	102	70 - 130	
Toluene-d8	25.00	24.2	97	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-02RE1	File ID:	M1048295.D
Sampled:	03/31/08 12:15	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 13:06
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3156459	10.21	3292493	10.21	
Chlorobenzene-d5	2335323	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	1049941	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01 Dup

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-03	File ID:	M1048306.D
Sampled:	03/31/08 12:15	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 13:35
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	10	0.400	D
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	10	0.101	D
75-35-4	1,1-Dichloroethene	1	0.0130	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0023	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01 Dup

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-03 | File ID: M1048306.D

Sampled: 03/31/08 12:15 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 13:35

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0079	
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0384	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0213	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	10	0.312	D
75-69-4	Trichlorofluoromethane	1	0.0062	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.1	112	70 - 130	
4-Bromofluorobenzene	25.00	24.6	98	70 - 130	
Dibromofluoromethane	25.00	26.5	106	70 - 130	
Toluene-d8	25.00	24.3	97	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01 Dup

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-03	File ID:	M1048306.D
Sampled:	03/31/08 12:15	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 13:35
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2903074	10.22	3292493	10.21	
Chlorobenzene-d5	2136745	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	1012607	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01 Dup

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-03RE1 | File ID: M1048296.D

Sampled: 03/31/08 12:15 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 13:35

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	10	0.0100	DU
71-55-6	1,1,1-Trichloroethane	10	0.400	D
79-34-5	1,1,2,2-Tetrachloroethane	10	0.0050	DU
79-00-5	1,1,2-Trichloroethane	10	0.0100	DU
75-34-3	1,1-Dichloroethane	10	0.101	D
75-35-4	1,1-Dichloroethene	10	0.0122	D
563-58-6	1,1-Dichloropropene	10	0.0200	DU
87-61-6	1,2,3-Trichlorobenzene	10	0.0100	DU
96-18-4	1,2,3-Trichloropropane	10	0.0100	DU
120-82-1	1,2,4-Trichlorobenzene	10	0.0100	DU
95-63-6	1,2,4-Trimethylbenzene	10	0.0100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	10	0.0500	DU
106-93-4	1,2-Dibromoethane	10	0.0100	DU
95-50-1	1,2-Dichlorobenzene	10	0.0100	DU
107-06-2	1,2-Dichloroethane	10	0.0100	DU
78-87-5	1,2-Dichloropropane	10	0.0100	DU
108-67-8	1,3,5-Trimethylbenzene	10	0.0100	DU
541-73-1	1,3-Dichlorobenzene	10	0.0100	DU
142-28-9	1,3-Dichloropropane	10	0.0100	DU
106-46-7	1,4-Dichlorobenzene	10	0.0100	DU
123-91-1	1,4-Dioxane - Screen	10	5.00	DU
544-10-5	1-Chlorohexane	10	0.0100	DU
594-20-7	2,2-Dichloropropane	10	0.0100	DU
78-93-3	2-Butanone	10	0.250	DU
95-49-8	2-Chlorotoluene	10	0.0100	DU
591-78-6	2-Hexanone	10	0.100	DU
106-43-4	4-Chlorotoluene	10	0.0100	DU
99-87-6	4-Isopropyltoluene	10	0.0100	DU
108-10-1	4-Methyl-2-Pentanone	10	0.250	DU
67-64-1	Acetone	10	0.250	DU
71-43-2	Benzene	10	0.0100	DU
108-86-1	Bromobenzene	10	0.0200	DU
74-97-5	Bromochloromethane	10	0.0100	DU
75-27-4	Bromodichloromethane	10	0.0060	DU
75-25-2	Bromoform	10	0.0100	DU
74-83-9	Bromomethane	10	0.0200	DU
75-15-0	Carbon Disulfide	10	0.0100	DU
56-23-5	Carbon Tetrachloride	10	0.0100	DU
108-90-7	Chlorobenzene	10	0.0100	DU
75-00-3	Chloroethane	10	0.0200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01 Dup

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-03RE1 | File ID: M1048296.D

Sampled: 03/31/08 12:15 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 13:35

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	10	0.0100	DU
74-87-3	Chloromethane	10	0.0200	DU
156-59-2	cis-1,2-Dichloroethene	10	0.0376	D
10061-01-5	cis-1,3-Dichloropropene	10	0.0040	DU
124-48-1	Dibromochloromethane	10	0.0100	DU
74-95-3	Dibromomethane	10	0.0100	DU
75-71-8	Dichlorodifluoromethane	10	0.0200	DU
60-29-7	Diethyl Ether	10	0.0100	DU
108-20-3	Di-isopropyl ether	10	0.0100	DU
637-92-3	Ethyl tertiary-butyl ether	10	0.0100	DU
100-41-4	Ethylbenzene	10	0.0100	DU
87-68-3	Hexachlorobutadiene	10	0.0060	DU
67-72-1	Hexachloroethane	10	0.0100	DU
98-82-8	Isopropylbenzene	10	0.0100	DU
1634-04-4	Methyl tert-Butyl Ether	10	0.0100	DU
75-09-2	Methylene Chloride	10	0.0400	DU
91-20-3	Naphthalene	10	0.0100	DU
104-51-8	n-Butylbenzene	10	0.0100	DU
103-65-1	n-Propylbenzene	10	0.0100	DU
135-98-8	sec-Butylbenzene	10	0.0100	DU
100-42-5	Styrene	10	0.0100	DU
98-06-6	tert-Butylbenzene	10	0.0100	DU
994-05-8	Tertiary-amyl methyl ether	10	0.0100	DU
127-18-4	Tetrachloroethene	10	0.0204	D
109-99-9	Tetrahydrofuran	10	0.0500	DU
108-88-3	Toluene	10	0.0100	DU
156-60-5	trans-1,2-Dichloroethene	10	0.0100	DU
10061-02-6	trans-1,3-Dichloropropene	10	0.0040	DU
79-01-6	Trichloroethene	10	0.312	D
75-69-4	Trichlorofluoromethane	10	0.0100	DU
108-05-4	Vinyl Acetate	10	0.0500	DU
75-01-4	Vinyl Chloride	10	0.0100	DU
95-47-6	Xylene O	10	0.0100	DU
1330-20-7	Xylene P,M	10	0.0200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.4	113	70 - 130	
4-Bromofluorobenzene	25.00	24.2	97	70 - 130	
Dibromofluoromethane	25.00	26.3	105	70 - 130	
Toluene-d8	25.00	23.9	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 227S01 Dup

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-03RE1	File ID:	M1048296.D
Sampled:	03/31/08 12:15	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 13:35
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2888023	10.21	3292493	10.21	
Chlorobenzene-d5	2149492	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	977165	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 220S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-04 | File ID: M1048322.D

Sampled: 03/31/08 14:25 | Prepared: 04/09/08 07:00 | Analyzed: 04/07/08 16:18

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0696	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	100	0.131	D
75-35-4	1,1-Dichloroethene	1	0.0045	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0133	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 220S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-04 | File ID: M1048322.D

Sampled: 03/31/08 14:25 | Prepared: 04/09/08 07:00 | Analyzed: 04/07/08 16:18

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	100	0.108	D
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0011	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0232	
75-69-4	Trichlorofluoromethane	1	0.0016	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.4	110	70 - 130	
4-Bromofluorobenzene	25.00	23.7	95	70 - 130	
Dibromofluoromethane	25.00	25.9	103	70 - 130	
Toluene-d8	25.00	23.5	94	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 220S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-04	File ID:	M1048322.D
Sampled:	03/31/08 14:25	Prepared:	04/09/08 07:00	Analyzed:	04/07/08 16:18
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3152477	10.22	3429944	10.22	
Chlorobenzene-d5	2331058	14.4	2419813	14.39	
1,4-Dichlorobenzene-D4	1040323	17.07	1056695	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 220S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-04RE1	File ID:	M1048272.D
Sampled:	03/31/08 14:25	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 16:18
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	100	0.100	DU
71-55-6	1,1,1-Trichloroethane	100	0.100	DU
79-34-5	1,1,2,2-Tetrachloroethane	100	0.0500	DU
79-00-5	1,1,2-Trichloroethane	100	0.100	DU
75-34-3	1,1-Dichloroethane	100	0.131	D
75-35-4	1,1-Dichloroethene	100	0.100	DU
563-58-6	1,1-Dichloropropene	100	0.200	DU
87-61-6	1,2,3-Trichlorobenzene	100	0.100	DU
96-18-4	1,2,3-Trichloropropane	100	0.100	DU
120-82-1	1,2,4-Trichlorobenzene	100	0.100	DU
95-63-6	1,2,4-Trimethylbenzene	100	0.100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	100	0.500	DU
106-93-4	1,2-Dibromoethane	100	0.100	DU
95-50-1	1,2-Dichlorobenzene	100	0.100	DU
107-06-2	1,2-Dichloroethane	100	0.100	DU
78-87-5	1,2-Dichloropropane	100	0.100	DU
108-67-8	1,3,5-Trimethylbenzene	100	0.100	DU
541-73-1	1,3-Dichlorobenzene	100	0.100	DU
142-28-9	1,3-Dichloropropane	100	0.100	DU
106-46-7	1,4-Dichlorobenzene	100	0.100	DU
123-91-1	1,4-Dioxane - Screen	100	50.0	DU
544-10-5	1-Chlorohexane	100	0.100	DU
594-20-7	2,2-Dichloropropane	100	0.100	DU
78-93-3	2-Butanone	100	2.50	DU
95-49-8	2-Chlorotoluene	100	0.100	DU
591-78-6	2-Hexanone	100	1.00	DU
106-43-4	4-Chlorotoluene	100	0.100	DU
99-87-6	4-Isopropyltoluene	100	0.100	DU
108-10-1	4-Methyl-2-Pentanone	100	2.50	DU
67-64-1	Acetone	100	2.50	DU
71-43-2	Benzene	100	0.100	DU
108-86-1	Bromobenzene	100	0.200	DU
74-97-5	Bromochloromethane	100	0.100	DU
75-27-4	Bromodichloromethane	100	0.0600	DU
75-25-2	Bromoform	100	0.100	DU
74-83-9	Bromomethane	100	0.200	DU
75-15-0	Carbon Disulfide	100	0.100	DU
56-23-5	Carbon Tetrachloride	100	0.100	DU
108-90-7	Chlorobenzene	100	0.100	DU
75-00-3	Chloroethane	100	0.200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 220S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-04RE1 | File ID: M1048272.D

Sampled: 03/31/08 14:25 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 16:18

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	100	0.100	DU
74-87-3	Chloromethane	100	0.200	DU
156-59-2	cis-1,2-Dichloroethene	100	0.108	D
10061-01-5	cis-1,3-Dichloropropene	100	0.0400	DU
124-48-1	Dibromochloromethane	100	0.100	DU
74-95-3	Dibromomethane	100	0.100	DU
75-71-8	Dichlorodifluoromethane	100	0.200	DU
60-29-7	Diethyl Ether	100	0.100	DU
108-20-3	Di-isopropyl ether	100	0.100	DU
637-92-3	Ethyl tertiary-butyl ether	100	0.100	DU
100-41-4	Ethylbenzene	100	0.100	DU
87-68-3	Hexachlorobutadiene	100	0.0600	DU
67-72-1	Hexachloroethane	100	0.100	DU
98-82-8	Isopropylbenzene	100	0.100	DU
1634-04-4	Methyl tert-Butyl Ether	100	0.100	DU
75-09-2	Methylene Chloride	100	0.400	DU
91-20-3	Naphthalene	100	0.100	DU
104-51-8	n-Butylbenzene	100	0.100	DU
103-65-1	n-Propylbenzene	100	0.100	DU
135-98-8	sec-Butylbenzene	100	0.100	DU
100-42-5	Styrene	100	0.100	DU
98-06-6	tert-Butylbenzene	100	0.100	DU
994-05-8	Tertiary-amyl methyl ether	100	0.100	DU
127-18-4	Tetrachloroethene	100	0.100	DU
109-99-9	Tetrahydrofuran	100	0.500	DU
108-88-3	Toluene	100	0.100	DU
156-60-5	trans-1,2-Dichloroethene	100	0.100	DU
10061-02-6	trans-1,3-Dichloropropene	100	0.0400	DU
79-01-6	Trichloroethene	100	0.100	DU
75-69-4	Trichlorofluoromethane	100	0.100	DU
108-05-4	Vinyl Acetate	100	0.500	DU
75-01-4	Vinyl Chloride	100	0.100	DU
95-47-6	Xylene O	100	0.100	DU
1330-20-7	Xylene P,M	100	0.200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.6	111	70 - 130	
4-Bromofluorobenzene	25.00	24.7	99	70 - 130	
Dibromofluoromethane	25.00	26.4	106	70 - 130	
Toluene-d8	25.00	24.1	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 220S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-04RE1	File ID:	M1048272.D
Sampled:	03/31/08 14:25	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 16:18
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3413100	10.21	3449327	10.21	
Chlorobenzene-d5	2615456	14.39	2561062	14.39	
1,4-Dichlorobenzene-D4	1227371	17.07	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 221S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-05 | File ID: M1048305.D

Sampled: 03/31/08 16:30 | Prepared: 04/08/08 07:00 | Analyzed: 04/07/08 16:47

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0248	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	100	0.102	D
75-35-4	1,1-Dichloroethene	1	0.0010	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0267	
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0063	
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0013	
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0016	
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0340	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 221S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-05	File ID:	M1048305.D
Sampled:	03/31/08 16:30	Prepared:	04/08/08 07:00	Analyzed:	04/07/08 16:47
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0264	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0077	
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0017	
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0284	
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0026	
135-98-8	sec-Butylbenzene	1	0.0011	
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0030	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0014	
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0175	
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0249	
95-47-6	Xylene O	1	0.0137	
1330-20-7	Xylene P,M	1	0.0074	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.3	113	70 - 130	
4-Bromofluorobenzene	25.00	24.2	97	70 - 130	
Dibromofluoromethane	25.00	26.4	106	70 - 130	
Toluene-d8	25.00	23.4	94	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 221S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-05	File ID:	M1048305.D
Sampled:	03/31/08 16:30	Prepared:	04/08/08 07:00	Analyzed:	04/07/08 16:47
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2768005	10.21	3292493	10.21	
Chlorobenzene-d5	2069035	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	996513	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 221S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-05RE1	File ID:	M1048273.D
Sampled:	03/31/08 16:30	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 16:47
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	100	0.100	DU
71-55-6	1,1,1-Trichloroethane	100	0.100	DU
79-34-5	1,1,2,2-Tetrachloroethane	100	0.0500	DU
79-00-5	1,1,2-Trichloroethane	100	0.100	DU
75-34-3	1,1-Dichloroethane	100	0.102	D
75-35-4	1,1-Dichloroethene	100	0.100	DU
563-58-6	1,1-Dichloropropene	100	0.200	DU
87-61-6	1,2,3-Trichlorobenzene	100	0.100	DU
96-18-4	1,2,3-Trichloropropane	100	0.100	DU
120-82-1	1,2,4-Trichlorobenzene	100	0.100	DU
95-63-6	1,2,4-Trimethylbenzene	100	0.100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	100	0.500	DU
106-93-4	1,2-Dibromoethane	100	0.100	DU
95-50-1	1,2-Dichlorobenzene	100	0.100	DU
107-06-2	1,2-Dichloroethane	100	0.100	DU
78-87-5	1,2-Dichloropropane	100	0.100	DU
108-67-8	1,3,5-Trimethylbenzene	100	0.100	DU
541-73-1	1,3-Dichlorobenzene	100	0.100	DU
142-28-9	1,3-Dichloropropane	100	0.100	DU
106-46-7	1,4-Dichlorobenzene	100	0.100	DU
123-91-1	1,4-Dioxane - Screen	100	50.0	DU
544-10-5	1-Chlorohexane	100	0.100	DU
594-20-7	2,2-Dichloropropane	100	0.100	DU
78-93-3	2-Butanone	100	2.50	DU
95-49-8	2-Chlorotoluene	100	0.100	DU
591-78-6	2-Hexanone	100	1.00	DU
106-43-4	4-Chlorotoluene	100	0.100	DU
99-87-6	4-Isopropyltoluene	100	0.100	DU
108-10-1	4-Methyl-2-Pentanone	100	2.50	DU
67-64-1	Acetone	100	2.50	DU
71-43-2	Benzene	100	0.100	DU
108-86-1	Bromobenzene	100	0.200	DU
74-97-5	Bromochloromethane	100	0.100	DU
75-27-4	Bromodichloromethane	100	0.0600	DU
75-25-2	Bromoform	100	0.100	DU
74-83-9	Bromomethane	100	0.200	DU
75-15-0	Carbon Disulfide	100	0.100	DU
56-23-5	Carbon Tetrachloride	100	0.100	DU
108-90-7	Chlorobenzene	100	0.100	DU
75-00-3	Chloroethane	100	0.200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 221S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-05RE1 | File ID: M1048273.D

Sampled: 03/31/08 16:30 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 16:47

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	100	0.100	DU
74-87-3	Chloromethane	100	0.200	DU
156-59-2	cis-1,2-Dichloroethene	100	0.100	DU
10061-01-5	cis-1,3-Dichloropropene	100	0.0400	DU
124-48-1	Dibromochloromethane	100	0.100	DU
74-95-3	Dibromomethane	100	0.100	DU
75-71-8	Dichlorodifluoromethane	100	0.200	DU
60-29-7	Diethyl Ether	100	0.100	DU
108-20-3	Di-isopropyl ether	100	0.100	DU
637-92-3	Ethyl tertiary-butyl ether	100	0.100	DU
100-41-4	Ethylbenzene	100	0.100	DU
87-68-3	Hexachlorobutadiene	100	0.0600	DU
67-72-1	Hexachloroethane	100	0.100	DU
98-82-8	Isopropylbenzene	100	0.100	DU
1634-04-4	Methyl tert-Butyl Ether	100	0.100	DU
75-09-2	Methylene Chloride	100	0.400	DU
91-20-3	Naphthalene	100	0.100	DU
104-51-8	n-Butylbenzene	100	0.100	DU
103-65-1	n-Propylbenzene	100	0.100	DU
135-98-8	sec-Butylbenzene	100	0.100	DU
100-42-5	Styrene	100	0.100	DU
98-06-6	tert-Butylbenzene	100	0.100	DU
994-05-8	Tertiary-amyl methyl ether	100	0.100	DU
127-18-4	Tetrachloroethene	100	0.100	DU
109-99-9	Tetrahydrofuran	100	0.500	DU
108-88-3	Toluene	100	0.100	DU
156-60-5	trans-1,2-Dichloroethene	100	0.100	DU
10061-02-6	trans-1,3-Dichloropropene	100	0.0400	DU
79-01-6	Trichloroethene	100	0.100	DU
75-69-4	Trichlorofluoromethane	100	0.100	DU
108-05-4	Vinyl Acetate	100	0.500	DU
75-01-4	Vinyl Chloride	100	0.100	DU
95-47-6	Xylene O	100	0.100	DU
1330-20-7	Xylene P,M	100	0.200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.7	111	70 - 130	
4-Bromofluorobenzene	25.00	24.7	99	70 - 130	
Dibromofluoromethane	25.00	25.8	103	70 - 130	
Toluene-d8	25.00	24.5	98	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 221S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-05RE1	File ID:	M1048273.D
Sampled:	03/31/08 16:30	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 16:47
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3214094	10.21	3449327	10.21	
Chlorobenzene-d5	2474136	14.39	2561062	14.39	
1,4-Dichlorobenzene-D4	1147151	17.07	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-06 | File ID: M1048323.D

Sampled: 04/01/08 10:15 | Prepared: 04/09/08 07:00 | Analyzed: 04/09/08 12:08

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0035	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0014	
75-34-3	1,1-Dichloroethane	1	0.0097	
75-35-4	1,1-Dichloroethene	1	0.0422	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-06 | File ID: M1048323.D

Sampled: 04/01/08 10:15 | Prepared: 04/09/08 07:00 | Analyzed: 04/09/08 12:08

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0016	
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0764	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0023	
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0054	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0084	
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	50	0.912	D
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0019	
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.1	112	70 - 130	
4-Bromofluorobenzene	25.00	23.9	96	70 - 130	
Dibromofluoromethane	25.00	26.1	105	70 - 130	
Toluene-d8	25.00	24.2	97	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-06	File ID:	M1048323.D
Sampled:	04/01/08 10:15	Prepared:	04/09/08 07:00	Analyzed:	04/09/08 12:08
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3031784	10.22	3429944	10.22	
Chlorobenzene-d5	2259342	14.4	2419813	14.39	
1,4-Dichlorobenzene-D4	1034705	17.08	1056695	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-06RE1 | File ID: M1048320.D

Sampled: 04/01/08 10:15 | Prepared: 04/09/08 07:00 | Analyzed: 04/09/08 12:08

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	50	0.0500	DU
71-55-6	1,1,1-Trichloroethane	50	0.0500	DU
79-34-5	1,1,2,2-Tetrachloroethane	50	0.0250	DU
79-00-5	1,1,2-Trichloroethane	50	0.0500	DU
75-34-3	1,1-Dichloroethane	50	0.0500	DU
75-35-4	1,1-Dichloroethene	50	0.0500	DU
563-58-6	1,1-Dichloropropene	50	0.100	DU
87-61-6	1,2,3-Trichlorobenzene	50	0.0500	DU
96-18-4	1,2,3-Trichloropropane	50	0.0500	DU
120-82-1	1,2,4-Trichlorobenzene	50	0.0500	DU
95-63-6	1,2,4-Trimethylbenzene	50	0.0500	DU
96-12-8	1,2-Dibromo-3-Chloropropane	50	0.250	DU
106-93-4	1,2-Dibromoethane	50	0.0500	DU
95-50-1	1,2-Dichlorobenzene	50	0.0500	DU
107-06-2	1,2-Dichloroethane	50	0.0500	DU
78-87-5	1,2-Dichloropropane	50	0.0500	DU
108-67-8	1,3,5-Trimethylbenzene	50	0.0500	DU
541-73-1	1,3-Dichlorobenzene	50	0.0500	DU
142-28-9	1,3-Dichloropropane	50	0.0500	DU
106-46-7	1,4-Dichlorobenzene	50	0.0500	DU
123-91-1	1,4-Dioxane - Screen	50	25.0	DU
544-10-5	1-Chlorohexane	50	0.0500	DU
594-20-7	2,2-Dichloropropane	50	0.0500	DU
78-93-3	2-Butanone	50	1.25	DU
95-49-8	2-Chlorotoluene	50	0.0500	DU
591-78-6	2-Hexanone	50	0.500	DU
106-43-4	4-Chlorotoluene	50	0.0500	DU
99-87-6	4-Isopropyltoluene	50	0.0500	DU
108-10-1	4-Methyl-2-Pentanone	50	1.25	DU
67-64-1	Acetone	50	1.25	DU
71-43-2	Benzene	50	0.0500	DU
108-86-1	Bromobenzene	50	0.100	DU
74-97-5	Bromochloromethane	50	0.0500	DU
75-27-4	Bromodichloromethane	50	0.0300	DU
75-25-2	Bromoform	50	0.0500	DU
74-83-9	Bromomethane	50	0.100	DU
75-15-0	Carbon Disulfide	50	0.0500	DU
56-23-5	Carbon Tetrachloride	50	0.0500	DU
108-90-7	Chlorobenzene	50	0.0500	DU
75-00-3	Chloroethane	50	0.100	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-06RE1 | File ID: M1048320.D

Sampled: 04/01/08 10:15 | Prepared: 04/09/08 07:00 | Analyzed: 04/09/08 12:08

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	50	0.0500	DU
74-87-3	Chloromethane	50	0.100	DU
156-59-2	cis-1,2-Dichloroethene	50	0.0725	D
10061-01-5	cis-1,3-Dichloropropene	50	0.0200	DU
124-48-1	Dibromochloromethane	50	0.0500	DU
74-95-3	Dibromomethane	50	0.0500	DU
75-71-8	Dichlorodifluoromethane	50	0.100	DU
60-29-7	Diethyl Ether	50	0.0500	DU
108-20-3	Di-isopropyl ether	50	0.0500	DU
637-92-3	Ethyl tertiary-butyl ether	50	0.0500	DU
100-41-4	Ethylbenzene	50	0.0500	DU
87-68-3	Hexachlorobutadiene	50	0.0300	DU
67-72-1	Hexachloroethane	50	0.0500	DU
98-82-8	Isopropylbenzene	50	0.0500	DU
1634-04-4	Methyl tert-Butyl Ether	50	0.0500	DU
75-09-2	Methylene Chloride	50	0.200	DU
91-20-3	Naphthalene	50	0.0500	DU
104-51-8	n-Butylbenzene	50	0.0500	DU
103-65-1	n-Propylbenzene	50	0.0500	DU
135-98-8	sec-Butylbenzene	50	0.0500	DU
100-42-5	Styrene	50	0.0500	DU
98-06-6	tert-Butylbenzene	50	0.0500	DU
994-05-8	Tertiary-amyl methyl ether	50	0.0500	DU
127-18-4	Tetrachloroethene	50	0.0500	DU
109-99-9	Tetrahydrofuran	50	0.250	DU
108-88-3	Toluene	50	0.0500	DU
156-60-5	trans-1,2-Dichloroethene	50	0.0500	DU
10061-02-6	trans-1,3-Dichloropropene	50	0.0200	DU
79-01-6	Trichloroethene	50	0.912	D
75-69-4	Trichlorofluoromethane	50	0.0500	DU
108-05-4	Vinyl Acetate	50	0.250	DU
75-01-4	Vinyl Chloride	50	0.0500	DU
95-47-6	Xylene O	50	0.0500	DU
1330-20-7	Xylene P,M	50	0.100	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.3	109	70 - 130	
4-Bromofluorobenzene	25.00	24.6	98	70 - 130	
Dibromofluoromethane	25.00	25.5	102	70 - 130	
Toluene-d8	25.00	24.6	98	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-06RE1	File ID:	M1048320.D
Sampled:	04/01/08 10:15	Prepared:	04/09/08 07:00	Analyzed:	04/09/08 12:08
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3242636	10.22	3429944	10.22	
Chlorobenzene-d5	2334801	14.4	2419813	14.39	
1,4-Dichlorobenzene-D4	1082053	17.07	1056695	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-07	File ID:	M1048308.D
Sampled:	04/01/08 14:42	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 17:27
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	50	0.114	D
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0443	
75-35-4	1,1-Dichloroethene	1	0.0103	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-07 | File ID: M1048308.D

Sampled: 04/01/08 14:42 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 17:27

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0165	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	50	3.61	D
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	50	0.578	D
75-69-4	Trichlorofluoromethane	1	0.0040	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.0	108	70 - 130	
4-Bromofluorobenzene	25.00	24.1	97	70 - 130	
Dibromofluoromethane	25.00	25.8	103	70 - 130	
Toluene-d8	25.00	23.8	95	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-07	File ID:	M1048308.D
Sampled:	04/01/08 14:42	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 17:27
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2906630	10.21	3292493	10.21	
Chlorobenzene-d5	2149164	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	986280	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-07RE1	File ID:	M1048304.D
Sampled:	04/01/08 14:42	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 17:27
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
				Instrument:	VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	50	0.0500	DU
71-55-6	1,1,1-Trichloroethane	50	0.114	D
79-34-5	1,1,2,2-Tetrachloroethane	50	0.0250	DU
79-00-5	1,1,2-Trichloroethane	50	0.0500	DU
75-34-3	1,1-Dichloroethane	50	0.0500	DU
75-35-4	1,1-Dichloroethene	50	0.0500	DU
563-58-6	1,1-Dichloropropene	50	0.100	DU
87-61-6	1,2,3-Trichlorobenzene	50	0.0500	DU
96-18-4	1,2,3-Trichloropropane	50	0.0500	DU
120-82-1	1,2,4-Trichlorobenzene	50	0.0500	DU
95-63-6	1,2,4-Trimethylbenzene	50	0.0500	DU
96-12-8	1,2-Dibromo-3-Chloropropane	50	0.250	DU
106-93-4	1,2-Dibromoethane	50	0.0500	DU
95-50-1	1,2-Dichlorobenzene	50	0.0500	DU
107-06-2	1,2-Dichloroethane	50	0.0500	DU
78-87-5	1,2-Dichloropropane	50	0.0500	DU
108-67-8	1,3,5-Trimethylbenzene	50	0.0500	DU
541-73-1	1,3-Dichlorobenzene	50	0.0500	DU
142-28-9	1,3-Dichloropropane	50	0.0500	DU
106-46-7	1,4-Dichlorobenzene	50	0.0500	DU
123-91-1	1,4-Dioxane - Screen	50	25.0	DU
544-10-5	1-Chlorohexane	50	0.0500	DU
594-20-7	2,2-Dichloropropane	50	0.0500	DU
78-93-3	2-Butanone	50	1.25	DU
95-49-8	2-Chlorotoluene	50	0.0500	DU
591-78-6	2-Hexanone	50	0.500	DU
106-43-4	4-Chlorotoluene	50	0.0500	DU
99-87-6	4-Isopropyltoluene	50	0.0500	DU
108-10-1	4-Methyl-2-Pentanone	50	1.25	DU
67-64-1	Acetone	50	1.25	DU
71-43-2	Benzene	50	0.0500	DU
108-86-1	Bromobenzene	50	0.100	DU
74-97-5	Bromochloromethane	50	0.0500	DU
75-27-4	Bromodichloromethane	50	0.0300	DU
75-25-2	Bromoform	50	0.0500	DU
74-83-9	Bromomethane	50	0.100	DU
75-15-0	Carbon Disulfide	50	0.0500	DU
56-23-5	Carbon Tetrachloride	50	0.0500	DU
108-90-7	Chlorobenzene	50	0.0500	DU
75-00-3	Chloroethane	50	0.100	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-07RE1 | File ID: M1048304.D

Sampled: 04/01/08 14:42 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 17:27

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	50	0.0500	DU
74-87-3	Chloromethane	50	0.100	DU
156-59-2	cis-1,2-Dichloroethene	50	0.0500	DU
10061-01-5	cis-1,3-Dichloropropene	50	0.0200	DU
124-48-1	Dibromochloromethane	50	0.0500	DU
74-95-3	Dibromomethane	50	0.0500	DU
75-71-8	Dichlorodifluoromethane	50	0.100	DU
60-29-7	Diethyl Ether	50	0.0500	DU
108-20-3	Di-isopropyl ether	50	0.0500	DU
637-92-3	Ethyl tertiary-butyl ether	50	0.0500	DU
100-41-4	Ethylbenzene	50	0.0500	DU
87-68-3	Hexachlorobutadiene	50	0.0300	DU
67-72-1	Hexachloroethane	50	0.0500	DU
98-82-8	Isopropylbenzene	50	0.0500	DU
1634-04-4	Methyl tert-Butyl Ether	50	0.0500	DU
75-09-2	Methylene Chloride	50	0.200	DU
91-20-3	Naphthalene	50	0.0500	DU
104-51-8	n-Butylbenzene	50	0.0500	DU
103-65-1	n-Propylbenzene	50	0.0500	DU
135-98-8	sec-Butylbenzene	50	0.0500	DU
100-42-5	Styrene	50	0.0500	DU
98-06-6	tert-Butylbenzene	50	0.0500	DU
994-05-8	Tertiary-amyl methyl ether	50	0.0500	DU
127-18-4	Tetrachloroethene	50	3.61	D
109-99-9	Tetrahydrofuran	50	0.250	DU
108-88-3	Toluene	50	0.0500	DU
156-60-5	trans-1,2-Dichloroethene	50	0.0500	DU
10061-02-6	trans-1,3-Dichloropropene	50	0.0200	DU
79-01-6	Trichloroethene	50	0.578	D
75-69-4	Trichlorofluoromethane	50	0.0500	DU
108-05-4	Vinyl Acetate	50	0.250	DU
75-01-4	Vinyl Chloride	50	0.0500	DU
95-47-6	Xylene O	50	0.0500	DU
1330-20-7	Xylene P,M	50	0.100	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.4	114	70 - 130	
4-Bromofluorobenzene	25.00	23.1	92	70 - 130	
Dibromofluoromethane	25.00	26.5	106	70 - 130	
Toluene-d8	25.00	23.5	94	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-07RE1	File ID:	M1048304.D
Sampled:	04/01/08 14:42	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 17:27
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2840065	10.22	3292493	10.21	
Chlorobenzene-d5	2156418	14.4	2376613	14.39	
1,4-Dichlorobenzene-D4	958933	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01 Dup

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-08 | File ID: M1048324.D

Sampled: 04/01/08 12:20 | Prepared: 04/09/08 07:00 | Analyzed: 04/09/08 12:37

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	50	0.106	D
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0432	
75-35-4	1,1-Dichloroethene	1	0.0096	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01 Dup

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-08 | File ID: M1048324.D

Sampled: 04/01/08 12:20 | Prepared: 04/09/08 07:00 | Analyzed: 04/09/08 12:37

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0162	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	50	3.52	D
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	50	0.542	D
75-69-4	Trichlorofluoromethane	1	0.0037	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.1	112	70 - 130	
4-Bromofluorobenzene	25.00	24.1	96	70 - 130	
Dibromofluoromethane	25.00	25.8	103	70 - 130	
Toluene-d8	25.00	24.4	98	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01 Dup

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-08	File ID:	M1048324.D
Sampled:	04/01/08 12:20	Prepared:	04/09/08 07:00	Analyzed:	04/09/08 12:37
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3183186	10.22	3429944	10.22	
Chlorobenzene-d5	2304911	14.39	2419813	14.39	
1,4-Dichlorobenzene-D4	1082064	17.07	1056695	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01 Dup

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-08RE1	File ID:	M1048321.D
Sampled:	04/01/08 12:20	Prepared:	04/09/08 07:00	Analyzed:	04/09/08 12:37
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	50	0.0500	DU
71-55-6	1,1,1-Trichloroethane	50	0.106	D
79-34-5	1,1,2,2-Tetrachloroethane	50	0.0250	DU
79-00-5	1,1,2-Trichloroethane	50	0.0500	DU
75-34-3	1,1-Dichloroethane	50	0.0500	DU
75-35-4	1,1-Dichloroethene	50	0.0500	DU
563-58-6	1,1-Dichloropropene	50	0.100	DU
87-61-6	1,2,3-Trichlorobenzene	50	0.0500	DU
96-18-4	1,2,3-Trichloropropane	50	0.0500	DU
120-82-1	1,2,4-Trichlorobenzene	50	0.0500	DU
95-63-6	1,2,4-Trimethylbenzene	50	0.0500	DU
96-12-8	1,2-Dibromo-3-Chloropropane	50	0.250	DU
106-93-4	1,2-Dibromoethane	50	0.0500	DU
95-50-1	1,2-Dichlorobenzene	50	0.0500	DU
107-06-2	1,2-Dichloroethane	50	0.0500	DU
78-87-5	1,2-Dichloropropane	50	0.0500	DU
108-67-8	1,3,5-Trimethylbenzene	50	0.0500	DU
541-73-1	1,3-Dichlorobenzene	50	0.0500	DU
142-28-9	1,3-Dichloropropane	50	0.0500	DU
106-46-7	1,4-Dichlorobenzene	50	0.0500	DU
123-91-1	1,4-Dioxane - Screen	50	25.0	DU
544-10-5	1-Chlorohexane	50	0.0500	DU
594-20-7	2,2-Dichloropropane	50	0.0500	DU
78-93-3	2-Butanone	50	1.25	DU
95-49-8	2-Chlorotoluene	50	0.0500	DU
591-78-6	2-Hexanone	50	0.500	DU
106-43-4	4-Chlorotoluene	50	0.0500	DU
99-87-6	4-Isopropyltoluene	50	0.0500	DU
108-10-1	4-Methyl-2-Pentanone	50	1.25	DU
67-64-1	Acetone	50	1.25	DU
71-43-2	Benzene	50	0.0500	DU
108-86-1	Bromobenzene	50	0.100	DU
74-97-5	Bromochloromethane	50	0.0500	DU
75-27-4	Bromodichloromethane	50	0.0300	DU
75-25-2	Bromoform	50	0.0500	DU
74-83-9	Bromomethane	50	0.100	DU
75-15-0	Carbon Disulfide	50	0.0500	DU
56-23-5	Carbon Tetrachloride	50	0.0500	DU
108-90-7	Chlorobenzene	50	0.0500	DU
75-00-3	Chloroethane	50	0.100	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01 Dup

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-08RE1 | File ID: M1048321.D

Sampled: 04/01/08 12:20 | Prepared: 04/09/08 07:00 | Analyzed: 04/09/08 12:37

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80909 | Sequence: BRD0085 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	50	0.0500	DU
74-87-3	Chloromethane	50	0.100	DU
156-59-2	cis-1,2-Dichloroethene	50	0.0500	DU
10061-01-5	cis-1,3-Dichloropropene	50	0.0200	DU
124-48-1	Dibromochloromethane	50	0.0500	DU
74-95-3	Dibromomethane	50	0.0500	DU
75-71-8	Dichlorodifluoromethane	50	0.100	DU
60-29-7	Diethyl Ether	50	0.0500	DU
108-20-3	Di-isopropyl ether	50	0.0500	DU
637-92-3	Ethyl tertiary-butyl ether	50	0.0500	DU
100-41-4	Ethylbenzene	50	0.0500	DU
87-68-3	Hexachlorobutadiene	50	0.0300	DU
67-72-1	Hexachloroethane	50	0.0500	DU
98-82-8	Isopropylbenzene	50	0.0500	DU
1634-04-4	Methyl tert-Butyl Ether	50	0.0500	DU
75-09-2	Methylene Chloride	50	0.200	DU
91-20-3	Naphthalene	50	0.0500	DU
104-51-8	n-Butylbenzene	50	0.0500	DU
103-65-1	n-Propylbenzene	50	0.0500	DU
135-98-8	sec-Butylbenzene	50	0.0500	DU
100-42-5	Styrene	50	0.0500	DU
98-06-6	tert-Butylbenzene	50	0.0500	DU
994-05-8	Tertiary-amyl methyl ether	50	0.0500	DU
127-18-4	Tetrachloroethene	50	3.52	D
109-99-9	Tetrahydrofuran	50	0.250	DU
108-88-3	Toluene	50	0.0500	DU
156-60-5	trans-1,2-Dichloroethene	50	0.0500	DU
10061-02-6	trans-1,3-Dichloropropene	50	0.0200	DU
79-01-6	Trichloroethene	50	0.542	D
75-69-4	Trichlorofluoromethane	50	0.0500	DU
108-05-4	Vinyl Acetate	50	0.250	DU
75-01-4	Vinyl Chloride	50	0.0500	DU
95-47-6	Xylene O	50	0.0500	DU
1330-20-7	Xylene P,M	50	0.100	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.2	109	70 - 130	
4-Bromofluorobenzene	25.00	24.3	97	70 - 130	
Dibromofluoromethane	25.00	25.2	101	70 - 130	
Toluene-d8	25.00	23.8	95	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 228S01 Dup

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-08RE1	File ID:	M1048321.D
Sampled:	04/01/08 12:20	Prepared:	04/09/08 07:00	Analyzed:	04/09/08 12:37
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3232495	10.22	3429944	10.22	
Chlorobenzene-d5	2365689	14.4	2419813	14.39	
1,4-Dichlorobenzene-D4	1076149	17.08	1056695	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230D01

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0804037-09 File ID: M1048307.D

Sampled: 04/01/08 14:42 Prepared: 04/08/08 07:00 Analyzed: 04/08/08 15:59

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80807 Sequence: BRD0073 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0682	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0106	
75-35-4	1,1-Dichloroethene	1	0.0124	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-09 | File ID: M1048307.D

Sampled: 04/01/08 14:42 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 15:59

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0019	
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0122	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0026	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0015	
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	20	0.521	D
75-69-4	Trichlorofluoromethane	1	0.0097	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	26.7	107	70 - 130	
4-Bromofluorobenzene	25.00	24.9	100	70 - 130	
Dibromofluoromethane	25.00	25.7	103	70 - 130	
Toluene-d8	25.00	24.1	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-09	File ID:	M1048307.D
Sampled:	04/01/08 14:42	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 15:59
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3086659	10.22	3292493	10.21	
Chlorobenzene-d5	2233734	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	1019755	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-09RE1	File ID:	M1048301.D
Sampled:	04/01/08 14:42	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 15:59
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	20	0.0200	DU
71-55-6	1,1,1-Trichloroethane	20	0.0618	D
79-34-5	1,1,2,2-Tetrachloroethane	20	0.0100	DU
79-00-5	1,1,2-Trichloroethane	20	0.0200	DU
75-34-3	1,1-Dichloroethane	20	0.0200	DU
75-35-4	1,1-Dichloroethene	20	0.0200	DU
563-58-6	1,1-Dichloropropene	20	0.0400	DU
87-61-6	1,2,3-Trichlorobenzene	20	0.0200	DU
96-18-4	1,2,3-Trichloropropane	20	0.0200	DU
120-82-1	1,2,4-Trichlorobenzene	20	0.0200	DU
95-63-6	1,2,4-Trimethylbenzene	20	0.0200	DU
96-12-8	1,2-Dibromo-3-Chloropropane	20	0.100	DU
106-93-4	1,2-Dibromoethane	20	0.0200	DU
95-50-1	1,2-Dichlorobenzene	20	0.0200	DU
107-06-2	1,2-Dichloroethane	20	0.0200	DU
78-87-5	1,2-Dichloropropane	20	0.0200	DU
108-67-8	1,3,5-Trimethylbenzene	20	0.0200	DU
541-73-1	1,3-Dichlorobenzene	20	0.0200	DU
142-28-9	1,3-Dichloropropane	20	0.0200	DU
106-46-7	1,4-Dichlorobenzene	20	0.0200	DU
123-91-1	1,4-Dioxane - Screen	20	10.0	DU
544-10-5	1-Chlorohexane	20	0.0200	DU
594-20-7	2,2-Dichloropropane	20	0.0200	DU
78-93-3	2-Butanone	20	0.500	DU
95-49-8	2-Chlorotoluene	20	0.0200	DU
591-78-6	2-Hexanone	20	0.200	DU
106-43-4	4-Chlorotoluene	20	0.0200	DU
99-87-6	4-Isopropyltoluene	20	0.0200	DU
108-10-1	4-Methyl-2-Pentanone	20	0.500	DU
67-64-1	Acetone	20	0.500	DU
71-43-2	Benzene	20	0.0200	DU
108-86-1	Bromobenzene	20	0.0400	DU
74-97-5	Bromochloromethane	20	0.0200	DU
75-27-4	Bromodichloromethane	20	0.0120	DU
75-25-2	Bromoform	20	0.0200	DU
74-83-9	Bromomethane	20	0.0400	DU
75-15-0	Carbon Disulfide	20	0.0200	DU
56-23-5	Carbon Tetrachloride	20	0.0200	DU
108-90-7	Chlorobenzene	20	0.0200	DU
75-00-3	Chloroethane	20	0.0400	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-09RE1 | File ID: M1048301.D

Sampled: 04/01/08 14:42 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 15:59

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	20	0.0200	DU
74-87-3	Chloromethane	20	0.0400	DU
156-59-2	cis-1,2-Dichloroethene	20	0.0200	DU
10061-01-5	cis-1,3-Dichloropropene	20	0.0080	DU
124-48-1	Dibromochloromethane	20	0.0200	DU
74-95-3	Dibromomethane	20	0.0200	DU
75-71-8	Dichlorodifluoromethane	20	0.0400	DU
60-29-7	Diethyl Ether	20	0.0200	DU
108-20-3	Di-isopropyl ether	20	0.0200	DU
637-92-3	Ethyl tertiary-butyl ether	20	0.0200	DU
100-41-4	Ethylbenzene	20	0.0200	DU
87-68-3	Hexachlorobutadiene	20	0.0120	DU
67-72-1	Hexachloroethane	20	0.0200	DU
98-82-8	Isopropylbenzene	20	0.0200	DU
1634-04-4	Methyl tert-Butyl Ether	20	0.0200	DU
75-09-2	Methylene Chloride	20	0.0800	DU
91-20-3	Naphthalene	20	0.0200	DU
104-51-8	n-Butylbenzene	20	0.0200	DU
103-65-1	n-Propylbenzene	20	0.0200	DU
135-98-8	sec-Butylbenzene	20	0.0200	DU
100-42-5	Styrene	20	0.0200	DU
98-06-6	tert-Butylbenzene	20	0.0200	DU
994-05-8	Tertiary-amyl methyl ether	20	0.0200	DU
127-18-4	Tetrachloroethene	20	0.0200	DU
109-99-9	Tetrahydrofuran	20	0.100	DU
108-88-3	Toluene	20	0.0200	DU
156-60-5	trans-1,2-Dichloroethene	20	0.0200	DU
10061-02-6	trans-1,3-Dichloropropene	20	0.0080	DU
79-01-6	Trichloroethene	20	0.521	D
75-69-4	Trichlorofluoromethane	20	0.0200	DU
108-05-4	Vinyl Acetate	20	0.100	DU
75-01-4	Vinyl Chloride	20	0.0200	DU
95-47-6	Xylene O	20	0.0200	DU
1330-20-7	Xylene P,M	20	0.0400	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.8	111	70 - 130	
4-Bromofluorobenzene	25.00	23.7	95	70 - 130	
Dibromofluoromethane	25.00	26.4	106	70 - 130	
Toluene-d8	25.00	23.9	95	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-09RE1	File ID:	M1048301.D
Sampled:	04/01/08 14:42	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 15:59
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2877893	10.21	3292493	10.21	
Chlorobenzene-d5	2109391	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	945203	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-10 | File ID: M1048274.D

Sampled: 04/01/08 16:05 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 17:14

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	10	0.536	D
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0400	
75-35-4	1,1-Dichloroethene	1	0.0086	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-10 | File ID: M1048274.D

Sampled: 04/01/08 16:05 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 17:14

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0141	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0021	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	10	0.182	D
75-69-4	Trichlorofluoromethane	1	0.0042	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.2	113	70 - 130	
4-Bromofluorobenzene	25.00	24.2	97	70 - 130	
Dibromofluoromethane	25.00	26.4	106	70 - 130	
Toluene-d8	25.00	24.0	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-10	File ID:	M1048274.D
Sampled:	04/01/08 16:05	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 17:14
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3273232	10.21	3449327	10.21	
Chlorobenzene-d5	2568016	14.39	2561062	14.39	
1,4-Dichlorobenzene-D4	1165081	17.06	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-10RE1	File ID:	M1048297.D
Sampled:	04/01/08 16:05	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 14:04
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	10	0.0100	DU
71-55-6	1,1,1-Trichloroethane	10	0.536	D
79-34-5	1,1,2,2-Tetrachloroethane	10	0.0050	DU
79-00-5	1,1,2-Trichloroethane	10	0.0100	DU
75-34-3	1,1-Dichloroethane	10	0.0438	D
75-35-4	1,1-Dichloroethene	10	0.0100	DU
563-58-6	1,1-Dichloropropene	10	0.0200	DU
87-61-6	1,2,3-Trichlorobenzene	10	0.0100	DU
96-18-4	1,2,3-Trichloropropane	10	0.0100	DU
120-82-1	1,2,4-Trichlorobenzene	10	0.0100	DU
95-63-6	1,2,4-Trimethylbenzene	10	0.0100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	10	0.0500	DU
106-93-4	1,2-Dibromoethane	10	0.0100	DU
95-50-1	1,2-Dichlorobenzene	10	0.0100	DU
107-06-2	1,2-Dichloroethane	10	0.0100	DU
78-87-5	1,2-Dichloropropane	10	0.0100	DU
108-67-8	1,3,5-Trimethylbenzene	10	0.0100	DU
541-73-1	1,3-Dichlorobenzene	10	0.0100	DU
142-28-9	1,3-Dichloropropane	10	0.0100	DU
106-46-7	1,4-Dichlorobenzene	10	0.0100	DU
123-91-1	1,4-Dioxane - Screen	10	5.00	DU
544-10-5	1-Chlorohexane	10	0.0100	DU
594-20-7	2,2-Dichloropropane	10	0.0100	DU
78-93-3	2-Butanone	10	0.250	DU
95-49-8	2-Chlorotoluene	10	0.0100	DU
591-78-6	2-Hexanone	10	0.100	DU
106-43-4	4-Chlorotoluene	10	0.0100	DU
99-87-6	4-Isopropyltoluene	10	0.0100	DU
108-10-1	4-Methyl-2-Pentanone	10	0.250	DU
67-64-1	Acetone	10	0.250	DU
71-43-2	Benzene	10	0.0100	DU
108-86-1	Bromobenzene	10	0.0200	DU
74-97-5	Bromochloromethane	10	0.0100	DU
75-27-4	Bromodichloromethane	10	0.0060	DU
75-25-2	Bromoform	10	0.0100	DU
74-83-9	Bromomethane	10	0.0200	DU
75-15-0	Carbon Disulfide	10	0.0100	DU
56-23-5	Carbon Tetrachloride	10	0.0100	DU
108-90-7	Chlorobenzene	10	0.0100	DU
75-00-3	Chloroethane	10	0.0200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-10RE1 | File ID: M1048297.D

Sampled: 04/01/08 16:05 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 14:04

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	10	0.0100	DU
74-87-3	Chloromethane	10	0.0200	DU
156-59-2	cis-1,2-Dichloroethene	10	0.0154	D
10061-01-5	cis-1,3-Dichloropropene	10	0.0040	DU
124-48-1	Dibromochloromethane	10	0.0100	DU
74-95-3	Dibromomethane	10	0.0100	DU
75-71-8	Dichlorodifluoromethane	10	0.0200	DU
60-29-7	Diethyl Ether	10	0.0100	DU
108-20-3	Di-isopropyl ether	10	0.0100	DU
637-92-3	Ethyl tertiary-butyl ether	10	0.0100	DU
100-41-4	Ethylbenzene	10	0.0100	DU
87-68-3	Hexachlorobutadiene	10	0.0060	DU
67-72-1	Hexachloroethane	10	0.0100	DU
98-82-8	Isopropylbenzene	10	0.0100	DU
1634-04-4	Methyl tert-Butyl Ether	10	0.0100	DU
75-09-2	Methylene Chloride	10	0.0400	DU
91-20-3	Naphthalene	10	0.0100	DU
104-51-8	n-Butylbenzene	10	0.0100	DU
103-65-1	n-Propylbenzene	10	0.0100	DU
135-98-8	sec-Butylbenzene	10	0.0100	DU
100-42-5	Styrene	10	0.0100	DU
98-06-6	tert-Butylbenzene	10	0.0100	DU
994-05-8	Tertiary-amyl methyl ether	10	0.0100	DU
127-18-4	Tetrachloroethene	10	0.0100	DU
109-99-9	Tetrahydrofuran	10	0.0500	DU
108-88-3	Toluene	10	0.0100	DU
156-60-5	trans-1,2-Dichloroethene	10	0.0100	DU
10061-02-6	trans-1,3-Dichloropropene	10	0.0040	DU
79-01-6	Trichloroethene	10	0.182	D
75-69-4	Trichlorofluoromethane	10	0.0100	DU
108-05-4	Vinyl Acetate	10	0.0500	DU
75-01-4	Vinyl Chloride	10	0.0100	DU
95-47-6	Xylene O	10	0.0100	DU
1330-20-7	Xylene P,M	10	0.0200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.5	114	70 - 130	
4-Bromofluorobenzene	25.00	23.8	95	70 - 130	
Dibromofluoromethane	25.00	26.8	107	70 - 130	
Toluene-d8	25.00	23.9	95	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 230S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-10RE1	File ID:	M1048297.D
Sampled:	04/01/08 16:05	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 14:04
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2940993	10.22	3292493	10.21	
Chlorobenzene-d5	2215335	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	993014	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-11	File ID:	M1048275.D
Sampled:	04/02/08 09:50	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 17:42
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	10	0.348	D
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0632	
75-35-4	1,1-Dichloroethene	1	0.0099	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-11 | File ID: M1048275.D

Sampled: 04/02/08 09:50 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 17:42

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0140	
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0012	
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	10	0.418	D
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	10	0.324	D
75-69-4	Trichlorofluoromethane	1	0.0047	
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.8	111	70 - 130	
4-Bromofluorobenzene	25.00	24.0	96	70 - 130	
Dibromofluoromethane	25.00	26.5	106	70 - 130	
Toluene-d8	25.00	23.9	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-11	File ID:	M1048275.D
Sampled:	04/02/08 09:50	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 17:42
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3435292	10.21	3449327	10.21	
Chlorobenzene-d5	2646498	14.38	2561062	14.39	
1,4-Dichlorobenzene-D4	1213731	17.07	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-11RE1	File ID:	M1048298.D
Sampled:	04/02/08 09:50	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 14:34
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
				Instrument:	VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	10	0.0100	DU
71-55-6	1,1,1-Trichloroethane	10	0.348	D
79-34-5	1,1,2,2-Tetrachloroethane	10	0.0050	DU
79-00-5	1,1,2-Trichloroethane	10	0.0100	DU
75-34-3	1,1-Dichloroethane	10	0.0656	D
75-35-4	1,1-Dichloroethene	10	0.0100	DU
563-58-6	1,1-Dichloropropene	10	0.0200	DU
87-61-6	1,2,3-Trichlorobenzene	10	0.0100	DU
96-18-4	1,2,3-Trichloropropane	10	0.0100	DU
120-82-1	1,2,4-Trichlorobenzene	10	0.0100	DU
95-63-6	1,2,4-Trimethylbenzene	10	0.0100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	10	0.0500	DU
106-93-4	1,2-Dibromoethane	10	0.0100	DU
95-50-1	1,2-Dichlorobenzene	10	0.0100	DU
107-06-2	1,2-Dichloroethane	10	0.0100	DU
78-87-5	1,2-Dichloropropane	10	0.0100	DU
108-67-8	1,3,5-Trimethylbenzene	10	0.0100	DU
541-73-1	1,3-Dichlorobenzene	10	0.0100	DU
142-28-9	1,3-Dichloropropane	10	0.0100	DU
106-46-7	1,4-Dichlorobenzene	10	0.0100	DU
123-91-1	1,4-Dioxane - Screen	10	5.00	DU
544-10-5	1-Chlorohexane	10	0.0100	DU
594-20-7	2,2-Dichloropropane	10	0.0100	DU
78-93-3	2-Butanone	10	0.250	DU
95-49-8	2-Chlorotoluene	10	0.0100	DU
591-78-6	2-Hexanone	10	0.100	DU
106-43-4	4-Chlorotoluene	10	0.0100	DU
99-87-6	4-Isopropyltoluene	10	0.0100	DU
108-10-1	4-Methyl-2-Pentanone	10	0.250	DU
67-64-1	Acetone	10	0.250	DU
71-43-2	Benzene	10	0.0100	DU
108-86-1	Bromobenzene	10	0.0200	DU
74-97-5	Bromochloromethane	10	0.0100	DU
75-27-4	Bromodichloromethane	10	0.0060	DU
75-25-2	Bromoform	10	0.0100	DU
74-83-9	Bromomethane	10	0.0200	DU
75-15-0	Carbon Disulfide	10	0.0100	DU
56-23-5	Carbon Tetrachloride	10	0.0100	DU
108-90-7	Chlorobenzene	10	0.0100	DU
75-00-3	Chloroethane	10	0.0200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-11RE1 | File ID: M1048298.D

Sampled: 04/02/08 09:50 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 14:34

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	10	0.0100	DU
74-87-3	Chloromethane	10	0.0200	DU
156-59-2	cis-1,2-Dichloroethene	10	0.0130	D
10061-01-5	cis-1,3-Dichloropropene	10	0.0040	DU
124-48-1	Dibromochloromethane	10	0.0100	DU
74-95-3	Dibromomethane	10	0.0100	DU
75-71-8	Dichlorodifluoromethane	10	0.0200	DU
60-29-7	Diethyl Ether	10	0.0100	DU
108-20-3	Di-isopropyl ether	10	0.0100	DU
637-92-3	Ethyl tertiary-butyl ether	10	0.0100	DU
100-41-4	Ethylbenzene	10	0.0100	DU
87-68-3	Hexachlorobutadiene	10	0.0060	DU
67-72-1	Hexachloroethane	10	0.0100	DU
98-82-8	Isopropylbenzene	10	0.0100	DU
1634-04-4	Methyl tert-Butyl Ether	10	0.0100	DU
75-09-2	Methylene Chloride	10	0.0400	DU
91-20-3	Naphthalene	10	0.0100	DU
104-51-8	n-Butylbenzene	10	0.0100	DU
103-65-1	n-Propylbenzene	10	0.0100	DU
135-98-8	sec-Butylbenzene	10	0.0100	DU
100-42-5	Styrene	10	0.0100	DU
98-06-6	tert-Butylbenzene	10	0.0100	DU
994-05-8	Tertiary-amyl methyl ether	10	0.0100	DU
127-18-4	Tetrachloroethene	10	0.418	D
109-99-9	Tetrahydrofuran	10	0.0500	DU
108-88-3	Toluene	10	0.0100	DU
156-60-5	trans-1,2-Dichloroethene	10	0.0100	DU
10061-02-6	trans-1,3-Dichloropropene	10	0.0040	DU
79-01-6	Trichloroethene	10	0.324	D
75-69-4	Trichlorofluoromethane	10	0.0100	DU
108-05-4	Vinyl Acetate	10	0.0500	DU
75-01-4	Vinyl Chloride	10	0.0100	DU
95-47-6	Xylene O	10	0.0100	DU
1330-20-7	Xylene P,M	10	0.0200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.2	109	70 - 130	
4-Bromofluorobenzene	25.00	23.3	93	70 - 130	
Dibromofluoromethane	25.00	26.1	104	70 - 130	
Toluene-d8	25.00	24.0	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-11RE1	File ID:	M1048298.D
Sampled:	04/02/08 09:50	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 14:34
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2857814	10.22	3292493	10.21	
Chlorobenzene-d5	2154705	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	954716	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 229S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-12	File ID:	M1048276.D
Sampled:	04/02/08 10:50	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 18:09
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0010	U
75-35-4	1,1-Dichloroethene	1	0.0010	U
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 229S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-12 | File ID: M1048276.D

Sampled: 04/02/08 10:50 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 18:09

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	10	0.0744	D
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0010	U
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.0	112	70 - 130	
4-Bromofluorobenzene	25.00	24.5	98	70 - 130	
Dibromofluoromethane	25.00	25.8	103	70 - 130	
Toluene-d8	25.00	24.2	97	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 229S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-12	File ID:	M1048276.D
Sampled:	04/02/08 10:50	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 18:09
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3285252	10.21	3449327	10.21	
Chlorobenzene-d5	2494707	14.38	2561062	14.39	
1,4-Dichlorobenzene-D4	1161640	17.06	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 229S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-12RE1	File ID:	M1048299.D
Sampled:	04/02/08 10:50	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 15:03
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	10	0.0100	DU
71-55-6	1,1,1-Trichloroethane	10	0.0100	DU
79-34-5	1,1,2,2-Tetrachloroethane	10	0.0050	DU
79-00-5	1,1,2-Trichloroethane	10	0.0100	DU
75-34-3	1,1-Dichloroethane	10	0.0100	DU
75-35-4	1,1-Dichloroethene	10	0.0100	DU
563-58-6	1,1-Dichloropropene	10	0.0200	DU
87-61-6	1,2,3-Trichlorobenzene	10	0.0100	DU
96-18-4	1,2,3-Trichloropropane	10	0.0100	DU
120-82-1	1,2,4-Trichlorobenzene	10	0.0100	DU
95-63-6	1,2,4-Trimethylbenzene	10	0.0100	DU
96-12-8	1,2-Dibromo-3-Chloropropane	10	0.0500	DU
106-93-4	1,2-Dibromoethane	10	0.0100	DU
95-50-1	1,2-Dichlorobenzene	10	0.0100	DU
107-06-2	1,2-Dichloroethane	10	0.0100	DU
78-87-5	1,2-Dichloropropane	10	0.0100	DU
108-67-8	1,3,5-Trimethylbenzene	10	0.0100	DU
541-73-1	1,3-Dichlorobenzene	10	0.0100	DU
142-28-9	1,3-Dichloropropane	10	0.0100	DU
106-46-7	1,4-Dichlorobenzene	10	0.0100	DU
123-91-1	1,4-Dioxane - Screen	10	5.00	DU
544-10-5	1-Chlorohexane	10	0.0100	DU
594-20-7	2,2-Dichloropropane	10	0.0100	DU
78-93-3	2-Butanone	10	0.250	DU
95-49-8	2-Chlorotoluene	10	0.0100	DU
591-78-6	2-Hexanone	10	0.100	DU
106-43-4	4-Chlorotoluene	10	0.0100	DU
99-87-6	4-Isopropyltoluene	10	0.0100	DU
108-10-1	4-Methyl-2-Pentanone	10	0.250	DU
67-64-1	Acetone	10	0.250	DU
71-43-2	Benzene	10	0.0100	DU
108-86-1	Bromobenzene	10	0.0200	DU
74-97-5	Bromochloromethane	10	0.0100	DU
75-27-4	Bromodichloromethane	10	0.0060	DU
75-25-2	Bromoform	10	0.0100	DU
74-83-9	Bromomethane	10	0.0200	DU
75-15-0	Carbon Disulfide	10	0.0100	DU
56-23-5	Carbon Tetrachloride	10	0.0100	DU
108-90-7	Chlorobenzene	10	0.0100	DU
75-00-3	Chloroethane	10	0.0200	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 229S01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-12RE1 | File ID: M1048299.D

Sampled: 04/02/08 10:50 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 15:03

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	10	0.0100	DU
74-87-3	Chloromethane	10	0.0200	DU
156-59-2	cis-1,2-Dichloroethene	10	0.0100	DU
10061-01-5	cis-1,3-Dichloropropene	10	0.0040	DU
124-48-1	Dibromochloromethane	10	0.0100	DU
74-95-3	Dibromomethane	10	0.0100	DU
75-71-8	Dichlorodifluoromethane	10	0.0200	DU
60-29-7	Diethyl Ether	10	0.0100	DU
108-20-3	Di-isopropyl ether	10	0.0100	DU
637-92-3	Ethyl tertiary-butyl ether	10	0.0100	DU
100-41-4	Ethylbenzene	10	0.0100	DU
87-68-3	Hexachlorobutadiene	10	0.0060	DU
67-72-1	Hexachloroethane	10	0.0100	DU
98-82-8	Isopropylbenzene	10	0.0100	DU
1634-04-4	Methyl tert-Butyl Ether	10	0.0100	DU
75-09-2	Methylene Chloride	10	0.0400	DU
91-20-3	Naphthalene	10	0.0100	DU
104-51-8	n-Butylbenzene	10	0.0100	DU
103-65-1	n-Propylbenzene	10	0.0100	DU
135-98-8	sec-Butylbenzene	10	0.0100	DU
100-42-5	Styrene	10	0.0100	DU
98-06-6	tert-Butylbenzene	10	0.0100	DU
994-05-8	Tertiary-amyl methyl ether	10	0.0100	DU
127-18-4	Tetrachloroethene	10	0.0744	D
109-99-9	Tetrahydrofuran	10	0.0500	DU
108-88-3	Toluene	10	0.0100	DU
156-60-5	trans-1,2-Dichloroethene	10	0.0100	DU
10061-02-6	trans-1,3-Dichloropropene	10	0.0040	DU
79-01-6	Trichloroethene	10	0.0100	DU
75-69-4	Trichlorofluoromethane	10	0.0100	DU
108-05-4	Vinyl Acetate	10	0.0500	DU
75-01-4	Vinyl Chloride	10	0.0100	DU
95-47-6	Xylene O	10	0.0100	DU
1330-20-7	Xylene P,M	10	0.0200	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.1	112	70 - 130	
4-Bromofluorobenzene	25.00	23.3	93	70 - 130	
Dibromofluoromethane	25.00	26.1	104	70 - 130	
Toluene-d8	25.00	23.8	95	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 229S01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-12RE1	File ID:	M1048299.D
Sampled:	04/02/08 10:50	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 15:03
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3007251	10.22	3292493	10.21	
Chlorobenzene-d5	2222758	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	1010201	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-13	File ID:	M1048277.D
Sampled:	04/02/08 08:50	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 18:37
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0045	
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0022	
75-34-3	1,1-Dichloroethane	1	0.0069	
75-35-4	1,1-Dichloroethene	1	0.0798	
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-13 | File ID: M1048277.D

Sampled: 04/02/08 08:50 | Prepared: 04/07/08 07:00 | Analyzed: 04/07/08 18:37

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80709 | Sequence: BRD0064 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0010	U
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	50	0.162	D
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0012	
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0107	
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0246	
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	50	4.87	D
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0030	
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.3	109	70 - 130	
4-Bromofluorobenzene	25.00	24.0	96	70 - 130	
Dibromofluoromethane	25.00	25.8	103	70 - 130	
Toluene-d8	25.00	23.7	95	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-13	File ID:	M1048277.D
Sampled:	04/02/08 08:50	Prepared:	04/07/08 07:00	Analyzed:	04/07/08 18:37
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3382560	10.21	3449327	10.21	
Chlorobenzene-d5	2571602	14.38	2561062	14.39	
1,4-Dichlorobenzene-D4	1155234	17.06	1163116	17.07	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-13RE1	File ID:	M1048303.D
Sampled:	04/02/08 08:50	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 16:58
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	50	0.0500	DU
71-55-6	1,1,1-Trichloroethane	50	0.0500	DU
79-34-5	1,1,2,2-Tetrachloroethane	50	0.0250	DU
79-00-5	1,1,2-Trichloroethane	50	0.0500	DU
75-34-3	1,1-Dichloroethane	50	0.0500	DU
75-35-4	1,1-Dichloroethene	50	0.0660	D
563-58-6	1,1-Dichloropropene	50	0.100	DU
87-61-6	1,2,3-Trichlorobenzene	50	0.0500	DU
96-18-4	1,2,3-Trichloropropane	50	0.0500	DU
120-82-1	1,2,4-Trichlorobenzene	50	0.0500	DU
95-63-6	1,2,4-Trimethylbenzene	50	0.0500	DU
96-12-8	1,2-Dibromo-3-Chloropropane	50	0.250	DU
106-93-4	1,2-Dibromoethane	50	0.0500	DU
95-50-1	1,2-Dichlorobenzene	50	0.0500	DU
107-06-2	1,2-Dichloroethane	50	0.0500	DU
78-87-5	1,2-Dichloropropane	50	0.0500	DU
108-67-8	1,3,5-Trimethylbenzene	50	0.0500	DU
541-73-1	1,3-Dichlorobenzene	50	0.0500	DU
142-28-9	1,3-Dichloropropane	50	0.0500	DU
106-46-7	1,4-Dichlorobenzene	50	0.0500	DU
123-91-1	1,4-Dioxane - Screen	50	25.0	DU
544-10-5	1-Chlorohexane	50	0.0500	DU
594-20-7	2,2-Dichloropropane	50	0.0500	DU
78-93-3	2-Butanone	50	1.25	DU
95-49-8	2-Chlorotoluene	50	0.0500	DU
591-78-6	2-Hexanone	50	0.500	DU
106-43-4	4-Chlorotoluene	50	0.0500	DU
99-87-6	4-Isopropyltoluene	50	0.0500	DU
108-10-1	4-Methyl-2-Pentanone	50	1.25	DU
67-64-1	Acetone	50	1.25	DU
71-43-2	Benzene	50	0.0500	DU
108-86-1	Bromobenzene	50	0.100	DU
74-97-5	Bromochloromethane	50	0.0500	DU
75-27-4	Bromodichloromethane	50	0.0300	DU
75-25-2	Bromoform	50	0.0500	DU
74-83-9	Bromomethane	50	0.100	DU
75-15-0	Carbon Disulfide	50	0.0500	DU
56-23-5	Carbon Tetrachloride	50	0.0500	DU
108-90-7	Chlorobenzene	50	0.0500	DU
75-00-3	Chloroethane	50	0.100	DU

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226D01

Laboratory: ESS Laboratory | SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. | Project: Providence Gorham Site

Matrix: Ground Water | Laboratory ID: 0804037-13RE1 | File ID: M1048303.D

Sampled: 04/02/08 08:50 | Prepared: 04/08/08 07:00 | Analyzed: 04/08/08 16:58

Solids: | Preparation: 5030B | Initial/Final: 10 ml / 10 ml

Batch: BD80807 | Sequence: BRD0073 | Calibration: 0804001 | Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	50	0.0500	DU
74-87-3	Chloromethane	50	0.100	DU
156-59-2	cis-1,2-Dichloroethene	50	0.162	D
10061-01-5	cis-1,3-Dichloropropene	50	0.0200	DU
124-48-1	Dibromochloromethane	50	0.0500	DU
74-95-3	Dibromomethane	50	0.0500	DU
75-71-8	Dichlorodifluoromethane	50	0.100	DU
60-29-7	Diethyl Ether	50	0.0500	DU
108-20-3	Di-isopropyl ether	50	0.0500	DU
637-92-3	Ethyl tertiary-butyl ether	50	0.0500	DU
100-41-4	Ethylbenzene	50	0.0500	DU
87-68-3	Hexachlorobutadiene	50	0.0300	DU
67-72-1	Hexachloroethane	50	0.0500	DU
98-82-8	Isopropylbenzene	50	0.0500	DU
1634-04-4	Methyl tert-Butyl Ether	50	0.0500	DU
75-09-2	Methylene Chloride	50	0.200	DU
91-20-3	Naphthalene	50	0.0500	DU
104-51-8	n-Butylbenzene	50	0.0500	DU
103-65-1	n-Propylbenzene	50	0.0500	DU
135-98-8	sec-Butylbenzene	50	0.0500	DU
100-42-5	Styrene	50	0.0500	DU
98-06-6	tert-Butylbenzene	50	0.0500	DU
994-05-8	Tertiary-amyl methyl ether	50	0.0500	DU
127-18-4	Tetrachloroethene	50	0.0500	DU
109-99-9	Tetrahydrofuran	50	0.250	DU
108-88-3	Toluene	50	0.0500	DU
156-60-5	trans-1,2-Dichloroethene	50	0.0500	DU
10061-02-6	trans-1,3-Dichloropropene	50	0.0200	DU
79-01-6	Trichloroethene	50	4.87	D
75-69-4	Trichlorofluoromethane	50	0.0500	DU
108-05-4	Vinyl Acetate	50	0.250	DU
75-01-4	Vinyl Chloride	50	0.0500	DU
95-47-6	Xylene O	50	0.0500	DU
1330-20-7	Xylene P,M	50	0.100	DU

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.2	113	70 - 130	
4-Bromofluorobenzene	25.00	23.9	96	70 - 130	
Dibromofluoromethane	25.00	25.6	102	70 - 130	
Toluene-d8	25.00	24.0	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

MW 226D01

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-13RE1	File ID:	M1048303.D
Sampled:	04/02/08 08:50	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 16:58
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2869503	10.22	3292493	10.21	
Chlorobenzene-d5	2100432	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	952831	17.07	1058187	17.06	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

8260B

Equipment Blank

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-14	File ID:	M1048300.D
Sampled:	04/01/08 17:05	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 15:30
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.0010	U
71-55-6	1,1,1-Trichloroethane	1	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.0005	U
79-00-5	1,1,2-Trichloroethane	1	0.0010	U
75-34-3	1,1-Dichloroethane	1	0.0010	U
75-35-4	1,1-Dichloroethene	1	0.0010	U
563-58-6	1,1-Dichloropropene	1	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	1	0.0010	U
96-18-4	1,2,3-Trichloropropane	1	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	1	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	1	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	1	0.0050	U
106-93-4	1,2-Dibromoethane	1	0.0010	U
95-50-1	1,2-Dichlorobenzene	1	0.0010	U
107-06-2	1,2-Dichloroethane	1	0.0010	U
78-87-5	1,2-Dichloropropane	1	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	1	0.0010	U
541-73-1	1,3-Dichlorobenzene	1	0.0010	U
142-28-9	1,3-Dichloropropane	1	0.0010	U
106-46-7	1,4-Dichlorobenzene	1	0.0010	U
123-91-1	1,4-Dioxane - Screen	1	0.500	U
544-10-5	1-Chlorohexane	1	0.0010	U
594-20-7	2,2-Dichloropropane	1	0.0010	U
78-93-3	2-Butanone	1	0.0250	U
95-49-8	2-Chlorotoluene	1	0.0010	U
591-78-6	2-Hexanone	1	0.0100	U
106-43-4	4-Chlorotoluene	1	0.0010	U
99-87-6	4-Isopropyltoluene	1	0.0010	U
108-10-1	4-Methyl-2-Pentanone	1	0.0250	U
67-64-1	Acetone	1	0.0250	U
71-43-2	Benzene	1	0.0010	U
108-86-1	Bromobenzene	1	0.0020	U
74-97-5	Bromochloromethane	1	0.0010	U
75-27-4	Bromodichloromethane	1	0.0006	U
75-25-2	Bromoform	1	0.0010	U
74-83-9	Bromomethane	1	0.0020	U
75-15-0	Carbon Disulfide	1	0.0010	U
56-23-5	Carbon Tetrachloride	1	0.0010	U
108-90-7	Chlorobenzene	1	0.0010	U
75-00-3	Chloroethane	1	0.0020	U

ORGANIC ANALYSIS DATA SHEET

8260B

Equipment Blank

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Matrix: Ground Water Laboratory ID: 0804037-14 File ID: M1048300.D

Sampled: 04/01/08 17:05 Prepared: 04/08/08 07:00 Analyzed: 04/08/08 15:30

Solids: Preparation: 5030B Initial/Final: 10 ml / 10 ml

Batch: BD80807 Sequence: BRD0073 Calibration: 0804001 Instrument: VMS1

CAS NO.	COMPOUND	DILUTION	CONC. (mg/L)	Q
67-66-3	Chloroform	1	0.0014	
74-87-3	Chloromethane	1	0.0020	U
156-59-2	cis-1,2-Dichloroethene	1	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	1	0.0004	U
124-48-1	Dibromochloromethane	1	0.0010	U
74-95-3	Dibromomethane	1	0.0010	U
75-71-8	Dichlorodifluoromethane	1	0.0020	U
60-29-7	Diethyl Ether	1	0.0010	U
108-20-3	Di-isopropyl ether	1	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	1	0.0010	U
100-41-4	Ethylbenzene	1	0.0010	U
87-68-3	Hexachlorobutadiene	1	0.0006	U
67-72-1	Hexachloroethane	1	0.0010	U
98-82-8	Isopropylbenzene	1	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	1	0.0010	U
75-09-2	Methylene Chloride	1	0.0040	U
91-20-3	Naphthalene	1	0.0010	U
104-51-8	n-Butylbenzene	1	0.0010	U
103-65-1	n-Propylbenzene	1	0.0010	U
135-98-8	sec-Butylbenzene	1	0.0010	U
100-42-5	Styrene	1	0.0010	U
98-06-6	tert-Butylbenzene	1	0.0010	U
994-05-8	Tertiary-amyl methyl ether	1	0.0010	U
127-18-4	Tetrachloroethene	1	0.0010	U
109-99-9	Tetrahydrofuran	1	0.0050	U
108-88-3	Toluene	1	0.0010	U
156-60-5	trans-1,2-Dichloroethene	1	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	1	0.0004	U
79-01-6	Trichloroethene	1	0.0010	U
75-69-4	Trichlorofluoromethane	1	0.0010	U
108-05-4	Vinyl Acetate	1	0.0050	U
75-01-4	Vinyl Chloride	1	0.0010	U
95-47-6	Xylene O	1	0.0010	U
1330-20-7	Xylene P,M	1	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	28.5	114	70 - 130	
4-Bromofluorobenzene	25.00	24.4	97	70 - 130	
Dibromofluoromethane	25.00	26.2	105	70 - 130	
Toluene-d8	25.00	24.1	96	70 - 130	

ORGANIC ANALYSIS DATA SHEET

8260B

Equipment Blank

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Ground Water	Laboratory ID:	0804037-14	File ID:	M1048300.D
Sampled:	04/01/08 17:05	Prepared:	04/08/08 07:00	Analyzed:	04/08/08 15:30
Solids:		Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001
Instrument:	VMS1				

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	2879987	10.21	3292493	10.21	
Chlorobenzene-d5	2132739	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	972818	17.07	1058187	17.06	

* Values outside of QC limits

VOA
Quality Control Data

PREPARATION BATCH SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Batch: BD80709 Batch Matrix: Aqueous Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW 227D01	0804037-01	M1048279.D	04/07/08 07:00	Data Package
~~MW 227D01~~	~~0804037-01~~	~~M1048302.D~~	~~04/07/08 07:00~~	~~Data Package~~
~~MW 227S01~~	~~0804037-02~~	~~M1048295.D~~	~~04/07/08 07:00~~	~~Data Package~~
MW 227S01	0804037-02	M1048280.D	04/07/08 07:00	Data Package
MW 220S01	0804037-04RE1	M1048272.D	04/07/08 07:00	Data Package
MW 221S01	0804037-05RE1	M1048273.D	04/07/08 07:00	Data Package
MW 230S01	0804037-10	M1048274.D	04/07/08 07:00	Data Package
~~MW 230S01~~	~~0804037-10~~	~~M1048297.D~~	~~04/07/08 07:00~~	~~Data Package~~
~~MW 226S01~~	~~0804037-11~~	~~M1048298.D~~	~~04/07/08 07:00~~	~~Data Package~~
MW 226S01	0804037-11	M1048275.D	04/07/08 07:00	Data Package
MW 229S01	0804037-12	M1048276.D	04/07/08 07:00	Data Package
~~MW 229S01~~	~~0804037-12~~	~~M1048299.D~~	~~04/07/08 07:00~~	~~Data Package~~
~~MW 226D01~~	~~0804037-13~~	~~M1048303.D~~	~~04/07/08 07:00~~	~~Data Package~~
MW 226D01	0804037-13	M1048277.D	04/07/08 07:00	Data Package
Blank	BD80709-BLK1	M1048262.D	04/07/08 07:00	
LCS	BD80709-BS1	M1048258.D	04/07/08 07:00	
LCS Dup	BD80709-BSD1	M1048259.D	04/07/08 07:00	

PREPARATION BATCH SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Batch: BD80807 Batch Matrix: Aqueous Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW 227D01	0804037-01RE1	M1048302.D	04/08/08 07:00	Data Package
MW 227S01	0804037-02RE1	M1048295.D	04/08/08 07:00	Data Package
MW 227S01 Dup	0804037-03	M1048306.D	04/08/08 07:00	Data Package
~~MW 227S01 Dup~~	~~0804037-03~~	~~M1048296.D~~	~~04/08/08 07:00~~	~~Data Package~~
MW 227S01 Dup	0804037-03RE1	M1048296.D	04/08/08 07:00	Data Package
~~MW 221S01~~	~~0804037-05~~	~~M1048273.D~~	~~04/08/08 07:00~~	~~Data Package~~
MW 221S01	0804037-05	M1048305.D	04/08/08 07:00	Data Package
MW 228S01	0804037-07	M1048308.D	04/08/08 07:00	Data Package MS/MSD
~~MW 228S01~~	~~0804037-07~~	~~M1048304.D~~	~~04/08/08 07:00~~	~~Data Package MS/MSD~~
MW 228S01	0804037-07RE1	M1048304.D	04/08/08 07:00	Data Package MS/MSD
~~MW 230D01~~	~~0804037-09~~	~~M1048301.D~~	~~04/08/08 07:00~~	~~Data Package~~
MW 230D01	0804037-09	M1048307.D	04/08/08 07:00	Data Package
MW 230D01	0804037-09RE1	M1048301.D	04/08/08 07:00	Data Package
MW 230S01	0804037-10RE1	M1048297.D	04/08/08 07:00	Data Package
MW 226S01	0804037-11RE1	M1048298.D	04/08/08 07:00	Data Package
MW 229S01	0804037-12RE1	M1048299.D	04/08/08 07:00	Data Package
MW 226D01	0804037-13RE1	M1048303.D	04/08/08 07:00	Data Package
Equipment Blank	0804037-14	M1048300.D	04/08/08 07:00	Data Package
Blank	BD80807-BLK1	M1048292.D	04/08/08 07:00	
LCS	BD80807-BS1	M1048288.D	04/08/08 07:00	
LCS Dup	BD80807-BSD1	M1048289.D	04/08/08 07:00	
MW 228S01	BD80807-MS1	M1048309.D	04/08/08 07:00	
MW 228S01	BD80807-MSD1	M1048310.D	04/08/08 07:00	

PREPARATION BATCH SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Batch: BD80909 Batch Matrix: Aqueous Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
MW 220S01	0804037-04	M1048322.D	04/09/08 07:00	Data Package
~~MW 220S01~~	~~0804037-04~~	~~M1048272.D~~	~~04/09/08 07:00~~	~~Data Package~~
MW 228D01	0804037-06	M1048323.D	04/09/08 07:00	Data Package
~~MW 228D01~~	~~0804037-06~~	~~M1048320.D~~	~~04/09/08 07:00~~	~~Data Package~~
MW 228D01	0804037-06RE1	M1048320.D	04/09/08 07:00	Data Package
MW 228S01 Dup	0804037-08	M1048324.D	04/09/08 07:00	Data Package
~~MW 228S01 Dup~~	~~0804037-08~~	~~M1048321.D~~	~~04/09/08 07:00~~	~~Data Package~~
MW 228S01 Dup	0804037-08RE1	M1048321.D	04/09/08 07:00	Data Package
Blank	BD80909-BLK1	M1048319.D	04/09/08 07:00	
LCS	BD80909-BS1	M1048315.D	04/09/08 07:00	
LCS Dup	BD80909-BSD1	M1048316.D	04/09/08 07:00	

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80709-BLK1	File ID:	M1048262.D
Prepared:	04/07/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/07/08 11:36	Instrument:	VMS1		
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.0010	U
71-55-6	1,1,1-Trichloroethane	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0005	U
79-00-5	1,1,2-Trichloroethane	0.0010	U
75-34-3	1,1-Dichloroethane	0.0010	U
75-35-4	1,1-Dichloroethene	0.0010	U
563-58-6	1,1-Dichloropropene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0010	U
96-18-4	1,2,3-Trichloropropane	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.0050	U
106-93-4	1,2-Dibromoethane	0.0010	U
95-50-1	1,2-Dichlorobenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0010	U
78-87-5	1,2-Dichloropropane	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0010	U
142-28-9	1,3-Dichloropropane	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0010	U
123-91-1	1,4-Dioxane - Screen	0.500	U
544-10-5	1-Chlorohexane	0.0010	U
594-20-7	2,2-Dichloropropane	0.0010	U
78-93-3	2-Butanone	0.0250	U
95-49-8	2-Chlorotoluene	0.0010	U
591-78-6	2-Hexanone	0.0100	U
106-43-4	4-Chlorotoluene	0.0010	U
99-87-6	4-Isopropyltoluene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0250	U
67-64-1	Acetone	0.0250	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80709-BLK1	File ID:	M1048262.D
Prepared:	04/07/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/07/08 11:36	Instrument:	VMS1		
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
71-43-2	Benzene	0.0010	U
108-86-1	Bromobenzene	0.0020	U
74-97-5	Bromochloromethane	0.0010	U
75-27-4	Bromodichloromethane	0.0006	U
75-25-2	Bromoform	0.0010	U
74-83-9	Bromomethane	0.0020	U
75-15-0	Carbon Disulfide	0.0010	U
56-23-5	Carbon Tetrachloride	0.0010	U
108-90-7	Chlorobenzene	0.0010	U
75-00-3	Chloroethane	0.0020	U
67-66-3	Chloroform	0.0010	U
74-87-3	Chloromethane	0.0020	U
156-59-2	cis-1,2-Dichloroethene	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	0.0004	U
124-48-1	Dibromochloromethane	0.0010	U
74-95-3	Dibromomethane	0.0010	U
75-71-8	Dichlorodifluoromethane	0.0020	U
60-29-7	Diethyl Ether	0.0010	U
108-20-3	Di-isopropyl ether	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	0.0010	U
100-41-4	Ethylbenzene	0.0010	U
87-68-3	Hexachlorobutadiene	0.0006	U
67-72-1	Hexachloroethane	0.0010	U
98-82-8	Isopropylbenzene	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	0.0010	U
75-09-2	Methylene Chloride	0.0040	U
91-20-3	Naphthalene	0.0010	U
104-51-8	n-Butylbenzene	0.0010	U
103-65-1	n-Propylbenzene	0.0010	U
135-98-8	sec-Butylbenzene	0.0010	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80709-BLK1	File ID:	M1048262.D
Prepared:	04/07/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/07/08 11:36	Instrument:	VMS1		
Batch:	BD80709	Sequence:	BRD0064	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
100-42-5	Styrene	0.0010	U
98-06-6	tert-Butylbenzene	0.0010	U
994-05-8	Tertiary-amyl methyl ether	0.0010	U
127-18-4	Tetrachloroethene	0.0010	U
109-99-9	Tetrahydrofuran	0.0050	U
108-88-3	Toluene	0.0010	U
156-60-5	trans-1,2-Dichloroethene	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	0.0004	U
79-01-6	Trichloroethene	0.0010	U
75-69-4	Trichlorofluoromethane	0.0010	U
108-05-4	Vinyl Acetate	0.0050	U
75-01-4	Vinyl Chloride	0.0010	U
95-47-6	Xylene O	0.0010	U
1330-20-7	Xylene P,M	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	29.2	117	70 - 130	
4-Bromofluorobenzene	25.00	23.6	95	70 - 130	
Dibromofluoromethane	25.00	26.5	106	70 - 130	
Toluene-d8	25.00	23.9	96	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3098883	10.21	3449327	10.21	
Chlorobenzene-d5	2306435	14.39	2561062	14.39	
1,4-Dichlorobenzene-D4	1041693	17.07	1163116	17.07	

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80807-BLK1	File ID:	M1048292.D
Prepared:	04/08/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/08/08 11:39	Instrument:	VMS1		
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.0010	U
71-55-6	1,1,1-Trichloroethane	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0005	U
79-00-5	1,1,2-Trichloroethane	0.0010	U
75-34-3	1,1-Dichloroethane	0.0010	U
75-35-4	1,1-Dichloroethene	0.0010	U
563-58-6	1,1-Dichloropropene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0010	U
96-18-4	1,2,3-Trichloropropane	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.0050	U
106-93-4	1,2-Dibromoethane	0.0010	U
95-50-1	1,2-Dichlorobenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0010	U
78-87-5	1,2-Dichloropropane	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0010	U
142-28-9	1,3-Dichloropropane	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0010	U
123-91-1	1,4-Dioxane - Screen	0.500	U
544-10-5	1-Chlorohexane	0.0010	U
594-20-7	2,2-Dichloropropane	0.0010	U
78-93-3	2-Butanone	0.0250	U
95-49-8	2-Chlorotoluene	0.0010	U
591-78-6	2-Hexanone	0.0100	U
106-43-4	4-Chlorotoluene	0.0010	U
99-87-6	4-Isopropyltoluene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0250	U
67-64-1	Acetone	0.0250	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80807-BLK1	File ID:	M1048292.D
Prepared:	04/08/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/08/08 11:39	Instrument:	VMS1		
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
71-43-2	Benzene	0.0010	U
108-86-1	Bromobenzene	0.0020	U
74-97-5	Bromochloromethane	0.0010	U
75-27-4	Bromodichloromethane	0.0006	U
75-25-2	Bromoform	0.0010	U
74-83-9	Bromomethane	0.0020	U
75-15-0	Carbon Disulfide	0.0010	U
56-23-5	Carbon Tetrachloride	0.0010	U
108-90-7	Chlorobenzene	0.0010	U
75-00-3	Chloroethane	0.0020	U
67-66-3	Chloroform	0.0010	U
74-87-3	Chloromethane	0.0020	U
156-59-2	cis-1,2-Dichloroethene	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	0.0004	U
124-48-1	Dibromochloromethane	0.0010	U
74-95-3	Dibromomethane	0.0010	U
75-71-8	Dichlorodifluoromethane	0.0020	U
60-29-7	Diethyl Ether	0.0010	U
108-20-3	Di-isopropyl ether	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	0.0010	U
100-41-4	Ethylbenzene	0.0010	U
87-68-3	Hexachlorobutadiene	0.0006	U
67-72-1	Hexachloroethane	0.0010	U
98-82-8	Isopropylbenzene	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	0.0010	U
75-09-2	Methylene Chloride	0.0040	U
91-20-3	Naphthalene	0.0010	U
104-51-8	n-Butylbenzene	0.0010	U
103-65-1	n-Propylbenzene	0.0010	U
135-98-8	sec-Butylbenzene	0.0010	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80807-BLK1	File ID:	M1048292.D
Prepared:	04/08/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/08/08 11:39	Instrument:	VMS1		
Batch:	BD80807	Sequence:	BRD0073	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
100-42-5	Styrene	0.0010	U
98-06-6	tert-Butylbenzene	0.0010	U
994-05-8	Tertiary-amyl methyl ether	0.0010	U
127-18-4	Tetrachloroethene	0.0010	U
109-99-9	Tetrahydrofuran	0.0050	U
108-88-3	Toluene	0.0010	U
156-60-5	trans-1,2-Dichloroethene	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	0.0004	U
79-01-6	Trichloroethene	0.0010	U
75-69-4	Trichlorofluoromethane	0.0010	U
108-05-4	Vinyl Acetate	0.0050	U
75-01-4	Vinyl Chloride	0.0010	U
95-47-6	Xylene O	0.0010	U
1330-20-7	Xylene P,M	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.8	111	70 - 130	
4-Bromofluorobenzene	25.00	23.9	96	70 - 130	
Dibromofluoromethane	25.00	25.7	103	70 - 130	
Toluene-d8	25.00	24.4	97	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3146506	10.21	3292493	10.21	
Chlorobenzene-d5	2294869	14.39	2376613	14.39	
1,4-Dichlorobenzene-D4	1053094	17.07	1058187	17.06	

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80909-BLK1	File ID:	M1048319.D
Prepared:	04/09/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/09/08 11:38	Instrument:	VMS1		
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.0010	U
71-55-6	1,1,1-Trichloroethane	0.0010	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0005	U
79-00-5	1,1,2-Trichloroethane	0.0010	U
75-34-3	1,1-Dichloroethane	0.0010	U
75-35-4	1,1-Dichloroethene	0.0010	U
563-58-6	1,1-Dichloropropene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0010	U
96-18-4	1,2,3-Trichloropropane	0.0010	U
120-82-1	1,2,4-Trichlorobenzene	0.0010	U
95-63-6	1,2,4-Trimethylbenzene	0.0010	U
96-12-8	1,2-Dibromo-3-Chloropropane	0.0050	U
106-93-4	1,2-Dibromoethane	0.0010	U
95-50-1	1,2-Dichlorobenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0010	U
78-87-5	1,2-Dichloropropane	0.0010	U
108-67-8	1,3,5-Trimethylbenzene	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0010	U
142-28-9	1,3-Dichloropropane	0.0010	U
106-46-7	1,4-Dichlorobenzene	0.0010	U
123-91-1	1,4-Dioxane - Screen	0.500	U
544-10-5	1-Chlorohexane	0.0010	U
594-20-7	2,2-Dichloropropane	0.0010	U
78-93-3	2-Butanone	0.0250	U
95-49-8	2-Chlorotoluene	0.0010	U
591-78-6	2-Hexanone	0.0100	U
106-43-4	4-Chlorotoluene	0.0010	U
99-87-6	4-Isopropyltoluene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0250	U
67-64-1	Acetone	0.0250	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80909-BLK1	File ID:	M1048319.D
Prepared:	04/09/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/09/08 11:38	Instrument:	VMS1		
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
71-43-2	Benzene	0.0010	U
108-86-1	Bromobenzene	0.0020	U
74-97-5	Bromochloromethane	0.0010	U
75-27-4	Bromodichloromethane	0.0006	U
75-25-2	Bromoform	0.0010	U
74-83-9	Bromomethane	0.0020	U
75-15-0	Carbon Disulfide	0.0010	U
56-23-5	Carbon Tetrachloride	0.0010	U
108-90-7	Chlorobenzene	0.0010	U
75-00-3	Chloroethane	0.0020	U
67-66-3	Chloroform	0.0010	U
74-87-3	Chloromethane	0.0020	U
156-59-2	cis-1,2-Dichloroethene	0.0010	U
10061-01-5	cis-1,3-Dichloropropene	0.0004	U
124-48-1	Dibromochloromethane	0.0010	U
74-95-3	Dibromomethane	0.0010	U
75-71-8	Dichlorodifluoromethane	0.0020	U
60-29-7	Diethyl Ether	0.0010	U
108-20-3	Di-isopropyl ether	0.0010	U
637-92-3	Ethyl tertiary-butyl ether	0.0010	U
100-41-4	Ethylbenzene	0.0010	U
87-68-3	Hexachlorobutadiene	0.0006	U
67-72-1	Hexachloroethane	0.0010	U
98-82-8	Isopropylbenzene	0.0010	U
1634-04-4	Methyl tert-Butyl Ether	0.0010	U
75-09-2	Methylene Chloride	0.0040	U
91-20-3	Naphthalene	0.0010	U
104-51-8	n-Butylbenzene	0.0010	U
103-65-1	n-Propylbenzene	0.0010	U
135-98-8	sec-Butylbenzene	0.0010	U

METHOD BLANK DATA SHEET
8260B

Laboratory:	ESS Laboratory			SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.			Project:	Providence Gorham Site
Matrix:	Aqueous	Laboratory ID:	BD80909-BLK1	File ID:	M1048319.D
Prepared:	04/09/08 07:00	Preparation:	5030B	Initial/Final:	10 ml / 10 ml
Analyzed:	04/09/08 11:38	Instrument:	VMS1		
Batch:	BD80909	Sequence:	BRD0085	Calibration:	0804001

CAS NO.	COMPOUND	CONC. (mg/L)	Q
100-42-5	Styrene	0.0010	U
98-06-6	tert-Butylbenzene	0.0010	U
994-05-8	Tertiary-amyl methyl ether	0.0010	U
127-18-4	Tetrachloroethene	0.0010	U
109-99-9	Tetrahydrofuran	0.0050	U
108-88-3	Toluene	0.0010	U
156-60-5	trans-1,2-Dichloroethene	0.0010	U
10061-02-6	trans-1,3-Dichloropropene	0.0004	U
79-01-6	Trichloroethene	0.0010	U
75-69-4	Trichlorofluoromethane	0.0010	U
108-05-4	Vinyl Acetate	0.0050	U
75-01-4	Vinyl Chloride	0.0010	U
95-47-6	Xylene O	0.0010	U
1330-20-7	Xylene P,M	0.0020	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.00	27.6	110	70 - 130	
4-Bromofluorobenzene	25.00	24.7	99	70 - 130	
Dibromofluoromethane	25.00	25.5	102	70 - 130	
Toluene-d8	25.00	24.1	96	70 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	3201761	10.22	3429944	10.22	
Chlorobenzene-d5	2348120	14.39	2419813	14.39	
1,4-Dichlorobenzene-D4	1073004	17.07	1056695	17.07	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

MW 228S01

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-MS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml
Source Sample Name: MW 228S01

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	0.01000	ND	0.0099	99	70 - 130
1,1,1-Trichloroethane	0.01000	0.114	0.112	-16 *	70 - 130
1,1,2,2-Tetrachloroethane	0.01000	ND	0.0083	83	70 - 130
1,1,2-Trichloroethane	0.01000	0.0003	0.0101	98	70 - 130
1,1-Dichloroethane	0.01000	0.0443	0.0474	31 *	70 - 130
1,1-Dichloroethene	0.01000	0.0103	0.0194	91	70 - 130
1,1-Dichloropropene	0.01000	ND	0.0105	105	70 - 130
1,2,3-Trichlorobenzene	0.01000	ND	0.0071	71	70 - 130
1,2,3-Trichloropropane	0.01000	ND	0.0081	81	70 - 130
1,2,4-Trichlorobenzene	0.01000	ND	0.0075	75	70 - 130
1,2,4-Trimethylbenzene	0.01000	ND	0.0090	90	70 - 130
1,2-Dibromo-3-Chloropropane	0.01000	ND	0.0080	80	70 - 130
1,2-Dibromoethane	0.01000	ND	0.0092	92	70 - 130
1,2-Dichlorobenzene	0.01000	ND	0.0087	87	70 - 130
1,2-Dichloroethane	0.01000	ND	0.0112	112	70 - 130
1,2-Dichloropropane	0.01000	ND	0.0121	121	70 - 130
1,3,5-Trimethylbenzene	0.01000	ND	0.0087	87	70 - 130
1,3-Dichlorobenzene	0.01000	ND	0.0088	88	70 - 130
1,3-Dichloropropane	0.01000	ND	0.0091	91	70 - 130
1,4-Dichlorobenzene	0.01000	ND	0.0088	88	70 - 130
1,4-Dioxane - Screen	0.2000	0.0577	0.203	73	0 - 332
1-Chlorohexane	0.01000	ND	0.0096	96	70 - 130
2,2-Dichloropropane	0.01000	ND	0.0101	101	70 - 130
2-Butanone	0.05000	ND	0.0385	77	70 - 130
2-Chlorotoluene	0.01000	ND	0.0088	88	70 - 130
2-Hexanone	0.05000	ND	0.0419	84	70 - 130
4-Chlorotoluene	0.01000	ND	0.0086	86	70 - 130
4-Isopropyltoluene	0.01000	ND	0.0086	86	70 - 130
4-Methyl-2-Pentanone	0.05000	ND	0.0461	92	70 - 130
Acetone	0.05000	ND	0.0443	89	70 - 130
Benzene	0.01000	ND	0.0099	99	70 - 130
Bromobenzene	0.01000	ND	0.0088	88	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

MW 228S01

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80807	Laboratory ID:	BD80807-MS1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

Source Sample Name: MW 228S01

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC. #	QC LIMITS REC.
Bromochloromethane	0.01000	ND	0.0099	99	70 - 130
Bromodichloromethane	0.01000	ND	0.0120	120	70 - 130
Bromoform	0.01000	ND	0.0093	93	70 - 130
Bromomethane	0.01000	ND	0.0084	84	70 - 130
Carbon Disulfide	0.01000	ND	0.0110	110	70 - 130
Carbon Tetrachloride	0.01000	ND	0.0108	108	70 - 130
Chlorobenzene	0.01000	ND	0.0096	96	70 - 130
Chloroethane	0.01000	0.0012	0.0129	117	70 - 130
Chloroform	0.01000	0.0008	0.0111	103	70 - 130
Chloromethane	0.01000	ND	0.0100	100	70 - 130
cis-1,2-Dichloroethene	0.01000	0.0165	0.0253	88	70 - 130
cis-1,3-Dichloropropene	0.01000	ND	0.0101	101	70 - 130
Dibromochloromethane	0.01000	ND	0.0098	98	70 - 130
Dibromomethane	0.01000	ND	0.0096	96	70 - 130
Dichlorodifluoromethane	0.01000	ND	0.0091	91	70 - 130
Diethyl Ether	0.01000	ND	0.0197	197 *	70 - 130
Di-isopropyl ether	0.01000	ND	0.0097	97	70 - 130
Ethyl tertiary-butyl ether	0.01000	ND	0.0100	100	70 - 130
Ethylbenzene	0.01000	ND	0.0093	93	70 - 130
Hexachlorobutadiene	0.01000	ND	0.0075	75	70 - 130
Hexachloroethane	0.01000	ND	0.0104	104	70 - 130
Isopropylbenzene	0.01000	ND	0.0077	77	70 - 130
Methyl tert-Butyl Ether	0.01000	0.0008	0.0110	101	70 - 130
Methylene Chloride	0.01000	0.0007	0.0110	103	70 - 130
Naphthalene	0.01000	ND	0.0082	82	70 - 130
n-Butylbenzene	0.01000	ND	0.0086	86	70 - 130
n-Propylbenzene	0.01000	ND	0.0088	88	70 - 130
sec-Butylbenzene	0.01000	ND	0.0087	87	70 - 130
Styrene	0.01000	ND	0.0090	90	70 - 130
tert-Butylbenzene	0.01000	ND	0.0089	89	70 - 130
Tertiary-amyl methyl ether	0.01000	ND	0.0100	100	70 - 130
Tetrachloroethene	0.01000	3.61	0.360	-32500 *	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

MW 228S01

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-MS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml
Source Sample Name: MW 228S01

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC. #	QC LIMITS REC.
Tetrahydrofuran	0.01000	0.0022	0.0096	73	70 - 130
Toluene	0.01000	ND	0.0100	100	70 - 130
trans-1,2-Dichloroethene	0.01000	0.0008	0.0119	111	70 - 130
trans-1,3-Dichloropropene	0.01000	ND	0.0089	89	70 - 130
Trichloroethene	0.01000	0.578	0.428	-1500 *	70 - 130
Trichlorofluoromethane	0.01000	0.0040	0.0131	92	70 - 130
Vinyl Acetate	0.01000	ND	0.0091	91	70 - 130
Vinyl Chloride	0.01000	ND	0.0150	150 *	70 - 130
Xylene O	0.01000	ND	0.0093	93	70 - 130
Xylene P,M	0.02000	ND	0.0188	94	70 - 130

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	0.01000	0.0106	106	7	20	70 - 130
1,1,1-Trichloroethane	0.01000	0.113	-4 *	-118	20	70 - 130
1,1,2,2-Tetrachloroethane	0.01000	0.0084	84	2	20	70 - 130
1,1,2-Trichloroethane	0.01000	0.0100	97	0.6	20	70 - 130
1,1-Dichloroethane	0.01000	0.0477	34 *	10	20	70 - 130
1,1-Dichloroethene	0.01000	0.0196	93	2	20	70 - 130
1,1-Dichloropropene	0.01000	0.0104	104	0.8	20	70 - 130
1,2,3-Trichlorobenzene	0.01000	0.0080	80	12	20	70 - 130
1,2,3-Trichloropropane	0.01000	0.0083	83	2	20	70 - 130
1,2,4-Trichlorobenzene	0.01000	0.0084	84	12	20	70 - 130
1,2,4-Trimethylbenzene	0.01000	0.0090	90	0.2	20	70 - 130
1,2-Dibromo-3-Chloropropane	0.01000	0.0094	94	17	20	70 - 130
1,2-Dibromoethane	0.01000	0.0094	94	2	20	70 - 130
1,2-Dichlorobenzene	0.01000	0.0089	89	3	20	70 - 130
1,2-Dichloroethane	0.01000	0.0111	111	0.4	20	70 - 130
1,2-Dichloropropane	0.01000	0.0118	118	2	20	70 - 130
1,3,5-Trimethylbenzene	0.01000	0.0086	86	1	20	70 - 130
1,3-Dichlorobenzene	0.01000	0.0091	91	3	20	70 - 130
1,3-Dichloropropane	0.01000	0.0092	92	0.9	20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

MW 228S01

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-MSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml
Source Sample Name: MW 228S01

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	0.01000	0.0087	87	0.7	20	70 - 130
1,4-Dioxane - Screen	0.2000	0.344	143	65	200	0 - 332
1-Chlorohexane	0.01000	0.0093	93	3	20	70 - 130
2,2-Dichloropropane	0.01000	0.0100	100	1	20	70 - 130
2-Butanone	0.05000	0.0433	87	12	20	70 - 130
2-Chlorotoluene	0.01000	0.0088	88	1	20	70 - 130
2-Hexanone	0.05000	0.0424	85	1	20	70 - 130
4-Chlorotoluene	0.01000	0.0086	86	0.3	20	70 - 130
4-Isopropyltoluene	0.01000	0.0087	87	1	20	70 - 130
4-Methyl-2-Pentanone	0.05000	0.0484	97	5	20	70 - 130
Acetone	0.05000	0.0473	95	7	20	70 - 130
Benzene	0.01000	0.0100	100	0.8	20	70 - 130
Bromobenzene	0.01000	0.0090	90	1	20	70 - 130
Bromochloromethane	0.01000	0.0101	101	2	20	70 - 130
Bromodichloromethane	0.01000	0.0115	115	4	20	70 - 130
Bromoform	0.01000	0.0093	93	0	20	70 - 130
Bromomethane	0.01000	0.0091	91	8	20	70 - 130
Carbon Disulfide	0.01000	0.0112	112	2	20	70 - 130
Carbon Tetrachloride	0.01000	0.0109	109	1	20	70 - 130
Chlorobenzene	0.01000	0.0095	95	1	20	70 - 130
Chloroethane	0.01000	0.0131	119	2	20	70 - 130
Chloroform	0.01000	0.0110	102	0.3	20	70 - 130
Chloromethane	0.01000	0.0095	95	5	20	70 - 130
cis-1,2-Dichloroethene	0.01000	0.0256	90	3	20	70 - 130
cis-1,3-Dichloropropene	0.01000	0.0102	102	1	20	70 - 130
Dibromochloromethane	0.01000	0.0100	100	2	20	70 - 130
Dibromomethane	0.01000	0.0095	95	0.4	20	70 - 130
Dichlorodifluoromethane	0.01000	0.0093	93	2	20	70 - 130
Diethyl Ether	0.01000	0.0201	201 *	2	20	70 - 130
Di-isopropyl ether	0.01000	0.0097	97	0.5	20	70 - 130
Ethyl tertiary-butyl ether	0.01000	0.0103	103	4	20	70 - 130
Ethylbenzene	0.01000	0.0094	94	0.9	20	70 - 130
Hexachlorobutadiene	0.01000	0.0084	84	11	20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

8260B

MW 228S01

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-MSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml
Source Sample Name: MW 228S01

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Hexachloroethane	0.01000	0.0100	100	4	20	70 - 130
Isopropylbenzene	0.01000	0.0079	79	2	20	70 - 130
Methyl tert-Butyl Ether	0.01000	0.0110	102	0.4	20	70 - 130
Methylene Chloride	0.01000	0.0110	103	0.5	20	70 - 130
Naphthalene	0.01000	0.0090	90	9	20	70 - 130
n-Butylbenzene	0.01000	0.0088	88	2	20	70 - 130
n-Propylbenzene	0.01000	0.0089	89	0.7	20	70 - 130
sec-Butylbenzene	0.01000	0.0087	87	0.8	20	70 - 130
Styrene	0.01000	0.0088	88	1	20	70 - 130
tert-Butylbenzene	0.01000	0.0092	92	3	20	70 - 130
Tertiary-amyl methyl ether	0.01000	0.0101	101	2	20	70 - 130
Tetrachloroethene	0.01000	0.273	-33400 *	-3	20	70 - 130
Tetrahydrofuran	0.01000	0.0100	77	6	20	70 - 130
Toluene	0.01000	0.0098	98	2	20	70 - 130
trans-1,2-Dichloroethene	0.01000	0.0116	108	3	20	70 - 130
trans-1,3-Dichloropropene	0.01000	0.0087	87	2	20	70 - 130
Trichloroethene	0.01000	0.423	-1550 *	-3	20	70 - 130
Trichlorofluoromethane	0.01000	0.0133	94	2	20	70 - 130
Vinyl Acetate	0.01000	0.0090	90	0.9	20	70 - 130
Vinyl Chloride	0.01000	0.0142	142 *	6	20	70 - 130
Xylene O	0.01000	0.0095	95	2	20	70 - 130
Xylene P,M	0.02000	0.0189	95	0.6	20	70 - 130

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80709	Laboratory ID:	BD80709-BS1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.94	99	70 - 130
1,1,1-Trichloroethane	10.00	10.2	102	70 - 130
1,1,2,2-Tetrachloroethane	10.00	9.23	92	70 - 130
1,1,2-Trichloroethane	10.00	9.59	96	70 - 130
1,1-Dichloroethane	10.00	9.91	99	70 - 130
1,1-Dichloroethene	10.00	10.5	105	70 - 130
1,1-Dichloropropene	10.00	9.55	96	70 - 130
1,2,3-Trichlorobenzene	10.00	8.57	86	70 - 130
1,2,3-Trichloropropane	10.00	8.73	87	70 - 130
1,2,4-Trichlorobenzene	10.00	8.65	86	70 - 130
1,2,4-Trimethylbenzene	10.00	9.30	93	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	8.93	89	70 - 130
1,2-Dibromoethane	10.00	9.38	94	70 - 130
1,2-Dichlorobenzene	10.00	9.66	97	70 - 130
1,2-Dichloroethane	10.00	10.6	106	70 - 130
1,2-Dichloropropane	10.00	9.77	98	70 - 130
1,3,5-Trimethylbenzene	10.00	9.04	90	70 - 130
1,3-Dichlorobenzene	10.00	9.89	99	70 - 130
1,3-Dichloropropane	10.00	9.09	91	70 - 130
1,4-Dichlorobenzene	10.00	9.53	95	70 - 130
1,4-Dioxane - Screen	200.0	113	57	0 - 332
1-Chlorohexane	10.00	8.71	87	70 - 130
2,2-Dichloropropane	10.00	10.6	106	70 - 130
2-Butanone	50.00	47.2	94	70 - 130
2-Chlorotoluene	10.00	9.11	91	70 - 130
2-Hexanone	50.00	43.5	87	70 - 130
4-Chlorotoluene	10.00	8.75	88	70 - 130
4-Isopropyltoluene	10.00	9.02	90	70 - 130
4-Methyl-2-Pentanone	50.00	44.2	88	70 - 130
Acetone	50.00	62.8	126	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80709
Laboratory ID: BD80709-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	10.00	9.12	91	70 - 130
Bromobenzene	10.00	9.71	97	70 - 130
Bromochloromethane	10.00	10.0	100	70 - 130
Bromodichloromethane	10.00	11.3	113	70 - 130
Bromoform	10.00	9.74	97	70 - 130
Bromomethane	10.00	8.01	80	70 - 130
Carbon Disulfide	10.00	10.4	104	70 - 130
Carbon Tetrachloride	10.00	10.4	104	70 - 130
Chlorobenzene	10.00	9.65	96	70 - 130
Chloroethane	10.00	11.1	111	70 - 130
Chloroform	10.00	9.87	99	70 - 130
Chloromethane	10.00	8.43	84	70 - 130
cis-1,2-Dichloroethene	10.00	10.4	104	70 - 130
cis-1,3-Dichloropropene	10.00	9.88	99	70 - 130
Dibromochloromethane	10.00	10.4	104	70 - 130
Dibromomethane	10.00	9.25	92	70 - 130
Dichlorodifluoromethane	10.00	8.67	87	70 - 130
Diethyl Ether	10.00	10.4	104	70 - 130
Di-isopropyl ether	10.00	9.21	92	70 - 130
Ethyl tertiary-butyl ether	10.00	9.74	97	70 - 130
Ethylbenzene	10.00	8.91	89	70 - 130
Hexachlorobutadiene	10.00	9.28	93	70 - 130
Hexachloroethane	10.00	10.3	103	70 - 130
Isopropylbenzene	10.00	8.21	82	70 - 130
Methyl tert-Butyl Ether	10.00	9.96	100	70 - 130
Methylene Chloride	10.00	10.5	105	70 - 130
Naphthalene	10.00	8.81	88	70 - 130
n-Butylbenzene	10.00	8.98	90	70 - 130
n-Propylbenzene	10.00	8.97	90	70 - 130
sec-Butylbenzene	10.00	8.93	89	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80709
Laboratory ID: BD80709-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Styrene	10.00	8.97	90	70 - 130
tert-Butylbenzene	10.00	9.45	94	70 - 130
Tertiary-amyl methyl ether	10.00	9.71	97	70 - 130
Tetrachloroethene	10.00	9.12	91	70 - 130
Tetrahydrofuran	10.00	7.23	72	70 - 130
Toluene	10.00	9.35	94	70 - 130
trans-1,2-Dichloroethene	10.00	10.1	101	70 - 130
trans-1,3-Dichloropropene	10.00	8.60	86	70 - 130
Trichloroethene	10.00	9.50	95	70 - 130
Trichlorofluoromethane	10.00	9.78	98	70 - 130
Vinyl Acetate	10.00	8.58	86	70 - 130
Vinyl Chloride	10.00	13.2	132 *	70 - 130
Xylene O	10.00	9.12	91	70 - 130
Xylene P,M	20.00	18.7	94	70 - 130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.11	91	9	20	70 - 130
1,1,1-Trichloroethane	10.00	9.59	96	6	20	70 - 130
1,1,2,2-Tetrachloroethane	10.00	8.74	87	5	20	70 - 130
1,1,2-Trichloroethane	10.00	9.24	92	4	20	70 - 130
1,1-Dichloroethane	10.00	9.69	97	2	20	70 - 130
1,1-Dichloroethene	10.00	10.0	100	4	20	70 - 130
1,1-Dichloropropene	10.00	9.32	93	2	20	70 - 130
1,2,3-Trichlorobenzene	10.00	9.14	91	6	20	70 - 130
1,2,3-Trichloropropane	10.00	8.63	86	1	20	70 - 130
1,2,4-Trichlorobenzene	10.00	9.15	92	6	20	70 - 130
1,2,4-Trimethylbenzene	10.00	9.11	91	2	20	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	8.60	86	4	20	70 - 130
1,2-Dibromoethane	10.00	8.86	89	6	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80709
Laboratory ID: BD80709-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	10.00	9.53	95	1	20	70 - 130
1,2-Dichloroethane	10.00	10.5	105	1	20	70 - 130
1,2-Dichloropropane	10.00	9.43	94	4	20	70 - 130
1,3,5-Trimethylbenzene	10.00	8.85	88	2	20	70 - 130
1,3-Dichlorobenzene	10.00	9.43	94	5	20	70 - 130
1,3-Dichloropropane	10.00	8.81	88	3	20	70 - 130
1,4-Dichlorobenzene	10.00	9.35	94	2	20	70 - 130
1,4-Dioxane - Screen	200.0	173	86	41	200	0 - 332
1-Chlorohexane	10.00	8.42	84	3	20	70 - 130
2,2-Dichloropropane	10.00	9.97	100	6	20	70 - 130
2-Butanone	50.00	44.3	89	6	20	70 - 130
2-Chlorotoluene	10.00	8.93	89	2	20	70 - 130
2-Hexanone	50.00	41.8	84	4	20	70 - 130
4-Chlorotoluene	10.00	8.67	87	0.9	20	70 - 130
4-Isopropyltoluene	10.00	8.96	90	0.7	20	70 - 130
4-Methyl-2-Pentanone	50.00	45.8	92	4	20	70 - 130
Acetone	50.00	56.2	112	11	20	70 - 130
Benzene	10.00	8.90	89	2	20	70 - 130
Bromobenzene	10.00	9.68	97	0.3	20	70 - 130
Bromochloromethane	10.00	9.91	99	1	20	70 - 130
Bromodichloromethane	10.00	10.7	107	6	20	70 - 130
Bromoform	10.00	9.37	94	4	20	70 - 130
Bromomethane	10.00	7.69	77	4	20	70 - 130
Carbon Disulfide	10.00	9.94	99	5	20	70 - 130
Carbon Tetrachloride	10.00	9.73	97	6	20	70 - 130
Chlorobenzene	10.00	9.03	90	7	20	70 - 130
Chloroethane	10.00	10.9	109	1	20	70 - 130
Chloroform	10.00	9.68	97	2	20	70 - 130
Chloromethane	10.00	8.80	88	4	20	70 - 130
cis-1,2-Dichloroethene	10.00	9.93	99	4	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80709
Laboratory ID: BD80709-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.00	9.50	95	4	20	70 - 130
Dibromochloromethane	10.00	9.57	96	8	20	70 - 130
Dibromomethane	10.00	9.19	92	0.7	20	70 - 130
Dichlorodifluoromethane	10.00	9.10	91	5	20	70 - 130
Diethyl Ether	10.00	10.7	107	2	20	70 - 130
Di-isopropyl ether	10.00	8.95	90	3	20	70 - 130
Ethyl tertiary-butyl ether	10.00	9.48	95	3	20	70 - 130
Ethylbenzene	10.00	8.57	86	4	20	70 - 130
Hexachlorobutadiene	10.00	9.37	94	1	20	70 - 130
Hexachloroethane	10.00	10.0	100	3	20	70 - 130
Isopropylbenzene	10.00	7.81	78	5	20	70 - 130
Methyl tert-Butyl Ether	10.00	9.82	98	1	20	70 - 130
Methylene Chloride	10.00	10.0	100	4	20	70 - 130
Naphthalene	10.00	9.17	92	4	20	70 - 130
n-Butylbenzene	10.00	8.86	89	1	20	70 - 130
n-Propylbenzene	10.00	8.63	86	4	20	70 - 130
sec-Butylbenzene	10.00	8.93	89	0	20	70 - 130
Styrene	10.00	8.29	83	8	20	70 - 130
tert-Butylbenzene	10.00	9.25	92	2	20	70 - 130
Tertiary-amyl methyl ether	10.00	9.37	94	4	20	70 - 130
Tetrachloroethene	10.00	8.57	86	6	20	70 - 130
Tetrahydrofuran	10.00	7.23	72	0	20	70 - 130
Toluene	10.00	9.25	92	1	20	70 - 130
trans-1,2-Dichloroethene	10.00	9.71	97	4	20	70 - 130
trans-1,3-Dichloropropene	10.00	8.43	84	2	20	70 - 130
Trichloroethene	10.00	9.36	94	1	20	70 - 130
Trichlorofluoromethane	10.00	9.38	94	4	20	70 - 130
Vinyl Acetate	10.00	8.41	84	2	20	70 - 130
Vinyl Chloride	10.00	12.7	127	3	20	70 - 130
Xylene O	10.00	8.68	87	5	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80709	Laboratory ID:	BD80709-BSD1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Xylene P,M	20.00	17.5	88	7	20	70 - 130

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.70	97	70 - 130
1,1,1-Trichloroethane	10.00	9.78	98	70 - 130
1,1,2,2-Tetrachloroethane	10.00	9.12	91	70 - 130
1,1,2-Trichloroethane	10.00	9.41	94	70 - 130
1,1-Dichloroethane	10.00	10.4	104	70 - 130
1,1-Dichloroethene	10.00	10.7	107	70 - 130
1,1-Dichloropropene	10.00	9.75	98	70 - 130
1,2,3-Trichlorobenzene	10.00	8.20	82	70 - 130
1,2,3-Trichloropropane	10.00	8.55	86	70 - 130
1,2,4-Trichlorobenzene	10.00	8.67	87	70 - 130
1,2,4-Trimethylbenzene	10.00	9.51	95	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	8.52	85	70 - 130
1,2-Dibromoethane	10.00	9.20	92	70 - 130
1,2-Dichlorobenzene	10.00	9.65	96	70 - 130
1,2-Dichloroethane	10.00	10.9	109	70 - 130
1,2-Dichloropropane	10.00	10.0	100	70 - 130
1,3,5-Trimethylbenzene	10.00	9.21	92	70 - 130
1,3-Dichlorobenzene	10.00	9.80	98	70 - 130
1,3-Dichloropropane	10.00	9.42	94	70 - 130
1,4-Dichlorobenzene	10.00	9.62	96	70 - 130
1,4-Dioxane - Screen	200.0	98.3	49	0 - 332
1-Chlorohexane	10.00	8.98	90	70 - 130
2,2-Dichloropropane	10.00	9.84	98	70 - 130
2-Butanone	50.00	43.3	87	70 - 130
2-Chlorotoluene	10.00	9.21	92	70 - 130
2-Hexanone	50.00	42.0	84	70 - 130
4-Chlorotoluene	10.00	9.16	92	70 - 130
4-Isopropyltoluene	10.00	9.31	93	70 - 130
4-Methyl-2-Pentanone	50.00	45.8	92	70 - 130
Acetone	50.00	53.6	107	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	10.00	9.46	95	70 - 130
Bromobenzene	10.00	9.59	96	70 - 130
Bromochloromethane	10.00	9.95	100	70 - 130
Bromodichloromethane	10.00	11.2	112	70 - 130
Bromoform	10.00	9.51	95	70 - 130
Bromomethane	10.00	7.93	79	70 - 130
Carbon Disulfide	10.00	10.6	106	70 - 130
Carbon Tetrachloride	10.00	10.1	101	70 - 130
Chlorobenzene	10.00	9.76	98	70 - 130
Chloroethane	10.00	11.4	114	70 - 130
Chloroform	10.00	10.0	100	70 - 130
Chloromethane	10.00	9.50	95	70 - 130
cis-1,2-Dichloroethene	10.00	10.4	104	70 - 130
cis-1,3-Dichloropropene	10.00	9.61	96	70 - 130
Dibromochloromethane	10.00	10.3	103	70 - 130
Dibromomethane	10.00	9.75	98	70 - 130
Dichlorodifluoromethane	10.00	8.89	89	70 - 130
Diethyl Ether	10.00	11.3	113	70 - 130
Di-isopropyl ether	10.00	9.54	95	70 - 130
Ethyl tertiary-butyl ether	10.00	9.80	98	70 - 130
Ethylbenzene	10.00	9.29	93	70 - 130
Hexachlorobutadiene	10.00	8.96	90	70 - 130
Hexachloroethane	10.00	10.0	100	70 - 130
Isopropylbenzene	10.00	8.36	84	70 - 130
Methyl tert-Butyl Ether	10.00	9.78	98	70 - 130
Methylene Chloride	10.00	10.5	105	70 - 130
Naphthalene	10.00	8.77	88	70 - 130
n-Butylbenzene	10.00	9.03	90	70 - 130
n-Propylbenzene	10.00	9.25	92	70 - 130
sec-Butylbenzene	10.00	9.18	92	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Styrene	10.00	9.09	91	70 - 130
tert-Butylbenzene	10.00	9.42	94	70 - 130
Tertiary-amyl methyl ether	10.00	9.65	96	70 - 130
Tetrachloroethene	10.00	9.10	91	70 - 130
Tetrahydrofuran	10.00	6.85	68 *	70 - 130
Toluene	10.00	9.50	95	70 - 130
trans-1,2-Dichloroethene	10.00	10.3	103	70 - 130
trans-1,3-Dichloropropene	10.00	8.86	89	70 - 130
Trichloroethene	10.00	9.90	99	70 - 130
Trichlorofluoromethane	10.00	9.67	97	70 - 130
Vinyl Acetate	10.00	8.71	87	70 - 130
Vinyl Chloride	10.00	13.4	134 *	70 - 130
Xylene O	10.00	9.52	95	70 - 130
Xylene P,M	20.00	18.8	94	70 - 130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.57	96	1	20	70 - 130
1,1,1-Trichloroethane	10.00	9.77	98	0.1	20	70 - 130
1,1,2,2-Tetrachloroethane	10.00	9.16	92	0.4	20	70 - 130
1,1,2-Trichloroethane	10.00	9.71	97	3	20	70 - 130
1,1-Dichloroethane	10.00	10.2	102	3	20	70 - 130
1,1-Dichloroethene	10.00	10.5	105	2	20	70 - 130
1,1-Dichloropropene	10.00	9.84	98	0.9	20	70 - 130
1,2,3-Trichlorobenzene	10.00	9.28	93	12	20	70 - 130
1,2,3-Trichloropropane	10.00	9.01	90	5	20	70 - 130
1,2,4-Trichlorobenzene	10.00	9.10	91	5	20	70 - 130
1,2,4-Trimethylbenzene	10.00	9.53	95	0.2	20	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	9.00	90	5	20	70 - 130
1,2-Dibromoethane	10.00	9.17	92	0.3	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	10.00	9.72	97	0.7	20	70 - 130
1,2-Dichloroethane	10.00	10.4	104	4	20	70 - 130
1,2-Dichloropropane	10.00	10.0	100	0.4	20	70 - 130
1,3,5-Trimethylbenzene	10.00	9.30	93	1	20	70 - 130
1,3-Dichlorobenzene	10.00	9.89	99	0.9	20	70 - 130
1,3-Dichloropropane	10.00	9.11	91	3	20	70 - 130
1,4-Dichlorobenzene	10.00	9.56	96	0.6	20	70 - 130
1,4-Dioxane - Screen	200.0	134	67	31	200	0 - 332
1-Chlorohexane	10.00	9.16	92	2	20	70 - 130
2,2-Dichloropropane	10.00	10.2	102	3	20	70 - 130
2-Butanone	50.00	42.1	84	3	20	70 - 130
2-Chlorotoluene	10.00	9.47	95	3	20	70 - 130
2-Hexanone	50.00	42.4	85	0.9	20	70 - 130
4-Chlorotoluene	10.00	9.11	91	0.5	20	70 - 130
4-Isopropyltoluene	10.00	9.48	95	2	20	70 - 130
4-Methyl-2-Pentanone	50.00	45.8	92	0.02	20	70 - 130
Acetone	50.00	52.0	104	3	20	70 - 130
Benzene	10.00	9.36	94	1	20	70 - 130
Bromobenzene	10.00	9.54	95	0.5	20	70 - 130
Bromochloromethane	10.00	10.0	100	0.6	20	70 - 130
Bromodichloromethane	10.00	11.4	114	2	20	70 - 130
Bromoform	10.00	9.51	95	0	20	70 - 130
Bromomethane	10.00	7.82	78	1	20	70 - 130
Carbon Disulfide	10.00	10.6	106	0.3	20	70 - 130
Carbon Tetrachloride	10.00	10.2	102	0.5	20	70 - 130
Chlorobenzene	10.00	9.56	96	2	20	70 - 130
Chloroethane	10.00	11.2	112	2	20	70 - 130
Chloroform	10.00	9.92	99	0.8	20	70 - 130
Chloromethane	10.00	9.73	97	2	20	70 - 130
cis-1,2-Dichloroethene	10.00	10.3	103	0.6	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80807
Laboratory ID: BD80807-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.00	9.52	95	0.9	20	70 - 130
Dibromochloromethane	10.00	9.92	99	3	20	70 - 130
Dibromomethane	10.00	9.60	96	2	20	70 - 130
Dichlorodifluoromethane	10.00	9.02	90	1	20	70 - 130
Diethyl Ether	10.00	12.7	127	12	20	70 - 130
Di-isopropyl ether	10.00	9.26	93	3	20	70 - 130
Ethyl tertiary-butyl ether	10.00	9.96	100	2	20	70 - 130
Ethylbenzene	10.00	9.10	91	2	20	70 - 130
Hexachlorobutadiene	10.00	9.50	95	6	20	70 - 130
Hexachloroethane	10.00	10.4	104	3	20	70 - 130
Isopropylbenzene	10.00	8.34	83	0.2	20	70 - 130
Methyl tert-Butyl Ether	10.00	9.89	99	1	20	70 - 130
Methylene Chloride	10.00	10.4	104	1	20	70 - 130
Naphthalene	10.00	9.55	96	9	20	70 - 130
n-Butylbenzene	10.00	9.38	94	4	20	70 - 130
n-Propylbenzene	10.00	9.36	94	1	20	70 - 130
sec-Butylbenzene	10.00	9.35	94	2	20	70 - 130
Styrene	10.00	8.94	89	2	20	70 - 130
tert-Butylbenzene	10.00	9.88	99	5	20	70 - 130
Tertiary-amyl methyl ether	10.00	9.77	98	1	20	70 - 130
Tetrachloroethene	10.00	9.01	90	1	20	70 - 130
Tetrahydrofuran	10.00	8.16	82	17	20	70 - 130
Toluene	10.00	9.47	95	0.3	20	70 - 130
trans-1,2-Dichloroethene	10.00	10.4	104	0.5	20	70 - 130
trans-1,3-Dichloropropene	10.00	8.95	90	1	20	70 - 130
Trichloroethene	10.00	9.69	97	2	20	70 - 130
Trichlorofluoromethane	10.00	9.82	98	2	20	70 - 130
Vinyl Acetate	10.00	8.76	88	0.6	20	70 - 130
Vinyl Chloride	10.00	13.6	136 *	2	20	70 - 130
Xylene O	10.00	9.35	94	2	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80807	Laboratory ID:	BD80807-BSD1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Xylene P,M	20.00	18.4	92	2	20	70 - 130

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

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80909	Laboratory ID:	BD80909-BS1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	9.60	96	70 - 130
1,1,1-Trichloroethane	10.00	9.63	96	70 - 130
1,1,2,2-Tetrachloroethane	10.00	9.60	96	70 - 130
1,1,2-Trichloroethane	10.00	9.59	96	70 - 130
1,1-Dichloroethane	10.00	9.85	98	70 - 130
1,1-Dichloroethene	10.00	10.6	106	70 - 130
1,1-Dichloropropene	10.00	9.88	99	70 - 130
1,2,3-Trichlorobenzene	10.00	8.61	86	70 - 130
1,2,3-Trichloropropane	10.00	9.44	94	70 - 130
1,2,4-Trichlorobenzene	10.00	8.69	87	70 - 130
1,2,4-Trimethylbenzene	10.00	9.89	99	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	9.45	94	70 - 130
1,2-Dibromoethane	10.00	9.32	93	70 - 130
1,2-Dichlorobenzene	10.00	9.79	98	70 - 130
1,2-Dichloroethane	10.00	10.3	103	70 - 130
1,2-Dichloropropane	10.00	10.0	100	70 - 130
1,3,5-Trimethylbenzene	10.00	9.47	95	70 - 130
1,3-Dichlorobenzene	10.00	9.79	98	70 - 130
1,3-Dichloropropane	10.00	9.16	92	70 - 130
1,4-Dichlorobenzene	10.00	9.54	95	70 - 130
1,4-Dioxane - Screen	200.0	95.0	47	0 - 332
1-Chlorohexane	10.00	9.56	96	70 - 130
2,2-Dichloropropane	10.00	9.97	100	70 - 130
2-Butanone	50.00	44.2	88	70 - 130
2-Chlorotoluene	10.00	9.80	98	70 - 130
2-Hexanone	50.00	45.7	91	70 - 130
4-Chlorotoluene	10.00	9.38	94	70 - 130
4-Isopropyltoluene	10.00	9.44	94	70 - 130
4-Methyl-2-Pentanone	50.00	47.3	95	70 - 130
Acetone	50.00	55.8	112	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80909
Laboratory ID: BD80909-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Benzene	10.00	9.40	94	70 - 130
Bromobenzene	10.00	9.85	98	70 - 130
Bromochloromethane	10.00	9.69	97	70 - 130
Bromodichloromethane	10.00	10.9	109	70 - 130
Bromoform	10.00	9.80	98	70 - 130
Bromomethane	10.00	9.17	92	70 - 130
Carbon Disulfide	10.00	10.6	106	70 - 130
Carbon Tetrachloride	10.00	9.71	97	70 - 130
Chlorobenzene	10.00	9.54	95	70 - 130
Chloroethane	10.00	10.9	109	70 - 130
Chloroform	10.00	9.70	97	70 - 130
Chloromethane	10.00	9.71	97	70 - 130
cis-1,2-Dichloroethene	10.00	10.1	101	70 - 130
cis-1,3-Dichloropropene	10.00	9.89	99	70 - 130
Dibromochloromethane	10.00	9.82	98	70 - 130
Dibromomethane	10.00	9.18	92	70 - 130
Dichlorodifluoromethane	10.00	8.25	82	70 - 130
Diethyl Ether	10.00	10.7	107	70 - 130
Di-isopropyl ether	10.00	9.48	95	70 - 130
Ethyl tertiary-butyl ether	10.00	9.88	99	70 - 130
Ethylbenzene	10.00	9.34	93	70 - 130
Hexachlorobutadiene	10.00	9.60	96	70 - 130
Hexachloroethane	10.00	11.0	110	70 - 130
Isopropylbenzene	10.00	8.61	86	70 - 130
Methyl tert-Butyl Ether	10.00	9.78	98	70 - 130
Methylene Chloride	10.00	10.3	103	70 - 130
Naphthalene	10.00	9.11	91	70 - 130
n-Butylbenzene	10.00	9.34	93	70 - 130
n-Propylbenzene	10.00	9.66	97	70 - 130
sec-Butylbenzene	10.00	9.47	95	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80909
Laboratory ID: BD80909-BS1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
Styrene	10.00	9.13	91	70 - 130
tert-Butylbenzene	10.00	9.93	99	70 - 130
Tertiary-amyl methyl ether	10.00	9.71	97	70 - 130
Tetrachloroethene	10.00	9.04	90	70 - 130
Tetrahydrofuran	10.00	8.64	86	70 - 130
Toluene	10.00	9.42	94	70 - 130
trans-1,2-Dichloroethene	10.00	10.2	102	70 - 130
trans-1,3-Dichloropropene	10.00	8.80	88	70 - 130
Trichloroethene	10.00	9.71	97	70 - 130
Trichlorofluoromethane	10.00	9.34	93	70 - 130
Vinyl Acetate	10.00	8.90	89	70 - 130
Vinyl Chloride	10.00	12.9	129	70 - 130
Xylene O	10.00	9.22	92	70 - 130
Xylene P,M	20.00	18.9	94	70 - 130

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.00	10.4	104	8	20	70 - 130
1,1,1-Trichloroethane	10.00	10.4	104	8	20	70 - 130
1,1,2,2-Tetrachloroethane	10.00	10.4	104	8	20	70 - 130
1,1,2-Trichloroethane	10.00	10.4	104	8	20	70 - 130
1,1-Dichloroethane	10.00	10.8	108	9	20	70 - 130
1,1-Dichloroethene	10.00	11.6	116	9	20	70 - 130
1,1-Dichloropropene	10.00	10.5	105	6	20	70 - 130
1,2,3-Trichlorobenzene	10.00	9.81	98	13	20	70 - 130
1,2,3-Trichloropropane	10.00	10.0	100	6	20	70 - 130
1,2,4-Trichlorobenzene	10.00	9.99	100	14	20	70 - 130
1,2,4-Trimethylbenzene	10.00	10.6	106	6	20	70 - 130
1,2-Dibromo-3-Chloropropane	10.00	11.1	111	16	20	70 - 130
1,2-Dibromoethane	10.00	10.2	102	9	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80909
Laboratory ID: BD80909-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	10.00	10.4	104	7	20	70 - 130
1,2-Dichloroethane	10.00	11.0	110	7	20	70 - 130
1,2-Dichloropropane	10.00	10.8	108	7	20	70 - 130
1,3,5-Trimethylbenzene	10.00	10.2	102	8	20	70 - 130
1,3-Dichlorobenzene	10.00	10.5	105	7	20	70 - 130
1,3-Dichloropropane	10.00	9.80	98	7	20	70 - 130
1,4-Dichlorobenzene	10.00	10.3	103	7	20	70 - 130
1,4-Dioxane - Screen	200.0	161	81	52	200	0 - 332
1-Chlorohexane	10.00	10.2	102	7	20	70 - 130
2,2-Dichloropropane	10.00	10.6	106	6	20	70 - 130
2-Butanone	50.00	47.2	94	7	20	70 - 130
2-Chlorotoluene	10.00	10.2	102	4	20	70 - 130
2-Hexanone	50.00	50.2	100	9	20	70 - 130
4-Chlorotoluene	10.00	10.2	102	9	20	70 - 130
4-Isopropyltoluene	10.00	10.2	102	8	20	70 - 130
4-Methyl-2-Pentanone	50.00	51.2	102	8	20	70 - 130
Acetone	50.00	56.7	113	2	20	70 - 130
Benzene	10.00	10.1	101	8	20	70 - 130
Bromobenzene	10.00	10.5	105	7	20	70 - 130
Bromochloromethane	10.00	10.4	104	7	20	70 - 130
Bromodichloromethane	10.00	11.9	119	8	20	70 - 130
Bromoform	10.00	10.4	104	6	20	70 - 130
Bromomethane	10.00	10.2	102	10	20	70 - 130
Carbon Disulfide	10.00	11.2	112	5	20	70 - 130
Carbon Tetrachloride	10.00	10.7	107	9	20	70 - 130
Chlorobenzene	10.00	10.3	103	8	20	70 - 130
Chloroethane	10.00	11.7	117	7	20	70 - 130
Chloroform	10.00	10.4	104	6	20	70 - 130
Chloromethane	10.00	10.0	100	3	20	70 - 130
cis-1,2-Dichloroethene	10.00	11.3	113	11	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Matrix: Aqueous
Batch: BD80909
Laboratory ID: BD80909-BSD1
Preparation: 5030B
Initial/Final: 10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
cis-1,3-Dichloropropene	10.00	10.7	107	8	20	70 - 130
Dibromochloromethane	10.00	10.8	108	9	20	70 - 130
Dibromomethane	10.00	10.2	102	11	20	70 - 130
Dichlorodifluoromethane	10.00	8.77	88	6	20	70 - 130
Diethyl Ether	10.00	11.3	113	6	20	70 - 130
Di-isopropyl ether	10.00	10.1	101	7	20	70 - 130
Ethyl tertiary-butyl ether	10.00	10.6	106	7	20	70 - 130
Ethylbenzene	10.00	10.1	101	8	20	70 - 130
Hexachlorobutadiene	10.00	10.5	105	9	20	70 - 130
Hexachloroethane	10.00	11.3	113	3	20	70 - 130
Isopropylbenzene	10.00	9.17	92	6	20	70 - 130
Methyl tert-Butyl Ether	10.00	10.4	104	6	20	70 - 130
Methylene Chloride	10.00	10.7	107	4	20	70 - 130
Naphthalene	10.00	10.4	104	14	20	70 - 130
n-Butylbenzene	10.00	10.4	104	11	20	70 - 130
n-Propylbenzene	10.00	10.4	104	7	20	70 - 130
sec-Butylbenzene	10.00	10.3	103	8	20	70 - 130
Styrene	10.00	9.86	99	8	20	70 - 130
tert-Butylbenzene	10.00	10.5	105	6	20	70 - 130
Tertiary-amyl methyl ether	10.00	10.7	107	10	20	70 - 130
Tetrachloroethene	10.00	9.83	98	8	20	70 - 130
Tetrahydrofuran	10.00	9.76	98	12	20	70 - 130
Toluene	10.00	10.2	102	8	20	70 - 130
trans-1,2-Dichloroethene	10.00	11.2	112	9	20	70 - 130
trans-1,3-Dichloropropene	10.00	9.36	94	6	20	70 - 130
Trichloroethene	10.00	10.4	104	6	20	70 - 130
Trichlorofluoromethane	10.00	9.86	99	5	20	70 - 130
Vinyl Acetate	10.00	9.65	96	8	20	70 - 130
Vinyl Chloride	10.00	14.0	140 *	8	20	70 - 130
Xylene O	10.00	10.3	103	11	20	70 - 130

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Matrix:	Aqueous		
Batch:	BD80909	Laboratory ID:	BD80909-BSD1
Preparation:	5030B	Initial/Final:	10 ml / 10 ml

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Xylene P,M	20.00	20.3	102	8	20	70 - 130

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

* Values outside of QC limits

VOA
Calibration Data

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRC0282	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	BRC0282-TUN1	M1048142.D	03/31/08 11:35
Cal Standard	BRC0282-CAL1	M1048143.D	03/31/08 13:19
Cal Standard	BRC0282-CAL2	M1048144.D	03/31/08 13:46
Cal Standard	BRC0282-CAL3	M1048145.D	03/31/08 14:13
Cal Standard	BRC0282-CAL4	M1048146.D	03/31/08 14:41
Cal Standard	BRC0282-CAL5	M1048147.D	03/31/08 15:08
Cal Standard	BRC0282-CAL6	M1048148.D	03/31/08 15:36
Cal Standard	BRC0282-CAL7	M1048149.D	03/31/08 16:03
Secondary Cal Check	BRC0282-SCV1	M1048152.D	03/31/08 17:25

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0064	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	BRD0064-TUN1	M1048256.D	04/07/08 08:24
Calibration Check	BRD0064-CCV1	M1048257.D	04/07/08 08:52
LCS	BD80709-BS1	M1048258.D	04/07/08 09:46
LCS Dup	BD80709-BSD1	M1048259.D	04/07/08 10:14
Blank	BD80709-BLK1	M1048262.D	04/07/08 11:36
MW 220S01	0804037-04RE1	M1048272.D	04/07/08 16:18
MW 221S01	0804037-05RE1	M1048273.D	04/07/08 16:47
~~MW 230S01~~	~~0804037-10~~	~~M1048297.D~~	~~04/07/08 17:14~~
MW 230S01	0804037-10	M1048274.D	04/07/08 17:14
MW 226S01	0804037-11	M1048275.D	04/07/08 17:42
~~MW 226S01~~	~~0804037-11~~	~~M1048298.D~~	~~04/07/08 17:42~~
MW 229S01	0804037-12	M1048276.D	04/07/08 18:09
~~MW 229S01~~	~~0804037-12~~	~~M1048299.D~~	~~04/07/08 18:09~~
MW 226D01	0804037-13	M1048277.D	04/07/08 18:37
~~MW 226D01~~	~~0804037-13~~	~~M1048303.D~~	~~04/07/08 18:37~~
~~MW 227D01~~	~~0804037-01~~	~~M1048302.D~~	~~04/07/08 19:31~~
MW 227D01	0804037-01	M1048279.D	04/07/08 19:31
MW 227S01	0804037-02	M1048280.D	04/07/08 19:59
~~MW 227S01~~	~~0804037-02~~	~~M1048295.D~~	~~04/07/08 19:59~~

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0073	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
~~MW 221S01~~	~~0804037-05~~	~~M1048273.D~~	~~04/07/08 16:47~~
MW 221S01	0804037-05	M1048305.D	~~04/07/08 16:47~~ 04/08/08 17:55
MS Tune	BRD0073-TUN1	M1048286.D	04/08/08 08:26
Calibration Check	BRD0073-CCV1	M1048287.D	04/08/08 08:54
LCS	BD80807-BS1	M1048288.D	04/08/08 09:48
LCS Dup	BD80807-BSD1	M1048289.D	04/08/08 10:16
Blank	BD80807-BLK1	M1048292.D	04/08/08 11:39
MW 227S01	0804037-02RE1	M1048295.D	04/08/08 13:06
~~MW 227S01 Dup~~	~~0804037-03~~	~~M1048296.D~~	~~04/08/08 13:35~~
MW 227S01 Dup	0804037-03	M1048306.D	04/08/08 ~~13:35~~ 18:22
MW 227S01 Dup	0804037-03RE1	M1048296.D	04/08/08 13:35
MW 230S01	0804037-10RE1	M1048297.D	04/08/08 14:04
MW 226S01	0804037-11RE1	M1048298.D	04/08/08 14:34
MW 229S01	0804037-12RE1	M1048299.D	04/08/08 15:03
Equipment Blank	0804037-14	M1048300.D	04/08/08 15:30
MW 230D01	0804037-09	M1048307.D	04/08/08 ~~15:59~~ 18:50
~~MW 230D01~~	~~0804037-09~~	~~M1048301.D~~	~~04/08/08 15:59~~
MW 230D01	0804037-09RE1	M1048301.D	04/08/08 15:59
MW 227D01	0804037-01RE1	M1048302.D	04/08/08 16:29
MW 226D01	0804037-13RE1	M1048303.D	04/08/08 16:58
MW 228S01	0804037-07	M1048308.D	04/08/08 ~~17:27~~ 19:17
~~MW 228S01~~	~~0804037-07~~	~~M1048304.D~~	~~04/08/08 17:27~~
MW 228S01	0804037-07RE1	M1048304.D	04/08/08 17:27
MW 228S01	BD80807-MS1	M1048309.D	04/08/08 19:44
MW 228S01	BD80807-MSD1	M1048310.D	04/08/08 20:11

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0085	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MW 220S01	0804037-04	M1048322.D	~~04/07/08 16:18~~ 04/09/08 13:04
~~MW 220S01~~	~~0804037-04~~	~~M1048272.D~~	~~04/07/08 16:18~~
MS Tune	BRD0085-TUN1	M1048313.D	04/09/08 08:27
Calibration Check	BRD0085-CCV1	M1048314.D	04/09/08 08:54
LCS	BD80909-BS1	M1048315.D	04/09/08 09:49
LCS Dup	BD80909-BSD1	M1048316.D	04/09/08 10:16
Blank	BD80909-BLK1	M1048319.D	04/09/08 11:38
MW 228D01	0804037-06	M1048323.D	04/09/08 ~~12:08~~ 13:32
~~MW 228D01~~	~~0804037-06~~	~~M1048320.D~~	~~04/09/08 12:08~~
MW 228D01	0804037-06RE1	M1048320.D	04/09/08 12:08
MW 228S01 Dup	0804037-08	M1048324.D	04/09/08 ~~12:37~~ 13:59
~~MW 228S01 Dup~~	~~0804037-08~~	~~M1048321.D~~	~~04/09/08 12:37~~
MW 228S01 Dup	0804037-08RE1	M1048321.D	04/09/08 12:37

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Lab File ID:	M1048256.D	Injection Date:	04/07/08
Instrument ID:	VMS1	Injection Time:	08:24
Sequence:	BRD0064	Lab Sample ID:	BRD0064-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.7	PASS
75	30 - 60% of 95	38.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.09	PASS
173	Less than 2% of 174	0.696	PASS
174	50 - 100% of 95	82.4	PASS
175	5 - 9% of 174	8.76	PASS
176	95 - 101% of 174	98.9	PASS
177	5 - 9% of 176	6.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Lab File ID:	M1048286.D	Injection Date:	04/08/08
Instrument ID:	VMS1	Injection Time:	08:26
Sequence:	BRD0073	Lab Sample ID:	BRD0073-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	17.5	PASS
75	30 - 60% of 95	41.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.3	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	81.3	PASS
175	5 - 9% of 174	7.53	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	5.28	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Lab File ID:	M1048313.D	Injection Date:	04/09/08
Instrument ID:	VMS1	Injection Time:	08:27
Sequence:	BRD0085	Lab Sample ID:	BRD0085-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.9	PASS
75	30 - 60% of 95	36.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	5.92	PASS
173	Less than 2% of 174	0.376	PASS
174	50 - 100% of 95	88.3	PASS
175	5 - 9% of 174	8.01	PASS
176	95 - 101% of 174	98	PASS
177	5 - 9% of 176	7.78	PASS

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048257.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0064	Injection Date:	04/07/08
Lab Sample ID:	BRD0064-CCV1	Injection Time:	08:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	25.00	26.9	0.3394603	0.3650361		7.5	30
1,1,1,2-Tetrachloroethane	A	25.00	26.9	0.3394603	0.3650361		7.5	30
1,1,1-Trichloroethane	A	25.00	27.6	0.3110596	0.3439828		10.6	30
1,1,1-Trichloroethane	A	25.00	27.6	0.3110596	0.3439828		10.6	30
1,1,2,2-Tetrachloroethane	A	25.00	25.2	0.8534852	0.85899	0.3	0.6	30
1,1,2,2-Tetrachloroethane	A	25.00	25.2	0.8534852	0.85899	0.3	0.6	30
1,1,2-Trichloroethane	A	25.00	25.9	0.196062	0.2034481		3.8	30
1,1,2-Trichloroethane	A	25.00	25.9	0.196062	0.2034481		3.8	30
1,1-Dichloroethane	A	25.00	26.6	0.4676268	0.4982931	0.1	6.6	30
1,1-Dichloroethane	A	25.00	26.6	0.4676268	0.4982931	0.1	6.6	30
1,1-Dichloroethene	A	25.00	24.8	0.244583	0.2428578		-0.7	20
1,1-Dichloroethene	A	25.00	24.8	0.244583	0.2428578		-0.7	20
1,1-Dichloropropene	A	25.00	25.5	0.348074	0.3548913		2.0	30
1,1-Dichloropropene	A	25.00	25.5	0.348074	0.3548913		2.0	30
1,2,3-Trichlorobenzene	A	25.00	23.0	0.5745021	0.5279989		-8.1	30
1,2,3-Trichlorobenzene	A	25.00	23.0	0.5745021	0.5279989		-8.1	30
1,2,3-Trichloropropane	A	25.00	25.9	0.6871129	0.7115739		3.6	30
1,2,3-Trichloropropane	A	25.00	25.9	0.6871129	0.7115739		3.6	30
1,2,4-Trichlorobenzene	A	25.00	24.3	0.6826864	0.664135		-2.7	30
1,2,4-Trichlorobenzene	A	25.00	24.3	0.6826864	0.664135		-2.7	30
1,2,4-Trimethylbenzene	A	25.00	24.9	2.038259	2.027705		-0.5	30
1,2,4-Trimethylbenzene	A	25.00	24.9	2.038259	2.027705		-0.5	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.8	7.312109E-02	0.0754886		3.2	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.8	7.312109E-02	0.0754886		3.2	30
1,2-Dibromoethane	A	25.00	25.8	0.3324679	0.3433064		3.3	30
1,2-Dibromoethane	A	25.00	25.8	0.3324679	0.3433064		3.3	30
1,2-Dichlorobenzene	A	25.00	25.9	1.448399	1.501631		3.7	30
1,2-Dichlorobenzene	A	25.00	25.9	1.448399	1.501631		3.7	30
1,2-Dichloroethane	A	25.00	29.2	0.2286516	0.2671802		16.9	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048257.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0064	Injection Date:	04/07/08
Lab Sample ID:	BRD0064-CCV1	Injection Time:	08:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dichloroethane	A	25.00	29.2	0.2286516	0.2671802		16.9	30
1,2-Dichloropropane	A	25.00	26.4	0.2781706	0.2935341		5.5	20
1,2-Dichloropropane	A	25.00	26.4	0.2781706	0.2935341		5.5	20
1,3,5-Trimethylbenzene	A	25.00	24.4	1.995331	1.948162		-2.4	30
1,3,5-Trimethylbenzene	A	25.00	24.4	1.995331	1.948162		-2.4	30
1,3-Dichlorobenzene	A	25.00	26.1	1.55689	1.626643		4.5	30
1,3-Dichlorobenzene	A	25.00	26.1	1.55689	1.626643		4.5	30
1,3-Dichloropropane	A	25.00	23.8	0.5134075	0.4892888		-4.7	30
1,3-Dichloropropane	A	25.00	23.8	0.5134075	0.4892888		-4.7	30
1,4-Dichlorobenzene	A	25.00	25.8	1.657544	1.710301		3.2	30
1,4-Dichlorobenzene	A	25.00	25.8	1.657544	1.710301		3.2	30
1,4-Dioxane - Screen	A	500.0	437	1.30114E-03	1.136077E-03		-12.7	30
1,4-Dioxane - Screen	A	500.0	437	1.30114E-03	1.136077E-03		-12.7	30
1-Chlorohexane	A	25.00	24.3	0.4165814	0.4056317		-2.6	30
1-Chlorohexane	A	25.00	24.3	0.4165814	0.4056317		-2.6	30
2,2-Dichloropropane	A	25.00	29.9	0.2771819	0.3317914		19.7	30
2,2-Dichloropropane	A	25.00	29.9	0.2771819	0.3317914		19.7	30
2-Butanone	A	125.0	133	1.587848E-02	1.687552E-02		6.3	30
2-Butanone	A	125.0	133	1.587848E-02	1.687552E-02		6.3	30
2-Chlorotoluene	A	25.00	24.0	2.194776	2.10629		-4.0	30
2-Chlorotoluene	A	25.00	24.0	2.194776	2.10629		-4.0	30
2-Hexanone	A	125.0	122	0.1589153	0.1553582		-2.2	30
2-Hexanone	A	125.0	122	0.1589153	0.1553582		-2.2	30
4-Chlorotoluene	A	25.00	24.2	2.26507	2.193741		-3.1	30
4-Chlorotoluene	A	25.00	24.2	2.26507	2.193741		-3.1	30
4-Isopropyltoluene	A	25.00	25.6	1.774982	1.815404		2.3	30
4-Isopropyltoluene	A	25.00	25.6	1.774982	1.815404		2.3	30
4-Methyl-2-Pentanone	A	125.0	133	5.596375E-02	0.0594066		6.2	30
4-Methyl-2-Pentanone	A	125.0	133	5.596375E-02	0.0594066		6.2	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048257.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0064	Injection Date:	04/07/08
Lab Sample ID:	BRD0064-CCV1	Injection Time:	08:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	125.0	146	5.864814E-03	6.831709E-03		16.5	30
Acetone	A	125.0	146	5.864814E-03	6.831709E-03		16.5	30
Benzene	A	25.00	24.7	1.100371	1.085977		-1.3	30
Benzene	A	25.00	24.7	1.100371	1.085977		-1.3	30
Bromobenzene	A	25.00	26.0	1.066193	1.108709		4.0	30
Bromobenzene	A	25.00	26.0	1.066193	1.108709		4.0	30
Bromochloromethane	A	25.00	27.6	0.1775582	0.1958826		10.3	30
Bromochloromethane	A	25.00	27.6	0.1775582	0.1958826		10.3	30
Bromodichloromethane	A	25.00	28.8	0.3418241	0.3790609		10.9	30
Bromodichloromethane	A	25.00	28.8	0.3418241	0.3790609		10.9	30
Bromoform	L	25.00	25.1	0.2299586	0.2655644	0.1	0.4	30
Bromoform	L	25.00	25.1	0.2299586	0.2655644	0.1	0.4	30
Bromomethane	A	25.00	17.6	0.2003193	0.1409608		-29.6	30
Bromomethane	A	25.00	17.6	0.2003193	0.1409608		-29.6	30
Carbon Disulfide	A	25.00	25.3	1.009735	1.021634		1.2	30
Carbon Disulfide	A	25.00	25.3	1.009735	1.021634		1.2	30
Carbon Tetrachloride	A	25.00	28.1	0.2494957	0.2800361		12.2	30
Carbon Tetrachloride	A	25.00	28.1	0.2494957	0.2800361		12.2	30
Chlorobenzene	A	25.00	25.2	1.014047	1.023764	0.3	1.0	30
Chlorobenzene	A	25.00	25.2	1.014047	1.023764	0.3	1.0	30
Chloroethane	A	25.00	29.8	0.1149597	0.1369342		19.1	30
Chloroethane	A	25.00	29.8	0.1149597	0.1369342		19.1	30
Chloroform	A	25.00	26.7	0.4976749	0.5323908		7.0	20
Chloroform	A	25.00	26.7	0.4976749	0.5323908		7.0	20
Chloromethane	A	25.00	24.0	0.3542793	0.3395454	0.1	-4.2	30
Chloromethane	A	25.00	24.0	0.3542793	0.3395454	0.1	-4.2	30
cis-1,2-Dichloroethene	A	25.00	26.1	0.3177882	0.3316537		4.4	30
cis-1,2-Dichloroethene	A	25.00	26.1	0.3177882	0.3316537		4.4	30
cis-1,3-Dichloropropene	A	25.00	28.8	0.3645374	0.4202457		15.3	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048257.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0064	Injection Date:	04/07/08
Lab Sample ID:	BRD0064-CCV1	Injection Time:	08:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
cis-1,3-Dichloropropene	A	25.00	28.8	0.3645374	0.4202457		15.3	30
Dibromochloromethane	L	25.00	25.5	0.3490035	0.4175932		1.9	30
Dibromochloromethane	L	25.00	25.5	0.3490035	0.4175932		1.9	30
Dibromomethane	A	25.00	26.7	0.1934236	0.2065519		6.8	30
Dibromomethane	A	25.00	26.7	0.1934236	0.2065519		6.8	30
Dichlorodifluoromethane	A	25.00	25.6	0.2637561	0.2700909		2.4	30
Dichlorodifluoromethane	A	25.00	25.6	0.2637561	0.2700909		2.4	30
Diethyl Ether	A	25.00	27.9	7.347477E-02	8.454229E-02		15.1	30
Diethyl Ether	A	25.00	27.9	7.347477E-02	8.454229E-02		15.1	30
Di-isopropyl ether	A	25.00	25.0	0.952768	0.9506765		-0.2	30
Di-isopropyl ether	A	25.00	25.0	0.952768	0.9506765		-0.2	30
Ethyl tertiary-butyl ether	A	25.00	27.4	0.6242981	0.6843854		9.6	30
Ethyl tertiary-butyl ether	A	25.00	27.4	0.6242981	0.6843854		9.6	30
Ethylbenzene	A	25.00	24.1	1.546959	1.493902		-3.4	20
Ethylbenzene	A	25.00	24.1	1.546959	1.493902		-3.4	20
Hexachlorobutadiene	A	25.00	23.9	0.2741554	0.2624622		-4.3	30
Hexachlorobutadiene	A	25.00	23.9	0.2741554	0.2624622		-4.3	30
Hexachloroethane	L	25.00	25.2	0.3517104	0.429915		1.0	30
Hexachloroethane	L	25.00	25.2	0.3517104	0.429915		1.0	30
Isopropylbenzene	A	25.00	24.4	2.591551	2.530847		-2.3	30
Isopropylbenzene	A	25.00	24.4	2.591551	2.530847		-2.3	30
Methyl tert-Butyl Ether	A	25.00	27.1	0.4654496	0.5048365		8.5	30
Methyl tert-Butyl Ether	A	25.00	27.1	0.4654496	0.5048365		8.5	30
Methylene Chloride	A	25.00	24.5	0.3472599	0.3405661		-1.9	30
Methylene Chloride	A	25.00	24.5	0.3472599	0.3405661		-1.9	30
Naphthalene	A	25.00	24.4	1.191446	1.162166		-2.5	30
Naphthalene	A	25.00	24.4	1.191446	1.162166		-2.5	30
n-Butylbenzene	A	25.00	24.9	1.688339	1.681816		-0.4	30
n-Butylbenzene	A	25.00	24.9	1.688339	1.681816		-0.4	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048257.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0064	Injection Date:	04/07/08
Lab Sample ID:	BRD0064-CCV1	Injection Time:	08:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
n-Propylbenzene	A	25.00	24.7	3.300052	3.262461		-1.1	30
n-Propylbenzene	A	25.00	24.7	3.300052	3.262461		-1.1	30
sec-Butylbenzene	A	25.00	24.5	2.229556	2.182056		-2.1	30
sec-Butylbenzene	A	25.00	24.5	2.229556	2.182056		-2.1	30
Styrene	A	25.00	25.0	0.9423163	0.9419924		-0.03	30
Styrene	A	25.00	25.0	0.9423163	0.9419924		-0.03	30
tert-Butylbenzene	A	25.00	25.0	1.529304	1.529762		0.03	30
tert-Butylbenzene	A	25.00	25.0	1.529304	1.529762		0.03	30
Tertiary-amyl methyl ether	A	25.00	26.6	0.552306	0.5882913		6.5	30
Tertiary-amyl methyl ether	A	25.00	26.6	0.552306	0.5882913		6.5	30
Tetrachloroethene	A	25.00	23.9	0.3592911	0.3434563		-4.4	30
Tetrachloroethene	A	25.00	23.9	0.3592911	0.3434563		-4.4	30
Tetrahydrofuran	A	25.00	22.1	4.153566E-02	3.674282E-02		-11.5	30
Tetrahydrofuran	A	25.00	22.1	4.153566E-02	3.674282E-02		-11.5	30
Toluene	A	25.00	25.7	0.6192587	0.6372869		2.9	20
Toluene	A	25.00	25.7	0.6192587	0.6372869		2.9	20
trans-1,2-Dichloroethene	A	25.00	25.5	0.2901774	0.296065		2.0	30
trans-1,2-Dichloroethene	A	25.00	25.5	0.2901774	0.296065		2.0	30
trans-1,3-Dichloropropene	L	25.00	26.6	0.2616513	0.3241528		6.4	30
trans-1,3-Dichloropropene	L	25.00	26.6	0.2616513	0.3241528		6.4	30
Trichloroethene	A	25.00	25.4	0.2948186	0.2989232		1.4	30
Trichloroethene	A	25.00	25.4	0.2948186	0.2989232		1.4	30
Trichlorofluoromethane	A	25.00	27.0	0.23909	0.2581947		8.0	30
Trichlorofluoromethane	A	25.00	27.0	0.23909	0.2581947		8.0	30
Vinyl Acetate	A	25.00	24.0	0.4335189	0.4170814		-3.8	30
Vinyl Acetate	A	25.00	24.0	0.4335189	0.4170814		-3.8	30
Vinyl Chloride	A	25.00	29.8	0.2269918	0.2703177		19.1	20
Vinyl Chloride	A	25.00	29.8	0.2269918	0.2703177		19.1	20
Xylene O	A	25.00	25.2	0.5723843	0.5758428		0.6	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048257.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0064	Injection Date:	04/07/08
Lab Sample ID:	BRD0064-CCV1	Injection Time:	08:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Xylene O	A	25.00	25.2	0.5723843	0.5758428		0.6	30
Xylene P,M	A	50.00	49.5	0.5618456	0.5565884		-0.9	30
Xylene P,M	A	50.00	49.5	0.5618456	0.5565884		-0.9	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048287.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0073	Injection Date:	04/08/08
Lab Sample ID:	BRD0073-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	25.00	25.7	0.3394603	0.3494376		2.9	30
1,1,1,2-Tetrachloroethane	A	25.00	25.7	0.3394603	0.3494376		2.9	30
1,1,1-Trichloroethane	A	25.00	26.0	0.3110596	0.3232806		3.9	30
1,1,1-Trichloroethane	A	25.00	26.0	0.3110596	0.3232806		3.9	30
1,1,2,2-Tetrachloroethane	A	25.00	25.4	0.8534852	0.8653952	0.3	1.4	30
1,1,2,2-Tetrachloroethane	A	25.00	25.4	0.8534852	0.8653952	0.3	1.4	30
1,1,2-Trichloroethane	A	25.00	25.3	0.196062	0.1983931		1.2	30
1,1,2-Trichloroethane	A	25.00	25.3	0.196062	0.1983931		1.2	30
1,1-Dichloroethane	A	25.00	25.8	0.4676268	0.4819461	0.1	3.1	30
1,1-Dichloroethane	A	25.00	25.8	0.4676268	0.4819461	0.1	3.1	30
1,1-Dichloroethene	A	25.00	23.6	0.244583	0.2312418		-5.5	20
1,1-Dichloroethene	A	25.00	23.6	0.244583	0.2312418		-5.5	20
1,1-Dichloropropene	A	25.00	24.7	0.348074	0.3441623		-1.1	30
1,1-Dichloropropene	A	25.00	24.7	0.348074	0.3441623		-1.1	30
1,2,3-Trichlorobenzene	A	25.00	21.9	0.5745021	0.5042861		-12.2	30
1,2,3-Trichlorobenzene	A	25.00	21.9	0.5745021	0.5042861		-12.2	30
1,2,3-Trichloropropane	A	25.00	25.7	0.6871129	0.707254		2.9	30
1,2,3-Trichloropropane	A	25.00	25.7	0.6871129	0.707254		2.9	30
1,2,4-Trichlorobenzene	A	25.00	23.3	0.6826864	0.6369602		-6.7	30
1,2,4-Trichlorobenzene	A	25.00	23.3	0.6826864	0.6369602		-6.7	30
1,2,4-Trimethylbenzene	A	25.00	25.1	2.038259	2.043665		0.3	30
1,2,4-Trimethylbenzene	A	25.00	25.1	2.038259	2.043665		0.3	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.2	7.312109E-02	7.385651E-02		1.0	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.2	7.312109E-02	7.385651E-02		1.0	30
1,2-Dibromoethane	A	25.00	25.1	0.3324679	0.3337342		0.4	30
1,2-Dibromoethane	A	25.00	25.1	0.3324679	0.3337342		0.4	30
1,2-Dichlorobenzene	A	25.00	25.3	1.448399	1.464116		1.1	30
1,2-Dichlorobenzene	A	25.00	25.3	1.448399	1.464116		1.1	30
1,2-Dichloroethane	A	25.00	27.8	0.2286516	0.2537612		11.0	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048287.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0073	Injection Date:	04/08/08
Lab Sample ID:	BRD0073-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichloroethane	A	25.00	27.8	0.2286516	0.2537612		11.0	30	
1,2-Dichloropropane	A	25.00	25.9	0.2781706	0.2885215		3.7	20	
1,2-Dichloropropane	A	25.00	25.9	0.2781706	0.2885215		3.7	20	
1,3,5-Trimethylbenzene	A	25.00	24.5	1.995331	1.955443		-2.0	30	
1,3,5-Trimethylbenzene	A	25.00	24.5	1.995331	1.955443		-2.0	30	
1,3-Dichlorobenzene	A	25.00	25.5	1.55689	1.589646		2.1	30	
1,3-Dichlorobenzene	A	25.00	25.5	1.55689	1.589646		2.1	30	
1,3-Dichloropropane	A	25.00	24.1	0.5134075	0.4943851		-3.7	30	
1,3-Dichloropropane	A	25.00	24.1	0.5134075	0.4943851		-3.7	30	
1,4-Dichlorobenzene	A	25.00	24.9	1.657544	1.650988		-0.4	30	
1,4-Dichlorobenzene	A	25.00	24.9	1.657544	1.650988		-0.4	30	
1,4-Dioxane - Screen	A	500.0	213	1.30114E-03	5.534712E-04		-57.5	30	*
1,4-Dioxane - Screen	A	500.0	213	1.30114E-03	5.534712E-04		-57.5	30	*
1-Chlorohexane	A	25.00	24.1	0.4165814	0.4010998		-3.7	30	
1-Chlorohexane	A	25.00	24.1	0.4165814	0.4010998		-3.7	30	
2,2-Dichloropropane	A	25.00	27.7	0.2771819	0.3070014		10.8	30	
2,2-Dichloropropane	A	25.00	27.7	0.2771819	0.3070014		10.8	30	
2-Butanone	A	125.0	125	1.587848E-02	1.592064E-02		0.3	30	
2-Butanone	A	125.0	125	1.587848E-02	1.592064E-02		0.3	30	
2-Chlorotoluene	A	25.00	24.1	2.194776	2.113403		-3.7	30	
2-Chlorotoluene	A	25.00	24.1	2.194776	2.113403		-3.7	30	
2-Hexanone	A	125.0	121	0.1589153	0.1533795		-3.5	30	
2-Hexanone	A	125.0	121	0.1589153	0.1533795		-3.5	30	
4-Chlorotoluene	A	25.00	23.9	2.26507	2.165321		-4.4	30	
4-Chlorotoluene	A	25.00	23.9	2.26507	2.165321		-4.4	30	
4-Isopropyltoluene	A	25.00	25.2	1.774982	1.787697		0.7	30	
4-Isopropyltoluene	A	25.00	25.2	1.774982	1.787697		0.7	30	
4-Methyl-2-Pentanone	A	125.0	131	5.596375E-02	5.881434E-02		5.1	30	
4-Methyl-2-Pentanone	A	125.0	131	5.596375E-02	5.881434E-02		5.1	30	

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048287.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0073	Injection Date:	04/08/08
Lab Sample ID:	BRD0073-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	125.0	128	5.864814E-03	6.023339E-03		2.7	30	
Acetone	A	125.0	128	5.864814E-03	6.023339E-03		2.7	30	
Benzene	A	25.00	23.9	1.100371	1.053435		-4.3	30	
Benzene	A	25.00	23.9	1.100371	1.053435		-4.3	30	
Bromobenzene	A	25.00	25.0	1.066193	1.066874		0.06	30	
Bromobenzene	A	25.00	25.0	1.066193	1.066874		0.06	30	
Bromochloromethane	A	25.00	25.9	0.1775582	0.1838015		3.5	30	
Bromochloromethane	A	25.00	25.9	0.1775582	0.1838015		3.5	30	
Bromodichloromethane	A	25.00	27.2	0.3418241	0.3576123		4.6	30	
Bromodichloromethane	A	25.00	27.2	0.3418241	0.3576123		4.6	30	
Bromoform	L	25.00	23.4	0.2299586	0.2463699	0.1	-6.2	30	
Bromoform	L	25.00	23.4	0.2299586	0.2463699	0.1	-6.2	30	
Bromomethane	A	25.00	16.9	0.2003193	0.1352635		-32.5	30	*
Bromomethane	A	25.00	16.9	0.2003193	0.1352635		-32.5	30	*
Carbon Disulfide	A	25.00	24.2	1.009735	0.9771228		-3.2	30	
Carbon Disulfide	A	25.00	24.2	1.009735	0.9771228		-3.2	30	
Carbon Tetrachloride	A	25.00	26.8	0.2494957	0.2671921		7.1	30	
Carbon Tetrachloride	A	25.00	26.8	0.2494957	0.2671921		7.1	30	
Chlorobenzene	A	25.00	24.4	1.014047	0.9888206	0.3	-2.5	30	
Chlorobenzene	A	25.00	24.4	1.014047	0.9888206	0.3	-2.5	30	
Chloroethane	A	25.00	27.8	0.1149597	0.1277284		11.1	30	
Chloroethane	A	25.00	27.8	0.1149597	0.1277284		11.1	30	
Chloroform	A	25.00	25.6	0.4976749	0.5095413		2.4	20	
Chloroform	A	25.00	25.6	0.4976749	0.5095413		2.4	20	
Chloromethane	A	25.00	23.1	0.3542793	0.3274248	0.1	-7.6	30	
Chloromethane	A	25.00	23.1	0.3542793	0.3274248	0.1	-7.6	30	
cis-1,2-Dichloroethene	A	25.00	24.6	0.3177882	0.3133726		-1.4	30	
cis-1,2-Dichloroethene	A	25.00	24.6	0.3177882	0.3133726		-1.4	30	
cis-1,3-Dichloropropene	A	25.00	26.7	0.3645374	0.3893706		6.8	30	

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048287.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0073	Injection Date:	04/08/08
Lab Sample ID:	BRD0073-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
cis-1,3-Dichloropropene	A	25.00	26.7	0.3645374	0.3893706		6.8	30
Dibromochloromethane	L	25.00	24.3	0.3490035	0.3978729		-2.7	30
Dibromochloromethane	L	25.00	24.3	0.3490035	0.3978729		-2.7	30
Dibromomethane	A	25.00	25.8	0.1934236	0.1992007		3.0	30
Dibromomethane	A	25.00	25.8	0.1934236	0.1992007		3.0	30
Dichlorodifluoromethane	A	25.00	23.4	0.2637561	0.2469822		-6.4	30
Dichlorodifluoromethane	A	25.00	23.4	0.2637561	0.2469822		-6.4	30
Diethyl Ether	A	25.00	27.8	7.347477E-02	8.424984E-02		14.7	30
Diethyl Ether	A	25.00	27.8	7.347477E-02	8.424984E-02		14.7	30
Di-isopropyl ether	A	25.00	23.7	0.952768	0.9028639		-5.2	30
Di-isopropyl ether	A	25.00	23.7	0.952768	0.9028639		-5.2	30
Ethyl tertiary-butyl ether	A	25.00	26.2	0.6242981	0.6531561		4.6	30
Ethyl tertiary-butyl ether	A	25.00	26.2	0.6242981	0.6531561		4.6	30
Ethylbenzene	A	25.00	23.8	1.546959	1.47078		-4.9	20
Ethylbenzene	A	25.00	23.8	1.546959	1.47078		-4.9	20
Hexachlorobutadiene	A	25.00	22.4	0.2741554	0.2454831		-10.5	30
Hexachlorobutadiene	A	25.00	22.4	0.2741554	0.2454831		-10.5	30
Hexachloroethane	L	25.00	24.6	0.3517104	0.4166957		-1.8	30
Hexachloroethane	L	25.00	24.6	0.3517104	0.4166957		-1.8	30
Isopropylbenzene	A	25.00	24.6	2.591551	2.547279		-1.7	30
Isopropylbenzene	A	25.00	24.6	2.591551	2.547279		-1.7	30
Methyl tert-Butyl Ether	A	25.00	25.2	0.4654496	0.4686968		0.7	30
Methyl tert-Butyl Ether	A	25.00	25.2	0.4654496	0.4686968		0.7	30
Methylene Chloride	A	25.00	23.1	0.3472599	0.3212484		-7.5	30
Methylene Chloride	A	25.00	23.1	0.3472599	0.3212484		-7.5	30
Naphthalene	A	25.00	24.6	1.191446	1.17394		-1.5	30
Naphthalene	A	25.00	24.6	1.191446	1.17394		-1.5	30
n-Butylbenzene	A	25.00	24.1	1.688339	1.628632		-3.5	30
n-Butylbenzene	A	25.00	24.1	1.688339	1.628632		-3.5	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048287.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0073	Injection Date:	04/08/08
Lab Sample ID:	BRD0073-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
n-Propylbenzene	A	25.00	25.1	3.300052	3.315554		0.5	30
n-Propylbenzene	A	25.00	25.1	3.300052	3.315554		0.5	30
sec-Butylbenzene	A	25.00	24.4	2.229556	2.177863		-2.3	30
sec-Butylbenzene	A	25.00	24.4	2.229556	2.177863		-2.3	30
Styrene	A	25.00	24.3	0.9423163	0.9174687		-2.6	30
Styrene	A	25.00	24.3	0.9423163	0.9174687		-2.6	30
tert-Butylbenzene	A	25.00	24.7	1.529304	1.510535		-1.2	30
tert-Butylbenzene	A	25.00	24.7	1.529304	1.510535		-1.2	30
Tertiary-amyl methyl ether	A	25.00	25.0	0.552306	0.5524631		0.03	30
Tertiary-amyl methyl ether	A	25.00	25.0	0.552306	0.5524631		0.03	30
Tetrachloroethene	A	25.00	23.5	0.3592911	0.3378712		-6.0	30
Tetrachloroethene	A	25.00	23.5	0.3592911	0.3378712		-6.0	30
Tetrahydrofuran	A	25.00	21.7	4.153566E-02	3.608633E-02		-13.1	30
Tetrahydrofuran	A	25.00	21.7	4.153566E-02	3.608633E-02		-13.1	30
Toluene	A	25.00	24.4	0.6192587	0.6041073		-2.4	20
Toluene	A	25.00	24.4	0.6192587	0.6041073		-2.4	20
trans-1,2-Dichloroethene	A	25.00	24.4	0.2901774	0.2827423		-2.6	30
trans-1,2-Dichloroethene	A	25.00	24.4	0.2901774	0.2827423		-2.6	30
trans-1,3-Dichloropropene	L	25.00	25.4	0.2616513	0.3082178		1.4	30
trans-1,3-Dichloropropene	L	25.00	25.4	0.2616513	0.3082178		1.4	30
Trichloroethene	A	25.00	24.8	0.2948186	0.2927788		-0.7	30
Trichloroethene	A	25.00	24.8	0.2948186	0.2927788		-0.7	30
Trichlorofluoromethane	A	25.00	26.0	0.23909	0.2481709		3.8	30
Trichlorofluoromethane	A	25.00	26.0	0.23909	0.2481709		3.8	30
Vinyl Acetate	A	25.00	23.1	0.4335189	0.4011137		-7.5	30
Vinyl Acetate	A	25.00	23.1	0.4335189	0.4011137		-7.5	30
Vinyl Chloride	A	25.00	27.6	0.2269918	0.2508333		10.5	20
Vinyl Chloride	A	25.00	27.6	0.2269918	0.2508333		10.5	20
Xylene O	A	25.00	24.3	0.5723843	0.5563207		-2.8	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048287.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0073	Injection Date:	04/08/08
Lab Sample ID:	BRD0073-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Xylene O	A	25.00	24.3	0.5723843	0.5563207		-2.8	30
Xylene P,M	A	50.00	48.6	0.5618456	0.54597		-2.8	30
Xylene P,M	A	50.00	48.6	0.5618456	0.54597		-2.8	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048314.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0085	Injection Date:	04/09/08
Lab Sample ID:	BRD0085-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	25.00	26.1	0.3394603	0.3540712		4.3	30
1,1,1,2-Tetrachloroethane	A	25.00	26.1	0.3394603	0.3540712		4.3	30
1,1,1-Trichloroethane	A	25.00	25.9	0.3110596	0.3222105		3.6	30
1,1,1-Trichloroethane	A	25.00	25.9	0.3110596	0.3222105		3.6	30
1,1,2,2-Tetrachloroethane	A	25.00	25.5	0.8534852	0.8698593	0.3	1.9	30
1,1,2,2-Tetrachloroethane	A	25.00	25.5	0.8534852	0.8698593	0.3	1.9	30
1,1,2-Trichloroethane	A	25.00	24.8	0.196062	0.1947396		-0.7	30
1,1,2-Trichloroethane	A	25.00	24.8	0.196062	0.1947396		-0.7	30
1,1-Dichloroethane	A	25.00	26.3	0.4676268	0.4922002	0.1	5.3	30
1,1-Dichloroethane	A	25.00	26.3	0.4676268	0.4922002	0.1	5.3	30
1,1-Dichloroethene	A	25.00	24.9	0.244583	0.2433156		-0.5	20
1,1-Dichloroethene	A	25.00	24.9	0.244583	0.2433156		-0.5	20
1,1-Dichloropropene	A	25.00	26.0	0.348074	0.3622989		4.1	30
1,1-Dichloropropene	A	25.00	26.0	0.348074	0.3622989		4.1	30
1,2,3-Trichlorobenzene	A	25.00	21.4	0.5745021	0.4906695		-14.6	30
1,2,3-Trichlorobenzene	A	25.00	21.4	0.5745021	0.4906695		-14.6	30
1,2,3-Trichloropropane	A	25.00	25.8	0.6871129	0.7078173		3.0	30
1,2,3-Trichloropropane	A	25.00	25.8	0.6871129	0.7078173		3.0	30
1,2,4-Trichlorobenzene	A	25.00	23.6	0.6826864	0.6440799		-5.7	30
1,2,4-Trichlorobenzene	A	25.00	23.6	0.6826864	0.6440799		-5.7	30
1,2,4-Trimethylbenzene	A	25.00	26.0	2.038259	2.119408		4.0	30
1,2,4-Trimethylbenzene	A	25.00	26.0	2.038259	2.119408		4.0	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.6	7.312109E-02	7.497149E-02		2.5	30
1,2-Dibromo-3-Chloropropane	A	25.00	25.6	7.312109E-02	7.497149E-02		2.5	30
1,2-Dibromoethane	A	25.00	24.8	0.3324679	0.3293589		-0.9	30
1,2-Dibromoethane	A	25.00	24.8	0.3324679	0.3293589		-0.9	30
1,2-Dichlorobenzene	A	25.00	25.3	1.448399	1.46513		1.2	30
1,2-Dichlorobenzene	A	25.00	25.3	1.448399	1.46513		1.2	30
1,2-Dichloroethane	A	25.00	27.4	0.2286516	0.2504175		9.5	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048314.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0085	Injection Date:	04/09/08
Lab Sample ID:	BRD0085-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,2-Dichloroethane	A	25.00	27.4	0.2286516	0.2504175		9.5	30	
1,2-Dichloropropane	A	25.00	26.4	0.2781706	0.2940086		5.7	20	
1,2-Dichloropropane	A	25.00	26.4	0.2781706	0.2940086		5.7	20	
1,3,5-Trimethylbenzene	A	25.00	25.0	1.995331	1.999397		0.2	30	
1,3,5-Trimethylbenzene	A	25.00	25.0	1.995331	1.999397		0.2	30	
1,3-Dichlorobenzene	A	25.00	25.9	1.55689	1.61271		3.6	30	
1,3-Dichlorobenzene	A	25.00	25.9	1.55689	1.61271		3.6	30	
1,3-Dichloropropane	A	25.00	24.1	0.5134075	0.4957015		-3.4	30	
1,3-Dichloropropane	A	25.00	24.1	0.5134075	0.4957015		-3.4	30	
1,4-Dichlorobenzene	A	25.00	25.2	1.657544	1.672039		0.9	30	
1,4-Dichlorobenzene	A	25.00	25.2	1.657544	1.672039		0.9	30	
1,4-Dioxane - Screen	A	500.0	260	1.30114E-03	6.754629E-04		-48.1	30	*
1,4-Dioxane - Screen	A	500.0	260	1.30114E-03	6.754629E-04		-48.1	30	*
1-Chlorohexane	A	25.00	24.9	0.4165814	0.4146308		-0.5	30	
1-Chlorohexane	A	25.00	24.9	0.4165814	0.4146308		-0.5	30	
2,2-Dichloropropane	A	25.00	28.0	0.2771819	0.3105208		12.0	30	
2,2-Dichloropropane	A	25.00	28.0	0.2771819	0.3105208		12.0	30	
2-Butanone	A	125.0	125	1.587848E-02	1.582533E-02		-0.3	30	
2-Butanone	A	125.0	125	1.587848E-02	1.582533E-02		-0.3	30	
2-Chlorotoluene	A	25.00	25.0	2.194776	2.192088		-0.1	30	
2-Chlorotoluene	A	25.00	25.0	2.194776	2.192088		-0.1	30	
2-Hexanone	A	125.0	120	0.1589153	0.1527542		-3.9	30	
2-Hexanone	A	125.0	120	0.1589153	0.1527542		-3.9	30	
4-Chlorotoluene	A	25.00	24.8	2.26507	2.244184		-0.9	30	
4-Chlorotoluene	A	25.00	24.8	2.26507	2.244184		-0.9	30	
4-Isopropyltoluene	A	25.00	26.3	1.774982	1.865675		5.1	30	
4-Isopropyltoluene	A	25.00	26.3	1.774982	1.865675		5.1	30	
4-Methyl-2-Pentanone	A	125.0	129	5.596375E-02	5.770479E-02		3.1	30	
4-Methyl-2-Pentanone	A	125.0	129	5.596375E-02	5.770479E-02		3.1	30	

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048314.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0085	Injection Date:	04/09/08
Lab Sample ID:	BRD0085-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	125.0	127	5.864814E-03	5.965578E-03		1.7	30
Acetone	A	125.0	127	5.864814E-03	5.965578E-03		1.7	30
Benzene	A	25.00	25.2	1.100371	1.106852		0.6	30
Benzene	A	25.00	25.2	1.100371	1.106852		0.6	30
Bromobenzene	A	25.00	25.5	1.066193	1.086761		1.9	30
Bromobenzene	A	25.00	25.5	1.066193	1.086761		1.9	30
Bromochloromethane	A	25.00	25.4	0.1775582	0.1806808		1.8	30
Bromochloromethane	A	25.00	25.4	0.1775582	0.1806808		1.8	30
Bromodichloromethane	A	25.00	27.8	0.3418241	0.3655567		6.9	30
Bromodichloromethane	A	25.00	27.8	0.3418241	0.3655567		6.9	30
Bromoform	L	25.00	23.5	0.2299586	0.2465145	0.1	-6.2	30
Bromoform	L	25.00	23.5	0.2299586	0.2465145	0.1	-6.2	30
Bromomethane	A	25.00	21.4	0.2003193	0.1717255		-14.3	30
Bromomethane	A	25.00	21.4	0.2003193	0.1717255		-14.3	30
Carbon Disulfide	A	25.00	25.3	1.009735	1.021492		1.2	30
Carbon Disulfide	A	25.00	25.3	1.009735	1.021492		1.2	30
Carbon Tetrachloride	A	25.00	27.4	0.2494957	0.2735701		9.6	30
Carbon Tetrachloride	A	25.00	27.4	0.2494957	0.2735701		9.6	30
Chlorobenzene	A	25.00	24.7	1.014047	1.00201	0.3	-1.2	30
Chlorobenzene	A	25.00	24.7	1.014047	1.00201	0.3	-1.2	30
Chloroethane	A	25.00	27.6	0.1149597	0.1270513		10.5	30
Chloroethane	A	25.00	27.6	0.1149597	0.1270513		10.5	30
Chloroform	A	25.00	25.8	0.4976749	0.5138448		3.2	20
Chloroform	A	25.00	25.8	0.4976749	0.5138448		3.2	20
Chloromethane	A	25.00	23.7	0.3542793	0.3352203	0.1	-5.4	30
Chloromethane	A	25.00	23.7	0.3542793	0.3352203	0.1	-5.4	30
cis-1,2-Dichloroethene	A	25.00	25.5	0.3177882	0.3242394		2.0	30
cis-1,2-Dichloroethene	A	25.00	25.5	0.3177882	0.3242394		2.0	30
cis-1,3-Dichloropropene	A	25.00	27.3	0.3645374	0.3987091		9.4	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048314.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0085	Injection Date:	04/09/08
Lab Sample ID:	BRD0085-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
cis-1,3-Dichloropropene	A	25.00	27.3	0.3645374	0.3987091		9.4	30
Dibromochloromethane	L	25.00	24.4	0.3490035	0.3995325		-2.3	30
Dibromochloromethane	L	25.00	24.4	0.3490035	0.3995325		-2.3	30
Dibromomethane	A	25.00	25.3	0.1934236	0.1958915		1.3	30
Dibromomethane	A	25.00	25.3	0.1934236	0.1958915		1.3	30
Dichlorodifluoromethane	A	25.00	22.3	0.2637561	0.2353001		-10.8	30
Dichlorodifluoromethane	A	25.00	22.3	0.2637561	0.2353001		-10.8	30
Diethyl Ether	A	25.00	28.2	7.347477E-02	8.553842E-02		16.4	30
Diethyl Ether	A	25.00	28.2	7.347477E-02	8.553842E-02		16.4	30
Di-isopropyl ether	A	25.00	24.6	0.952768	0.9372876		-1.6	30
Di-isopropyl ether	A	25.00	24.6	0.952768	0.9372876		-1.6	30
Ethyl tertiary-butyl ether	A	25.00	26.2	0.6242981	0.653294		4.6	30
Ethyl tertiary-butyl ether	A	25.00	26.2	0.6242981	0.653294		4.6	30
Ethylbenzene	A	25.00	25.1	1.546959	1.554659		0.5	20
Ethylbenzene	A	25.00	25.1	1.546959	1.554659		0.5	20
Hexachlorobutadiene	A	25.00	23.6	0.2741554	0.2588779		-5.6	30
Hexachlorobutadiene	A	25.00	23.6	0.2741554	0.2588779		-5.6	30
Hexachloroethane	L	25.00	26.0	0.3517104	0.443425		3.9	30
Hexachloroethane	L	25.00	26.0	0.3517104	0.443425		3.9	30
Isopropylbenzene	A	25.00	25.3	2.591551	2.6244		1.3	30
Isopropylbenzene	A	25.00	25.3	2.591551	2.6244		1.3	30
Methyl tert-Butyl Ether	A	25.00	25.6	0.4654496	0.4756212		2.2	30
Methyl tert-Butyl Ether	A	25.00	25.6	0.4654496	0.4756212		2.2	30
Methylene Chloride	A	25.00	23.8	0.3472599	0.3307503		-4.8	30
Methylene Chloride	A	25.00	23.8	0.3472599	0.3307503		-4.8	30
Naphthalene	A	25.00	23.5	1.191446	1.117999		-6.2	30
Naphthalene	A	25.00	23.5	1.191446	1.117999		-6.2	30
n-Butylbenzene	A	25.00	25.9	1.688339	1.746423		3.4	30
n-Butylbenzene	A	25.00	25.9	1.688339	1.746423		3.4	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048314.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0085	Injection Date:	04/09/08
Lab Sample ID:	BRD0085-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
n-Propylbenzene	A	25.00	26.0	3.300052	3.432535		4.0	30
n-Propylbenzene	A	25.00	26.0	3.300052	3.432535		4.0	30
sec-Butylbenzene	A	25.00	25.4	2.229556	2.264584		1.6	30
sec-Butylbenzene	A	25.00	25.4	2.229556	2.264584		1.6	30
Styrene	A	25.00	24.6	0.9423163	0.9260484		-1.7	30
Styrene	A	25.00	24.6	0.9423163	0.9260484		-1.7	30
tert-Butylbenzene	A	25.00	26.1	1.529304	1.59844		4.5	30
tert-Butylbenzene	A	25.00	26.1	1.529304	1.59844		4.5	30
Tertiary-amyl methyl ether	A	25.00	24.8	0.552306	0.5472903		-0.9	30
Tertiary-amyl methyl ether	A	25.00	24.8	0.552306	0.5472903		-0.9	30
Tetrachloroethene	A	25.00	23.8	0.3592911	0.3415743		-4.9	30
Tetrachloroethene	A	25.00	23.8	0.3592911	0.3415743		-4.9	30
Tetrahydrofuran	A	25.00	21.6	4.153566E-02	3.602566E-02		-13.3	30
Tetrahydrofuran	A	25.00	21.6	4.153566E-02	3.602566E-02		-13.3	30
Toluene	A	25.00	25.1	0.6192587	0.6222533		0.5	20
Toluene	A	25.00	25.1	0.6192587	0.6222533		0.5	20
trans-1,2-Dichloroethene	A	25.00	24.9	0.2901774	0.2888068		-0.5	30
trans-1,2-Dichloroethene	A	25.00	24.9	0.2901774	0.2888068		-0.5	30
trans-1,3-Dichloropropene	L	25.00	25.1	0.2616513	0.3044592		0.2	30
trans-1,3-Dichloropropene	L	25.00	25.1	0.2616513	0.3044592		0.2	30
Trichloroethene	A	25.00	25.1	0.2948186	0.2963375		0.5	30
Trichloroethene	A	25.00	25.1	0.2948186	0.2963375		0.5	30
Trichlorofluoromethane	A	25.00	25.4	0.23909	0.2425544		1.4	30
Trichlorofluoromethane	A	25.00	25.4	0.23909	0.2425544		1.4	30
Vinyl Acetate	A	25.00	23.2	0.4335189	0.4025331		-7.1	30
Vinyl Acetate	A	25.00	23.2	0.4335189	0.4025331		-7.1	30
Vinyl Chloride	A	25.00	28.0	0.2269918	0.2537557		11.8	20
Vinyl Chloride	A	25.00	28.0	0.2269918	0.2537557		11.8	20
Xylene O	A	25.00	25.0	0.5723843	0.5727091		0.06	30

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Instrument ID:	VMS1	Calibration:	0804001
Lab File ID:	M1048314.D	Calibration Date:	03/31/08 00:00
Sequence:	BRD0085	Injection Date:	04/09/08
Lab Sample ID:	BRD0085-CCV1	Injection Time:	08:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Xylene O	A	25.00	25.0	0.5723843	0.5727091		0.06	30
Xylene P,M	A	50.00	50.6	0.5618456	0.5680474		1.1	30
Xylene P,M	A	50.00	50.6	0.5618456	0.5680474		1.1	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRC0282	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Cal Standard (BRC0282-CAL1)			Lab File ID: M1048143.D		Analyzed: 03/31/08 13:19			
1,2-Dichloroethane-d4	0.4000	105		9.28	9.288333	-0.0083	+/-1.0	
4-Bromofluorobenzene	0.4000	100		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	0.4000	88		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	0.4000	88		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL2)			Lab File ID: M1048144.D		Analyzed: 03/31/08 13:46			
1,2-Dichloroethane-d4	1.000	110		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	1.000	99		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	1.000	108		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	1.000	94		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL3)			Lab File ID: M1048145.D		Analyzed: 03/31/08 14:13			
1,2-Dichloroethane-d4	5.000	111		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	5.000	101		15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	5.000	103		8.76	8.768334	-0.0083	+/-1.0	
Toluene-d8	5.000	101		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL4)			Lab File ID: M1048146.D		Analyzed: 03/31/08 14:41			
1,2-Dichloroethane-d4	10.00	116		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	10.00	107		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	10.00	107		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	10.00	105		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL5)			Lab File ID: M1048147.D		Analyzed: 03/31/08 15:08			
1,2-Dichloroethane-d4	25.00	115		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	108		15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	25.00	108		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	103		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL6)			Lab File ID: M1048148.D		Analyzed: 03/31/08 15:36			
1,2-Dichloroethane-d4	50.00	112		9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	50.00	106		15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	50.00	105		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	50.00	104		12.5	12.5	0.0000	+/-1.0	
Cal Standard (BRC0282-CAL7)			Lab File ID: M1048149.D		Analyzed: 03/31/08 16:03			
1,2-Dichloroethane-d4	100.0	114		9.28	9.288333	-0.0083	+/-1.0	
4-Bromofluorobenzene	100.0	108		15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	100.0	109		8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	100.0	108		12.5	12.5	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0064	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (BRD0064-CCV1)			Lab File ID: M1048257.D		Analyzed: 04/07/08 08:52			
1,2-Dichloroethane-d4	25.00	116	0 - 200	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	0 - 200	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	110	0 - 200	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	95	0 - 200	12.5	12.5	0.0000	+/-1.0	
LCS (BD80709-BS1)			Lab File ID: M1048258.D		Analyzed: 04/07/08 09:46			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	108	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.5	12.5	0.0000	+/-1.0	
LCS Dup (BD80709-BSD1)			Lab File ID: M1048259.D		Analyzed: 04/07/08 10:14			
1,2-Dichloroethane-d4	25.00	114	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	25.00	108	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.5	12.5	0.0000	+/-1.0	
Blank (BD80709-BLK1)			Lab File ID: M1048262.D		Analyzed: 04/07/08 11:36			
1,2-Dichloroethane-d4	25.00	117	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	95	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 220S01 (0804037-04RE1)			Lab File ID: M1048272.D		Analyzed: 04/07/08 16:18			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.7	15.705	-0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 221S01 (0804037-05RE1)			Lab File ID: M1048273.D		Analyzed: 04/07/08 16:47			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 230S01 (0804037-10)			Lab File ID: M1048274.D		Analyzed: 04/07/08 17:14			
1,2-Dichloroethane-d4	25.00	113	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.5	12.5	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRD0064
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW 226S01 (0804037-11)			Lab File ID: M1048275.D		Analyzed: 04/07/08 17:42			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	96	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 229S01 (0804037-12)			Lab File ID: M1048276.D		Analyzed: 04/07/08 18:09			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.5	12.5	0.0000	+/-1.0	
MW 226D01 (0804037-13)			Lab File ID: M1048277.D		Analyzed: 04/07/08 18:37			
1,2-Dichloroethane-d4	25.00	109	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	96	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.5	12.5	0.0000	+/-1.0	
MW 227D01 (0804037-01)			Lab File ID: M1048279.D		Analyzed: 04/07/08 19:31			
1,2-Dichloroethane-d4	25.00	109	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.5	12.5	0.0000	+/-1.0	
MW 227S01 (0804037-02)			Lab File ID: M1048280.D		Analyzed: 04/07/08 19:59			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.5	12.5	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0073	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW 221S01 (0804037-05)			Lab File ID: M1048305.D		Analyzed: 04/07/08 16:47			
1,2-Dichloroethane-d4	25.00	113	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	94	70 - 130	12.5	12.5	0.0000	+/-1.0	
Calibration Check (BRD0073-CCV1)			Lab File ID: M1048287.D		Analyzed: 04/08/08 08:54			
1,2-Dichloroethane-d4	25.00	109	0 - 200	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	95	0 - 200	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	0 - 200	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	94	0 - 200	12.5	12.5	0.0000	+/-1.0	
LCS (BD80807-BS1)			Lab File ID: M1048288.D		Analyzed: 04/08/08 09:48			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	107	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	100	70 - 130	12.5	12.5	0.0000	+/-1.0	
LCS Dup (BD80807-BSD1)			Lab File ID: M1048289.D		Analyzed: 04/08/08 10:16			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	96	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	107	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.5	12.5	0.0000	+/-1.0	
Blank (BD80807-BLK1)			Lab File ID: M1048292.D		Analyzed: 04/08/08 11:39			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	96	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.5	12.5	0.0000	+/-1.0	
MW 227S01 (0804037-02RE1)			Lab File ID: M1048295.D		Analyzed: 04/08/08 13:06			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.5	12.5	0.0000	+/-1.0	
MW 227S01 Dup (0804037-03)			Lab File ID: M1048306.D		Analyzed: 04/08/08 13:35			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.51	12.5	0.0100	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRD0073
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW 227S01 Dup (0804037-03RE1)			Lab File ID: M1048296.D		Analyzed: 04/08/08 13:35			
1,2-Dichloroethane-d4	25.00	113	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 230S01 (0804037-10RE1)			Lab File ID: M1048297.D		Analyzed: 04/08/08 14:04			
1,2-Dichloroethane-d4	25.00	114	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	95	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	107	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 226S01 (0804037-11RE1)			Lab File ID: M1048298.D		Analyzed: 04/08/08 14:34			
1,2-Dichloroethane-d4	25.00	109	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	93	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	104	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 229S01 (0804037-12RE1)			Lab File ID: M1048299.D		Analyzed: 04/08/08 15:03			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	93	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	104	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.5	12.5	0.0000	+/-1.0	
Equipment Blank (0804037-14)			Lab File ID: M1048300.D		Analyzed: 04/08/08 15:30			
1,2-Dichloroethane-d4	25.00	114	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 230D01 (0804037-09)			Lab File ID: M1048307.D		Analyzed: 04/08/08 15:59			
1,2-Dichloroethane-d4	25.00	107	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	100	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 230D01 (0804037-09RE1)			Lab File ID: M1048301.D		Analyzed: 04/08/08 15:59			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	95	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.5	12.5	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRD0073
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW 227D01 (0804037-01RE1)			Lab File ID: M1048302.D		Analyzed: 04/08/08 16:29			
1,2-Dichloroethane-d4	25.00	114	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	94	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 226D01 (0804037-13RE1)			Lab File ID: M1048303.D		Analyzed: 04/08/08 16:58			
1,2-Dichloroethane-d4	25.00	113	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	96	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.5	12.5	0.0000	+/-1.0	
MW 228S01 (0804037-07)			Lab File ID: M1048308.D		Analyzed: 04/08/08 17:27			
1,2-Dichloroethane-d4	25.00	108	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 228S01 (0804037-07RE1)			Lab File ID: M1048304.D		Analyzed: 04/08/08 17:27			
1,2-Dichloroethane-d4	25.00	114	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	92	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	106	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	94	70 - 130	12.51	12.5	0.0100	+/-1.0	
Matrix Spike (BD80807-MS1)			Lab File ID: M1048309.D		Analyzed: 04/08/08 19:44			
1,2-Dichloroethane-d4	25.00	105	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.51	12.5	0.0100	+/-1.0	
Matrix Spike Dup (BD80807-MSD1)			Lab File ID: M1048310.D		Analyzed: 04/08/08 20:11			
1,2-Dichloroethane-d4	25.00	104	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.5	12.5	0.0000	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0085	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW 220S01 (0804037-04)			Lab File ID: M1048322.D		Analyzed: 04/07/08 16:18			
1,2-Dichloroethane-d4	25.00	110	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	95	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	94	70 - 130	12.51	12.5	0.0100	+/-1.0	
Calibration Check (BRD0085-CCV1)			Lab File ID: M1048314.D		Analyzed: 04/09/08 08:54			
1,2-Dichloroethane-d4	25.00	106	0 - 200	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	97	0 - 200	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	104	0 - 200	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	97	0 - 200	12.51	12.5	0.0100	+/-1.0	
LCS (BD80909-BS1)			Lab File ID: M1048315.D		Analyzed: 04/09/08 09:49			
1,2-Dichloroethane-d4	25.00	111	70 - 130	9.29	9.288333	0.0017	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.77	8.768334	0.0017	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.5	12.5	0.0000	+/-1.0	
LCS Dup (BD80909-BSD1)			Lab File ID: M1048316.D		Analyzed: 04/09/08 10:16			
1,2-Dichloroethane-d4	25.00	107	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	99	70 - 130	12.51	12.5	0.0100	+/-1.0	
Blank (BD80909-BLK1)			Lab File ID: M1048319.D		Analyzed: 04/09/08 11:38			
1,2-Dichloroethane-d4	25.00	110	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	99	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	96	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 228D01 (0804037-06)			Lab File ID: M1048323.D		Analyzed: 04/09/08 12:08			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	96	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	105	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	97	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 228D01 (0804037-06RE1)			Lab File ID: M1048320.D		Analyzed: 04/09/08 12:08			
1,2-Dichloroethane-d4	25.00	109	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	98	70 - 130	15.72	15.705	0.0150	+/-1.0	
Dibromofluoromethane	25.00	102	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.51	12.5	0.0100	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0085	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
MW 228S01 Dup (0804037-08)			Lab File ID: M1048324.D		Analyzed: 04/09/08 12:37			
1,2-Dichloroethane-d4	25.00	112	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	96	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	103	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	98	70 - 130	12.51	12.5	0.0100	+/-1.0	
MW 228S01 Dup (0804037-08RE1)			Lab File ID: M1048321.D		Analyzed: 04/09/08 12:37			
1,2-Dichloroethane-d4	25.00	109	70 - 130	9.3	9.288333	0.0117	+/-1.0	
4-Bromofluorobenzene	25.00	97	70 - 130	15.71	15.705	0.0050	+/-1.0	
Dibromofluoromethane	25.00	101	70 - 130	8.78	8.768334	0.0117	+/-1.0	
Toluene-d8	25.00	95	70 - 130	12.51	12.5	0.0100	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRC0282
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (BRC0282-CAL1)			Lab File ID: M1048143.D			Analyzed: 03/31/08 13:19			
Fluorobenzene	2903750	10.2	2902131	10.21	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1888743	14.39	1933446	14.39	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	827756	17.06	873844	17.07	95	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL2)			Lab File ID: M1048144.D			Analyzed: 03/31/08 13:46			
Fluorobenzene	2793172	10.2	2902131	10.21	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1901669	14.38	1933446	14.39	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	842245	17.06	873844	17.07	96	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL3)			Lab File ID: M1048145.D			Analyzed: 03/31/08 14:13			
Fluorobenzene	2902131	10.21	2902131	10.21	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1933446	14.39	1933446	14.39	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	873844	17.07	873844	17.07	100	50 - 200	0.0000	+/-0.50	
Cal Standard (BRC0282-CAL4)			Lab File ID: M1048146.D			Analyzed: 03/31/08 14:41			
Fluorobenzene	2833400	10.2	2902131	10.21	98	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	1916324	14.38	1933446	14.39	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	866072	17.06	873844	17.07	99	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL5)			Lab File ID: M1048147.D			Analyzed: 03/31/08 15:08			
Fluorobenzene	2791359	10.21	2902131	10.21	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1922125	14.38	1933446	14.39	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	884195	17.06	873844	17.07	101	50 - 200	-0.0100	+/-0.50	
Cal Standard (BRC0282-CAL6)			Lab File ID: M1048148.D			Analyzed: 03/31/08 15:36			
Fluorobenzene	3000382	10.21	2902131	10.21	103	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2021748	14.38	1933446	14.39	105	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	949074	17.07	873844	17.07	109	50 - 200	0.0000	+/-0.50	
Cal Standard (BRC0282-CAL7)			Lab File ID: M1048149.D			Analyzed: 03/31/08 16:03			
Fluorobenzene	2954066	10.21	2902131	10.21	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1995327	14.39	1933446	14.39	103	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	917466	17.07	873844	17.07	105	50 - 200	0.0000	+/-0.50	
Secondary Cal Check (BRC0282-SCV1)			Lab File ID: M1048152.D			Analyzed: 03/31/08 17:25			
Fluorobenzene	2751883	10.21	2902131	10.21	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	1858478	14.38	1933446	14.39	96	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	830778	17.07	873844	17.07	95	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRD0064
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (BRD0064-CCV1)			Lab File ID: M1048257.D			Analyzed: 04/07/08 08:52			
Fluorobenzene	3449327	10.21				50 - 200		+/-0.50	
Chlorobenzene-d5	2561062	14.39				50 - 200		+/-0.50	
1,4-Dichlorobenzene-D4	1163116	17.07				50 - 200		+/-0.50	
LCS (BD80709-BS1)			Lab File ID: M1048258.D			Analyzed: 04/07/08 09:46			
Fluorobenzene	3389863	10.21	3449327	10.21	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2391170	14.39	2561062	14.39	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1086647	17.06	1163116	17.07	93	50 - 200	-0.0100	+/-0.50	
LCS Dup (BD80709-BSD1)			Lab File ID: M1048259.D			Analyzed: 04/07/08 10:14			
Fluorobenzene	3397309	10.21	3449327	10.21	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2488631	14.38	2561062	14.39	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1101361	17.07	1163116	17.07	95	50 - 200	0.0000	+/-0.50	
Blank (BD80709-BLK1)			Lab File ID: M1048262.D			Analyzed: 04/07/08 11:36			
Fluorobenzene	3098883	10.21	3449327	10.21	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2306435	14.39	2561062	14.39	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1041693	17.07	1163116	17.07	90	50 - 200	0.0000	+/-0.50	
MW 220S01 (0804037-04RE1)			Lab File ID: M1048272.D			Analyzed: 04/07/08 16:18			
Fluorobenzene	3413100	10.21	3449327	10.21	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2615456	14.39	2561062	14.39	102	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1227371	17.07	1163116	17.07	106	50 - 200	0.0000	+/-0.50	
MW 221S01 (0804037-05RE1)			Lab File ID: M1048273.D			Analyzed: 04/07/08 16:47			
Fluorobenzene	3214094	10.21	3449327	10.21	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2474136	14.39	2561062	14.39	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1147151	17.07	1163116	17.07	99	50 - 200	0.0000	+/-0.50	
MW 230S01 (0804037-10)			Lab File ID: M1048274.D			Analyzed: 04/07/08 17:14			
Fluorobenzene	3273232	10.21	3449327	10.21	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2568016	14.39	2561062	14.39	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1165081	17.06	1163116	17.07	100	50 - 200	-0.0100	+/-0.50	
MW 226S01 (0804037-11)			Lab File ID: M1048275.D			Analyzed: 04/07/08 17:42			
Fluorobenzene	3435292	10.21	3449327	10.21	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2646498	14.38	2561062	14.39	103	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1213731	17.07	1163116	17.07	104	50 - 200	0.0000	+/-0.50	
MW 229S01 (0804037-12)			Lab File ID: M1048276.D			Analyzed: 04/07/08 18:09			
Fluorobenzene	3285252	10.21	3449327	10.21	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2494707	14.38	2561062	14.39	97	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1161640	17.06	1163116	17.07	100	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRD0064
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW 226D01 (0804037-13)			Lab File ID: M1048277.D			Analyzed: 04/07/08 18:37			
Fluorobenzene	3382560	10.21	3449327	10.21	98	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2571602	14.38	2561062	14.39	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1155234	17.06	1163116	17.07	99	50 - 200	-0.0100	+/-0.50	
MW 227D01 (0804037-01)			Lab File ID: M1048279.D			Analyzed: 04/07/08 19:31			
Fluorobenzene	3097349	10.21	3449327	10.21	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2329472	14.39	2561062	14.39	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1062024	17.07	1163116	17.07	91	50 - 200	0.0000	+/-0.50	
MW 227S01 (0804037-02)			Lab File ID: M1048280.D			Analyzed: 04/07/08 19:59			
Fluorobenzene	3216284	10.21	3449327	10.21	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2382828	14.39	2561062	14.39	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1082537	17.06	1163116	17.07	93	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRD0073
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW 221S01 (0804037-05)			Lab File ID: M1048305.D			Analyzed: 04/07/08 16:47			
Fluorobenzene	2768005	10.21	3292493	10.21	84	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2069035	14.39	2376613	14.39	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	996513	17.07	1058187	17.06	94	50 - 200	0.0100	+/-0.50	
Calibration Check (BRD0073-CCV1)			Lab File ID: M1048287.D			Analyzed: 04/08/08 08:54			
Fluorobenzene	3292493	10.21				50 - 200		+/-0.50	
Chlorobenzene-d5	2376613	14.39				50 - 200		+/-0.50	
1,4-Dichlorobenzene-D4	1058187	17.06				50 - 200		+/-0.50	
LCS (BD80807-BS1)			Lab File ID: M1048288.D			Analyzed: 04/08/08 09:48			
Fluorobenzene	3108533	10.21	3292493	10.21	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2177352	14.39	2376613	14.39	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	984567	17.06	1058187	17.06	93	50 - 200	0.0000	+/-0.50	
LCS Dup (BD80807-BSD1)			Lab File ID: M1048289.D			Analyzed: 04/08/08 10:16			
Fluorobenzene	3051022	10.21	3292493	10.21	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2190990	14.38	2376613	14.39	92	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	964407	17.07	1058187	17.06	91	50 - 200	0.0100	+/-0.50	
Blank (BD80807-BLK1)			Lab File ID: M1048292.D			Analyzed: 04/08/08 11:39			
Fluorobenzene	3146506	10.21	3292493	10.21	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2294869	14.39	2376613	14.39	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1053094	17.07	1058187	17.06	100	50 - 200	0.0100	+/-0.50	
MW 227S01 (0804037-02RE1)			Lab File ID: M1048295.D			Analyzed: 04/08/08 13:06			
Fluorobenzene	3156459	10.21	3292493	10.21	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2335323	14.39	2376613	14.39	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1049941	17.07	1058187	17.06	99	50 - 200	0.0100	+/-0.50	
MW 227S01 Dup (0804037-03)			Lab File ID: M1048306.D			Analyzed: 04/08/08 13:35			
Fluorobenzene	2903074	10.22	3292493	10.21	88	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	2136745	14.39	2376613	14.39	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1012607	17.07	1058187	17.06	96	50 - 200	0.0100	+/-0.50	
MW 227S01 Dup (0804037-03RE1)			Lab File ID: M1048296.D			Analyzed: 04/08/08 13:35			
Fluorobenzene	2888023	10.21	3292493	10.21	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2149492	14.39	2376613	14.39	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	977165	17.07	1058187	17.06	92	50 - 200	0.0100	+/-0.50	
MW 230S01 (0804037-10RE1)			Lab File ID: M1048297.D			Analyzed: 04/08/08 14:04			
Fluorobenzene	2940993	10.22	3292493	10.21	89	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	2215335	14.39	2376613	14.39	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	993014	17.07	1058187	17.06	94	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Sequence: BRD0073
Instrument: VMS1
Matrix: Aqueous
Calibration: 0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW 226S01 (0804037-11RE1)			Lab File ID: M1048298.D			Analyzed: 04/08/08 14:34			
Fluorobenzene	2857814	10.22	3292493	10.21	87	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	2154705	14.39	2376613	14.39	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	954716	17.07	1058187	17.06	90	50 - 200	0.0100	+/-0.50	
MW 229S01 (0804037-12RE1)			Lab File ID: M1048299.D			Analyzed: 04/08/08 15:03			
Fluorobenzene	3007251	10.22	3292493	10.21	91	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	2222758	14.39	2376613	14.39	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1010201	17.07	1058187	17.06	95	50 - 200	0.0100	+/-0.50	
Equipment Blank (0804037-14)			Lab File ID: M1048300.D			Analyzed: 04/08/08 15:30			
Fluorobenzene	2879987	10.21	3292493	10.21	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2132739	14.39	2376613	14.39	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	972818	17.07	1058187	17.06	92	50 - 200	0.0100	+/-0.50	
MW 230D01 (0804037-09)			Lab File ID: M1048307.D			Analyzed: 04/08/08 15:59			
Fluorobenzene	3086659	10.22	3292493	10.21	94	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	2233734	14.39	2376613	14.39	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1019755	17.07	1058187	17.06	96	50 - 200	0.0100	+/-0.50	
MW 230D01 (0804037-09RE1)			Lab File ID: M1048301.D			Analyzed: 04/08/08 15:59			
Fluorobenzene	2877893	10.21	3292493	10.21	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2109391	14.39	2376613	14.39	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	945203	17.07	1058187	17.06	89	50 - 200	0.0100	+/-0.50	
MW 227D01 (0804037-01RE1)			Lab File ID: M1048302.D			Analyzed: 04/08/08 16:29			
Fluorobenzene	2846210	10.21	3292493	10.21	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2096603	14.39	2376613	14.39	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	956004	17.07	1058187	17.06	90	50 - 200	0.0100	+/-0.50	
MW 226D01 (0804037-13RE1)			Lab File ID: M1048303.D			Analyzed: 04/08/08 16:58			
Fluorobenzene	2869503	10.22	3292493	10.21	87	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	2100432	14.39	2376613	14.39	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	952831	17.07	1058187	17.06	90	50 - 200	0.0100	+/-0.50	
MW 228S01 (0804037-07)			Lab File ID: M1048308.D			Analyzed: 04/08/08 17:27			
Fluorobenzene	2906630	10.21	3292493	10.21	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2149164	14.39	2376613	14.39	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	986280	17.07	1058187	17.06	93	50 - 200	0.0100	+/-0.50	
MW 228S01 (0804037-07RE1)			Lab File ID: M1048304.D			Analyzed: 04/08/08 17:27			
Fluorobenzene	2840065	10.22	3292493	10.21	86	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	2156418	14.4	2376613	14.39	91	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	958933	17.07	1058187	17.06	91	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0073	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (BD80807-MS1)			Lab File ID: M1048309.D			Analyzed: 04/08/08 19:44			
Fluorobenzene	3125133	10.21	3292493	10.21	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2299342	14.39	2376613	14.39	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1095113	17.07	1058187	17.06	103	50 - 200	0.0100	+/-0.50	
Matrix Spike Dup (BD80807-MSD1)			Lab File ID: M1048310.D			Analyzed: 04/08/08 20:11			
Fluorobenzene	3178450	10.21	3292493	10.21	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2279079	14.39	2376613	14.39	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1083803	17.07	1058187	17.06	102	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRD0085	Instrument:	VMS1
Matrix:	Aqueous	Calibration:	0804001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
MW 220S01 (0804037-04)			Lab File ID: M1048322.D			Analyzed: 04/07/08 16:18			
Fluorobenzene	3152477	10.22	3429944	10.22	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2331058	14.4	2419813	14.39	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1040323	17.07	1056695	17.07	98	50 - 200	0.0000	+/-0.50	
Calibration Check (BRD0085-CCV1)			Lab File ID: M1048314.D			Analyzed: 04/09/08 08:54			
Fluorobenzene	3429944	10.22				50 - 200		+/-0.50	
Chlorobenzene-d5	2419813	14.39				50 - 200		+/-0.50	
1,4-Dichlorobenzene-D4	1056695	17.07				50 - 200		+/-0.50	
LCS (BD80909-BS1)			Lab File ID: M1048315.D			Analyzed: 04/09/08 09:49			
Fluorobenzene	3409147	10.22	3429944	10.22	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2368807	14.39	2419813	14.39	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1031346	17.07	1056695	17.07	98	50 - 200	0.0000	+/-0.50	
LCS Dup (BD80909-BSD1)			Lab File ID: M1048316.D			Analyzed: 04/09/08 10:16			
Fluorobenzene	3382140	10.21	3429944	10.22	99	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	2354600	14.39	2419813	14.39	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1040451	17.07	1056695	17.07	98	50 - 200	0.0000	+/-0.50	
Blank (BD80909-BLK1)			Lab File ID: M1048319.D			Analyzed: 04/09/08 11:38			
Fluorobenzene	3201761	10.22	3429944	10.22	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2348120	14.39	2419813	14.39	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1073004	17.07	1056695	17.07	102	50 - 200	0.0000	+/-0.50	
MW 228D01 (0804037-06)			Lab File ID: M1048323.D			Analyzed: 04/09/08 12:08			
Fluorobenzene	3031784	10.22	3429944	10.22	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2259342	14.4	2419813	14.39	93	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1034705	17.08	1056695	17.07	98	50 - 200	0.0100	+/-0.50	
MW 228D01 (0804037-06RE1)			Lab File ID: M1048320.D			Analyzed: 04/09/08 12:08			
Fluorobenzene	3242636	10.22	3429944	10.22	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2334801	14.4	2419813	14.39	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1082053	17.07	1056695	17.07	102	50 - 200	0.0000	+/-0.50	
MW 228S01 Dup (0804037-08)			Lab File ID: M1048324.D			Analyzed: 04/09/08 12:37			
Fluorobenzene	3183186	10.22	3429944	10.22	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2304911	14.39	2419813	14.39	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-D4	1082064	17.07	1056695	17.07	102	50 - 200	0.0000	+/-0.50	
MW 228S01 Dup (0804037-08RE1)			Lab File ID: M1048321.D			Analyzed: 04/09/08 12:37			
Fluorobenzene	3232495	10.22	3429944	10.22	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	2365689	14.4	2419813	14.39	98	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-D4	1076149	17.08	1056695	17.07	102	50 - 200	0.0100	+/-0.50	

INITIAL CALIBRATION STANDARDS

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Sequence:	BRC0282	Instrument:	VMS1
Calibration:	0804001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
8C31047	8260 BFB Tune @ 5ppb MS-1 AQ	BRC0282-TUN1	M1048142.D	03/31/08 11:35
8C31048	8260 ICAL1 MS-1 AQ	BRC0282-CAL1	M1048143.D	03/31/08 13:19
8C31049	8260 ICAL2 MS-1 AQ	BRC0282-CAL2	M1048144.D	03/31/08 13:46
8C31050	8260 ICAL3 MS-1 AQ	BRC0282-CAL3	M1048145.D	03/31/08 14:13
8C31051	8260 ICAL4 MS-1 AQ	BRC0282-CAL4	M1048146.D	03/31/08 14:41
8C31052	8260 ICAL5 MS-1 AQ	BRC0282-CAL5	M1048147.D	03/31/08 15:08
8C31053	8260 ICAL6 MS-1 AQ	BRC0282-CAL6	M1048148.D	03/31/08 15:36
8C31054	8260 ICAL7 MS-1 AQ	BRC0282-CAL7	M1048149.D	03/31/08 16:03
8C31055	8260 SCV1 MS-1 AQ	BRC0282-SCV1	M1048152.D	03/31/08 17:25

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Lab File ID:	M1048142.D	Injection Date:	03/31/08
Instrument ID:	VMS1	Injection Time:	11:35
Sequence:	BRC0282	Lab Sample ID:	BRC0282-TUN1
Calibration:	0804001		

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
96	5 - 9% of 95	6.88	PASS
95	Base peak, 100% relative abundance	100	PASS
75	30 - 60% of 95	39	PASS
50	15 - 40% of 95	17.1	PASS
177	5 - 9% of 176	6.88	PASS
176	95 - 101% of 174	97.3	PASS
175	5 - 9% of 174	7.46	PASS
174	50 - 100% of 95	76.2	PASS
173	Less than 2% of 174	0	PASS

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	0.4	~~0.2897099~~	1	0.3091101	5	0.3144851	10	0.3405818	25	0.3450525	50	0.3528291
1,1,1-Trichloroethane	0.4	~~0.2724279~~	1	0.302425	5	0.28911	10	0.3184937	25	0.317804	50	0.3098939
1,1,2,2-Tetrachloroethane	0.4	0.8372032	1	0.7591318	5	0.8408766	10	0.9031726	25	0.8819717	50	0.8706307
1,1,2-Trichloroethane	0.4	~~0.1494619~~	1	0.1852106	5	0.1880618	10	0.1992959	25	0.1994333	50	0.1987107
1,1-Dichloroethane	0.4	~~0.3967068~~	1	0.4710505	5	0.4502726	10	0.4769111	25	0.4707703	50	0.4638809
1,1-Dichloroethene	0.4	~~0.2085019~~	1	0.2410163	5	0.2396153	10	0.2440681	25	0.2470657	50	0.2435022
1,1-Dichloropropene	0.4	~~0.2941885~~	1	0.3369646	5	0.3296181	10	0.3583116	25	0.3502394	50	0.3503859
1,2,3-Trichlorobenzene	0.4	~~0.6137074~~	1	0.574625	5	0.5141593	10	0.588626	25	0.5825683	50	0.5734848
1,2,3-Trichloropropane	0.4	~~0.572859~~	1	0.6078398	5	0.642546	10	0.7026927	25	0.7000854	50	0.7119355
1,2,4-Trichlorobenzene	0.4	~~0.7129214~~	1	0.623245	5	0.6253977	10	0.6980597	25	0.702923	50	0.6971306
1,2,4-Trimethylbenzene	0.4	~~1.776867~~	1	1.878343	5	1.905987	10	2.153811	25	2.079082	50	2.048629
1,2-Dibromo-3-Chloropropane	0.4		1	~~4.811545E-02~~	5	6.842755E-02	10	6.774552E-02	25	0.0727905	50	7.654356E-02
1,2-Dibromoethane	0.4	~~0.2778965~~	1	0.3031022	5	0.3150075	10	0.3379008	25	0.3373163	50	0.3438384
1,2-Dichlorobenzene	0.4	~~1.327384~~	1	1.442158	5	1.391827	10	1.506809	25	1.438983	50	1.415937
1,2-Dichloroethane	0.4	~~0.1844167~~	1	0.2065125	5	0.2235581	10	0.2399273	25	0.2360288	50	0.2301767
1,2-Dichloropropane	0.4	~~0.2379681~~	1	0.2631238	5	0.2676482	10	0.2845962	25	0.2837052	50	0.2799197
1,3,5-Trimethylbenzene	0.4	~~1.78102~~	1	1.873653	5	1.891087	10	2.101318	25	2.013459	50	1.979096
1,3-Dichlorobenzene	0.4	~~1.44638~~	1	1.480686	5	1.50813	10	1.622787	25	1.554802	50	1.539555
1,3-Dichloropropane	0.4	~~0.4482809~~	1	0.4671949	5	0.5079144	10	0.526054	25	0.5198731	50	0.5222548
1,4-Dichlorobenzene	0.4	~~1.525057~~	1	1.611437	5	1.611277	10	1.745219	25	1.644793	50	1.629797
1,4-Dioxane - Screen	8		20	9.456095E-04	100	1.254681E-03	200	1.349748E-03	500	1.363834E-03	1000	1.392314E-03
1-Chlorohexane	0.4	~~0.3465268~~	1	0.3560951	5	0.3823588	10	0.4264049	25	0.4326722	50	0.4395046
2,2-Dichloropropane	0.4	~~0.2301334~~	1	0.2733362	5	0.257671	10	0.2785796	25	0.2790308	50	0.2823084
2-Butanone	2	~~1.028842E-02~~	5	1.424366E-02	25	1.441286E-02	50	0.0160648	125	1.668513E-02	250	1.673044E-02
2-Chlorotoluene	0.4	~~1.895864~~	1	2.12364	5	2.14675	10	2.313321	25	2.196704	50	2.148722
2-Hexanone	2	~~9.812743E-02~~	5	0.1386729	25	0.1485638	50	0.1578436	125	0.1667514	250	0.1686262
4-Chlorotoluene	0.4	~~1.935655~~	1	2.261189	5	2.172785	10	2.36812	25	2.239705	50	2.223666
4-Isopropyltoluene	0.4	~~1.522339~~	1	1.699951	5	1.647142	10	1.854136	25	1.787989	50	1.778347
4-Methyl-2-Pentanone	2	~~3.944468E-02~~	5	4.681953E-02	25	5.045568E-02	50	5.666973E-02	125	0.0600223	250	6.078636E-02
Acetone	2	~~4.472665E-03~~	5	~~8.046407E-03~~	25	6.001107E-03	50	5.384167E-03	125	6.361704E-03	250	5.702141E-03
Benzene	0.4	~~0.9643995~~	1	1.103906	5	1.075978	10	1.126629	25	1.105865	50	1.086058

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Bromobenzene	0.4	~~0.9322645~~	1	1.03138	5	1.030247	10	1.11112	25	1.064116	50	1.05527
Bromochloromethane	0.4	~~0.159901~~	1	0.1765376	5	0.1705747	10	0.1848098	25	0.1803154	50	0.1756761
Bromodichloromethane	0.4	~~0.2507103~~	1	0.2847659	5	0.3162624	10	0.3516085	25	0.3563784	50	0.3622219
Bromoform	0.4	~~0.1593652~~	1	0.1614371	5	0.1940706	10	0.2276363	25	0.2428474	50	0.2666205
Bromomethane	0.4	~~0.2817693~~	1	0.2216118	5	0.1690861	10	0.1817198	25	0.1892974	50	0.2070321
Carbon Disulfide	0.4	~~0.8517004~~	1	0.9437389	5	0.9630802	10	1.028771	25	1.038292	50	1.030965
Carbon Tetrachloride	0.4	~~0.1807792~~	1	0.2113099	5	0.2376719	10	0.253704	25	0.2547379	50	0.2602899
Chlorobenzene	0.4	~~0.9338883~~	1	1.006774	5	0.976937	10	1.048164	25	1.007477	50	1.005309
Chloroethane	0.4	~~0.1266896~~	1	0.1170264	5	0.1169106	10	0.1181937	25	0.1159041	50	0.1091649
Chloroform	0.4	~~0.3771201~~	1	0.4588153	5	0.4862479	10	0.5184707	25	0.5087024	50	0.5010062
Chloromethane	0.4	~~0.3849333~~	1	0.3757287	5	0.3682656	10	0.389682	25	0.3627344	50	0.321896
cis-1,2-Dichloroethene	0.4	~~0.2888937~~	1	0.3039645	5	0.3079099	10	0.3284905	25	0.3207022	50	0.319017
cis-1,3-Dichloropropene	0.4	0.2767972	1	0.3135951	5	0.3514693	10	0.3894111	25	0.3917035	50	0.404376
Dibromochloromethane	0.4	0.2185647	1	0.2970943	5	0.3286438	10	0.3699922	25	0.3959238	50	0.4047077
Dibromomethane	0.4	~~0.1634094~~	1	0.1751951	5	0.184654	10	0.2023302	25	0.1985108	50	0.1973197
Dichlorodifluoromethane	0.4	~~0.244576~~	1	0.2657821	5	0.2497596	10	0.2596889	25	0.2637937	50	0.2634118
Diethyl Ether	0.4	~~5.411106E-02~~	1	6.300185E-02	5	7.400424E-02	10	7.858492E-02	25	7.830809E-02	50	~~7.905827E-02~~
Di-isopropyl ether	0.4	~~0.862204~~	1	0.9295793	5	0.9170296	10	0.9824186	25	0.9716163	50	0.9456558
Ethyl tertiary-butyl ether	0.4	~~0.5279595~~	1	0.600151	5	0.6076862	10	0.6482583	25	0.6388462	50	0.6172211
Ethylbenzene	0.4	~~1.350799~~	1	1.45204	5	1.527164	10	1.617781	25	1.559989	50	1.590754
Hexachlorobutadiene	0.4	0.289563	1	0.2693397	5	0.2444258	10	0.286841	25	0.2640594	50	0.2697045
Hexachloroethane	0.4	0.232934	1	0.2875351	5	0.300271	10	0.365853	25	0.3824767	50	0.4221141
Isopropylbenzene	0.4	~~2.196601~~	1	2.395443	5	2.475871	10	2.753408	25	2.673287	50	2.580024
Methyl tert-Butyl Ether	0.4	~~0.4304348~~	1	0.4443604	5	0.451911	10	0.4739491	25	0.4787274	50	0.4698235
Methylene Chloride	0.4	~~0.4003874~~	1	0.4009778	5	0.3364407	10	0.3446151	25	0.3369807	50	0.3292244
Naphthalene	0.4	~~1.159158~~	1	1.047201	5	1.07383	10	1.233942	25	1.252166	50	1.23232
n-Butylbenzene	0.4	~~1.446456~~	1	1.519748	5	1.559443	10	1.744832	25	1.717427	50	1.737496
n-Propylbenzene	0.4	~~2.949918~~	1	3.105688	5	3.220569	10	3.496773	25	3.387021	50	3.384271
sec-Butylbenzene	0.4	~~1.964649~~	1	2.021858	5	2.147157	10	2.338527	25	2.252544	50	2.236742
Styrene	0.4	~~0.7227691~~	1	0.8102751	5	0.8816693	10	0.9796556	25	0.9786991	50	0.9829365
tert-Butylbenzene	0.4	~~1.39179~~	1	1.464123	5	1.471475	10	1.597604	25	1.530995	50	1.499314

INITIAL CALIBRATION DATA

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Tertiary-amyl methyl ether	0.4	~~0.472557~~	1	0.5463949	5	0.5240339	10	0.5632429	25	0.5628506	50	0.5521424
Tetrachloroethene	0.4	~~0.293052~~	1	0.3527691	5	0.3481426	10	0.3621856	25	0.3581916	50	0.3605484
Tetrahydrofuran	0.4	~~0.0393672~~	1	4.344523E-02	5	3.992583E-02	10	3.966436E-02	25	4.236467E-02	50	4.031787E-02
Toluene	0.4	~~0.5227723~~	1	0.5815073	5	0.6023074	10	0.6391032	25	0.6356098	50	0.6142193
trans-1,2-Dichloroethene	0.4	~~0.2410676~~	1	0.2678048	5	0.2804732	10	0.3043675	25	0.2943548	50	0.2925564
trans-1,3-Dichloropropene	0.4	0.1723203	1	0.2239121	5	0.2463328	10	0.2776629	25	0.2958437	50	0.2980086
Trichloroethene	0.4	~~0.2609557~~	1	0.2984421	5	0.2804508	10	0.3086601	25	0.2964094	50	0.2854921
Trichlorofluoromethane	0.4	~~0.1866337~~	1	0.231878	5	0.2321518	10	0.2493285	25	0.2409618	50	0.2353494
Vinyl Acetate	0.4	~~0.3865045~~	1	0.4018639	5	0.3936245	10	0.4331033	25	0.449217	50	0.4512129
Vinyl Chloride	0.4	~~0.2045631~~	1	0.2325403	5	0.2284476	10	0.2383453	25	0.2262045	50	0.2224827
Xylene O	0.4	~~0.4884532~~	1	0.5254595	5	0.5550556	10	0.5953847	25	0.5897509	50	0.5775722
Xylene P,M	0.8	~~0.4628905~~	2	0.5090528	10	0.552317	20	0.5813644	50	0.573034	100	0.5700363
1,2-Dichloroethane-d4	0.4	~~0.1829961~~	1	0.1901333	5	0.1909045	10	0.1997732	25	0.198379	50	0.1939545
4-Bromofluorobenzene	0.4	~~0.4320003~~	1	0.4279925	5	0.4353988	10	0.4629058	25	0.4633034	50	0.4562213
Dibromofluoromethane	0.4	~~0.2845028~~	1	0.3453153	5	0.3303021	10	0.3430666	25	0.3469808	50	0.3379658
Toluene-d8	0.4	~~1.079355~~	1	1.157155	5	1.233438	10	1.291186	25	1.266388	50	1.278619

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	100	0.374703										
1,1,1-Trichloroethane	100	0.3286312										
1,1,2,2-Tetrachloroethane	100	0.8814098										
1,1,2-Trichloroethane	100	0.2056595										
1,1-Dichloroethane	100	0.4728752										
1,1-Dichloroethene	100	0.2522304										
1,1-Dichloropropene	100	0.3629247										
1,2,3-Trichlorobenzene	100	0.6135492										
1,2,3-Trichloropropane	100	0.7575777										
1,2,4-Trichlorobenzene	100	0.7493626										
1,2,4-Trimethylbenzene	100	2.163703										
1,2-Dibromo-3-Chloropropane	100	8.009834E-02										
1,2-Dibromoethane	100	0.3576423										
1,2-Dichlorobenzene	100	1.494678										
1,2-Dichloroethane	100	0.2357059										
1,2-Dichloropropane	100	0.2900303										
1,3,5-Trimethylbenzene	100	2.113374										
1,3-Dichlorobenzene	100	1.63538										
1,3-Dichloropropane	100	0.5371536										
1,4-Dichlorobenzene	100	1.702744										
1,4-Dioxane - Screen	2000	1.500656E-03										
1-Chlorohexane	100	0.4624528										
2,2-Dichloropropane	100	0.2921657										
2-Butanone	500	1.713399E-02										
2-Chlorotoluene	100	2.239517										
2-Hexanone	500	0.1730338										
4-Chlorotoluene	100	2.324953										
4-Isopropyltoluene	100	1.882326										
4-Methyl-2-Pentanone	500	6.102892E-02										
Acetone	500	5.874953E-03										
Benzene	100	1.103792										

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Bromobenzene	100	1.105023										
Bromochloromethane	100	0.1774354										
Bromodichloromethane	100	0.3797073										
Bromoform	100	0.2871395										
Bromomethane	100	0.2331689										
Carbon Disulfide	100	1.053562										
Carbon Tetrachloride	100	0.2792604										
Chlorobenzene	100	1.039622										
Chloroethane	100	0.1125585										
Chloroform	100	0.5128071										
Chloromethane	100	0.3073691										
cis-1,2-Dichloroethene	100	0.326645										
cis-1,3-Dichloropropene	100	0.4244099										
Dibromochloromethane	100	0.4280978										
Dibromomethane	100	0.2025319										
Dichlorodifluoromethane	100	0.2801004										
Diethyl Ether	100	~~8.178423E-02~~										
Di-isopropyl ether	100	0.9703084										
Ethyl tertiary-butyl ether	100	0.6336255										
Ethylbenzene	100	1.534023										
Hexachlorobutadiene	100	0.2951543										
Hexachloroethane	100	0.4707886										
Isopropylbenzene	100	2.671272										
Methyl tert-Butyl Ether	100	0.4739262										
Methylene Chloride	100	0.3353209										
Naphthalene	100	1.309218										
n-Butylbenzene	100	1.851088										
n-Propylbenzene	100	3.205991										
sec-Butylbenzene	100	2.380507										
Styrene	100	1.020662										
tert-Butylbenzene	100	1.612313										

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Tertiary-amyl methyl ether	100	0.5651714										
Tetrachloroethene	100	0.3739095										
Tetrahydrofuran	100	4.349598E-02										
Toluene	100	0.6428054										
trans-1,2-Dichloroethene	100	0.3015077										
trans-1,3-Dichloropropene	100	0.3174786										
Trichloroethene	100	0.2994571										
Trichlorofluoromethane	100	0.2448702										
Vinyl Acetate	100	0.4720915										
Vinyl Chloride	100	0.2139304										
Xylene O	100	0.5910829										
Xylene P,M	200	0.5852693										
1,2-Dichloroethane-d4	100	0.196845										
4-Bromofluorobenzene	100	0.4646503										
Dibromofluoromethane	100	0.3492809										
Toluene-d8	100	1.320874										

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.3394603	7.213662	14.32833	2.361777E-02			15	
1,1,1-Trichloroethane	0.3110596	4.471271	9.498333	0.0432609			15	
1,1,2,2-Tetrachloroethane	0.8534852	5.594799	15.27714	0.0325807			SPCC (0.3)	
1,1,2-Trichloroethane	0.196062	3.968538	12.34	6.164233E-03			15	
1,1-Dichloroethane	0.4676268	2.029991	7.77	1.784319E-02			SPCC (0.1)	
1,1-Dichloroethene	0.244583	1.860073	6.615	8.139154E-02			CCC (30)	
1,1-Dichloropropene	0.348074	3.632712	9.705	5.793717E-02			15	
1,2,3-Trichlorobenzene	0.5745021	5.736982	20.195	2.575139E-02			15	
1,2,3-Trichloropropane	0.6871129	7.773051	15.43	1.701412E-02			15	
1,2,4-Trichlorobenzene	0.6826864	7.210475	19.58	3.417535E-02			15	
1,2,4-Trimethylbenzene	2.038259	5.965823	16.81667	2.752023E-02			15	
1,2-Dibromo-3-Chloropropane	7.312109E-02	7.218221	17.978	3.052683E-02			15	
1,2-Dibromoethane	0.3324679	5.990407	13.37	1.484015E-03			15	
1,2-Dichlorobenzene	1.448399	3.077611	17.47	1.913191E-02			15	
1,2-Dichloroethane	0.2286516	5.355429	9.378333	4.773904E-02			15	
1,2-Dichloropropane	0.2781706	3.779827	10.68333	5.023833E-02			CCC (30)	
1,3,5-Trimethylbenzene	1.995331	5.082961	16.405	3.164427E-02			15	
1,3-Dichlorobenzene	1.55689	3.958691	17.02333	3.465739E-02			15	
1,3-Dichloropropane	0.5134075	4.778731	12.65667	0.0365437			15	
1,4-Dichlorobenzene	1.657544	3.296586	17.095	3.224339E-02			15	
1,4-Dioxane - Screen	1.30114E-03	14.70227	10.91333	4.803716E-02			15	
1-Chlorohexane	0.4165814	9.490214	14.30833	2.466383E-02			15	
2,2-Dichloropropane	0.2771819	4.118619	8.726666	0.0587026			15	
2-Butanone	1.587848E-02	7.87014	8.225	6.868155E-02			15	
2-Chlorotoluene	2.194776	3.25677	16.22333	2.922661E-02			15	
2-Hexanone	0.1589153	8.315331	12.83333	4.158666E-02			15	
4-Chlorotoluene	2.26507	3.12769	16.30167	2.253902E-02			15	
4-Isopropyltoluene	1.774982	5.03536	17.115	2.372518E-02			15	
4-Methyl-2-Pentanone	5.596375E-02	10.71644	11.69833	4.006268E-02			15	
Acetone	5.864814E-03	6.165845	6.144	9.189471E-02			15	
Benzene	1.100371	1.596889	9.973333	4.758507E-02			15	
Bromobenzene	1.066193	3.290436	15.93333	3.173249E-02			15	

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: ESS Laboratory
SDG: 0804037
Client: MACTEC Engineering & Consulting, Inc.
Project: Providence Gorham Site
Calibration: 0804001
Instrument: VMS1
Matrix: Aqueous
Calibration Date: 03/31/08 00:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Bromochloromethane	0.1775582	2.683961	8.586667	6.020003E-02			15	
Bromodichloromethane	0.3418241	10.19128	10.79	0.01928			15	
Bromoform	0.2299586	20.18092	14.99833	2.645206E-02	0.99918		SPCC (0.1)	
Bromomethane	0.2003193	12.26956	5.211667	7.784887E-02			15	
Carbon Disulfide	1.009735	4.447043	7.061667	5.427119E-02			15	
Carbon Tetrachloride	0.2494957	9.219632	9.93	8.925604E-02			15	
Chlorobenzene	1.014047	2.559274	14.42167	2.857534E-02			SPCC (0.3)	
Chloroethane	0.1149597	2.982369	5.373333	9.583287E-02			15	
Chloroform	0.4976749	4.434075	8.631667	4.121888E-02			CCC (30)	
Chloromethane	0.3542793	9.128739	4.466667	0.1146273			SPCC (0.1)	
cis-1,2-Dichloroethene	0.3177882	3.12039	8.398333	4.271731E-02			15	
cis-1,3-Dichloropropene	0.3645374	14.5987	11.57286	4.800349E-02			15	
Dibromochloromethane	0.3490035	20.96579	13.03286	4.033507E-02	0.99963		0.99	
Dibromomethane	0.1934236	5.722274	10.65	1.081857E-02			15	
Dichlorodifluoromethane	0.2637561	3.729497	4.213333	0.1213099			15	
Diethyl Ether	7.347477E-02	9.921923	6.265	9.299074E-02			15	
Di-isopropyl ether	0.952768	2.740015	8.221667	5.147704E-02			15	
Ethyl tertiary-butyl ether	0.6242981	3.023796	8.666667	5.818785E-02			15	
Ethylbenzene	1.546959	3.73281	14.64	1.664754E-02			CCC (30)	
Hexachlorobutadiene	0.2741554	6.436086	19.96143	3.142003E-02			15	
Hexachloroethane	0.3517104	23.54786	18.05143	3.266232E-02	0.99831		0.99	
Isopropylbenzene	2.591551	5.211575	15.65833	2.602629E-02			15	
Methyl tert-Butyl Ether	0.4654496	2.988715	7.606667	6.747958E-02			15	
Methylene Chloride	0.3472599	7.708887	6.768333	6.193017E-02			15	
Naphthalene	1.191446	8.856579	19.92833	0.0268962			15	
n-Butylbenzene	1.688339	7.396785	17.54833	2.370889E-02			15	
n-Propylbenzene	3.300052	4.418326	16.11333	2.495369E-02			15	
sec-Butylbenzene	2.229556	5.853796	16.93167	2.345547E-02			15	
Styrene	0.9423163	8.439008	15.21	3.28691E-03			15	
tert-Butylbenzene	1.529304	4.140773	16.70833	0.013582			15	
Tertiary-amyl methyl ether	0.552306	2.840513	10.12667	5.334905E-02			15	
Tetrachloroethene	0.3592911	2.46343	13.58667	4.117611E-02			15	

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory:	ESS Laboratory	SDG:	0804037
Client:	MACTEC Engineering & Consulting, Inc.	Project:	Providence Gorham Site
Calibration:	0804001	Instrument:	VMS1
Matrix:	Aqueous	Calibration Date:	03/31/08 00:00

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Tetrahydrofuran	4.153566E-02	4.273396	9.011667	4.837169E-02			15	
Toluene	0.6192587	3.924771	12.59833	3.227668E-02			CCC (30)	
trans-1,2-Dichloroethene	0.2901774	4.74409	7.498333	0.0547997			15	
trans-1,3-Dichloropropene	0.2616513	19.42713	12.12	1.620168E-02	0.99957		0.99	
Trichloroethene	0.2948186	3.46631	10.73	0.0120037			15	
Trichlorofluoromethane	0.23909	2.992088	6.02	0.1029558			15	
Vinyl Acetate	0.4335189	7.027796	7.88	9.924249E-03			15	
Vinyl Chloride	0.2269918	3.703504	4.705	0.1788025			CCC (30)	
Xylene O	0.5723843	4.758598	15.28833	3.037879E-02			15	
Xylene P,M	0.5618456	5.034037	14.85	1.584845E-02			15	
1,2-Dichloroethane-d4	0.1949982	2.040406	9.288333	4.438089E-02			15	
4-Bromofluorobenzene	0.4517453	3.536455	15.705	3.580263E-02			15	
Dibromofluoromethane	0.3421519	2.03717	8.768334	4.937639E-02			15	
Toluene-d8	1.257943	4.542055	12.5	0			15	

VOA
Logbooks

HOLDING TIME SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MW 227D01	03/31/08 10:18	04/02/08 16:10	04/07/08 07:00	6.86	14.00	04/07/08 19:31	7.38	14.00	
MW 227D01	03/31/08 10:18	04/02/08 16:10	04/08/08 07:00	7.86	14.00	04/08/08 16:29	8.26	14.00	
MW 227S01	03/31/08 12:15	04/02/08 16:10	04/07/08 07:00	6.78	14.00	04/07/08 19:59	7.32	14.00	
MW 227S01	03/31/08 12:15	04/02/08 16:10	04/08/08 07:00	7.78	14.00	04/08/08 13:06	8.04	14.00	
MW 227S01 Dup	03/31/08 12:15	04/02/08 16:10	04/08/08 07:00	7.78	14.00	04/08/08 13:35	8.06	14.00	
MW 227S01 Dup	03/31/08 12:15	04/02/08 16:10	04/08/08 07:00	7.78	14.00	04/08/08 13:35	8.06	14.00	
MW 220S01	03/31/08 14:25	04/02/08 16:10	04/09/08 07:00	8.69	14.00	04/07/08 16:18	7.08	14.00	
MW 220S01	03/31/08 14:25	04/02/08 16:10	04/07/08 07:00	6.69	14.00	04/07/08 16:18	7.08	14.00	
MW 221S01	03/31/08 16:30	04/02/08 16:10	04/08/08 07:00	7.60	14.00	04/07/08 16:47	7.01	14.00	
MW 221S01	03/31/08 16:30	04/02/08 16:10	04/07/08 07:00	6.60	14.00	04/07/08 16:47	7.01	14.00	
MW 228D01	04/01/08 10:15	04/02/08 16:10	04/09/08 07:00	7.86	14.00	04/09/08 12:08	8.08	14.00	
MW 228D01	04/01/08 10:15	04/02/08 16:10	04/09/08 07:00	7.86	14.00	04/09/08 12:08	8.08	14.00	
MW 228S01	04/01/08 14:42	04/02/08 16:10	04/08/08 07:00	6.68	14.00	04/08/08 17:27	7.11	14.00	
MW 228S01	04/01/08 14:42	04/02/08 16:10	04/08/08 07:00	6.68	14.00	04/08/08 17:27	7.11	14.00	
MW 228S01 Dup	04/01/08 12:20	04/02/08 16:10	04/09/08 07:00	7.78	14.00	04/09/08 12:37	8.01	14.00	
MW 228S01 Dup	04/01/08 12:20	04/02/08 16:10	04/09/08 07:00	7.78	14.00	04/09/08 12:37	8.01	14.00	
MW 230D01	04/01/08 14:42	04/02/08 16:10	04/08/08 07:00	6.68	14.00	04/08/08 15:59	7.05	14.00	
MW 230D01	04/01/08 14:42	04/02/08 16:10	04/08/08 07:00	6.68	14.00	04/08/08 15:59	7.05	14.00	
MW 230S01	04/01/08 16:05	04/02/08 16:10	04/07/08 07:00	5.62	14.00	04/07/08 17:14	6.05	14.00	
MW 230S01	04/01/08 16:05	04/02/08 16:10	04/08/08 07:00	6.62	14.00	04/08/08 14:04	6.92	14.00	
MW 226S01	04/02/08 09:50	04/02/08 16:10	04/07/08 07:00	4.88	14.00	04/07/08 17:42	5.33	14.00	
MW 226S01	04/02/08 09:50	04/02/08 16:10	04/08/08 07:00	5.88	14.00	04/08/08 14:34	6.20	14.00	
MW 229S01	04/02/08 10:50	04/02/08 16:10	04/07/08 07:00	4.84	14.00	04/07/08 18:09	5.30	14.00	
MW 229S01	04/02/08 10:50	04/02/08 16:10	04/08/08 07:00	5.84	14.00	04/08/08 15:03	6.18	14.00	

HOLDING TIME SUMMARY

8260B

Laboratory: ESS Laboratory SDG: 0804037

Client: MACTEC Engineering & Consulting, Inc. Project: Providence Gorham Site

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MW 226D01	04/02/08 08:50	04/02/08 16:10	04/07/08 07:00	4.92	14.00	04/07/08 18:37	5.41	14.00	
MW 226D01	04/02/08 08:50	04/02/08 16:10	04/08/08 07:00	5.92	14.00	04/08/08 16:58	6.34	14.00	
Equipment Blank	04/01/08 17:05	04/02/08 16:10	04/08/08 07:00	6.58	14.00	04/08/08 15:30	6.93	14.00	

Sample and Cooler Receipt Checklist

Client: Mactec
Client Project ID: _____
Shipped/Delivered Via: Client

ESS Project ID: 08040037
Date Project Due: 4/9/08
Days For Project: 5 Day

Items to be checked upon receipt:

1. Air Bill Manifest Present?	* No	10. Are the samples properly preserved?	Yes
Air No.:		11. Proper sample containers used?	Yes
2. Were Custody Seals Present?	No	12. Any air bubbles in the VOA vials?	N/A
3. Were Custody Seals Intact?	N/A	13. Holding times exceeded?	No
4. Is Radiation count < 100 CPM?	Yes	14. Sufficient sample volumes?	Yes
5. Is a cooler present?	Yes	15. Any Subcontracting needed?	No
Cooler Temp: **4.4**		16. Are ESS labels on correct containers?	Yes No
Iced With: **Icepacks**		17. Were samples received intact?	Yes No
6. Was COC included with samples?	Yes	ESS Sample IDs: _____	
7. Was COC signed and dated by client?	Yes	Sub Lab: _____	
8. Does the COC match the sample	Yes	Analysis: _____	
9. Is COC complete and correct?	Yes	TAT: _____	

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

_____

_____

_____

Who was called?:_____ By whom? _____

Sample Number	Properly Preserved	Container Type	# of Containers	Preservative
1	Yes	40 ml - VOA	3	HCL
2	Yes	40 ml - VOA	3	HCL
3	Yes	40 ml - VOA	3	HCL
4	Yes	40 ml - VOA	3	HCL
5	Yes	40 ml - VOA	3	HCL
6	Yes	40 ml - VOA	3	HCL
7	Yes	40 ml - VOA	6	HCL
8	Yes	40 ml - VOA	3	HCL
9	Yes	40 ml - VOA	3	HCL
10	Yes	40 ml - VOA	3	HCL
11	Yes	40 ml - VOA	3	HCL
12	Yes	40 ml - VOA	3	HCL
13	Yes	40 ml - VOA	3	HCL
14	Yes	40 ml - VOA	3	HCL

Completed By: JTD JTD Date/Time: 4-2-08
Reviewed By: EO Date/Time: BEO 4/2/08

ESS Laboratory

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

CHAIN OF CUSTODY

Page 1 of 2

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

Reporting Limits: GA
ESS LAB PROJECT ID: 0804037
Electronic Deliverable: ✓ Yes ___ No
Format: Excel__ Access__ PDF__ Other Equis 1-2-03

Co. Name	Project #	Project Name (20 Char. or less)
Maetec	36500500-11.8	Textron Gorham

Contact Person	Address
Dave Heisler	107 Audubon Rd

City	State	Zip	PO#
Wakefield	MA		

Telephone #	Fax #	Email Address
781-245-6606		dc heisler@maetec.com

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA	624	8021 MTBE/BTEX	524.2	VPH w/targets	8015 GRO	8100 TPH	EPH w/o PAHs	8081 Pesticides	8015 DRO	EPH w/PAHs	8082 PCB	8270 SVOA	EPH 4 Diesel	608 Pesticides	625	RCRA5	608 PCB	PAH 8270	RCRA8	PP13	TAL 23	TCLP-RCRA8	NBC7	MCP-METALS (13)	MCP-METALS (13) w/Hg	Circle and/or Write Required Analysis
1	3-31-08	10:18			GW	MW 227 D01	2	3	✓	X				0.4																					P.I.D Reading no odor
2	3-31-08	12:15			GW	MW 227 S01	2	3	✓	X				0.1																					P.I.D Reading no odor
3	3-31-08	12:15			GW	MW 227 S01 DUP	2	3	✓	X				0.1																					P.I.D Reading no odor
4	3-31-08	1425			GW	MW 220 S01	2	3	✓	X				3.8																					P.I.D Reading (Product in H20)
5	3-31-08	1630			GW	MW 221 S01	2	3	✓	X				4.1																					P.I.D Reading (0.1 sheen in H20)
6	4-01-08	10:15			GW	MW 228 D01	2	3	✓	X				NO																					P.I.D Reading taken
7	4-01-08	1442			GW	MW 228 S01	2	3	✓	X				NO																					P.I.D Reading taken
8	4-01-08	1220			GW	MW 228 S01 DUP	2	3	✓	X				NO																					P.I.D Reading taken
9	4-01-08	1442			GW	MW 230 D01	2	3	/	X				NO																					P.I.D Reading taken

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

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ___
Cooler Temp: 4.4

Internal Use Only
[ ] Pickup
[ ] Technicians____

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

Sampled by: Mark Massimo
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4-2-08 16:10	[signature]	4208 16:10				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

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

Please fax all changes to Chain of Custody in writing.

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

10/26/04 B

ESS Laboratory

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

CHAIN OF CUSTODY

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

Reporting Limits: GA
ESS LAB PROJECT ID: 0804037
Electronic Deliverable X Yes ___ No
Format: Excel__ Access__ PDF__ Other Equis EDD

Co. Name	Project #	Project Name (20 Char. or less)
Maclec	3650S0041.16	Textron Gorham

Contact Person	Address
Dave Heistein	107 Audubon Rd.

City	State	Zip	PO#
Wakefield	MA	01880	

Telephone #	Fax #	Email Address
781-245-6606		dheistein@maclec.com

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Y260	Write Required Analysis
10	4-01-08	16:05		X	GW	MW 230S01	2	3	✓	X	NO PID Reading no odor
11	4-02-08	09:50		X	GW	MW 226S01	2	3	✓	X	NO PID Reading no odor
12	4-02-08	10:50		X	GW	MW 229S01	2	3	✓	X	NO PID Reading no odor
250 13	4-02-08	08:50		X	GW	MW 226D01	2	3	✓	Y	NO PID Reading no odor
14	4-01-08	17:05		X	GW	Equipment Blank	2	3	✓	✓	
07 15	4-01-08	14:42		X	GW	MW 228S MS/MSD	2	3	✓	X	NO PID Reading no odor
010											
4-208											

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

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ___
Cooler Temp: 4.4
Internal Use Only [ ] Pickup [ ] Technicians____

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4-2-01 16:10	[signature]	4-208 16:10				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

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

Please fax all changes to Chain of Custody in writing.

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

10/26/04 A