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September 13, 2010

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

RE: Quarterly Air Monitoring Report
Retail Complex, Active Sub-Slab Depressurization System
Former Gorham Manufacturing Facility
333 Adelaide Avenue, Providence, Rhode Island
MACTEC Project No. 3650080114

Dear Mr. Martella:

This letter report presents the results of quarterly compliance sampling and analysis conducted by MACTEC Engineering and Consulting, Inc. (MACTEC) at the retail complex located at the Former Gorham Manufacturing Facility, 333 Adelaide Avenue, Providence, Rhode Island (the Site). The reporting period is from June 1, 2010 to August 31, 2010.

The sampling and analysis and this reporting were conducted consistent with the Short Term Response Action Order of Approval dated July 24, 2008 and the Addendum to the Order of Approval dated August 7, 2008 (collectively referred to as the Orders of Approval).

Background

The active sub-slab depressurization (ASD) system, also called a vapor mitigation system, in the large retail space consists of four extraction wells connected to a 3 hp Rotron regenerative blower. The blower is located in an enclosure located at the north, or rear, of the large retail space.

The small retail spaces consist of the eastern, central, and western retail spaces (Figure 1). The mitigation systems in the small retail spaces consist of one extraction well in each small retail

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space connected to individual radon-type fans, located at the north, or rear, of each small retail space.

Small Retail Spaces

The quarterly monitoring event for the three small retail spaces, consistent with the requirements of the Orders of Approval, was completed on July 1, 2010.

Table 1 summarizes the analytical results at the small retail spaces for the baseline sampling event conducted prior to system start-up and all subsequent sampling events conducted after system start-up. Results of the indoor air samples were compared to the Draft Connecticut Industrial/Commercial Indoor Target Air Concentrations (TAC), which were identified as action levels in the Orders of Approval. The laboratory report (LIMT-25351) associated with the July 1, 2010 quarterly sampling event is provided in Appendix A of this letter report. The analytical laboratory's detection limits are provided in Appendix B.

Each of the post-start-up sampling events included an indoor air sample from each of the small retail spaces (locations IA-5, IA-6, and IA-7), one outdoor air reference sample (location AA-1), and one air sample collected from each of the three vapor extraction wells (EW-5, EW-6, and EW-7). The sampling locations are shown in Figure 1. The outdoor reference air sample (AA-1) was located at an upwind location during each of the sampling rounds (dependent on weather conditions). Sub-slab vacuum monitoring (pressure differential measurements) was also conducted at locations VMW-5, VMW-6, and VMW-7 in conjunction with the quarterly air sampling program. The vacuum monitoring results are tabulated in Table 2.

The following conclusions are based on Site observations and the data from Table 1.

- Indoor air sample results are in compliance with action levels for the quarterly sampling event in the three small retail spaces (sample locations IA-5, IA-6, and IA-7). Although the concentration of carbon tetrachloride in the sample collected from location IA-6 during the quarterly sampling was slightly above the action level, the concentration was consistent with the outdoor background sample and therefore is not considered an exceedance.
- The eastern small retail space (indoor air sample location IA-5) and the western small retail space (indoor air sample location IA-7) of the retail complex are currently occupied. The center small retail space (indoor sample location IA-6) remains unoccupied.

- The mitigation systems are functioning as designed and are achieving desired results with respect to indoor quality in the three small retail units.

Large Retail Space

The quarterly monitoring event for the large retail space, consistent with the requirements of the Orders of Approval, was completed on July 1, 2010.

Table 3 summarizes the analytical results for the large retail space for the baseline sampling event conducted prior to system start-up and all subsequent sampling events conducted after system start-up. Results of the indoor air samples were compared to the Draft Connecticut Industrial/Commercial Indoor Target Air Concentrations (TAC), which were identified as action levels in the Orders of Approval. The laboratory report (LIMT-25351) associated with the July 1, 2010 quarterly sampling event is provided in Appendix A of this letter report. The analytical laboratory's detection limits are provided in Appendix B.

Each of the post-start-up sampling events included collection of samples from each of the indoor air sampling points in the large retail space (locations IA-1 through IA-4), one outdoor air reference sample (location AA-1), and one air sample collected from the manifold where air from the four vapor extraction wells is collected (EW Combined). The sampling locations are shown in Figure 1. The outdoor reference air sample (AA-1) was located at an upwind location during each of the sampling rounds (dependent on weather conditions). Sub-slab vacuum monitoring (pressure differential measurements) was also conducted at locations VMW-1 through VMW-4 in conjunction with the air sampling program. The vacuum monitoring results for the large retail space are tabulated in Table 4.

The following conclusions are based on Site observations and the data from Table 3.

- Indoor air sample results are in compliance with action levels for the quarterly sampling event in the large retail space (sample locations IA-1 through IA-4). Although the concentration of carbon tetrachloride in the sample collected from location IA-3 during the quarterly sampling was slightly above the action level, the concentration was consistent with the outdoor background sample and therefore is not considered an exceedance.
- The mitigation system is functioning as designed and is achieving desired results with respect to indoor air quality in the large retail space.

ASD System Monitoring

The ASD system performance is monitored biweekly by Clean Harbors Environmental Services. The mitigation system was shut down for several hours on July 15, 2010, for the installation of a replacement electrical meter for the entire mitigation system and current transformers for the mitigation systems in the small retail spaces.

Next Reporting Period

The next quarterly report will cover September, October, and November 2010. The report will be prepared and submitted to the Rhode Island Department of Environmental Management (RIDEM) in December 2010.

Please contact the undersigned at 781-245-6606 if we can provide additional information or answer any questions concerning these monitoring events and system adjustments.

Sincerely,
MACTEC Engineering and Consulting, Inc.

Phil Muller
Project Engineer

Michael Murphy
Principal Scientist

Enclosures: Table 1 – Summary of Analytical Results – Air Sampling for Small Retail Spaces
Table 2 – Vacuum Monitoring Results – Small Retail Spaces
Table 3 – Summary of Analytical Results – Air Sampling for Large Retail Space
Table 4 – Vacuum Monitoring Results – Large Retail Space

Figure 1 – Vapor Mitigation Sample Locations

Appendix A – Laboratory Reports
Appendix B – Analytical Laboratory Detection Limits

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TABLES

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Outdoor Air Reference Locations									
Parameter (ug/m^3)	AA-1 1/16/2009	AA-1-020309 2/3/2009	AA-1-021109 2/11/2009	AA-1-021809 2/18/2009	AA-1-022609 2/26/2009	AA-1-030609 3/6/2009	AA-1-033109 3/31/2009	AA-1-041409 4/14/2009	AA-1-042409 4/24/2009	AA-1-051509 5/15/2009
1,1,1-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.28	0.52	1.8	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.5	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.17	1.3	0.11 U	0.11 U	0.11 U	0.08 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.53	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U
2-Butanone	0.58	1.2	2.4	3.2	1.6	0.67	1.7	0.11 U	1.6	1.6
2-Hexanone	0.2 U	0.22	0.57	0.35	0.2 U	0.2 U	0.2 U	0.14 U	0.26	0.39
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.6	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.27	0.63	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
Acetone	7.3	8	15	22	8.4	5.9	12	1.1	27	9.5
Benzene	0.69	0.62	1.3	4.7	0.43	0.69	0.46	0.12 U	0.3	0.4
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U
Carbon tetrachloride	0.38	0.44	0.52	0.56	0.43	0.61	0.47	0.22 U	0.41	0.78
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	0.24 U
Chloromethane	1.1	0.9	1.4	1.5	1.1	1.1	1.3	1.1	1.2	1.1
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U

Table 1.
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Former Gorham Manufacturing Site
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	Outdoor Air Reference Locations									
Parameter (ug/m^3)	AA-1 1/16/2009	AA-1-020309 2/3/2009	AA-1-021109 2/11/2009	AA-1-021809 2/18/2009	AA-1-022609 2/26/2009	AA-1-030609 3/6/2009	AA-1-033109 3/31/2009	AA-1-041409 4/14/2009	AA-1-042409 4/24/2009	AA-1-051509 5/15/2009
Cyclohexane	0.17 U	0.17 U	0.35	1.1	0.17 U	0.17 U	0.17 U	0.12 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U
Dichlorodifluoromethane	2	2.2	2.6	2.7	2.6	2.6	2.8	2	2.5	2.7
Ethanol	4	5.4	10	47	4.3	3.5	4.7	0.81	4.9	4.8
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.31	0.37 U	0.18 U	0.18 U	0.26 U	0.37 U	0.18 U
Ethylbenzene	0.22 U	0.25	0.52	2	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	1.1 U
Hexane	1.5	0.75	1.1	2.9	0.38	2.8	2.2	0.13 U	0.56	0.37
Isopropyl alcohol	1.4	1.4	1.8	4.3	1.4	0.67	1.4	0.18 U	14	1
m,p-Xylene	0.43 U	0.72	1.4	6.4	0.44	0.43 U	0.43 U	0.31 U	0.43 U	0.49
Methylene chloride	5.5	3.1	0.65	1.5	0.78	7.4	15	2.1	2.8	1.7
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.27	0.92	1.6	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.4
o-Xylene	0.22 U	0.27	0.53	2.2	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.24
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U	0.13 U	0.18 U	0.09 U
Styrene	0.21 U	0.21 U	0.21 U	0.28	0.21 U	0.21 U	0.21 U	0.15 U	0.21 U	0.21 U
Tetrachloroethene	0.34 U	0.34 U	0.73	0.77	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.11 U	0.15 U	0.15 U
Toluene	0.94	1.5	3.2	14	0.71	0.99	0.82	0.14 U	0.72	2.6
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U
Trichloroethene	0.27 U	0.27 U	0.27 U	0.39	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U
Trichlorofluoromethane	1.3	1.2	1.7	2.4	1.5	2	1.7	0.92	1.3	1.5
Trichlorotrifluoroethane	0.68	0.53	0.5	0.47	0.64	0.48	0.51	0.27 U	0.64	0.67
Vinyl acetate	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.18 U	0.5 U	0.71 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U

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	Outdoor Air Reference Locations													
Parameter (ug/m^3)	AA-1-061109 6/11/2009	AA-1-091709 9/17/2009	AA-1-092409 9/24/2009	AA-1-100109 10/1/2009	AA-1-100809 10/8/2009	AA-1-122909 12/29/2009	AA-1-012810 1/28/2010	AA-1-020510 2/5/2010	AA-1-021210 2/12/2010	AA-1-021910 2/19/2010	AA-1-032610 3/26/2010	AA-1-043010 4/30/2010	AA-1-052810 5/28/2010	AA-1-070110 7/1/2010
1,1,1-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.75 U	0.37 U	0.37 U	0.37 U	0.37 U	0.75 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.29	0.3	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.23 U	0.23 U	0.23 U	0.23 U	0.11 U	0.23 U	0.23 U	0.23 U	0.23 U	0.11 U	0.23 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	1.1	1.7	0.84	1.2	1.2	2	0.81	1.6	1.6	0.88	1.5	1.4	2.4	2.3
2-Hexanone	0.2 U	0.34	0.2 U	0.33	0.23	0.2 U	0.2 U	0.32	0.2 U	0.2 U	0.29	0.29	0.49	0.49
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.34	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	10	10	9.6	5.4	17	11	3.5	7.6	5	3.7	9.5	12	20	13
Benzene	0.49	0.38	0.35	0.25	0.2	0.42	0.79	0.68	0.63	0.41	0.69	0.35	0.19	0.16 U
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.28	0.16 U	0.16 U	0.44	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.43	0.4	0.4	0.43	0.46	0.39	0.42	0.39	0.31 U	0.43	0.49	0.47	0.52	0.51
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	1.2	0.85	1.1	0.97	0.96	1.6	1.1	1.2	1.3	1.1	1.4	0.78	1.1	0.96
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Outdoor Air Reference Locations													
Parameter (ug/m^3)	AA-1-061109 6/11/2009	AA-1-091709 9/17/2009	AA-1-092409 9/24/2009	AA-1-100109 10/1/2009	AA-1-100809 10/8/2009	AA-1-122909 12/29/2009	AA-1-012810 1/28/2010	AA-1-020510 2/5/2010	AA-1-021210 2/12/2010	AA-1-021910 2/19/2010	AA-1-032610 3/26/2010	AA-1-043010 4/30/2010	AA-1-052810 5/28/2010	AA-1-070110 7/1/2010
Cyclohexane	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2.6	2.1	2.1	2.2	2.1	2.1	2.3	2.4	2.5	2.9	1.8	2.1	2.5	2.4
Ethanol	8.6	6.6	4.6	3.9	4.9	3.8	5.4	5.1	7.2	1.2	4.9	4	3.3	4
Ethyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	1.1	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.24	0.22 U	0.23	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.82
Hexachlorobutadiene	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U
Hexane	0.59	0.48	1.4	0.45	4.5	0.62	0.36	0.53	0.91	0.24	0.23	1.1	0.51	0.37
Isopropyl alcohol	2.5	2.8	0.87	0.63	0.25 U	0.54	0.56	2.7	1.5	0.8	0.73	0.69	1.6	0.79
m,p-Xylene	0.73	0.62	0.59	0.43 U	0.43 U	0.43 U	0.43 U	0.5	0.47	0.43 U	0.49	0.43 U	0.43 U	2.2
Methylene chloride	1.9	0.7 U	4.2	0.7 U	23	4.6	1.3	1.9	1.7	0.7 U	0.7 U	0.7 U	0.35 U	1.1
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.23	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.26	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	0.27	0.23	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.46
Propylene (Propene)	0.09 U	0.35 U	0.35 U	0.18 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.87 U	0.87 U
Styrene	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Tetrachloroethene	0.34 U	0.52	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	1.2	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.19	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	2.1	1.9	2	0.61	0.5	0.78	0.94	0.64	0.97	0.46	1.1	0.75	0.63	0.57
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.3	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Trichlorofluoromethane	2	1.1	1.4	1.2	1.5	2.2	1.2	1.2	1.6	1.5	1.5	1.2	1.4	1.3
Trichlorotrifluoroethane	0.56	0.47	0.49	0.45	0.46	0.54	0.49	0.55	0.54	0.54	0.62	0.45	0.58	0.56
Vinyl acetate	0.18 U	0.71 U	0.71 U	0.71 U	0.71 U	0.36 U	0.71 U	0.71 U	0.71 U	0.71 U	0.36 U	0.71 U	0.18 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Eastern Small Retail Space											
Parameter (ug/m^3)	EW-5-020309 2/3/2009	EW-5-021109 2/11/2009	EW-5-021809 2/18/2009	EW-5-022609 2/26/2009	EW-5-030609 3/6/2009	EW-5-041409 4/14/2009	EW-5-051509 5/15/2009	EW-5-061109 6/11/2009	EW-5-091709 9/17/2009	EW-5-122909 12/29/2009	EW-5-032610 3/26/2010	EW-5-070110 7/1/2010
1,1,1-Trichloroethane	190000	41000	17000	7100	1800	2600	3100	1900	3500	920	540	550
1,1,2,2-Tetrachloroethane	6.8 U	6.8 U	6.8 U	6.8 U	1.7 U	68 U	3.4 U	3.4 U	3.4 U	3.4 U	6.8 U	3.4 U
1,1,2-Trichloroethane	5.4 U	5.4 U	5.4 U	5.4 U	1.4 U	54 U	2.7 U	2.7 U	2.7 U	2.7 U	5.4 U	2.7 U
1,1-Dichloroethane	11000	1900	890	770	190	360	450	430	230	100	50	53
1,1-Dichloroethene	2500	290	130	190	61	160	160	160	98	30	18	21
1,2,4-Trichlorobenzene	7.4 U	7.4 U	7.4 U	7.4 U	1.9 U	74 U	3.7 U	3.7 U	3.7 U	7.5 U	15 U	3.7 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	5 U	1.3 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,2-Dibromoethane (EDB)	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	76 U	3.8 U	3.8 U	3.8 U	3.8 U	7.6 U	3.8 U
1,2-Dichlorobenzene	6 U	6 U	6 U	6 U	1.5 U	60 U	3 U	3 U	3 U	3 U	6 U	3 U
1,2-Dichloroethane	4 U	4 U	4 U	4 U	1 U	40 U	2 U	2 U	2 U	2 U	4 U	2 U
1,2-Dichloropropane	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	46 U	2.3 U	2.3 U	2.3 U	2.3 U	4.6 U	2.3 U
1,2-Dichlorotetrafluoroethane	7 U	7 U	7 U	7 U	1.8 U	70 U	3.5 U	3.5 U	3.5 U	3.5 U	7 U	3.5 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	5 U	1.3 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U
1,3-Butadiene	2.2 U	2.2 U	2.2 U	2.2 U	0.55 U	22 U	1.1 U	1.1 U	2.3 U	1.1 U	2.2 U	1.1 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	1.5 U	60 U	3 U	3 U	3 U	3 U	6 U	3 U
1,4-Dichlorobenzene	6 U	6 U	6 U	6 U	1.5 U	60 U	3 U	3 U	3 U	3 U	6 U	3 U
2-Butanone	6.3	89	75	170	3700	64000	100000	230000	110000	7800	18000	28000
2-Hexanone	4 U	4 U	4 U	4 U	1 U	40 U	2.7	2 U	2 U	2 U	4 U	2 U
4-Ethyltoluene	5 U	5 U	5 U	5 U	1.3 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	5 U	2.5 U
4-Methyl-2-pentanone	4 U	4 U	4 U	4 U	1 U	40 U	2 U	2 U	2 U	2 U	4 U	2 U
Acetone	530	32	52	29	460	5600	14000	6900	9200	1700	3200	6000
Benzene	13	12	6.2	4.8	5.6	32 U	11	7.1	11	6.3	5.5	8.2
Benzyl chloride	5.2 U	5.2 U	5.2 U	5.2 U	1.3 U	52 U	2.6 U	2.6 U	2.6 U	2.6 U	5.2 U	2.6 U
Bromodichloromethane	6.6 U	6.6 U	6.6 U	6.6 U	1.7 U	66 U	3.3 U	3.3 U	3.3 U	3.3 U	6.6 U	3.3 U
Bromoform	11 U	11 U	11 U	11 U	2.6 U	110 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U	5.1 U
Bromomethane	3.8 U	3.8 U	3.8 U	3.8 U	0.95 U	38 U	1.9 U	1.9 U	1.9 U	1.9 U	3.8 U	1.9 U
Carbon disulfide	3.2 U	3.2 U	3.2 U	3.2 U	0.8 U	230	4	5.4	8.2	2.9	5.7	12
Carbon tetrachloride	6.2 U	6.2 U	6.2 U	6.2 U	1.6 U	62 U	3.1 U	3.1 U	3.1 U	3.1 U	6.2 U	3.1 U
Chlorobenzene	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	46 U	2.3 U	2.3 U	2.3 U	2.3 U	4.6 U	2.3 U
Chloroethane	260	23	16	11	4.5	26 U	11	15	7	6.5	3.5	3.6
Chloroform	83	32	20	16	2.8	48 U	7.2	6.5	5.8	2.6	4.8 U	2.4 U
Chloromethane	2 U	2 U	2 U	2 U	0.5 U	20 U	1 U	1 U	1 U	1 U	2 U	1 U
cis-1,2-Dichloroethene	2900	710	400	410	100	150	270	250	170	58	32	43
cis-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Eastern Small Retail Space											
Parameter (ug/m^3)	EW-5-020309 2/3/2009	EW-5-021109 2/11/2009	EW-5-021809 2/18/2009	EW-5-022609 2/26/2009	EW-5-030609 3/6/2009	EW-5-041409 4/14/2009	EW-5-051509 5/15/2009	EW-5-061109 6/11/2009	EW-5-091709 9/17/2009	EW-5-122909 12/29/2009	EW-5-032610 3/26/2010	EW-5-070110 7/1/2010
Cyclohexane	3.4 U	3.4 U	3.4 U	3.4 U	0.85 U	34 U	1.7 U	1.7 U	1.7 U	1.7 U	3.4 U	1.7 U
Dibromochloromethane	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	86 U	4.3 U	4.3 U	4.3 U	4.3 U	8.6 U	4.3 U
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	2.7	50 U	3	3.2	2.5 U	2.5 U	5 U	2.5
Ethanol	320	36	46	33	22	130	30	26	3.8 U	45	28	68
Ethyl acetate	7.3 U	3.6 U	3.6 U	7.3 U	0.9 U	73 U	1.8 U	1.8 U	1.8 U	1.8 U	3.6 U	1.8 U
Ethylbenzene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U
Hexachlorobutadiene	22 U	22 U	22 U	22 U	5.4 U	220 U	11 U	11 U	5.3 U	11 U	22 U	5.3 U
Hexane	5	3.6 U	3.6 U	3.6 U	2.3	36 U	3.3	1.8 U	1.8 U	1.8 U	3.6 U	1.8 U
Isopropyl alcohol	190	5.1	4.6	5 U	4.6	290	24	57	35	2.5 U	20	54
m,p-Xylene	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	86 U	4.3 U	4.3 U	4.3 U	4.3 U	8.6 U	4.3 U
Methylene chloride	7.8	7 U	9.6	7 U	12	720	21	15	7 U	25	14 U	8.6
Methyl-t-butyl ether	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	36 U	1.8 U	1.8 U	1.8 U	1.8 U	3.6 U	1.8 U
n-Heptane	4 U	4 U	4 U	4 U	1 U	40 U	2 U	2 U	2 U	2 U	4 U	2 U
o-Xylene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U
Propylene (Propene)	3.5 U	1.8 U	1.8 U	3.5 U	0.45 U	35 U	0.9 U	0.9 U	3.5 U	3.5 U	6.9 U	8.7 U
Styrene	4.2 U	17	4.2 U	4.2 U	1.7	42 U	2.2	2.1 U	2.1 U	2.1 U	4.2 U	2.1 U
Tetrachloroethene	210	310	190	97	8	68 U	21	25	19	8.9	6.8 U	6.7
Tetrahydrofuran	16	110	69	140	2200	42000	61000	150000	94000	9700	23000	37000
Toluene	13	4.7	3.8 U	3.8 U	0.95 U	38 U	2.2	3.4	1.9 U	1.9 U	3.8 U	1.9 U
trans-1,2-Dichloroethene	26	6.1	4 U	4.7	1 U	40 U	2.6	2.8	2 U	2 U	4 U	2 U
trans-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	4.4 U	2.2 U
Trichloroethene	51000	20000	14000	8900	2400	3800	4400	2700	6800	1600	1100	1200
Trichlorofluoromethane	3500	200	120	67	16	56 U	27	41	2.8 U	53	7	7.4
Trichlorotrifluoroethane	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	76 U	3.8 U	3.8 U	3.8 U	3.8 U	7.6 U	3.8 U
Vinyl acetate	15 U	3.6 U	3.6 U	15 U	0.9 U	150 U	1.8 U	1.8 U	7.1 U	3.6 U	7.1 U	1.8 U
Vinyl chloride	2.6 U	2.6 U	2.6 U	2.6 U	0.65 U	26 U	1.3 U	5.3	1.3 U	3	3.4	3.1

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Center Small Retail Space										
Parameter (ug/m^3)	EW-6-020309 2/3/2009	EW-6-021109 2/11/2009	EW-6-021809 2/18/2009	EW-6-022609 2/26/2009	EW-6-030609 3/6/2009	EW-6-041409 4/14/2009	EW-6-051509 5/15/2009	EW-6-061109 6/11/2009	EW-6-091709 9/17/2009	EW-6-122909 12/29/2009	EW-6-070110 7/1/2010
1,1,1-Trichloroethane	69000	32000	21000	16000	16000	5600	8200	5700	5400	1100	430
1,1,2,2-Tetrachloroethane	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	68 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
1,1,2-Trichloroethane	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	54 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
1,1-Dichloroethane	5200	2500	2100	2200	1600	780	1200	1100	930	580	47
1,1-Dichloroethene	850	210	100	110	55	74	87	83	80	6.4	3.5
1,2,4-Trichlorobenzene	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	74 U	3.7 U	3.7 U	3.7 U	7.5 U	3.7 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	16	6.2	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (EDB)	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	76 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
1,2-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 U	3 U	3 U	3 U	3 U	3 U
1,2-Dichloroethane	4 U	4 U	4 U	4 U	4 U	40 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichloropropane	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	46 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1,2-Dichlorotetrafluoroethane	7 U	7 U	7 U	7 U	7 U	70 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	7.3	5 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Butadiene	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	22 U	1.1 U	1.1 U	2.3 U	1.1 U	1.1 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 U	3 U	3 U	3 U	3 U	3 U
1,4-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 U	3 U	3 U	3 U	3 U	3 U
2-Butanone	120	280	300	130	97	160	37	65	8.7	23	1800
2-Hexanone	4 U	4 U	4 U	4 U	4 U	40 U	2 U	2 U	2 U	2 U	2 U
4-Ethyltoluene	5 U	5 U	5 U	5 U	5 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Methyl-2-pentanone	4 U	4 U	4 U	4 U	4 U	40 U	2 U	2 U	2 U	2 U	2 U
Acetone	580	64	81	33	22	410	16	20	4.8 U	27	490
Benzene	5.2	5.2	4.1	3.2 U	3.2 U	32 U	1.7	1.6 U	1.6 U	1.6 U	1.6 U
Benzyl chloride	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	52 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Bromodichloromethane	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	66 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U
Bromoform	11 U	11 U	11 U	11 U	11 U	110 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Bromomethane	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	38 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Carbon disulfide	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	180	1.6 U	1.6 U	1.6 U	1.6 U	8
Carbon tetrachloride	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	62 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Chlorobenzene	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	46 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Chloroethane	140	50	34	18	13	26 U	13	14	11	4	1.3 U
Chloroform	42	24	19	29	21	50	14	12	12	7.2	3.7
Chloromethane	2 U	2 U	2 U	2 U	2 U	34	1 U	1 U	1 U	1 U	38
cis-1,2-Dichloroethene	700	360	220	250	150	120	190	170	130	36	11
cis-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Center Small Retail Space										
Parameter (ug/m^3)	EW-6-020309 2/3/2009	EW-6-021109 2/11/2009	EW-6-021809 2/18/2009	EW-6-022609 2/26/2009	EW-6-030609 3/6/2009	EW-6-041409 4/14/2009	EW-6-051509 5/15/2009	EW-6-061109 6/11/2009	EW-6-091709 9/17/2009	EW-6-122909 12/29/2009	EW-6-070110 7/1/2010
Cyclohexane	3.4 U	5.3	3.4 U	3.4 U	3.4 U	34 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dibromochloromethane	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	86 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	5 U	50 U	3.6	3.9	2.7	2.5 U	2.5 U
Ethanol	360	38	73	38	25	110	18	14	6.7	18	15
Ethyl acetate	7.3 U	3.6 U	3.6 U	7.3 U	3.6 U	73 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Hexachlorobutadiene	22 U	22 U	22 U	22 U	22 U	220 U	11 U	11 U	5.3 U	11 U	5.3 U
Hexane	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Isopropyl alcohol	210	18	33	15	10	230	8.2	11	20	2.5 U	1.2 U
m,p-Xylene	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	120	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Methylene chloride	7 U	7 U	7.5	7 U	7 U	780	12	15	7 U	27	10
Methyl-t-butyl ether	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
n-Heptane	4 U	4 U	4 U	4 U	4 U	40 U	2 U	2 U	2 U	2 U	2 U
o-Xylene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Propylene (Propene)	3.5 U	1.8 U	1.8 U	3.5 U	1.8 U	35 U	0.9 U	0.9 U	3.5 U	3.5 U	8.7 U
Styrene	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	42 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Tetrachloroethene	330	290	130	290	190	300	190	210	250	68	34
Tetrahydrofuran	75	480	260	730	570	130	110	87	9.1	31	42000
Toluene	12	3.8 U	3.8 U	3.8 U	3.8 U	38 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
trans-1,2-Dichloroethene	12	6.3	4.2	6.4	4 U	40 U	2.6	2.7	2	2.1	2 U
trans-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Trichloroethene	12000	6900	4200	4400	4800	3900	5400	4700	6100	2000	730
Trichlorofluoromethane	2300	870	630	350	250	150	230	440	700	320	6.7
Trichlorotrifluoroethane	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	76 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
Vinyl acetate	15 U	3.6 U	3.6 U	15 U	3.6 U	150 U	1.8 U	1.8 U	7.1 U	3.6 U	1.8 U
Vinyl chloride	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U	1.3 U	1.3 U	1.3 U	1.3 U	1.7

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Western Small Retail Space											
Parameter (ug/m^3)	EW-7-020309 2/3/2009	EW-7-021109 2/11/2009	EW-7-021809 2/18/2009	EW-7-022609 2/26/2009	EW-7-030609 3/6/2009	EW-7-041409 4/14/2009	EW-7-051509 5/15/2009	EW-7-061109 6/11/2009	EW-7-091709 9/17/2009	EW-7-122909 12/29/2009	EW-7-032610 3/26/2010	EW-7-070110 7/1/2010
1,1,1-Trichloroethane	5600	8500	7800	8200	8100	1600	3600	2600	1400	340	51	250
1,1,2,2-Tetrachloroethane	6.8 U	1.4 U	1.7 U	1.7 U	1.7 U	6.8 U	3.4 U	3.4 U	3.4 U	3.4 U	0.68 U	0.68 U
1,1,2-Trichloroethane	5.4 U	1.1 U	1.4 U	1.4 U	1.4 U	5.4 U	2.7 U	2.7 U	2.7 U	2.7 U	0.54 U	0.54 U
1,1-Dichloroethane	1700	1800	1600	2100	1700	590	1000	1100	970	470	85	320
1,1-Dichloroethene	14	15	8.5	9.4	6.6	4 U	4.2	4.2	4.5	2 U	0.4 U	0.81
1,2,4-Trichlorobenzene	7.4 U	1.5 U	1.9 U	1.9 U	1.9 U	7.4 U	3.7 U	3.7 U	3.7 U	7.5 U	1.5 U	0.74 U
1,2,4-Trimethylbenzene	5 U	1 U	1.3 U	1.3 U	1.3 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5	0.5 U
1,2-Dibromoethane (EDB)	7.6 U	1.6 U	1.9 U	1.9 U	1.9 U	7.6 U	3.8 U	3.8 U	3.8 U	3.8 U	0.76 U	0.76 U
1,2-Dichlorobenzene	6 U	1.2 U	1.5 U	1.5 U	1.5 U	6 U	3 U	3 U	3 U	3 U	0.6 U	0.6 U
1,2-Dichloroethane	4 U	0.8 U	1 U	1 U	1 U	4 U	2 U	2 U	2 U	2 U	0.4 U	0.4 U
1,2-Dichloropropane	4.6 U	0.92 U	1.2 U	1.2 U	1.2 U	4.6 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 U	0.46 U
1,2-Dichlorotetrafluoroethane	7 U	1.4 U	1.8 U	1.8 U	1.8 U	7 U	3.5 U	3.5 U	3.5 U	3.5 U	0.7 U	0.7 U
1,3,5-Trimethylbenzene	5 U	1 U	1.3 U	1.3 U	1.3 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.1	0.5 U
1,3-Butadiene	2.2 U	0.44 U	0.55 U	0.55 U	0.55 U	2.2 U	1.1 U	1.1 U	2.3 U	1.1 U	0.22 U	0.22 U
1,3-Dichlorobenzene	6 U	1.2 U	1.5 U	1.5 U	1.5 U	6 U	3 U	3 U	3 U	3 U	0.6 U	0.6 U
1,4-Dichlorobenzene	6 U	1.2 U	1.5 U	1.5 U	1.5 U	6 U	3 U	3 U	3 U	3 U	0.6 U	0.6 U
2-Butanone	8.7	12	7.3	8.5	5.5	4.5	7.1	16	4.9	3.5	31	3.8
2-Hexanone	4 U	0.8 U	1 U	1 U	1 U	4 U	2 U	2 U	2 U	2 U	0.4 U	1
4-Ethyltoluene	5 U	1 U	1.3 U	1.3 U	1.3 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	4 U	0.8 U	1 U	1 U	1 U	4 U	2 U	2 U	2 U	2 U	0.4 U	0.4 U
Acetone	580	38	58	30	24	15	24	24	7.9	49	26	25
Benzene	3.2 U	3.9	4.5	1.9	2.3	3.2 U	2.6	2.8	3	2.2	1.5	1.7
Benzyl chloride	5.2 U	1.1 U	1.3 U	1.3 U	1.3 U	5.2 U	2.6 U	2.6 U	2.6 U	2.6 U	0.52 U	0.52 U
Bromodichloromethane	6.6 U	1.4 U	1.7 U	1.7 U	1.7 U	6.6 U	3.3 U	3.3 U	3.3 U	3.3 U	0.66 U	0.66 U
Bromoform	11 U	2.1 U	2.6 U	2.6 U	2.6 U	11 U	5.1 U	5.1 U	5.1 U	5.1 U	1.1 U	1.1 U
Bromomethane	3.8 U	0.76 U	0.95 U	0.95 U	0.95 U	3.8 U	1.9 U	1.9 U	1.9 U	1.9 U	0.38 U	0.38 U
Carbon disulfide	5.7	3.4	2.7	3.7	3.3	3.2 U	3.2	2.7	2.1	1.6 U	1.5	0.93
Carbon tetrachloride	6.2 U	1.3 U	1.6 U	1.6 U	1.6 U	6.2 U	3.1 U	3.1 U	3.1 U	3.1 U	0.62 U	0.62 U
Chlorobenzene	4.6 U	0.92 U	1.2 U	1.2 U	1.2 U	4.6 U	2.3 U	2.3 U	2.3 U	2.3 U	0.46 U	0.46 U
Chloroethane	170	150	88	41	33	7.1	9.6	10	8.1	6.5	1.6	2.2
Chloroform	4.8 U	1	1.2 U	1.3	1.2 U	4.8 U	2.7	2.6	4.6	2.7	1.1	4.2
Chloromethane	2 U	0.4 U	0.5 U	0.5 U	0.5 U	2 U	1 U	1 U	1 U	1 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	1100	1300	1200	1700	1200	520	1100	1200	1300	680	120	660
cis-1,3-Dichloropropene	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	0.44 U	0.44 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Western Small Retail Space											
Parameter (ug/m^3)	EW-7-020309 2/3/2009	EW-7-021109 2/11/2009	EW-7-021809 2/18/2009	EW-7-022609 2/26/2009	EW-7-030609 3/6/2009	EW-7-041409 4/14/2009	EW-7-051509 5/15/2009	EW-7-061109 6/11/2009	EW-7-091709 9/17/2009	EW-7-122909 12/29/2009	EW-7-032610 3/26/2010	EW-7-070110 7/1/2010
Cyclohexane	3.4 U	5.6	5	3.7	2.1	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	0.34 U	0.34 U
Dibromochloromethane	8.6 U	1.8 U	2.2 U	2.2 U	2.2 U	8.6 U	4.3 U	4.3 U	4.3 U	4.3 U	0.86 U	0.86 U
Dichlorodifluoromethane	5 U	2.5	3.2	770	2.6	5 U	2.9	3.3	2.5 U	2.5 U	1.5	2.2
Ethanol	350	26	29	17	15	3.8 U	19	18	12	18	37	31
Ethyl acetate	7.3 U	0.72 U	0.9 U	1.9 U	0.9 U	7.3 U	1.8 U	1.8 U	1.8 U	1.8 U	0.36 U	0.36 U
Ethylbenzene	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	0.57	0.44 U
Hexachlorobutadiene	22 U	4.3 U	5.4 U	5.4 U	5.4 U	22 U	11 U	11 U	5.3 U	11 U	2.2 U	1.1 U
Hexane	10	10	7.6	5.5	3.1	3.6 U	4	2.1	1.8 U	1.8 U	0.36 U	0.97
Isopropyl alcohol	210	18	21	12	8.5	5 U	12	17	2.5 U	2.5 U	80	2.2
m,p-Xylene	8.6 U	1.8 U	2.2 U	2.2 U	2.2 U	8.6 U	4.3 U	4.3 U	4.3 U	4.3 U	1.4	0.93
Methylene chloride	9.3	2.6	8	1.8	1.8 U	20	29	16	7 U	27	1.4 U	2.4
Methyl-t-butyl ether	3.6 U	3.5	2.9	4.9	3.1	3.6 U	1.8 U	1.8 U	1.8 U	1.8 U	0.36 U	0.36 U
n-Heptane	4 U	1.4	1 U	1 U	1 U	4 U	2 U	2 U	2 U	2 U	0.4 U	0.4 U
o-Xylene	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	0.65	0.44 U
Propylene (Propene)	3.5 U	160	110	0.87 U	0.45 U	3.5 U	0.9 U	0.9 U	3.5 U	3.5 U	0.69 U	1.8 U
Styrene	4.2 U	0.84 U	1.1 U	1.1 U	1.1 U	4.2 U	2.1 U	2.1 U	2.1 U	2.1 U	0.42 U	0.67
Tetrachloroethene	66	69	56	84	69	40	140	230	410	130	74	510
Tetrahydrofuran	41	23	12	14	7.5	3 U	5.6	15	4.1	1.5 U	2800	0.7
Toluene	14	2.9	3.6	1.7	0.95 U	3.8 U	1.9 U	1.9 U	1.9 U	1.9 U	5.4	4.8
trans-1,2-Dichloroethene	150	140	90	90	80	48	120	140	150	84	22	120
trans-1,3-Dichloropropene	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	0.44 U	0.44 U
Trichloroethene	230	210	180	180	200	110	330	420	920	420	190	690
Trichlorofluoromethane	1800	1400	900	690	640	190	310	660	1400	620	210	690
Trichlorotrifluoroethane	7.6 U	1.6 U	1.9 U	1.9 U	1.9 U	7.6 U	3.8 U	3.8 U	3.8 U	3.8 U	0.76 U	0.76 U
Vinyl acetate	15 U	0.72 U	0.9 U	3.6 U	0.9 U	15 U	1.8 U	1.8 U	7.1 U	3.6 U	0.71 U	0.36 U
Vinyl chloride	280	370	180	48	21	2.6 U	2.7	3.2	1.3 U	1.6	1	0.26 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	CT IACTIND 2003	Indoor Air - Eastern Small Retail Space												
Parameter (ug/m^3)	(ug/m³)	IA-5 1/16/2009	IA-5-020309 2/3/2009	IA-5-021109 2/11/2009	IA-5-021809 2/18/2009	IA-5-022609 2/26/2009	IA-5-030609 3/6/2009	IA-5-041409 4/14/2009	IA-5-051509 5/15/2009	IA-5-061109 6/11/2009	IA-5-091709 9/17/2009	IA-5-122909 12/29/2009	IA-5-032610 3/26/2010	IA-5-070110 7/1/2010
1,1,1-Trichloroethane	500	48	0.92	0.27 U	0.27 U	0.27 U	0.27 U	0.98	0.27 U	0.27 U	0.27 U	0.27 U	0.38	0.27 U
1,1,2,2-Tetrachloroethane	0.14	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	12	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	430	1.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	20	0.58	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	NA	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.75 U	0.75 U	0.37 U
1,2,4-Trimethylbenzene	52	0.25 U	0.32	0.33	0.36	0.25 U	0.25 U	0.2	0.25 U	0.35	0.25 U	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.038	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	410	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.42	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	NA	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	52	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	NA	0.11 U	0.11 U	0.11 U	0.25	0.11 U	0.11 U	0.08 U	0.11 U	0.11 U	0.23 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	410	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	24	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	500	7.2	2.4	2.7	2.6	0.75	0.45	3.8	1.9	5.3	2.1	0.79	1.5	2.1
2-Hexanone	NA	0.2 U	0.48	0.38	0.27	0.2 U	0.2 U	0.47	0.45	1.1	0.48	0.2 U	0.23	0.44
4-Ethyltoluene	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.18	0.2 U	0.68	0.23	0.2 U	0.2 U	0.2 U
Acetone	500	32	11	21	20	9.5	6.5	14	14	46	16	15	11	18
Benzene	3.3	0.79	0.6	0.99	1.6	0.41	0.55	0.62	0.49	0.53	0.35	0.45	0.65	0.16 U
Benzyl chloride	NA	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.46	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	7.3	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	NA	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.23	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	NA	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.27	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.54	0.33	0.44	0.5	**0.55 [a]**	0.47	**0.61 [a]**	0.44	**0.64 [a]**	0.46	0.39	0.41	0.48	0.53
Chlorobenzene	200	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	500	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	**0.55**	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	80	1.1	1	1.5	1.4	1.1	1.1	1.1	1	1.4	1	2	1.2	1
cis-1,2-Dichloroethene	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	2.9	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U

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Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	CT IACTIND 2003	Indoor Air - Eastern Small Retail Space												
Parameter (ug/m^3)	(ug/m^3)	IA-5 1/16/2009	IA-5-020309 2/3/2009	IA-5-021109 2/11/2009	IA-5-021809 2/18/2009	IA-5-022609 2/26/2009	IA-5-030609 3/6/2009	IA-5-041409 4/14/2009	IA-5-051509 5/15/2009	IA-5-061109 6/11/2009	IA-5-091709 9/17/2009	IA-5-122909 12/29/2009	IA-5-032610 3/26/2010	IA-5-070110 7/1/2010
Cyclohexane	NA	0.17 U	0.17 U	0.38	0.41	0.17 U	0.17 U	0.12 U	0.17 U	0.4	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	500	2	2.2	2.5	2.7	2.6	2.6	1.9	2.5	2.2	2.1	1.9	1.8	2.4
Ethanol	NA	590	12	23	140	85	32	41	180	500	62	51	25	58
Ethyl acetate	NA	0.75	0.37 U	0.18 U	0.18 U	0.37 U	0.18 U	0.26 U	0.18 U	0.31	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	290	0.22 U	0.25	0.33	0.43	0.22 U	0.22 U	0.24	0.22 U	0.3	0.23	0.22 U	0.22 U	0.44
Hexachlorobutadiene	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	1.1 U	0.53 U	1.1 U	1.1 U	0.53 U
Hexane	NA	0.84	0.54	1.1	0.99	0.39	0.5	0.71	0.58	1	0.52	0.57	0.43	0.48
Isopropyl alcohol	NA	3.8	3.5	580	2.9	3	1.3	1.7	2	19	3.5	3.8	3.8	1.9
m,p-Xylene	500	0.6	0.74	0.91	1.2	0.43 U	0.43 U	0.68	0.51	0.88	0.59	0.43 U	0.46	1.2
Methylene chloride	17	2	3.6	5.2	1.1	1.2	0.74	2.5	2.9	2	0.7 U	4.3	2.2	1.3
Methyl-t-butyl ether	190	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	NA	0.2 U	0.2 U	0.36	0.35	0.2 U	0.2 U	0.23	0.38	0.48	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	500	0.23	0.27	0.35	0.47	0.22 U	0.22 U	0.23	0.23	0.32	0.22 U	0.22 U	0.22 U	0.31
Propylene (Propene)	NA	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.13 U	0.09 U	0.09 U	0.35 U	0.35 U	0.35 U	0.87 U
Styrene	290	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.15 U	0.21 U	1.5	0.3	0.21 U	0.35	0.32
Tetrachloroethene	5	0.39	0.34 U	0.43	0.43	0.34 U	0.34 U	0.24 U	0.47	0.34 U	0.41	0.34 U	0.34 U	0.34 U
Tetrahydrofuran	NA	3.2	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.11 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	500	1.3	1.1	3	3.3	0.65	0.51	1.5	2.8	2.8	1.5	0.54	1.5	0.7
trans-1,2-Dichloroethene	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	2.9	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	1	**5.5**	0.39	0.27 U	0.27 U	0.27 U	0.27 U	0.22	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Trichlorofluoromethane	500	3	1.3	1.7	1.8	1.5	1.7	1.2	1.3	2	1.2	1.8	1.4	1.5
Trichlorotrifluoroethane	NA	0.62	0.54	0.48	0.45	0.64	0.48	0.53	0.61	0.54	0.5	0.54	0.55	0.55
Vinyl acetate	NA	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.5 U	0.18 U	0.18 U	0.71 U	0.36 U	0.36 U	0.18 U
Vinyl chloride	1.9	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Center Small Retail Space												
Parameter (ug/m^3)	IA-6 1/16/2009	IA-6-020309 2/3/2009	IA-6-021109 2/11/2009	IA-6-021809 2/18/2009	IA-6-022609 2/26/2009	IA-6-030609 3/6/2009	IA-6-041409 4/14/2009	IA-6-051509 5/15/2009	IA-6-061109 6/11/2009	IA-6-091709 9/17/2009	IA-6-122909 12/29/2009	IA-6-032610 3/26/2010	IA-6-070110 7/1/2010
1,1,1-Trichloroethane	110	3.9	0.27 U	0.29	0.27 U	0.27 U	1.6	0.27 U	0.27 U	0.27 U	0.27 U	0.35	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	3.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	1.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.75 U	0.75 U	0.37 U
1,2,4-Trimethylbenzene	0.75	0.32	0.29	1.5	0.25 U	0.25 U	0.18 U	0.25 U	0.29	0.34	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.38	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.11 U	1.1	0.11 U	0.11 U	0.08 U	0.11 U	0.11 U	0.23 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.41	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	120	10	3.2	2.9	2.4	2.3	1	2.5	4.1	2.4	1.8	1.4	1.1
2-Hexanone	0.2 U	0.42	0.37	0.34	0.2 U	0.37	0.14 U	0.62	0.72	0.7	0.2 U	0.26	0.2 U
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.47	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.2 U	0.36	0.2 U	0.2 U	0.14 U	0.34	0.7	0.29	0.2 U	0.2 U	0.2 U
Acetone	44	14	14	25	11	8.5	6.1	11	28	20	14	6.5	14
Benzene	1	0.6	0.98	**4.1 [a]**	0.41	0.7	0.59	0.47	0.43	0.31	0.4	0.55	0.19
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.39	0.42	0.52	**0.59 [a]**	0.47	**0.6 [a]**	0.42	**0.77 [a]**	0.45	0.42	0.4	0.43	**0.55**
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.36
Chloromethane	1.3	0.9	1.4	1.5	1	1.1	1.1	1.1	1.9	0.97	1.8	1.4	1
cis-1,2-Dichloroethene	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Center Small Retail Space												
Parameter (ug/m^3)	IA-6 1/16/2009	IA-6-020309 2/3/2009	IA-6-021109 2/11/2009	IA-6-021809 2/18/2009	IA-6-022609 2/26/2009	IA-6-030609 3/6/2009	IA-6-041409 4/14/2009	IA-6-051509 5/15/2009	IA-6-061109 6/11/2009	IA-6-091709 9/17/2009	IA-6-122909 12/29/2009	IA-6-032610 3/26/2010	IA-6-070110 7/1/2010
Cyclohexane	0.17 U	0.17 U	0.25	0.91	0.17 U	0.17 U	0.12 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2	2.1	2.6	2.8	2.6	2.6	2	2.7	2.5	2.2	1.9	1.6	2.4
Ethanol	41	23	12	40	13	12	8.6	51	31	12	10	7.1	18
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.22	0.37 U	0.18 U	0.26 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.29	0.25	0.33	1.6	0.22 U	0.22 U	0.21	0.22 U	0.24	0.23	0.22 U	0.22 U	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	1.1 U	0.53 U	1.1 U	1.1 U	0.53 U
Hexane	1.2	0.78	0.7	2.6	0.33	0.4	0.63	0.38	0.68	0.45	0.18 U	0.22	1.3
Isopropyl alcohol	4.7	6.6	3.2	4.9	1.7	1.6	0.18 U	4.5	22	7	1.4	4.9	1
m,p-Xylene	0.82	0.72	0.84	4.9	0.43 U	0.43 U	0.51	0.43 U	0.67	0.62	0.43 U	0.51	0.58
Methylene chloride	2.5	5.2	0.59	1.6	0.83	0.69	2	2	2.6	0.7 U	2.9	0.7 U	4.5
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.27	0.2 U	0.32	1.3	0.2 U	0.2 U	0.21	0.2 U	0.26	0.2 U	0.2 U	0.2 U	1.4
o-Xylene	0.36	0.26	0.34	1.8	0.22 U	0.22 U	0.19	0.22 U	0.25	0.23	0.22 U	0.22 U	0.22 U
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.13 U	0.09 U	0.09 U	0.35 U	0.35 U	0.35 U	0.87 U
Styrene	0.21 U	0.21 U	0.21 U	0.28	0.21 U	0.21 U	0.15 U	0.25	0.21 U	0.23	0.21 U	0.21 U	0.24
Tetrachloroethene	1.2	0.34 U	0.45	1.2	0.34 U	0.34 U	0.72	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Tetrahydrofuran	77	2.8	0.32	0.15 U	0.15 U	0.15 U	0.22	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	1.8	1.3	2.5	11	0.65	0.71	1.3	0.81	2	1.1	0.49	1.6	1.7
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	**13**	**1.7**	0.27 U	0.34	0.27 U	0.27 U	0.6	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Trichlorofluoromethane	4.8	1.3	1.7	2.5	1.5	1.7	1.4	1.2	2.2	1.2	1.7	1.3	1.5
Trichlorotrifluoroethane	0.64	0.51	0.48	0.45	0.64	0.48	0.53	0.74	0.63	0.48	0.51	0.55	0.55
Vinyl acetate	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.5 U	0.18 U	0.18 U	0.71 U	0.36 U	0.36 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Western Small Retail Space												
Parameter (ug/m^3)	IA-7 1/16/2009	IA-7-020309 2/3/2009	IA-7-021109 2/11/2009	IA-7-021809 2/18/2009	IA-7-022609 2/26/2009	IA-7-030609 3/6/2009	IA-7-041409 4/14/2009	IA-7-051509 5/15/2009	IA-7-061109 6/11/2009	IA-7-091709 9/17/2009	IA-7-122909 12/29/2009	IA-7-032610 3/26/2010	IA-7-070110 7/1/2010
1,1,1-Trichloroethane	44	2.4	0.4	1.3	0.27 U	0.27 U	0.87	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	1.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.52	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.75 U	0.75 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.34	0.34	0.99	0.25 U	0.25 U	0.18 U	0.25 U	0.29	0.39	0.25 U	0.35	0.36
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.3
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.14	0.97	0.11 U	0.11 U	0.08 U	0.11 U	0.11 U	0.23 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	70	6.5	3.9	5.2	2.2	1.3	1.3	2.3	7.3	2.2	0.49	2.1	4.3
2-Hexanone	0.2 U	0.29	0.2 U	0.91	0.2 U	0.2 U	0.14 U	0.53	1.5	0.53	0.2 U	0.2 U	0.82
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.27	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.2 U	0.42	0.2 U	0.2 U	0.14 U	0.22	0.79	0.24	0.2 U	0.2 U	0.43
Acetone	29	12	13	32	7.8	6.6	6.5	10	31	22	31	12	41
Benzene	0.95	0.75	1.1	3.2	0.67	0.73	0.42	0.35	0.52	0.43	0.52	0.53	0.27
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.26	0.16 U	0.16 U	0.26	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.32	0.44	0.52	**0.56 [a]**	0.48	**0.6 [a]**	0.43	**0.65 [a]**	0.43	0.42	0.44	0.43	0.5
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	1.7	0.98	1.4	1.5	1	1.2	1.1	0.93	1.8	1.2	2.1	1.2	1.3
cis-1,2-Dichloroethene	0.29	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14	0.2 U	0.2 U	0.2 U	0.27	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U

Table 1.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Western Small Retail Space												
Parameter (ug/m^3)	IA-7 1/16/2009	IA-7-020309 2/3/2009	IA-7-021109 2/11/2009	IA-7-021809 2/18/2009	IA-7-022609 2/26/2009	IA-7-030609 3/6/2009	IA-7-041409 4/14/2009	IA-7-051509 5/15/2009	IA-7-061109 6/11/2009	IA-7-091709 9/17/2009	IA-7-122909 12/29/2009	IA-7-032610 3/26/2010	IA-7-070110 7/1/2010
Cyclohexane	0.17 U	0.17 U	0.32	0.7	0.17 U	0.17 U	0.12 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2.1	2.2	2.6	2.7	2.6	2.6	2	2.4	2.7	2.3	2.1	1.8	2.7
Ethanol	7.3	16	11	26	7.9	8.4	7.1	11	14	11	10	13	39
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.21	0.37 U	0.18 U	0.26 U	0.18 U	0.24	2.6	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.23	0.29	0.36	0.95	0.24	0.22 U	0.16 U	0.22 U	0.25	0.32	0.68	0.32	0.45
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	1.1 U	0.53 U	1.1 U	1.1 U	0.53 U
Hexane	0.9	0.87	0.91	2	1.1	0.6	0.69	0.33	1.5	0.88	0.25	0.33	0.7
Isopropyl alcohol	3.7	6.2	3.6	8.3	0.25 U	2.7	0.18 U	7	14	4	1.9	18	5.8
m,p-Xylene	0.61	0.82	0.94	2.8	0.73	0.43 U	0.31 U	0.43 U	0.72	0.86	2.8	0.82	1.2
Methylene chloride	1.9	5.7	0.92	1.5	6.3	1.4	4.2	2.3	5.7	0.7 U	2.9	0.7 U	1.3
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.2	0.2 U	0.37	1.2	0.2 U	0.2 U	0.17	0.2 U	0.34	0.37	0.2 U	0.29	0.5
o-Xylene	0.24	0.31	0.39	0.97	0.24	0.22 U	0.16 U	0.22 U	0.25	0.31	0.6	0.28	0.43
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.13 U	0.09 U	0.09 U	0.35 U	0.35 U	0.35 U	0.87 U
Styrene	0.21 U	0.21 U	0.21 U	0.26	0.21 U	0.21 U	0.15 U	0.21 U	0.29	0.39	0.21 U	0.26	0.7
Tetrachloroethene	1.6	0.34 U	0.65	0.63	0.34 U	0.34 U	0.48	0.34 U	0.34 U	0.34 U	1	0.34 U	0.34 U
Tetrahydrofuran	45	2.1	0.74	0.43	0.15 U	0.15 U	0.27	0.15 U	0.15 U	0.51	0.15 U	0.15 U	0.15 U
Toluene	1.5	1.6	2.7	7.5	1.5	0.76	0.48	0.61	2.3	4	0.57	7.2	8.4
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	**4.6**	**1.1**	0.28	0.58	0.27 U	0.27 U	0.3	0.27 U	0.27 U	0.27 U	0.4	0.27 U	0.27 U
Trichlorofluoromethane	4.7	1.4	1.7	3.1	1.6	1.7	1.3	1.1	1.9	1.3	1.7	1.3	1.3
Trichlorotrifluoroethane	0.62	0.57	0.47	0.44	0.66	0.45	0.54	0.69	0.57	0.51	0.54	0.64	0.54
Vinyl acetate	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.5 U	0.18 U	0.18 U	0.71 U	0.36 U	0.36 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

[a] Benzene and carbon tetrachloride are above the target air concentration, but are not compliance violations as indoor air concentrations are consistent with outdoor air concentrations that were sampled on the same day.

NA - not available
U - Not detected, value is the detection limit
ug/m^3 - micrograms per cubic meter

5 Bolded and shaded values are above the CT target indoor air concentration for industrial/commercial scenarios

Prepared by / Date: KJC 09/08/10
Checked by / Date: PJM 09/08/10

Table 2.
Vacuum Monitoring Results - Small Retail Spaces
Former Gorham Manufacturing Site
Providence, Rhode Island

	Pressure Differential (inches of water)		
Date	VMW-5	VMW-6	VMW-7
2/3/2009	-0.25	-0.17	0.00
2/18/2009	-0.212	-0.155	-0.011
2/26/2009	-0.230	-0.120	-0.025
3/6/2009	-0.200	-0.086	-0.012
4/14/2009	-0.108	-0.054	-0.014
5/15/2009	-0.081	-0.073	-0.016
6/11/2009	-0.090	-0.076	-0.098
9/17/2009	-0.110	-0.102	+0.074
12/29/2009**	-0.011	-0.010	-0.061
3/26/2010	-0.245	-0.142	-0.018
7/1/2010	-0.542	-0.114	-0.176

** ASD system offline.
Prepared by/Date: PJM 9/8/10
Checked by/Date: DEH 9/8/10

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Outdoor Air Reference Locations														
Parameter (ug/m^3)	AA-1 1/16/2009	AA-1-020309 2/3/2009	AA-1-021109 2/11/2009	AA-1-021809 2/18/2009	AA-1-022609 2/26/2009	AA-1-030609 3/6/2009	AA-1-033109 3/31/2009	AA-1-041409 4/14/2009	AA-1-042409 4/24/2009	AA-1-051509 5/15/2009	AA-1-061109 6/11/2009	AA-1-091709 9/17/2009	AA-1-092409 9/24/2009	AA-1-100109 10/1/2009	AA-1-100809 10/8/2009
1,1,1-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.28	0.52	1.8	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.29	0.3	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.5	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.17	1.3	0.11 U	0.11 U	0.11 U	0.08 U	0.11 U	0.11 U	0.11 U	0.23 U	0.23 U	0.23 U	0.23 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.53	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	0.58	1.2	2.4	3.2	1.6	0.67	1.7	0.11 U	1.6	1.6	1.1	1.7	0.84	1.2	1.2
2-Hexanone	0.2 U	0.22	0.57	0.35	0.2 U	0.2 U	0.2 U	0.14 U	0.26	0.39	0.2 U	0.34	0.2 U	0.33	0.23
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.6	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.27	0.63	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	7.3	8	15	22	8.4	5.9	12	1.1	27	9.5	10	10	9.6	5.4	17
Benzene	0.69	0.62	1.3	4.7	0.43	0.69	0.46	0.12 U	0.3	0.4	0.49	0.38	0.35	0.25	0.2
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.38	0.44	0.52	0.56	0.43	0.61	0.47	0.22 U	0.41	0.78	0.43	0.4	0.4	0.43	0.46
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	1.1	0.9	1.4	1.5	1.1	1.1	1.3	1.1	1.2	1.1	1.2	0.85	1.1	0.97	0.96
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.35	1.1	0.17 U	0.17 U	0.17 U	0.12 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2	2.2	2.6	2.7	2.6	2.6	2.8	2	2.5	2.7	2.6	2.1	2.1	2.2	2.1

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Outdoor Air Reference Locations														
Parameter (ug/m^3)	AA-1 1/16/2009	AA-1-020309 2/3/2009	AA-1-021109 2/11/2009	AA-1-021809 2/18/2009	AA-1-022609 2/26/2009	AA-1-030609 3/6/2009	AA-1-033109 3/31/2009	AA-1-041409 4/14/2009	AA-1-042409 4/24/2009	AA-1-051509 5/15/2009	AA-1-061109 6/11/2009	AA-1-091709 9/17/2009	AA-1-092409 9/24/2009	AA-1-100109 10/1/2009	AA-1-100809 10/8/2009
Ethanol	4	5.4	10	47	4.3	3.5	4.7	0.81	4.9	4.8	8.6	6.6	4.6	3.9	4.9
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.31	0.37 U	0.18 U	0.18 U	0.26 U	0.37 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.22 U	0.25	0.52	2	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.24	0.22 U	0.23	0.22 U	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	1.1 U	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U
Hexane	1.5	0.75	1.1	2.9	0.38	2.8	2.2	0.13 U	0.56	0.37	0.59	0.48	1.4	0.45	4.5
Isopropyl alcohol	1.4	1.4	1.8	4.3	1.4	0.67	1.4	0.18 U	14	1	2.5	2.8	0.87	0.63	0.25 U
m,p-Xylene	0.43 U	0.72	1.4	6.4	0.44	0.43 U	0.43 U	0.31 U	0.43 U	0.49	0.73	0.62	0.59	0.43 U	0.43 U
Methylene chloride	5.5	3.1	0.65	1.5	0.78	7.4	15	2.1	2.8	1.7	1.9	0.7 U	4.2	0.7 U	23
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.27	0.92	1.6	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.4	0.23	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	0.22 U	0.27	0.53	2.2	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.24	0.27	0.23	0.22 U	0.22 U	0.22 U
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U	0.13 U	0.18 U	0.09 U	0.09 U	0.35 U	0.35 U	0.18 U	0.35 U
Styrene	0.21 U	0.21 U	0.21 U	0.28	0.21 U	0.21 U	0.21 U	0.15 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
Tetrachloroethene	0.34 U	0.34 U	0.73	0.77	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.52	0.34 U	0.34 U	0.34 U
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.11 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	1.2	0.15 U
Toluene	0.94	1.5	3.2	14	0.71	0.99	0.82	0.14 U	0.72	2.6	2.1	1.9	2	0.61	0.5
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.27 U	0.27 U	0.27 U	0.39	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Trichlorofluoromethane	1.3	1.2	1.7	2.4	1.5	2	1.7	0.92	1.3	1.5	2	1.1	1.4	1.2	1.5
Trichlorotrifluoroethane	0.68	0.53	0.5	0.47	0.64	0.48	0.51	0.27 U	0.64	0.67	0.56	0.47	0.49	0.45	0.46
Vinyl acetate	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.18 U	0.5 U	0.71 U	0.18 U	0.18 U	0.71 U	0.71 U	0.71 U	0.71 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Outdoor Air Reference Locations									Extraction Well - Large Retail Space				
Parameter (ug/m^3)	AA-1-122909 12/29/2009	AA-1-012810 1/28/2010	AA-1-020510 2/5/2010	AA-1-021210 2/12/2010	AA-1-021910 2/19/2010	AA-1-032610 3/26/2010	AA-1-043010 4/30/2010	AA-1-052810 5/28/2010	AA-1-070110 7/1/2010	EW-Combined-020309 2/3/2009	EW-COMBINED-021109 2/11/2009	EW-COMBINED-021809 2/18/2009	EW-COMBINED-022609 2/26/2009	EW-COMBINED 041409 4/14/2009
1,1,1-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	190000	91000	73000	32000	3500
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	6.8 U	6.8 U	14 U	14 U	6.8 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	5.4 U	5.4 U	11 U	11 U	5.4 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	19000	7800	5300	4800	390
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	7800	1800	1000	630	73
1,2,4-Trichlorobenzene	0.75 U	0.37 U	0.37 U	0.37 U	0.37 U	0.75 U	0.37 U	0.37 U	0.37 U	7.4 U	7.4 U	15 U	15 U	7.4 U
1,2,4-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	5 U	5 U	10 U	10 U	5 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	7.6 U	7.6 U	16 U	16 U	7.6 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	6 U	6 U	12 U	12 U	6 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	8 U	8 U	4 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	4.6 U	4.6 U	9.2 U	9.2 U	4.6 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	7 U	7 U	14 U	14 U	7 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	5 U	5 U	10 U	10 U	5 U
1,3-Butadiene	0.11 U	0.23 U	0.23 U	0.23 U	0.23 U	0.11 U	0.23 U	0.11 U	0.11 U	2.2 U	2.2 U	4.4 U	4.4 U	2.2 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	6 U	6 U	12 U	12 U	6 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	6 U	6 U	12 U	12 U	6 U
2-Butanone	2.0	0.81	1.6	1.6	0.88	1.5	1.4	2.4	2.3	37	32	48	60	21
2-Hexanone	0.2 U	0.2 U	0.32	0.2 U	0.2 U	0.29	0.29	0.49	0.49	4 U	4 U	8 U	8 U	4 U
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	5 U	5 U	10 U	10 U	5 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.2 U	0.34	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	8 U	8 U	4 U
Acetone	11	3.5	7.6	5.0	3.7	9.5	12	20	13	1600	31	75	63	4.8 U
Benzene	0.42	0.79	0.68	0.63	0.41	0.69	0.35	0.19	0.16 U	14	7.3	8.4	6.4 U	3.2 U
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	5.2 U	5.2 U	11 U	11 U	5.2 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	6.6 U	6.6 U	14 U	14 U	6.6 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	11 U	11 U	21 U	21 U	11 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	3.8 U	3.8 U	7.6 U	7.6 U	3.8 U
Carbon disulfide	0.16 U	0.28	0.16 U	0.16 U	0.44	0.16 U	0.16 U	0.16 U	0.16 U	3.2 U	63	32	20	3.2 U
Carbon tetrachloride	0.39	0.42	0.39	0.31 U	0.43	0.49	0.47	0.52	0.51	6.2 U	6.2 U	13 U	13 U	6.2 U
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	4.6 U	4.6 U	9.2 U	9.2 U	4.6 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	3400	1700	1200	450	42
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	27	17	20	17	4.8 U
Chloromethane	1.6	1.1	1.2	1.3	1.1	1.4	0.78	1.1	0.96	2 U	2 U	4 U	4 U	2 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	14000	4700	6300	4200	300
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	4.4 U	4.4 U	8.8 U	8.8 U	4.4 U
Cyclohexane	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	3.4 U	3.4 U	6.8 U	6.8 U	3.4 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	8.6 U	8.6 U	18 U	18 U	8.6 U
Dichlorodifluoromethane	2.1	2.3	2.4	2.5	2.9	1.8	2.1	2.5	2.4	5 U	5 U	10 U	110	5 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Outdoor Air Reference Locations									Extraction Well - Large Retail Space				
Parameter (ug/m^3)	AA-1-122909 12/29/2009	AA-1-012810 1/28/2010	AA-1-020510 2/5/2010	AA-1-021210 2/12/2010	AA-1-021910 2/19/2010	AA-1-032610 3/26/2010	AA-1-043010 4/30/2010	AA-1-052810 5/28/2010	AA-1-070110 7/1/2010	EW-Combined-020309 2/3/2009	EW-COMBINED-021109 2/11/2009	EW-COMBINED-021809 2/18/2009	EW-COMBINED-022609 2/26/2009	EW-COMBINED 041409 4/14/2009
Ethanol	3.8	5.4	5.1	7.2	1.2	4.9	4	3.3	4	960	81	120	120	17
Ethyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	1.1	0.18 U	0.18 U	0.18 U	0.18 U	7.3 U	3.6 U	7.2 U	15 U	7.3 U
Ethylbenzene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.82	9.4	4.4 U	8.8 U	8.8 U	4.4 U
Hexachlorobutadiene	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U	22 U	22 U	43 U	43 U	22 U
Hexane	0.62	0.36	0.53	0.91	0.24	0.23	1.1	0.51	0.37	16	4.9	270	7.2 U	3.6 U
Isopropyl alcohol	0.54	0.56	2.7	1.5	0.8	0.73	0.69	1.6	0.79	610	2.4 U	15	9.9 U	5 U
m,p-Xylene	0.43 U	0.43 U	0.50	0.47	0.43 U	0.49	0.43 U	0.43 U	2.2	25	8.6 U	18 U	18 U	8.6 U
Methylene chloride	4.6	1.3	1.9	1.7	0.7 U	0.7 U	0.7 U	0.35 U	1.1	12	7 U	14 U	14 U	19
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	3.6 U	3.6 U	7.2 U	7.2 U	3.6 U
n-Heptane	0.2 U	0.26	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	8 U	8 U	4 U
o-Xylene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.46	8.4	4.4 U	8.8 U	8.8 U	4.4 U
Propylene (Propene)	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.87 U	0.87 U	3.5 U	100	3.6 U	6.9 U	3.5 U
Styrene	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	4.2 U	4.2 U	8.4 U	8.4 U	4.2 U
Tetrachloroethene	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	140	60	430	540	47
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.19	0.15 U	0.15 U	0.15 U	0.15 U	77	77	150	180	66
Toluene	0.78	0.94	0.64	0.97	0.46	1.1	0.75	0.63	0.57	36	3.8 U	7.6 U	7.6 U	3.8 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	110	61	47	47	4.6
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	4.4 U	4.4 U	8.8 U	8.8 U	4.4 U
Trichloroethene	0.27 U	0.27 U	0.27 U	0.30	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	36000	17000	26000	13000	1400
Trichlorofluoromethane	2.2	1.2	1.2	1.6	1.5	1.5	1.2	1.4	1.3	9900	2300	1800	1000	98
Trichlorotrifluoroethane	0.54	0.49	0.55	0.54	0.54	0.62	0.45	0.58	0.56	7.6 U	7.6 U	16 U	16 U	7.6 U
Vinyl acetate	0.36 U	0.71 U	0.71 U	0.71 U	0.71 U	0.36 U	0.71 U	0.18 U	0.18 U	15 U	3.6 U	7.2 U	29 U	15 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	110	20	10	5.2 U	2.6 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Large Retail Space													
Parameter (ug/m^3)	EW-COMBINED-042409 4/24/2009	EW-COMBINED-091709 9/17/2009	EW-COMBINED-092409 9/24/2009	EW-COMBINED-100109 10/1/2009	EW-COMBINED-100809 10/8/2009	EW-COMBINED-012810 1/28/2010	EW-COMBINED-020510 2/5/2010	EW-COMBINED-021210 2/12/2010	EW-COMBINED-021910 2/19/2010	EW-COMBINED-043010 4/30/2010	EW-COMBINED-052810 5/28/2010	EW-COMBINED-070110 7/1/2010	EW-1-030609 3/6/2009	EW-1-033109 3/31/2009
1,1,1-Trichloroethane	19000	11000	8100	7900	6800	1500	2500	150	1200	1400	1700	2000	59000	66000
1,1,2,2-Tetrachloroethane	0.34 U	3.4 U	6.8 U	14 U	14 U	0.68 U	6.8 U	0.34 U	0.68 U	0.68 U	6.8 U	0.68 U	6.8 U	6.8 U
1,1,2-Trichloroethane	0.65	2.7 U	5.4 U	11 U	11 U	0.54 U	5.4 U	0.27 U	0.54 U	0.54 U	5.4 U	0.54 U	6.4	10
1,1-Dichloroethane	2200	1600	1900	1900	1700	280	370	31	310	200	270	290	4100	4400
1,1-Dichloroethene	420	310	250	260	280	52	66	7.3	62	30	40	52	570	1200
1,2,4-Trichlorobenzene	0.37 U	3.7 U	7.4 U	15 U	15 U	0.74 U	7.4 U	0.37 U	0.74 U	0.74 U	7.4 U	0.74 U	7.4 U	7.4 U
1,2,4-Trimethylbenzene	0.25 U	2.5 U	5 U	10 U	10 U	0.5 U	5 U	0.25 U	0.5 U	0.5 U	5 U	0.5 U	5 U	5 U
1,2-Dibromoethane (EDB)	0.38 U	3.8 U	7.6 U	16 U	16 U	0.76 U	7.6 U	0.38 U	0.76 U	0.76 U	7.6 U	0.76 U	7.6 U	7.6 U
1,2-Dichlorobenzene	0.3 U	3 U	6 U	12 U	12 U	0.6 U	6 U	0.3 U	0.6 U	0.6 U	6 U	0.6 U	6 U	6 U
1,2-Dichloroethane	0.2 U	2 U	4 U	8 U	8 U	0.4 U	4 U	0.2 U	0.4 U	0.4 U	4 U	0.4 U	4 U	4 U
1,2-Dichloropropane	0.23 U	2.3 U	4.6 U	9.2 U	9.2 U	0.46 U	4.6 U	0.23 U	0.46 U	0.46 U	4.6 U	0.46 U	4.6 U	4.6 U
1,2-Dichlorotetrafluoroethane	0.35 U	3.5 U	7 U	14 U	14 U	0.7 U	7 U	0.35 U	0.7 U	0.7 U	7 U	0.7 U	7 U	7 U
1,3,5-Trimethylbenzene	0.25 U	2.5 U	5 U	10 U	10 U	0.5 U	5 U	0.25 U	0.5 U	0.5 U	5 U	0.5 U	5 U	5 U
1,3-Butadiene	0.11 U	2.3 U	4.5 U	8.9 U	8.9 U	0.45 U	4.5 U	0.23 U	0.45 U	0.45 U	2.2 U	0.22 U	2.2 U	2.2 U
1,3-Dichlorobenzene	0.3 U	3 U	6 U	12 U	12 U	0.6 U	6 U	0.3 U	0.6 U	0.6 U	6 U	0.6 U	6 U	6 U
1,4-Dichlorobenzene	0.3 U	3 U	6 U	12 U	12 U	0.6 U	6 U	0.3 U	0.6 U	0.6 U	6 U	0.6 U	6 U	6 U
2-Butanone	40	7.8	31	30	21	4	11	10	9.0	12.0	22.0	22	3.5	8.9
2-Hexanone	0.5	2 U	4 U	8 U	8 U	0.4 U	4 U	0.2 U	0.4 U	0.4 U	4 U	0.4 U	4 U	4 U
4-Ethyltoluene	0.25 U	2.5 U	5 U	10 U	10 U	0.5 U	5 U	0.25 U	0.5 U	0.5 U	5 U	0.5 U	5 U	5 U
4-Methyl-2-pentanone	0.59	2 U	4 U	8 U	8 U	0.4 U	4 U	0.28	0.4 U	0.4 U	4 U	0.4 U	4 U	4 U
Acetone	0.24 U	20	9.6 U	20 U	20 U	31	9.6 U	13	0.96 U	16	24	16	35	16
Benzene	2.5	2.7	3.2 U	6.4 U	6.4 U	0.61	3.2 U	0.63	0.43	0.74	5.5	0.84	5.3	11
Benzyl chloride	0.26 U	2.6 U	5.2 U	11 U	11 U	0.52 U	5.2 U	0.26 U	0.52 U	0.52 U	5.2 U	0.52 U	5.2 U	5.2 U
Bromodichloromethane	0.33 U	3.3 U	6.6 U	14 U	14 U	0.66 U	6.6 U	0.33 U	0.66 U	0.66 U	6.6 U	0.66 U	6.6 U	6.6 U
Bromoform	0.51 U	5.1 U	11 U	21 U	21 U	1.1 U	11 U	0.51 U	1.1 U	1.1 U	11 U	1.1 U	11 U	11 U
Bromomethane	0.19 U	1.9 U	3.8 U	7.6 U	7.6 U	0.38 U	3.8 U	0.19 U	0.38 U	0.38 U	3.8 U	0.38 U	3.8 U	3.8 U
Carbon disulfide	4.6	1.6 U	3.2 U	6.4 U	6.4 U	4.3	3.2 U	0.17	3.8	0.77	3.2 U	1.1	3.2 U	3.2 U
Carbon tetrachloride	0.57	3.1 U	6.2 U	13 U	13 U	0.62 U	6.2 U	0.38	0.62 U	0.62 U	6.2 U	0.73	6.2 U	6.2 U
Chlorobenzene	0.23 U	2.3 U	4.6 U	9.2 U	9.2 U	0.46 U	4.6 U	0.23 U	0.46 U	0.46 U	7.2	0.46 U	4.6 U	4.6 U
Chloroethane	220	110	94	92	88	9.8	11	1.3	9.9	4.8	7.2	9.4	170	250
Chloroform	8.8	12	14	11	11	4.1	5.8	0.49	6.2	6	7.9	8	20	34
Chloromethane	8.2	1 U	2 U	4 U	4 U	0.2 U	2 U	0.1 U	0.2 U	0.2 U	2 U	0.2 U	2 U	2 U
cis-1,2-Dichloroethene	1600	1600	1500	1300	1200	190	280	21	240	180	260	260	2000	2200
cis-1,3-Dichloropropene	0.22 U	2.2 U	4.4 U	8.8 U	8.8 U	0.44 U	4.4 U	0.22 U	0.44 U	0.44 U	4.4 U	0.44 U	4.4 U	4.4 U
Cyclohexane	0.17 U	1.7 U	3.4 U	6.8 U	6.8 U	0.34 U	3.4 U	0.17 U	0.34 U	0.34 U	3.4 U	0.34 U	3.4 U	5.7
Dibromochloromethane	0.43 U	4.3 U	8.6 U	18 U	18 U	0.86 U	8.6 U	0.43 U	0.86 U	0.86 U	8.6 U	0.86 U	8.6 U	8.6 U
Dichlorodifluoromethane	2.8	2.5 U	5 U	10 U	10 U	2.4	5 U	2.2	2.7	1.7	5 U	2.5	5 U	170

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Large Retail Space													
Parameter (ug/m^3)	EW-COMBINED-042409 4/24/2009	EW-COMBINED-091709 9/17/2009	EW-COMBINED-092409 9/24/2009	EW-COMBINED-100109 10/1/2009	EW-COMBINED-100809 10/8/2009	EW-COMBINED-012810 1/28/2010	EW-COMBINED-020510 2/5/2010	EW-COMBINED-021210 2/12/2010	EW-COMBINED-021910 2/19/2010	EW-COMBINED-043010 4/30/2010	EW-COMBINED-052810 5/28/2010	EW-COMBINED-070110 7/1/2010	EW-1-030609 3/6/2009	EW-1-033109 3/31/2009
Ethanol	21	200	96	32	33	39	60	23	62	10	19 U	15	33	40
Ethyl acetate	0.37 U	1.8 U	3.6 U	7.2 U	7.2 U	0.36 U	3.6 U	0.18 U	0.36 U	0.36 U	3.6 U	0.36 U	3.6 U	3.6 U
Ethylbenzene	0.22 U	2.2 U	4.4 U	8.8 U	8.8 U	0.44 U	4.4 U	0.22 U	0.44 U	0.44 U	4.4 U	0.44 U	4.4 U	4.4 U
Hexachlorobutadiene	1.1 U	5.3 U	11 U	22 U	22 U	1.1 U	11 U	0.53 U	1.1 U	1.1 U	11 U	1.1 U	22 U	22 U
Hexane	2.3	1.9	3.6 U	7.2 U	7.2 U	0.36 U	3.6 U	0.74	0.36 U	0.92	3.6 U	0.44	3.6 U	3.6 U
Isopropyl alcohol	0.25 U	22	5 U	9.9 U	9.9 U	2.3	5 U	1.0	0.5 U	2.6	2.4 U	0.24 U	28	2.4 U
m,p-Xylene	0.43 U	4.3 U	8.6 U	18 U	18 U	0.86 U	8.6 U	0.49	0.86 U	0.86 U	8.6 U	0.86 U	8.6 U	8.6 U
Methylene chloride	2.6	7 U	14 U	28 U	28 U	1.4 U	14 U	2.6	1.4 U	1.4 U	7 U	2.1	7 U	19
Methyl-t-butyl ether	0.18 U	1.8 U	3.6 U	7.2 U	7.2 U	0.36 U	3.6 U	0.18 U	0.36 U	0.36 U	3.6 U	0.36 U	3.6 U	3.6 U
n-Heptane	0.2 U	2 U	4 U	8 U	8 U	0.4 U	4 U	0.2 U	0.4 U	0.4 U	4 U	0.4 U	4 U	4 U
o-Xylene	0.22 U	2.2 U	4.4 U	8.8 U	8.8 U	0.44 U	4.4 U	0.22 U	0.44 U	0.44 U	4.4 U	0.44 U	4.4 U	4.4 U
Propylene (Propene)	0.18 U	3.5 U	6.9 U	6.9 U	14 U	0.69 U	6.9 U	0.35 U	0.69 U	0.69 U	18 U	1.8 U	1.8 U	1.8 U
Styrene	0.21 U	2.1 U	4.2 U	8.4 U	8.4 U	0.42 U	4.2 U	0.21 U	0.42 U	0.42 U	4.2 U	0.42 U	4.2 U	4.2 U
Tetrachloroethene	110	110	260	67	72	4.6	200	4.8	45	450	1300	640	600	1200
Tetrahydrofuran	110	1.5 U	96	85	67	15	32	28	43	34	54	65	6.3	21
Toluene	0.59	3.4	4.7	7.6 U	7.6 U	0.38 U	3.8 U	3.6	0.38 U	0.75	3.8 U	0.41	3.8 U	3.8 U
trans-1,2-Dichloroethene	33	29	34	30	26	3.4	4.6	0.36	4.1	3	4.6	5.5	9.2	23
trans-1,3-Dichloropropene	0.22 U	2.2 U	4.4 U	8.8 U	8.8 U	0.44 U	4.4 U	0.22 U	0.44 U	0.44 U	4.4 U	0.44 U	4.4 U	4.4 U
Trichloroethene	6200	4000	3600	4000	4300	390	1400	58	460	1200	2000	1700	31000	42000
Trichlorofluoromethane	600	1800	1400	1500	1500	260	230	29	230	210	300	440	520	540
Trichlorotrifluoroethane	0.74	3.8 U	7.6 U	16 U	16 U	0.76 U	7.6 U	0.53	0.76 U	0.76 U	7.6 U	0.76 U	7.6 U	7.6 U
Vinyl acetate	0.71 U	7.1 U	15 U	29 U	29 U	1.5 U	15 U	0.71 U	1.5 U	1.5 U	3.6 U	0.36 U	3.6 U	3.6 U
Vinyl chloride	3.4	1.3 U	2.6 U	5.2 U	5.2 U	0.26 U	2.6 U	0.13 U	0.26 U	0.26 U	2.6 U	0.26 U	2.7	4.8

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Large Retail Space						Post Treatment - Large Retail Space						
Parameter (ug/m^3)	EW-2-030609 3/6/2009	EW-2-033109 3/31/2009	EW-3-030609 3/6/2009	EW-3-033109 3/31/2009	EW-4-030609 3/6/2009	EW-4-033109 3/31/2009	Post carbon-020309 2/3/2009	POST CARBON-021109 2/11/2009	POST CARBON-021809 2/18/2009	POST CARBON-022609 2/26/2009	POST CARBON-041409 4/14/2009	POST CARBON-100809 10/8/2009	Post-Carbon-010810 1/8/2010
1,1,1-Trichloroethane	26000	30000	54000	72000	11000	14000	1	15	45	1.9	13000	0.56	450
1,1,2,2-Tetrachloroethane	6.8 U	6.8 U	6.8 U	6.8 U	1.7 U	6.8 U	0.34 U	1.7 U	0.68 U	0.68 U	68 U	0.34 U	0.34 U
1,1,2-Trichloroethane	5.4 U	5.4 U	5.4 U	5.4 U	1.4 U	5.4 U	0.27 U	1.4 U	0.54 U	0.54 U	54 U	0.27 U	0.27 U
1,1-Dichloroethane	5700	7000	1600	2300	690	1400	0.2 U	1 U	5.4	11000	490	370	610
1,1-Dichloroethene	330	640	340	560	97	210	0.2 U	1 U	0.4 U	6400	96	78	87
1,2,4-Trichlorobenzene	7.4 U	7.4 U	7.4 U	7.4 U	1.9 U	7.4 U	0.37 U	1.9 U	0.74 U	0.74 U	74 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	5 U	1.3 U	5 U	0.25 U	1.3 U	0.5 U	0.5 U	50 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	7.6 U	0.38 U	1.9 U	0.76 U	0.76 U	76 U	0.38 U	0.38 U
1,2-Dichlorobenzene	6 U	6 U	6 U	6 U	1.5 U	6 U	0.3 U	1.5 U	0.6 U	0.6 U	60 U	0.3 U	0.3 U
1,2-Dichloroethane	4 U	4 U	4 U	4 U	1 U	4 U	0.2 U	1 U	0.4 U	0.4 U	40 U	0.2 U	0.2 U
1,2-Dichloropropane	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	4.6 U	0.23 U	1.2 U	0.46 U	0.46 U	46 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	7 U	7 U	7 U	7 U	1.8 U	7 U	0.35 U	1.8 U	0.7 U	0.7 U	70 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	5 U	1.3 U	5 U	2.1	1.3 U	0.5 U	0.5 U	50 U	0.25 U	0.25 U
1,3-Butadiene	2.2 U	2.2 U	2.2 U	2.2 U	0.55 U	2.2 U	0.11 U	0.55 U	0.22 U	0.22 U	22 U	0.23 U	0.23 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	1.5 U	6 U	2.9	1.5 U	0.6 U	0.6 U	60 U	0.3 U	0.3 U
1,4-Dichlorobenzene	6 U	6 U	6 U	6 U	1.5 U	6 U	0.3 U	1.5 U	0.6 U	0.6 U	60 U	0.3 U	0.3 U
2-Butanone	12	11	36	10	36	6.4	10	6.3	9.4	5.5	330	1.9	2.0
2-Hexanone	4 U	4 U	4 U	4 U	1 U	4 U	0.2 U	1 U	0.4 U	0.4 U	13000	0.27	0.34
4-Ethyltoluene	5 U	5 U	5 U	5 U	1.3 U	5 U	2.1	1.3 U	0.5 U	0.5 U	50 U	0.25 U	0.25 U
4-Methyl-2-pentanone	4 U	4 U	4 U	4 U	1 U	4 U	5	1 U	0.4 U	0.4 U	40 U	0.2 U	0.2 U
Acetone	9.6 U	9.6 U	53	24	26	12	1200	11	19	12	430	3.6	5.7
Benzene	5.6	7.8	3.2 U	6.8	1.4	3.2 U	1.3	0.8 U	0.32 U	0.32 U	32 U	0.16 U	0.16 U
Benzyl chloride	5.2 U	5.2 U	5.2 U	5.2 U	1.3 U	5.2 U	0.26 U	1.3 U	0.52 U	0.52 U	52 U	0.26 U	0.26 U
Bromodichloromethane	6.6 U	6.6 U	6.6 U	6.6 U	1.7 U	6.6 U	0.33 U	1.7 U	0.66 U	0.66 U	66 U	0.33 U	0.33 U
Bromoform	11 U	11 U	11 U	11 U	2.6 U	11 U	0.51 U	2.6 U	1.1 U	1.1 U	110 U	0.51 U	0.51 U
Bromomethane	3.8 U	3.8 U	3.8 U	3.8 U	0.95 U	3.8 U	0.19 U	0.95 U	0.38 U	0.38 U	38 U	0.19 U	0.19 U
Carbon disulfide	27	25	3.2 U	3.2 U	1.8	3.2 U	0.16 U	0.8 U	4.1	27	250	0.16 U	0.20
Carbon tetrachloride	6.2 U	6.2 U	6.2 U	6.2 U	1.6 U	6.2 U	0.38	1.6 U	0.62 U	0.62 U	62 U	0.31 U	0.31 U
Chlorobenzene	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	4.6 U	0.23 U	1.2 U	0.46 U	0.46 U	46 U	0.23 U	0.23 U
Chloroethane	700	590	41	44	17	33	0.13 U	5100	1800	480	64	19	10
Chloroform	9.6	15	13	23	3.6	7.5	0.24 U	1.2 U	0.48 U	0.67	48 U	0.24 U	6.8
Chloromethane	2 U	2 U	2 U	2 U	0.5 U	2 U	0.59	0.5 U	0.2 U	0.2 U	23	0.1 U	0.1 U
cis-1,2-Dichloroethene	6100	7600	610	1200	560	1300	0.27	1 U	3.9	5200	820	230	570
cis-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	0.22 U	1.1 U	0.44 U	0.44 U	44 U	0.22 U	0.22 U
Cyclohexane	8.4	8.8	3.4 U	3.4 U	0.85 U	3.4 U	0.93	0.85 U	0.34 U	0.34 U	34 U	0.17 U	0.17 U
Dibromochloromethane	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	8.6 U	0.43 U	2.2 U	0.86 U	0.86 U	86 U	0.43 U	0.43 U
Dichlorodifluoromethane	5 U	5 U	5.4	7	2.6	5 U	0.76	4.1	3	2.4	50 U	1.7	1.9

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Extraction Well - Large Retail Space						Post Treatment - Large Retail Space						
Parameter (ug/m^3)	EW-2-030609 3/6/2009	EW-2-033109 3/31/2009	EW-3-030609 3/6/2009	EW-3-033109 3/31/2009	EW-4-030609 3/6/2009	EW-4-033109 3/31/2009	Post carbon-020309 2/3/2009	POST CARBON-021109 2/11/2009	POST CARBON-021809 2/18/2009	POST CARBON-022609 2/26/2009	POST CARBON-041409 4/14/2009	POST CARBON-100809 10/8/2009	Post-Carbon-010810 1/8/2010
Ethanol	12	8.3	39	1.8 U	8.6	1.8 U	740	36	25	9.8	110	0.38 U	2.8
Ethyl acetate	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	3.6 U	0.37 U	0.9 U	0.36 U	0.73 U	73 U	0.18 U	0.18 U
Ethylbenzene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	10	1.1 U	0.44 U	0.44 U	44 U	0.22 U	0.22 U
Hexachlorobutadiene	22 U	22 U	22 U	22 U	5.4 U	22 U	1.1 U	5.4 U	2.2 U	2.2 U	220 U	0.53 U	0.53 U
Hexane	3.6 U	6.6	3.6 U	3.6 U	3.2	3.6 U	3	0.9 U	46	0.36 U	36 U	0.18 U	0.23
Isopropyl alcohol	2.4 U	2.4 U	26	5.9	7.5	7.1	450	2.9	3.1	47	290	0.25 U	1.4
m,p-Xylene	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	8.6 U	27	2.2 U	0.86 U	0.86 U	86 U	0.43 U	0.43 U
Methylene chloride	7 U	17	7 U	13	19	12	20	76	17	3	810	0.7 U	0.72
Methyl-t-butyl ether	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	3.6 U	0.18 U	0.9 U	0.36 U	0.36 U	36 U	0.18 U	0.18 U
n-Heptane	4 U	4 U	4 U	4 U	1 U	4 U	1.8	1 U	0.4 U	0.4 U	40 U	0.2 U	0.2 U
o-Xylene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	9.5	1.1 U	0.44 U	0.44 U	44 U	0.22 U	0.22 U
Propylene (Propene)	1.8 U	1.8 U	1.8 U	1.8 U	0.45 U	1.8 U	0.18 U	98	0.18 U	0.35 U	35 U	0.35 U	0.35 U
Styrene	4.2 U	4.2 U	4.2 U	4.2 U	1.1 U	4.2 U	3.4	1.1 U	0.42 U	0.42 U	42 U	0.21 U	0.21 U
Tetrachloroethene	2300	2500	73	310	31	170	0.72	1.7 U	1.1	0.68 U	68 U	0.52	1.9
Tetrahydrofuran	19	3 U	32	14	37	5.1	6.8	22	40	18	210	4.1	6.5
Toluene	3.8 U	3.8 U	3.8 U	3.8 U	1.4	3.8 U	29	0.95 U	0.65	0.38 U	38 U	0.19 U	0.36
trans-1,2-Dichloroethene	69	180	4 U	8.8	2.5	8	0.2 U	1 U	0.4 U	28	40 U	7.7	15
trans-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	0.22 U	1.1 U	0.44 U	0.44 U	44 U	0.22 U	0.22 U
Trichloroethene	25000	25000	8600	19000	2700	5500	2	11	16	2.7	54 U	1	1.0
Trichlorofluoromethane	1300	1800	430	840	240	370	0.71	1.4 U	23	6700	84	180	210
Trichlorotrifluoroethane	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	7.6 U	1.3	1.9 U	0.76 U	0.76 U	76 U	0.38 U	0.51
Vinyl acetate	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	3.6 U	0.71 U	0.9 U	0.36 U	1.5 U	150 U	0.71 U	0.71 U
Vinyl chloride	9.4	8.1	2.6 U	2.6 U	0.65	2.6 U	0.13 U	30	13	4.5	26 U	0.13 U	0.13 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

Parameter (ug/m^3)	CT IACTIND 2003 (ug/m^3)	Indoor Air - Large Retail Space												
		IA-1 1/16/2009	IA-1-020309 2/3/2009	IA-1-021109 2/11/2009	IA-1-021809 2/18/2009	IA-1-022609 2/26/2009	IA-1-030609 3/6/2009	IA-1-033109 3/31/2009	IA-1-041409 4/14/2009	IA-1-042409 4/24/2009	IA-1-091709 9/17/2009	IA-1-092409 9/24/2009	IA-1-100109 10/1/2009	IA-1-100809 10/8/2009
1,1,1-Trichloroethane	500	10	0.56	1.1	0.99	0.35	1.8	1.5	1.4	2	0.27 U	0.27 U	0.27 U	0.27 U
1,1,2,2-Tetrachloroethane	0.14	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	12	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	430	0.71	0.2 U	0.2 U	0.2 U	0.27	0.32	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	20	0.38	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	NA	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	52	0.25 U	0.36	0.7	0.77	0.25 U	0.25 U	0.25 U	0.18 U	0.48	0.29	0.35	0.28	0.51
1,2-Dibromoethane (EDB)	0.038	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	410	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.42	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	NA	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	52	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	NA	0.11 U	0.11 U	0.34	0.84	0.11 U	0.11 U	0.11 U	0.08 U	0.11 U	0.23 U	0.23 U	0.23 U	0.23 U
1,3-Dichlorobenzene	410	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	24	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	500	20	3.1	5.8	3.4	2.6	2.2	1.3	1.2	4.4	2	2.6	2.7	1.3
2-Hexanone	NA	0.2 U	0.2 U	0.6	0.42	0.2 U	0.23	0.2 U	0.14 U	0.48	0.43	0.52	0.73	0.31
4-Ethyltoluene	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	200	0.2 U	0.2 U	0.43	0.3	0.2 U	0.2 U	0.2 U	0.14 U	0.52	0.21	0.35	0.32	0.2 U
Acetone	500	18	7.7	19	21	10	8.7	14	12	310	11	18	13	10
Benzene	3.3	1	0.68	1.9	3	0.69	0.87	0.71	0.56	0.78	0.49	0.47	0.39	0.48
Benzyl chloride	NA	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.46	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	7.3	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	NA	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	NA	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.54	0.35	0.41	0.52	**0.55**	0.46	**0.59**	0.53	0.31	0.43	0.48	0.38	0.42	0.43
Chlorobenzene	200	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	500	0.13 U	0.13 U	0.42	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	80	1.1	1	1.4	1.5	1	1	1.2	1.1	1.3	1.1	1.1	0.98	0.95
cis-1,2-Dichloroethene	100	2	0.2 U	1	1.1	0.73	1.3	0.5	0.6	1.3	0.2 U	0.2 U	0.83	0.44
cis-1,3-Dichloropropene	2.9	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	NA	0.17 U	0.17 U	0.49	0.61	0.17 U	0.17 U	0.17 U	0.12 U	0.34	0.18 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	500	1.8	2.1	2.6	2.8	2.6	2.6	3.1	2	8.3	2.4	2	2.3	2.1

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	CT IACTIND 2003	Indoor Air - Large Retail Space												
Parameter (ug/m^3)	(ug/m^3)	IA-1 1/16/2009	IA-1-020309 2/3/2009	IA-1-021109 2/11/2009	IA-1-021809 2/18/2009	IA-1-022609 2/26/2009	IA-1-030609 3/6/2009	IA-1-033109 3/31/2009	IA-1-041409 4/14/2009	IA-1-042409 4/24/2009	IA-1-091709 9/17/2009	IA-1-092409 9/24/2009	IA-1-100109 10/1/2009	IA-1-100809 10/8/2009
Ethanol	NA	5.7	8.3	14	20	9.8	7.5	18	5	39	6.2	7	6.5	8.8
Ethyl acetate	NA	0.37 U	0.37 U	0.18 U	0.18 U	0.37 U	0.18 U	0.18 U	0.26 U	0.37 U	0.32	0.18 U	0.18 U	0.18 U
Ethylbenzene	290	0.26	0.28	0.66	0.85	0.23	0.22 U	0.22 U	0.16 U	0.94	0.23	0.23	0.22 U	0.28
Hexachlorobutadiene	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U
Hexane	NA	0.92	0.74	1.2	1.6	1	0.51	0.53	0.65	1.7	0.99	1.3	0.41	0.77
Isopropyl alcohol	NA	3.4	3.1	5.3	5.8	3.8	2	9.1	0.18 U	240	5.2	5.2	0.25 U	2.7
m,p-Xylene	500	0.76	0.87	2.1	2.8	0.8	0.43 U	0.63	0.31 U	2.5	0.79	0.91	0.73	1
Methylene chloride	17	2.3	**33**	2.3	1.8	4.4	1.1	6.7	3.5	4.8	1.6	3.6	0.7 U	0.7 U
Methyl-t-butyl ether	190	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	NA	0.23	0.2 U	0.59	0.75	0.2 U	0.2 U	0.2 U	0.14 U	0.67	0.2 U	0.2 U	0.2 U	0.26
o-Xylene	500	0.26	0.33	0.76	0.99	0.3	0.22 U	0.22 U	0.16 U	0.7	0.31	0.4	0.28	0.4
Propylene (Propene)	NA	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U	0.13 U	0.18 U	0.35 U	0.35 U	0.18 U	0.35 U
Styrene	290	0.21 U	0.21 U	0.21	0.28	0.21 U	0.21 U	0.21 U	0.15 U	0.24	0.21 U	0.21 U	0.21 U	0.21 U
Tetrachloroethene	5	**6.6**	0.57	4.2	3.2	2.6	4.9	1.5	1.9	**6.1**	0.34 U	0.34 U	2	1.1
Tetrahydrofuran	NA	12	1.2	1.3	0.48	0.32	0.15 U	0.15 U	0.23	0.4	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	500	1.7	1.4	4	5.7	2.3	0.93	1.7	0.72	5.7	1.3	1.1	0.78	1.2
trans-1,2-Dichloroethene	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	2.9	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	1	**4.2**	0.46	**1.6**	**1.4**	0.65	**1.5**	0.57	0.74	**1.6**	0.27 U	0.27 U	**1.1**	0.56
Trichlorofluoromethane	500	2.1	1.4	1.7	3.1	1.6	1.7	1.2	1.2	1.5	1.4	1.3	1.2	1.2
Trichlorotrifluoroethane	NA	0.65	0.64	0.47	0.46	0.67	0.48	0.59	0.54	1.7	0.48	0.44	0.45	0.51
Vinyl acetate	NA	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.18 U	0.5 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Vinyl chloride	1.9	0.26	0.13 U	0.22	0.21	0.13 U	0.19	0.13 U	0.1 U	0.16	0.13 U	0.13 U	0.17	0.13 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-1-120209 12/2/2009	IA-1-010810 1/8/2010	IA-1-012810 1/28/2010	IA-1-020510 2/5/2010	IA-1-021210 2/12/2010	IA-1-021910 2/19/2010	IA-1-032610 3/26/2010	IA-1-043010 4/30/2010	IA-1-052810 5/28/2010	IA-1-070110 7/1/2010	IA-2 1/16/2009	IA-2-020309 2/3/2009	IA-2-021109 2/11/2009	IA-2-021809 2/18/2009
1,1,1-Trichloroethane	0.24	0.27 U	0.27 U	0.76	0.30	0.88	0.27 U	1.2	0.33	0.27 U	9.9	0.63	1.1	1.1
1,1,2,2-Tetrachloroethane	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.72	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.41	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.52 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.75 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.52	0.37	0.25 U	0.26	0.25 U	0.25 U	0.25 U	0.25 U	0.4	0.43	0.25 U	0.37	0.7	0.65
1,2-Dibromoethane (EDB)	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.18	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25	0.25 U
1,3-Butadiene	0.17	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.11 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.3	0.66
1,3-Dichlorobenzene	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	2.7	1.6	0.3 U	2.4	1.1	1.2	1.3	0.78	2.6	3.3	21	4.1	4.6	3
2-Hexanone	0.71	0.36	0.2 U	0.47	0.2 U	0.27	0.27	0.2 U	0.67	0.75	0.2 U	0.2 U	0.35	0.26
4-Ethyltoluene	0.18	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.34	0.2 U	0.2 U	0.2 U	0.22	0.2 U	0.2 U	0.2 U	0.28	0.35	0.2 U	0.2 U	0.35	0.2 U
Acetone	13	12	2.0	19	7.3	8.5	7	6.5	18	18	17	9.6	14	18
Benzene	1.1	1.2	0.16 U	0.98	0.64	0.53	0.59	0.64	0.5	0.46	1	0.67	1.8	3
Benzyl chloride	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.33	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.48	0.43	0.31 U	0.40	0.31 U	0.45	0.44	0.48	**0.55**	0.52	0.33	0.41	**0.55**	**0.57**
Chlorobenzene	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.42	0.13 U
Chloroform	0.17 U	0.26	0.24 U	0.47	0.43	0.24 U	0.24 U	0.25	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	1.3	1.1	1.4	1.3	1.3	1.2	1.3	0.79	1.2	1.2	1.1	1	1.3	1.3
cis-1,2-Dichloroethene	0.57	0.2 U	0.2 U	0.2 U	0.2 U	0.56	0.2 U	1.3	0.2 U	0.5	2.1	0.24	1.1	1.1
cis-1,3-Dichloropropene	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	0.28	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.44	0.61
Dibromochloromethane	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	1.6	3.1	2.4	2.4	2.6	3.0	1.6	2.2	2.3	2.7	1.8	2.2	2.6	2.9

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-1-120209 12/2/2009	IA-1-010810 1/8/2010	IA-1-012810 1/28/2010	IA-1-020510 2/5/2010	IA-1-021210 2/12/2010	IA-1-021910 2/19/2010	IA-1-032610 3/26/2010	IA-1-043010 4/30/2010	IA-1-052810 5/28/2010	IA-1-070110 7/1/2010	IA-2 1/16/2009	IA-2-020309 2/3/2009	IA-2-021109 2/11/2009	IA-2-021809 2/18/2009
Ethanol	10	8.4	7.0	29	19	43	4.6	4.4	6	6.5	5.5	8.8	12	17
Ethyl acetate	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.37 U	0.37 U	0.18 U	0.18 U
Ethylbenzene	0.46	0.40	0.22 U	0.32	0.22 U	0.22 U	0.22 U	0.23	0.29	0.27	0.26	0.28	0.65	0.79
Hexachlorobutadiene	0.75 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U	1.1 U	1.1 U	1.1 U	1.1 U
Hexane	0.78	0.74	0.18 U	0.82	1.3	0.45	0.2	1.1	0.8	0.46	0.88	0.57	1.3	1.6
Isopropyl alcohol	1.8	2.4	0.25 U	9.4	0.25 U	1.6	0.65	3.4	0.12 U	0.74	3.7	3.1	4.5	4.5
m,p-Xylene	1.4	1.1	0.43 U	1.0	0.43 U	0.43 U	0.5	0.77	1.1	1.2	0.76	0.88	2	2.6
Methylene chloride	2.9	0.7 U	1.4	1.5	1.9	0.7 U	0.7 U	0.7 U	0.35 U	1.2	2	**30**	4	1.6
Methyl-t-butyl ether	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.42	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.23	0.2 U	0.58	0.73
o-Xylene	0.52	0.44	0.22 U	0.38	0.22 U	0.22 U	0.22 U	0.28	0.46	0.51	0.3	0.34	0.76	0.89
Propylene (Propene)	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.87 U	0.87 U	0.18 U	0.18 U	0.09 U	0.09 U
Styrene	0.19	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.25	0.31	0.21 U	0.21 U	0.21 U	0.23
Tetrachloroethene	3.2	0.34 U	0.34 U	0.34 U	0.34 U	1.2	0.34 U	4.5	0.55	1.1	**7.5**	0.64	4.2	3.2
Tetrahydrofuran	0.11 U	0.15 U	0.15 U	0.15 U	0.15 U	0.22	0.15 U	0.15 U	0.15 U	0.24	12	1.2	1.2	0.49
Toluene	2.8	2.1	0.19 U	0.82	0.69	0.58	0.8	1.3	0.91	0.99	1.7	1.3	4	5.5
trans-1,2-Dichloroethene	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.69	0.27 U	0.27 U	0.27 U	0.31	0.39	0.27 U	**1.5**	0.27 U	0.4	**4.4**	0.56	**1.6**	**1.4**
Trichlorofluoromethane	1.3	2.5	0.81	1.3	1.5	1.5	1.4	1.2	1.3	1.4	2	1.2	1.7	2.8
Trichlorotrifluoroethane	0.52	0.63	0.38 U	0.71	0.63	0.55	0.55	0.48	0.59	0.53	0.69	0.58	0.49	0.46
Vinyl acetate	0.25 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.36 U	0.71 U	0.18 U	0.18 U	0.71 U	0.71 U	0.18 U	0.18 U
Vinyl chloride	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.27	0.13 U	0.18	0.2

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-2-022609 2/26/2009	IA-2-041409 4/14/2009	IA-2-042409 4/24/2009	IA-2-091709 9/17/2009	IA-2-092409 9/24/2009	IA-2-100109 10/1/2009	IA-2-100809 10/8/2009	IA-2-012810 1/28/2010	IA-2-020510 2/5/2010	IA-2-021210 2/12/2010	IA-2-021910 2/19/2010	IA-2-032610 3/26/2010	IA-2-043010 4/30/2010	IA-2-052810 5/28/2010
1,1,1-Trichloroethane	0.44	1.4	2.1	0.27 U	0.27 U	0.27 U	0.27 U	0.44	0.73	0.27 U	0.27 U	0.27 U	1	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.32	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.75 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.3	0.18 U	0.25 U	0.29	0.39	0.27	0.52	0.55	0.25 U	0.25 U	0.25 U	0.25 U	0.31	0.35
1,2-Dibromoethane (EDB)	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.59	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.08 U	0.11 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.11 U	0.23 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.34	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	2.9	0.95	1.6	1.1	2.3	0.81	1	2.1	0.70	0.44	0.3 U	0.96	1.3	3.1
2-Hexanone	0.2 U	0.14 U	0.2 U	0.25	0.54	0.2 U	0.26	0.51	0.2 U	0.2 U	0.2 U	0.2 U	0.26	0.84
4-Ethyltoluene	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.14 U	0.2 U	0.2 U	0.39	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.28
Acetone	9.7	13	39	6.2	17	11	8.8	17	7.8	3.1	0.48 U	6.3	8.2	18
Benzene	0.77	0.58	0.44	0.41	0.47	0.39	0.54	1.2	0.86	0.67	0.16 U	0.58	0.63	0.47
Benzyl chloride	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.48	0.41	0.41	0.44	0.4	0.46	0.42	0.31 U	0.40	0.31 U	0.31 U	0.43	0.47	0.5
Chlorobenzene	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.25	0.17 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.47	0.40	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	1	1.1	1.2	0.91	1.1	0.96	0.98	1.2	1.3	1.3	1.4	1.3	0.8	1.2
cis-1,2-Dichloroethene	0.95	0.59	1.6	0.2 U	0.2 U	0.79	0.48	0.58	0.2 U	0.2 U	0.2 U	0.2 U	1	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	0.17 U	0.12 U	0.22	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2.7	2.1	2.9	2	2.1	2.3	2.1	2.2	2.5	2.6	3.0	1.6	2.0	2.4

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-2-022609 2/26/2009	IA-2-041409 4/14/2009	IA-2-042409 4/24/2009	IA-2-091709 9/17/2009	IA-2-092409 9/24/2009	IA-2-100109 10/1/2009	IA-2-100809 10/8/2009	IA-2-012810 1/28/2010	IA-2-020510 2/5/2010	IA-2-021210 2/12/2010	IA-2-021910 2/19/2010	IA-2-032610 3/26/2010	IA-2-043010 4/30/2010	IA-2-052810 5/28/2010
Ethanol	7.9	4.9	7.5	4.8	6.7	7.8	6.2	14	35	17	20	4.4	4.9	5
Ethyl acetate	0.37 U	0.26 U	0.37 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.3	0.18	0.22 U	0.22 U	0.22	0.22 U	0.31	0.42	0.34	0.22 U	0.22 U	0.22 U	0.23	0.24
Hexachlorobutadiene	1.1 U	0.75 U	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U
Hexane	0.69	0.72	0.74	0.41	0.42	0.71	1	0.61	0.64	1.4	0.18 U	0.27	1.6	0.51
Isopropyl alcohol	4.7	5.6	28	340	5.7	3.3	0.25 U	0.25 U	3.6	0.25 U	0.25 U	0.63	3.2	0.12 U
m,p-Xylene	0.93	0.61	0.63	0.71	0.93	0.78	1.1	1.3	1.1	0.43 U	0.43 U	0.47	0.75	0.96
Methylene chloride	1.8	4	4.2	0.7 U	0.7 U	0.7 U	0.7 U	1.4	0.90	1.9	0.7 U	0.7 U	0.7 U	0.35 U
Methyl-t-butyl ether	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.22	0.15	0.2 U	0.2 U	0.2 U	0.2 U	0.34	0.83	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	0.34	0.22	0.22	0.27	0.42	0.3	0.44	0.46	0.40	0.22 U	0.22 U	0.22 U	0.29	0.44
Propylene (Propene)	0.18 U	0.13 U	0.18 U	0.35 U	0.35 U	0.18 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.87 U
Styrene	0.21 U	0.15 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.41	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.25
Tetrachloroethene	3.3	2.2	**7.6**	0.34 U	0.35	1.7	1	2.3	0.34 U	0.34 U	0.34 U	0.34 U	3.6	0.43
Tetrahydrofuran	0.41	0.21	0.28	0.15 U	0.15 U	0.15 U	0.15 U	1.6	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	2.3	1	1.2	1.1	1.1	1.2	1.5	2.4	0.93	0.64	0.19 U	0.8	1.3	0.91
trans-1,2-Dichloroethene	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.91	0.77	**1.9**	0.27 U	0.27 U	0.99	0.57	0.79	0.27 U	0.27 U	0.27 U	0.27 U	**1.2**	0.27 U
Trichlorofluoromethane	1.6	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.4	1.1	1.4	1.3	1.3
Trichlorotrifluoroethane	0.64	0.56	0.74	0.5	0.47	0.46	0.54	0.46	0.53	0.61	0.38 U	0.51	0.44	0.53
Vinyl acetate	0.71 U	0.5 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.36 U	0.71 U	0.18 U
Vinyl chloride	0.13 U	0.1 U	0.18	0.13 U	0.13 U	0.16	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-2-070110 7/1/2010	IA-3 1/16/2009	IA-3-020309 2/3/2009	IA-3-021109 2/11/2009	IA-3-021809 2/18/2009	IA-3-022609 2/26/2009	IA-3-041409 4/14/2009	IA-3-042409 4/24/2009	IA-3-091709 9/17/2009	IA-3-092409 9/24/2009	IA-3-100109 10/1/2009	IA-3-100809 10/8/2009	IA-3-012810 1/28/2010	IA-3-020510 2/5/2010
1,1,1-Trichloroethane	0.28	9.8	0.57	1.1	1.1	0.28	1.5	2.2	0.27 U	0.27 U	0.27 U	0.27 U	0.45	0.71
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.68	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.48	0.25 U	0.36	0.68	0.61	0.25 U	0.18 U	0.25 U	0.29	0.4	0.25 U	0.39	0.44	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.42	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.11 U	0.3	0.77	0.11 U	0.08 U	0.11 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	3.4	20	4.2	4.6	4	1.7	1.6	2.5	2	2.6	0.7	1.5	1.9	2
2-Hexanone	0.68	0.2 U	0.26	0.33	0.3	0.2 U	0.14 U	0.38	0.51	0.58	0.2 U	0.37	0.52	0.39
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.49	0.2 U	0.2 U	0.29	0.34	0.2 U	0.14 U	0.22	0.2 U	0.42	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	20	18	12	17	24	9.7	7.5	50	11	19	6.7	11	14	21
Benzene	0.48	1	0.71	1.9	3.1	0.69	0.6	0.46	0.41	0.5	0.39	0.46	1.3	0.86
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.22	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.52	0.34	0.45	0.52	**0.6**	0.43	0.22 U	0.42	0.4	0.43	0.4	0.42	0.31 U	0.42
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.43	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	**0.53**
Chloromethane	1.2	1.1	0.98	1.2	1.4	1.1	1.2	1.2	0.91	1.1	0.97	1	1.2	2.9
cis-1,2-Dichloroethene	0.61	1.9	0.2 U	1.1	1.1	0.55	0.61	1.5	0.2 U	0.2 U	0.94	0.49	0.59	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.17 U	0.46	0.6	0.17 U	0.15	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2.6	1.9	2.3	2.5	2.9	2.6	2	2.9	2.1	2.1	2.2	2.2	2.3	2.5

Table 3.
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Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-2-070110 7/1/2010	IA-3 1/16/2009	IA-3-020309 2/3/2009	IA-3-021109 2/11/2009	IA-3-021809 2/18/2009	IA-3-022609 2/26/2009	IA-3-041409 4/14/2009	IA-3-042409 4/24/2009	IA-3-091709 9/17/2009	IA-3-092409 9/24/2009	IA-3-100109 10/1/2009	IA-3-100809 10/8/2009	IA-3-012810 1/28/2010	IA-3-020510 2/5/2010
Ethanol	7.6	5.5	9.2	13	18	7.9	4.2	9	6.2	7.5	4.5	5	13	40
Ethyl acetate	0.18 U	0.37 U	0.37 U	0.18 U	0.18 U	0.37 U	0.26 U	0.37 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.29	0.25	0.29	0.64	0.77	0.22 U	0.16	0.22 U	0.22 U	0.23	0.22 U	0.24	0.43	0.22 U
Hexachlorobutadiene	0.53 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Hexane	0.49	0.94	0.87	1.3	1.9	3.7	0.37	0.77	0.96	0.47	0.37	0.71	0.55	0.44
Isopropyl alcohol	1.2	3.5	4.1	5.5	4.9	3.1	0.18 U	33	180	5.9	0.25 U	0.25 U	0.25 U	9.9
m,p-Xylene	1.3	0.75	0.9	2	2.6	0.65	0.57	0.66	0.7	0.99	0.65	0.87	1.2	0.69
Methylene chloride	1.3	2.2	**31**	3.1	3.5	**33**	1.2	3.6	2.4	0.7 U	0.7 U	0.7 U	1.4	0.7 U
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.8	0.22	0.2 U	0.61	0.77	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.24	0.73	0.2 U
o-Xylene	0.57	0.28	0.33	0.79	0.86	0.23	0.22	0.24	0.26	0.45	0.27	0.34	0.44	0.26
Propylene (Propene)	0.87 U	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.13 U	0.18 U	0.35 U	0.35 U	0.18 U	0.35 U	0.35 U	0.35 U
Styrene	0.36	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.15 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.40	0.21 U
Tetrachloroethene	1.4	**6.1**	0.56	4.3	3.3	1.9	2.2	**7.1**	0.34 U	0.34 U	2	1.1	2.2	0.34 U
Tetrahydrofuran	0.27	12	1.1	1.3	0.49	0.15 U	0.24	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.40	0.15 U
Toluene	1.3	1.7	1.5	4.7	5.8	2.1	1	1.2	1.2	1.1	0.73	1.1	2.5	0.78
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.53	**3.9**	0.49	**1.7**	**1.5**	0.53	0.77	**1.8**	0.27 U	0.27 U	**1.1**	0.54	0.75	0.27 U
Trichlorofluoromethane	1.6	1.9	1.3	1.8	2.8	1.8	1.2	1.3	1.4	1.2	1.2	1.2	1.2	1.3
Trichlorotrifluoroethane	0.94	0.6	0.58	0.49	0.44	0.69	0.53	0.74	0.51	0.46	0.49	0.47	0.49	0.52
Vinyl acetate	0.18 U	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.5 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U
Vinyl chloride	0.13 U	0.23	0.13 U	0.19	0.21	0.13 U	0.1 U	0.17	0.13 U	0.13 U	0.18	0.13 U	0.13 U	0.13 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-3-021210 2/12/2010	IA-3-021910 2/19/2010	IA-3-032610 3/26/2010	IA-3-043010 4/30/2010	IA-3-052810 5/28/2010	IA-3-070110 7/1/2010	IA-4 1/16/2009	IA-4-020309 2/3/2009	IA-4-021109 2/11/2009	IA-4-021809 2/18/2009	IA-4-022609 2/26/2009	IA-4-041409 4/14/2009	IA-4-042409 4/24/2009	IA-4-091709 9/17/2009
1,1,1-Trichloroethane	0.29	0.86	0.27 U	1.2	0.27 U	0.27 U	10	0.62	1.1	1.1	0.45	1.5	2.2	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.73	0.2 U	0.2 U	0.2 U	0.31	0.14 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.42	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.75 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.26	0.34	0.46	0.26	0.37	0.74	0.65	0.29	0.18 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U
1,3-Butadiene	0.23 U	0.23 U	0.11 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.33	0.77	0.11 U	0.08 U	0.11 U	0.23 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U
2-Butanone	1.2	1.6	0.51	1	2.2	3.3	21	4.4	6	3.2	2.5	1.1	1.6	1.5
2-Hexanone	0.22	0.39	0.2 U	0.29	0.52	0.67	0.2 U	0.33	0.73	0.39	0.2 U	0.14 U	0.2 U	0.29
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.38	0.2 U	0.2 U	0.43	0.28	0.2 U	0.14 U	0.2 U	0.2 U
Acetone	6.7	7.3	3.8	7.7	15	21	17	10	15	20	7.8	7.9	20	9.3
Benzene	0.67	0.53	0.6	0.67	0.47	0.51	1.1	0.68	1.8	3	0.76	0.59	0.44	0.4
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U
Carbon tetrachloride	0.31 U	0.43	0.43	0.49	0.54	**0.57**	0.4	0.43	0.5	**0.58**	0.46	0.22 U	0.45	0.41
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.41	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U
Chloroform	0.48	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.26	0.17 U	0.24 U	0.24 U
Chloromethane	1.3	1.2	1.1	0.85	1.2	1.2	1.2	0.99	1.4	1.3	1	1.1	1.2	0.9
cis-1,2-Dichloroethene	0.2 U	0.59	0.2 U	1.3	0.2 U	0.51	2.4	0.2 U	1.1	1.1	0.98	0.61	1.7	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.44	0.64	0.17 U	0.12 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U
Dichlorodifluoromethane	2.5	3	1.6	2.1	2.5	2.7	1.9	2.2	2.5	2.8	2.6	2.1	2.4	2.1

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-3-021210 2/12/2010	IA-3-021910 2/19/2010	IA-3-032610 3/26/2010	IA-3-043010 4/30/2010	IA-3-052810 5/28/2010	IA-3-070110 7/1/2010	IA-4 1/16/2009	IA-4-020309 2/3/2009	IA-4-021109 2/11/2009	IA-4-021809 2/18/2009	IA-4-022609 2/26/2009	IA-4-041409 4/14/2009	IA-4-042409 4/24/2009	IA-4-091709 9/17/2009
Ethanol	17	38	3.6	5.3	5.5	7	5.3	8.9	12	18	8	5.2	5.5	6
Ethyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.37 U	0.37 U	0.18 U	0.19	0.37 U	0.26 U	0.37 U	0.18 U
Ethylbenzene	0.22 U	0.22 U	0.22 U	0.26	0.23	0.29	0.25	0.29	0.65	0.78	0.29	0.16	0.22 U	0.22 U
Hexachlorobutadiene	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	0.53 U
Hexane	1	0.29	0.19	1.4	0.55	0.45	0.9	0.66	1.2	1.7	0.66	0.43	0.34	0.42
Isopropyl alcohol	0.25 U	2	0.64	3.4	0.12 U	0.76	3.5	3.3	4.7	4.8	3.9	0.18 U	13	5.6
m,p-Xylene	0.43 U	0.43 U	0.46	0.8	0.99	1.3	0.76	0.89	2.1	2.6	0.89	0.58	0.49	0.61
Methylene chloride	2.3	0.7 U	0.7 U	0.7 U	0.35 U	1.2	2.3	**29**	1.7	2.5	1.3	1.9	2.2	0.7 U
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.2 U	0.2 U	0.36	0.2 U	0.2 U	0.23	0.2 U	0.58	0.79	0.21	0.14 U	0.2 U	0.2 U
o-Xylene	0.22 U	0.22 U	0.22 U	0.32	0.43	0.58	0.27	0.33	0.78	0.87	0.33	0.22	0.22 U	0.22 U
Propylene (Propene)	0.35 U	0.35 U	0.35 U	0.35 U	0.87 U	0.87 U	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.13 U	0.18 U	0.35 U
Styrene	0.21 U	0.21 U	0.21 U	0.21 U	0.23	0.34	0.21 U	0.21 U	0.22	0.23	0.21 U	0.15 U	0.21 U	0.21 U
Tetrachloroethene	0.34 U	1.3	0.34 U	4.8	0.35	1.1	**7.3**	0.58	4.4	3.4	3.4	2.4	**7.9**	0.75
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.16	0.24	13	1.2	1.3	0.47	0.34	0.21	0.25	0.15 U
Toluene	0.61	0.46	0.81	1.5	0.93	1.1	1.8	1.3	4.3	5.8	2.3	1	1	1.1
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U
Trichloroethene	0.27 U	0.4	0.27 U	**1.5**	0.27 U	0.47	**4.7**	0.48	**1.7**	**1.5**	0.88	0.78	**2**	0.27 U
Trichlorofluoromethane	1.4	1.6	1.3	1.2	1.3	1.5	2	1.3	1.6	3	1.7	1.3	1.3	1.2
Trichlorotrifluoroethane	0.57	0.52	0.57	0.45	0.52	0.54	0.72	0.59	0.51	0.45	0.57	0.54	0.61	0.49
Vinyl acetate	0.71 U	0.71 U	0.36 U	0.71 U	0.18 U	0.18 U	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.5 U	0.71 U	0.71 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.14	0.13 U	0.13 U	0.29	0.13 U	0.2	0.22	0.13 U	0.1 U	0.2	0.13 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-4-092409 9/24/2009	IA-4-100109 10/1/2009	IA-4-100809 10/8/2009	IA-4-012810 1/28/2010	IA-4-020510 2/5/2010	IA-4-021210 2/12/2010	IA-4-021910 2/19/2010	IA-4-032610 3/26/2010	IA-4-043010 4/30/2010	IA-4-052810 5/28/2010	IA-4-070110 7/1/2010	LRAIR01 5/15/2009	LRAIR02 5/15/2009	LRAIR03 5/15/2009
1,1,1-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.76	0.29	0.89	0.27 U	1.1	0.28	0.27 U	0.45	0.52	0.65
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.75 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.41	0.28	0.41	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.34	0.41	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.11 U	0.23 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	2	1.30	1.20	0.3 U	0.69	1.2	0.50	1.60	1.50	2.20	4.8	3.3	3.4	2.1
2-Hexanone	0.45	0.32	0.27	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.39	0.54	1	0.73	0.66	0.38
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.32	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.43	0.42	0.39	0.32
Acetone	16	9.3	10	2.3	4.9	5.9	2.5	6.9	8.7	15	31	12	13	10
Benzene	0.43	0.37	0.48	0.16 U	0.88	0.66	0.54	0.57	0.64	0.48	0.47	0.54	0.6	0.67
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.31	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.4	0.46	0.4	0.31 U	0.43	0.31 U	0.42	0.43	0.47	0.52	0.48	**0.7**	**0.68**	**0.71**
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.46	0.39	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	1.1	1	1	1.3	1.3	1.3	1.2	1.1	0.77	1.2	1.2	1	0.98	1
cis-1,2-Dichloroethene	0.2 U	0.84	0.48	0.2 U	0.2 U	0.2 U	0.59	0.2 U	1.3	0.2 U	0.44	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2	2.2	2.2	2.4	2.5	2.6	3.0	1.7	2.1	2.5	2.6	2.5	2.3	2.6

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space													
Parameter (ug/m^3)	IA-4-092409 9/24/2009	IA-4-100109 10/1/2009	IA-4-100809 10/8/2009	IA-4-012810 1/28/2010	IA-4-020510 2/5/2010	IA-4-021210 2/12/2010	IA-4-021910 2/19/2010	IA-4-032610 3/26/2010	IA-4-043010 4/30/2010	IA-4-052810 5/28/2010	IA-4-070110 7/1/2010	LRAIR01 5/15/2009	LRAIR02 5/15/2009	LRAIR03 5/15/2009
Ethanol	6.5	4.9	5.6	7.7	34	17	31	3.9	4.9	6.1	8.7	65	9	6.5
Ethyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.27	0.22 U	0.26	0.22 U	0.26	0.22 U	0.22 U	0.22 U	0.25	0.25	0.29	0.22 U	0.22 U	0.22 U
Hexachlorobutadiene	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U	0.53 U	1.1 U	1.1 U	1.1 U
Hexane	2.2	0.49	0.93	0.18 U	0.37	1.3	0.49	0.19	1.3	0.55	2.8	1.1	0.21	0.18 U
Isopropyl alcohol	5.2	0.25 U	0.25 U	0.96	0.25 U	0.25 U	1.9	0.66	3.4	4.4	1.8	3.3	3.4	3.7
m,p-Xylene	0.93	0.69	1	0.43 U	0.81	0.43 U	0.43 U	0.49	0.8	0.98	1.1	0.58	0.57	0.58
Methylene chloride	9.7	0.7 U	0.7 U	1.5	0.7 U	1.9	0.71	0.7 U	0.7 U	0.35 U	7.7	5.9	1.5	1.5
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.2 U	0.26	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22	0.2 U	0.2 U	0.2 U
o-Xylene	0.42	0.28	0.4	0.22 U	0.31	0.22 U	0.22 U	0.22 U	0.3	0.44	0.5	0.28	0.28	0.27
Propylene (Propene)	0.35 U	0.18 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.87 U	1.1	0.09 U	0.09 U	0.09 U
Styrene	0.21	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22	0.29	0.23	0.21 U	0.21 U
Tetrachloroethene	0.34 U	2	1.1	0.34 U	0.34 U	0.34 U	1.4	0.34 U	4.4	0.44	1.1	0.47	0.47	0.54
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.19	0.24	0.15 U	0.15 U	0.15 U
Toluene	1.3	0.76	1.2	0.19 U	0.79	0.63	0.47	0.83	1.4	0.98	1	0.73	0.7	0.58
trans-1,2-Dichloroethene	0.2 U	1.1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.27 U	**1.10**	0.57	0.27 U	0.27 U	0.27 U	0.40	0.27 U	**1.4**	0.27 U	0.44	0.27 U	0.28	0.27
Trichlorofluoromethane	1.5	1.2	1.2	0.93	1.3	1.4	1.6	1.5	1.3	1.3	1.9	1.3	1.3	1.2
Trichlorotrifluoroethane	0.48	0.47	0.5	0.38 U	0.55	0.58	0.55	1.3	0.48	0.51	0.59	0.63	0.6	0.65
Vinyl acetate	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.71 U	0.36 U	0.71 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	0.13 U	0.16	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space						
Parameter (ug/m^3)	LRAIR04 5/15/2009	LRAIR05 5/15/2009	LRAIR06 5/15/2009	LRAIR07 5/15/2009	LRAIR08 5/15/2009	LRAIR09 5/15/2009	LRAIR10 5/15/2009
1,1,1-Trichloroethane	0.57	0.51	0.44	0.69	0.5	0.49	0.53
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.29	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	2.6	2	1.6	3.1	2.5	2.6	1.4
2-Hexanone	0.51	0.37	0.38	0.61	0.48	0.43	0.29
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.36	0.54	0.27	0.32	0.3	0.61	0.23
Acetone	11	8.5	7.7	13	11	9.8	6.9
Benzene	0.55	0.56	0.51	0.53	0.6	0.51	0.57
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	**0.68**	**0.68**	**0.63**	**0.68**	**0.7**	**0.64**	**0.66**
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	0.95	1	1	0.92	1.1	0.91	1.2
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.21	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2.4	2.7	2.4	2.4	2.8	2.3	2.7

Table 3.
Summary of Analytical Results - Air Sampling for Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Indoor Air - Large Retail Space						
Parameter (ug/m^3)	LRAIR04 5/15/2009	LRAIR05 5/15/2009	LRAIR06 5/15/2009	LRAIR07 5/15/2009	LRAIR08 5/15/2009	LRAIR09 5/15/2009	LRAIR10 5/15/2009
Ethanol	5.9	6	5.6	5.9	14	44	14
Ethyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.27	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Hexane	0.18	0.24	0.18 U	0.19	0.21	0.2	0.18 U
Isopropyl alcohol	3.5	3.6	3.4	4.4	3.6	2.8	3.2
m,p-Xylene	0.55	0.49	0.5	0.48	0.53	1	0.5
Methylene chloride	1.6	1.9	1.6	1.5	1.6	1.6	1.4
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	0.27	0.25	0.26	0.25	0.27	0.34	0.26
Propylene (Propene)	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Styrene	0.22	0.21 U	0.21 U	0.37	0.21 U	0.21 U	0.21 U
Tetrachloroethene	0.66	0.64	0.6	0.73	0.53	0.46	0.46
Tetrahydrofuran	0.15 U	0.2	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	0.59	0.51	0.53	0.57	0.53	0.54	0.47
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.29	0.34	0.27	0.28	0.27 U	0.27 U	0.27 U
Trichlorofluoromethane	1.1	1.4	1.3	1.1	1.4	1	1.4
Trichlorotrifluoroethane	0.62	0.64	0.57	0.59	0.68	0.62	0.58
Vinyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

NA - not available
U - Not detected, value is the detection limit
ug/m^3 - micrograms per cubic meter

5 Bolded and shaded values are above the CT target indoor air concentration for industrial/commercial scenarios

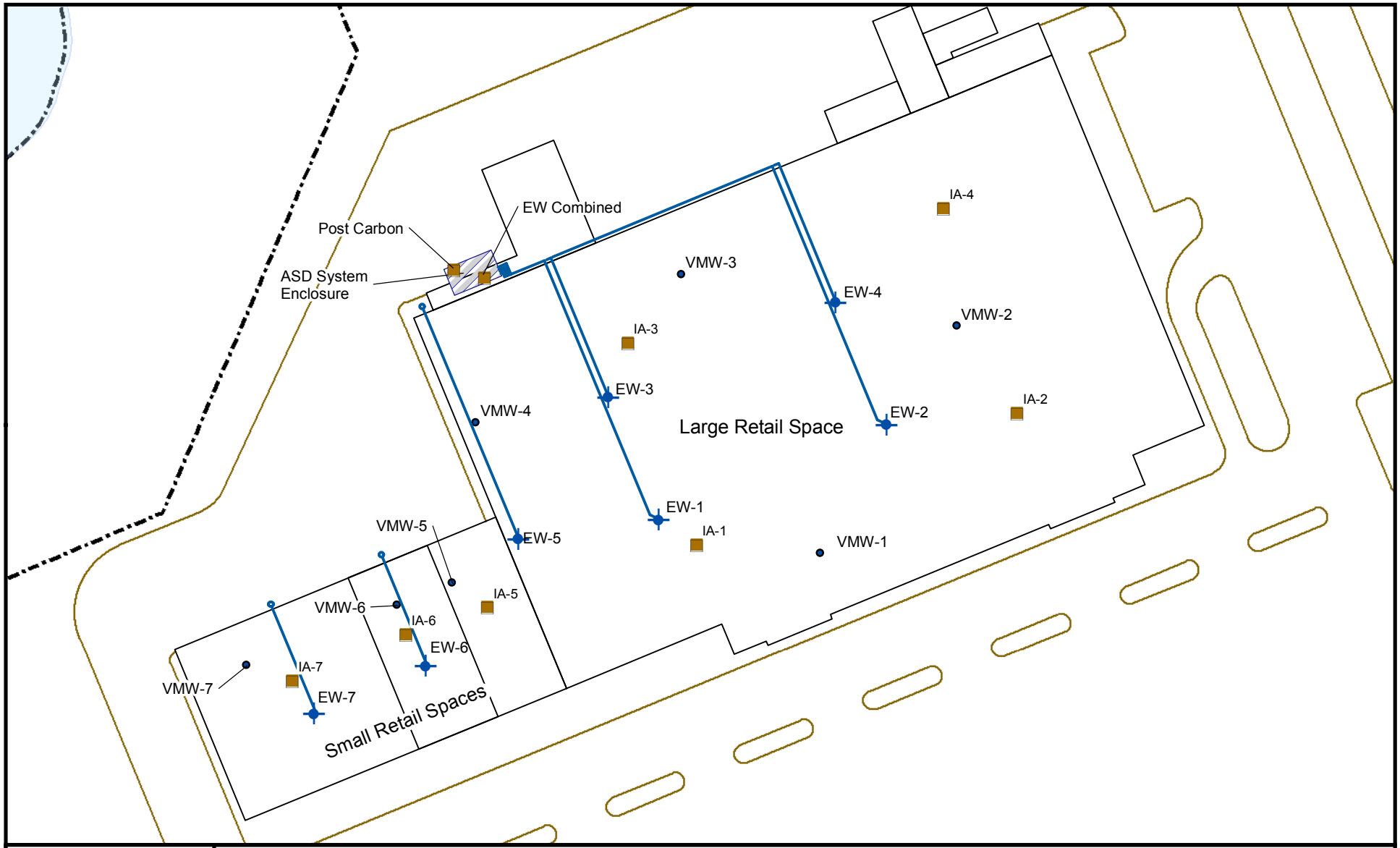
Prepared by/Date: KJC 09/08/10
Checked by/Date: PJM 09/08/10

Table 4.
Vacuum Monitoring Results - Large Retail Space
Former Gorham Manufacturing Site
Providence, Rhode Island

	Pressure Differential (inches of water)			
Date	VMW-1	VMW-2	VMW-3	VMW-4
2/3/2009	-0.20	-0.62	-0.15	-0.12
2/18/2009	-0.509	-0.738	-0.650	-0.253
2/26/2009	-0.511	-0.710	-0.665	-0.273
3/6/2009	-0.507	-0.610	-0.715	-0.251
3/6/2009*	-0.120	-0.195	-0.230	-0.028
3/31/2009	-0.148	-0.221	-0.244	-0.072
4/14/2009	-0.140	-0.210	-0.215	-0.081
5/15/2009	-0.133	-0.193	-0.208	-0.087
9/17/2009	-0.132	-0.172	-0.209	-0.087
9/24/2009	-0.146	-0.189	-0.254	-0.094
10/1/2009	-0.181	-0.232	-0.233	-0.097
10/8/2009	-0.197	-0.212	-0.255	-0.087
12/29/2009**	-0.021	-0.020	-0.160	-0.023
1/28/2010	-0.947	-0.642	-0.709	-0.237
2/5/2010	-0.497	-0.714	-0.510	-0.258
2/12/2010	-0.509	-0.706	-0.537	-0.261
2/19/2010	-0.526	-0.733	-0.667	-0.242
3/26/2010	-0.636	-0.860	-0.671	-0.331
4/30/2010	-0.519	-0.713	-0.378	-0.287
5/28/2010	-0.546	-0.727	+1.371	-0.279
7/1/2010	-0.505	-0.678	+1.568	-0.272

* vacuum reduced at extraction wells
** ASD system offline
Prepared by/Date: PJM 9/8/10
Checked by/Date: DEH 9/8/10

FIGURES



All locations are approximate

Legend

- Air Sample Location
- Vacuum Monitoring Well
- Extraction Well
- Extraction Well Piping
- Current Building
- Pavement Outline
- Effluent Location

N

0 30 60 Feet

Prepared by BJR | Checked by DEH

MACTEC

Figure 1
Vapor Mitigation
Sample Locations

Former Gorham Manufacturing Facility
333 Adelaide Avenue
Providence, Rhode Island

Document: P:\TEXTRON\GORHAM\GIS\MapDocuments\StopShopVI.mxd PDF: P:\3650080114 - Textron Gorham Vapor Mitigation System\4.0 Project Deliverables\4.1 Reports\December 2009 Retail Qty Rpt\Figures\Figure 1 Vapor Mitigation Sample Locations.pdf

APPENDIX A

Laboratory Reports

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ANALYTICAL LABORATORY

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY:

FILE COPY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 7/12/2010

MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880
ATTN: KELLY CHATTERTON

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200914545

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-25351
JOB NUMBER: 3650080114.13

PROJECT LOCATION: PROVIDENCE, RI (GORHAM SITE)

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
AA-1-070110	10B00074	AIR	Not Specified	to-15 ppbv	
AA-1-070110	10B00074	AIR	Not Specified	to-15 ug/m3	
EW-5-070110	10B00075	AIR	Not Specified	to-15 ppbv	
EW-5-070110	10B00075	AIR	Not Specified	to-15 ug/m3	
EW-6-070110	10B00076	AIR	Not Specified	to-15 ppbv	
EW-6-070110	10B00076	AIR	Not Specified	to-15 ug/m3	
EW-7-070110	10B00077	AIR	Not Specified	to-15 ppbv	
EW-7-070110	10B00077	AIR	Not Specified	to-15 ug/m3	
EW-COMBINED-07	10B00078	AIR	Not Specified	to-15 ppbv	
EW-COMBINED-07	10B00078	AIR	Not Specified	to-15 ug/m3	
IA-1-070110	10B00067	AIR	Not Specified	to-15 ppbv	
IA-1-070110	10B00067	AIR	Not Specified	to-15 ug/m3	
IA-2-070110	10B00068	AIR	Not Specified	to-15 ppbv	
IA-2-070110	10B00068	AIR	Not Specified	to-15 ug/m3	
IA-3-070110	10B00069	AIR	Not Specified	to-15 ppbv	
IA-3-070110	10B00069	AIR	Not Specified	to-15 ug/m3	
IA-4-070110	10B00070	AIR	Not Specified	to-15 ppbv	
IA-4-070110	10B00070	AIR	Not Specified	to-15 ug/m3	
IA-5-070110	10B00071	AIR	Not Specified	to-15 ppbv	
IA-5-070110	10B00071	AIR	Not Specified	to-15 ug/m3	
IA-6-070110	10B00072	AIR	Not Specified	to-15 ppbv	
IA-6-070110	10B00072	AIR	Not Specified	to-15 ug/m3	
IA-7-070110	10B00073	AIR	Not Specified	to-15 ppbv	
IA-7-070110	10B00073	AIR	Not Specified	to-15 ug/m3	

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 7/12/2010

MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880
ATTN: KELLY CHATTERTON

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200914545

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-25351
JOB NUMBER: 3650080114.13

Comments :

LIMS BATCH NO. : LIMT-25351

CASE NARRATIVE SUMMARY

In method TO-15, method blank-133056 associated with samples 10B00067 - 10B00074 contained Acetone at 0.44 ppbv = 1.0 ug/m3, 2-Butanone(MEK) at 0.03 ppbv = 0.09 ug/m3 and Methylene Chloride at 0.11 ppbv = 0.40 ug/m3.

In method TO-15, method blank-133057 associated with samples 10B00075 - 10B00078 contained Acetone at 0.68 ppbv = 1.6 ug/m3 and Methylene Chloride at 0.10 ppbv = 0.34 ug/m3.

In method TO-15, any reported result for Propene in samples 10B00067 - 10B00074 are estimated and likely to be biased on the low side based on continuing calibration bias.

There are no other analytical issues that affect the usability of the data.

METHOD TO-15 - ADDITIONAL DETAILS

All TO-15 samples were analyzed undiluted unless specified below:
If dilutions were performed only one dilution within the linear calibrated region of the curve is reported.

Sample	Dilution	Compound(s)
10B00067	1x	All
10B00068	1x	All
10B00069	1x	All
10B00070	1x	All
10B00071	1x	All
10B00072	1x	All
10B00073	1x	All
10B00074	1x	All
10B00075	10x	Most
	400x	acetone, 2-butanone, tetrahydrofuran
10B00076	10x	Most
	800x	2-butanone, tetrahydrofuran
10B00077	2x	Most
	5x	trichloroethylene, trichlorofluoromethane, cis-1,2-dichloroethylene
10B00078	2x	Most
	10x	tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane
blank-133056	0.5x=800ml sample	All
blank-133057	0.4x=1000ml sample	All

Method blank-133056 is associated with samples 10B00067 - 10B00074.
Method blank-133057 is associated with samples 10B00075 - 10B00078.

LFBLANK-95385 is associated with samples 10B00067 - 10B00074.
LFBLANK-95386 is associated with samples 10B00075 - 10B00078.

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 7/12/2010

MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880
ATTN: KELLY CHATTERTON

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200914545

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-25351
JOB NUMBER: 3650080114.13

MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Laboratory Director

Chris Hall
Project Chemist Supervisor

Daren Damboragian
Laboratory Manager

* See end of data tabulation for notes and comments pertaining to this sample

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

7/12/2010

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : AA-1-070110

Sample ID : 10B00074

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.6	0.05		07/08/10	XC
Benzene	PPBv	ND	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	ND	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	0.78	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.08	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	ND	0.05		07/08/10	XC
Chloromethane	PPBv	0.46	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.48	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	ND	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	2.1	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	0.19	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	ND	0.05		07/08/10	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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‡ See attached chain-of-custody record for time sampled

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KELLY CHATTERTON
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107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : AA-1-070110

Sample ID : 10B00074

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.10	0.05		07/08/10	XC
2-Hexanone	PPBv	0.12	0.05		07/08/10	XC
Isopropanol	PPBv	0.32	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	0.33	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		07/08/10	XC
Propene	PPBv	ND	0.50		07/08/10	XC
Styrene	PPBv	ND	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	ND	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	ND	0.05		07/08/10	XC
Toluene	PPBv	0.15	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	ND	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.50	0.10		07/08/10	XC
o-Xylene	PPBv	0.10	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	13	0.12		07/08/10	XC
Benzene	ug/m3	ND	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	ND	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	2.3	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

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WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : AA-1-070110

Sample ID : 10B00074

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.51	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	ND	0.24		07/08/10	XC
Chloromethane	ug/m3	0.96	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.4	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	ND	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	4.0	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	0.82	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	ND	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	0.37	0.18		07/08/10	XC
2-Hexanone	ug/m3	0.49	0.20		07/08/10	XC
Isopropanol	ug/m3	0.79	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	1.1	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		07/08/10	XC
Propene	ug/m3	ND	0.87		07/08/10	XC
Styrene	ug/m3	ND	0.21		07/08/10	XC

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WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : AA-1-070110

Sample ID : 10B00074

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	ND	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	ND	0.15		07/08/10	XC
Toluene	ug/m3	0.57	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	ND	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.3	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.56	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	2.2	0.43		07/08/10	XC
o-Xylene	ug/m3	0.46	0.22		07/08/10	XC

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107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-5-070110

Sample ID : 10B00075

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2500	0.50		07/09/10	XC
Benzene	PPBv	2.6	0.50		07/09/10	XC
Benzyl Chloride	PPBv	ND	0.50		07/09/10	XC
Bromodichloromethane	PPBv	ND	0.50		07/09/10	XC
Bromoform	PPBv	ND	0.50		07/09/10	XC
Bromomethane	PPBv	ND	0.50		07/09/10	XC
1,3-Butadiene	PPBv	ND	0.50		07/09/10	XC
2-Butanone (MEK)	PPBv	9500	0.50		07/09/10	XC
Carbon Disulfide	PPBv	4.0	0.50		07/09/10	XC
Carbon Tetrachloride	PPBv	ND	0.50		07/09/10	XC
Chlorobenzene	PPBv	ND	0.50		07/09/10	XC
Chlorodibromomethane	PPBv	ND	0.50		07/09/10	XC
Chloroethane	PPBv	1.4	0.50		07/09/10	XC
Chloroform	PPBv	ND	0.50		07/09/10	XC
Chloromethane	PPBv	ND	0.50		07/09/10	XC
Cyclohexane	PPBv	ND	0.50		07/09/10	XC
1,2-Dibromoethane	PPBv	ND	0.50		07/09/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.50		07/09/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.50		07/09/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.50		07/09/10	XC
Dichlorodifluoromethane	PPBv	0.51	0.50		07/09/10	XC
1,1-Dichloroethane	PPBv	13	0.50		07/09/10	XC
1,2-Dichloroethane	PPBv	ND	0.50		07/09/10	XC
1,1-Dichloroethylene	PPBv	5.3	0.50		07/09/10	XC
cis-1,2-Dichloroethylene	PPBv	11	0.50		07/09/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.50		07/09/10	XC
1,2-Dichloropropane	PPBv	ND	0.50		07/09/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.50		07/09/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.50		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.50		07/09/10	XC
Ethanol	PPBv	36	0.50		07/09/10	XC
Ethyl Acetate	PPBv	ND	0.50		07/09/10	XC
Ethylbenzene	PPBv	ND	0.50		07/09/10	XC
4-Ethyl Toluene	PPBv	ND	0.50		07/09/10	XC
n-Heptane	PPBv	ND	0.50		07/09/10	XC

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KELLY CHATTERTON
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107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-5-070110

Sample ID : 10B00075

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.50		07/09/10	XC
Hexane	PPBv	ND	0.50		07/09/10	XC
2-Hexanone	PPBv	ND	0.50		07/09/10	XC
Isopropanol	PPBv	22	0.50		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.50		07/09/10	XC
Methylene Chloride	PPBv	2.5	0.50		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.50		07/09/10	XC
Propene	PPBv	ND	5.0		07/09/10	XC
Styrene	PPBv	ND	0.50		07/09/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.50		07/09/10	XC
Tetrachloroethylene	PPBv	0.99	0.50		07/09/10	XC
Tetrahydrofuran	PPBv	13000	0.50		07/09/10	XC
Toluene	PPBv	ND	0.50		07/09/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.50		07/09/10	XC
1,1,1-Trichloroethane	PPBv	100	0.50		07/09/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.50		07/09/10	XC
Trichloroethylene	PPBv	220	0.50		07/09/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	1.3	0.50		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.50		07/09/10	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.50		07/09/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.50		07/09/10	XC
Vinyl Acetate	PPBv	ND	0.50		07/09/10	XC
Vinyl Chloride	PPBv	1.2	0.50		07/09/10	XC
m/p-Xylene	PPBv	ND	1.0		07/09/10	XC
o-Xylene	PPBv	ND	0.50		07/09/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	6000	1.2		07/09/10	XC
Benzene	ug/m3	8.2	1.6		07/09/10	XC
Benzyl Chloride	ug/m3	ND	2.6		07/09/10	XC
Bromodichloromethane	ug/m3	ND	3.3		07/09/10	XC
Bromoform	ug/m3	ND	5.1		07/09/10	XC
Bromomethane	ug/m3	ND	1.9		07/09/10	XC
1,3-Butadiene	ug/m3	ND	1.1		07/09/10	XC
2-Butanone (MEK)	ug/m3	28000	1.5		07/09/10	XC
Carbon Disulfide	ug/m3	12	1.6		07/09/10	XC

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Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-5-070110

Sample ID : 10B00075

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	ND	3.1		07/09/10	XC
Chlorobenzene	ug/m3	ND	2.3		07/09/10	XC
Chlorodibromomethane	ug/m3	ND	4.3		07/09/10	XC
Chloroethane	ug/m3	3.6	1.3		07/09/10	XC
Chloroform	ug/m3	ND	2.4		07/09/10	XC
Chloromethane	ug/m3	ND	1.0		07/09/10	XC
Cyclohexane	ug/m3	ND	1.7		07/09/10	XC
1,2-Dibromoethane	ug/m3	ND	3.8		07/09/10	XC
1,2-Dichlorobenzene	ug/m3	ND	3.0		07/09/10	XC
1,3-Dichlorobenzene	ug/m3	ND	3.0		07/09/10	XC
1,4-Dichlorobenzene	ug/m3	ND	3.0		07/09/10	XC
Dichlorodifluoromethane	ug/m3	2.5	2.5		07/09/10	XC
1,1-Dichloroethane	ug/m3	53	2.0		07/09/10	XC
1,2-Dichloroethane	ug/m3	ND	2.0		07/09/10	XC
1,1-Dichloroethylene	ug/m3	21	2.0		07/09/10	XC
cis-1,2-Dichloroethylene	ug/m3	43	2.0		07/09/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	2.0		07/09/10	XC
1,2-Dichloropropane	ug/m3	ND	2.3		07/09/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	2.2		07/09/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	2.2		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	3.5		07/09/10	XC
Ethanol	ug/m3	68	0.90		07/09/10	XC
Ethyl Acetate	ug/m3	ND	1.8		07/09/10	XC
Ethylbenzene	ug/m3	ND	2.2		07/09/10	XC
4-Ethyl Toluene	ug/m3	ND	2.5		07/09/10	XC
n-Heptane	ug/m3	ND	2.0		07/09/10	XC
Hexachlorobutadiene	ug/m3	ND	5.3		07/09/10	XC
Hexane	ug/m3	ND	1.8		07/09/10	XC
2-Hexanone	ug/m3	ND	2.0		07/09/10	XC
Isopropanol	ug/m3	54	1.2		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	1.8		07/09/10	XC
Methylene Chloride	ug/m3	8.6	1.7		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	2.0		07/09/10	XC
Propene	ug/m3	ND	8.7		07/09/10	XC
Styrene	ug/m3	ND	2.1		07/09/10	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-5-070110

Sample ID : 10B00075

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	3.4		07/09/10	XC
Tetrachloroethylene	ug/m3	6.7	3.4		07/09/10	XC
Tetrahydrofuran	ug/m3	37000	1.5		07/09/10	XC
Toluene	ug/m3	ND	1.9		07/09/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	3.7		07/09/10	XC
1,1,1-Trichloroethane	ug/m3	550	2.7		07/09/10	XC
1,1,2-Trichloroethane	ug/m3	ND	2.7		07/09/10	XC
Trichloroethylene	ug/m3	1200	2.7		07/09/10	XC
Trichlorofluoromethane	ug/m3	7.4	2.8		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	3.8		07/09/10	XC
1,2,4-Trimethylbenzene	ug/m3	ND	2.5		07/09/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	2.5		07/09/10	XC
Vinyl Acetate	ug/m3	ND	1.8		07/09/10	XC
Vinyl Chloride	ug/m3	3.1	1.3		07/09/10	XC
m/p-Xylene	ug/m3	ND	4.3		07/09/10	XC
o-Xylene	ug/m3	ND	2.2		07/09/10	XC

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ANALYTICAL LABORATORY

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KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-6-070110

Sample ID : 10B00076

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	210	0.50		07/09/10	XC
Benzene	PPBv	ND	0.50		07/09/10	XC
Benzyl Chloride	PPBv	ND	0.50		07/09/10	XC
Bromodichloromethane	PPBv	ND	0.50		07/09/10	XC
Bromoform	PPBv	ND	0.50		07/09/10	XC
Bromomethane	PPBv	ND	0.50		07/09/10	XC
1,3-Butadiene	PPBv	ND	0.50		07/09/10	XC
2-Butanone (MEK)	PPBv	600	0.50		07/09/10	XC
Carbon Disulfide	PPBv	2.6	0.50		07/09/10	XC
Carbon Tetrachloride	PPBv	ND	0.50		07/09/10	XC
Chlorobenzene	PPBv	ND	0.50		07/09/10	XC
Chlorodibromomethane	PPBv	ND	0.50		07/09/10	XC
Chloroethane	PPBv	ND	0.50		07/09/10	XC
Chloroform	PPBv	0.75	0.50		07/09/10	XC
Chloromethane	PPBv	18	0.50		07/09/10	XC
Cyclohexane	PPBv	ND	0.50		07/09/10	XC
1,2-Dibromoethane	PPBv	ND	0.50		07/09/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.50		07/09/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.50		07/09/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.50		07/09/10	XC
Dichlorodifluoromethane	PPBv	ND	0.50		07/09/10	XC
1,1-Dichloroethane	PPBv	12	0.50		07/09/10	XC
1,2-Dichloroethane	PPBv	ND	0.50		07/09/10	XC
1,1-Dichloroethylene	PPBv	0.89	0.50		07/09/10	XC
cis-1,2-Dichloroethylene	PPBv	2.8	0.50		07/09/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.50		07/09/10	XC
1,2-Dichloropropane	PPBv	ND	0.50		07/09/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.50		07/09/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.50		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.50		07/09/10	XC
Ethanol	PPBv	8.2	0.50		07/09/10	XC
Ethyl Acetate	PPBv	ND	0.50		07/09/10	XC
Ethylbenzene	PPBv	ND	0.50		07/09/10	XC
4-Ethyl Toluene	PPBv	ND	0.50		07/09/10	XC
n-Heptane	PPBv	ND	0.50		07/09/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-6-070110

Sample ID : 10B00076

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.50		07/09/10	XC
Hexane	PPBv	ND	0.50		07/09/10	XC
2-Hexanone	PPBv	ND	0.50		07/09/10	XC
Isopropanol	PPBv	ND	0.50		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.50		07/09/10	XC
Methylene Chloride	PPBv	3.0	0.50		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.50		07/09/10	XC
Propene	PPBv	ND	5.0		07/09/10	XC
Styrene	PPBv	ND	0.50		07/09/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.50		07/09/10	XC
Tetrachloroethylene	PPBv	5.0	0.50		07/09/10	XC
Tetrahydrofuran	PPBv	14000	0.50		07/09/10	XC
Toluene	PPBv	ND	0.50		07/09/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.50		07/09/10	XC
1,1,1-Trichloroethane	PPBv	79	0.50		07/09/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.50		07/09/10	XC
Trichloroethylene	PPBv	130	0.50		07/09/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	1.2	0.50		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.50		07/09/10	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.50		07/09/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.50		07/09/10	XC
Vinyl Acetate	PPBv	ND	0.50		07/09/10	XC
Vinyl Chloride	PPBv	0.68	0.50		07/09/10	XC
m/p-Xylene	PPBv	ND	1.0		07/09/10	XC
o-Xylene	PPBv	ND	0.50		07/09/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	490	1.2		07/09/10	XC
Benzene	ug/m3	ND	1.6		07/09/10	XC
Benzyl Chloride	ug/m3	ND	2.6		07/09/10	XC
Bromodichloromethane	ug/m3	ND	3.3		07/09/10	XC
Bromoform	ug/m3	ND	5.1		07/09/10	XC
Bromomethane	ug/m3	ND	1.9		07/09/10	XC
1,3-Butadiene	ug/m3	ND	1.1		07/09/10	XC
2-Butanone (MEK)	ug/m3	1800	1.5		07/09/10	XC
Carbon Disulfide	ug/m3	8.0	1.6		07/09/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-6-070110

Sample ID : 10B00076

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	ND	3.1		07/09/10	XC
Chlorobenzene	ug/m3	ND	2.3		07/09/10	XC
Chlorodibromomethane	ug/m3	ND	4.3		07/09/10	XC
Chloroethane	ug/m3	ND	1.3		07/09/10	XC
Chloroform	ug/m3	3.7	2.4		07/09/10	XC
Chloromethane	ug/m3	38	1.0		07/09/10	XC
Cyclohexane	ug/m3	ND	1.7		07/09/10	XC
1,2-Dibromoethane	ug/m3	ND	3.8		07/09/10	XC
1,2-Dichlorobenzene	ug/m3	ND	3.0		07/09/10	XC
1,3-Dichlorobenzene	ug/m3	ND	3.0		07/09/10	XC
1,4-Dichlorobenzene	ug/m3	ND	3.0		07/09/10	XC
Dichlorodifluoromethane	ug/m3	ND	2.5		07/09/10	XC
1,1-Dichloroethane	ug/m3	47	2.0		07/09/10	XC
1,2-Dichloroethane	ug/m3	ND	2.0		07/09/10	XC
1,1-Dichloroethylene	ug/m3	3.5	2.0		07/09/10	XC
cis-1,2-Dichloroethylene	ug/m3	11	2.0		07/09/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	2.0		07/09/10	XC
1,2-Dichloropropane	ug/m3	ND	2.3		07/09/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	2.2		07/09/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	2.2		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	3.5		07/09/10	XC
Ethanol	ug/m3	15	0.90		07/09/10	XC
Ethyl Acetate	ug/m3	ND	1.8		07/09/10	XC
Ethylbenzene	ug/m3	ND	2.2		07/09/10	XC
4-Ethyl Toluene	ug/m3	ND	2.5		07/09/10	XC
n-Heptane	ug/m3	ND	2.0		07/09/10	XC
Hexachlorobutadiene	ug/m3	ND	5.3		07/09/10	XC
Hexane	ug/m3	ND	1.8		07/09/10	XC
2-Hexanone	ug/m3	ND	2.0		07/09/10	XC
Isopropanol	ug/m3	ND	1.2		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	1.8		07/09/10	XC
Methylene Chloride	ug/m3	10	1.7		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	2.0		07/09/10	XC
Propene	ug/m3	ND	8.7		07/09/10	XC
Styrene	ug/m3	ND	2.1		07/09/10	XC

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con-test® ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-6-070110

Sample ID : 10B00076

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	3.4		07/09/10	XC
Tetrachloroethylene	ug/m3	34	3.4		07/09/10	XC
Tetrahydrofuran	ug/m3	42000	1.5		07/09/10	XC
Toluene	ug/m3	ND	1.9		07/09/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	3.7		07/09/10	XC
1,1,1-Trichloroethane	ug/m3	430	2.7		07/09/10	XC
1,1,2-Trichloroethane	ug/m3	ND	2.7		07/09/10	XC
Trichloroethylene	ug/m3	730	2.7		07/09/10	XC
Trichlorofluoromethane	ug/m3	6.7	2.8		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	3.8		07/09/10	XC
1,2,4-Trimethylbenzene	ug/m3	ND	2.5		07/09/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	2.5		07/09/10	XC
Vinyl Acetate	ug/m3	ND	1.8		07/09/10	XC
Vinyl Chloride	ug/m3	1.7	1.3		07/09/10	XC
m/p-Xylene	ug/m3	ND	4.3		07/09/10	XC
o-Xylene	ug/m3	ND	2.2		07/09/10	XC

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KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-7-070110

Sample ID : 10B00077

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	10	0.10		07/09/10	XC
Benzene	PPBv	0.52	0.10		07/09/10	XC
Benzyl Chloride	PPBv	ND	0.10		07/09/10	XC
Bromodichloromethane	PPBv	ND	0.10		07/09/10	XC
Bromoform	PPBv	ND	0.10		07/09/10	XC
Bromomethane	PPBv	ND	0.10		07/09/10	XC
1,3-Butadiene	PPBv	ND	0.10		07/09/10	XC
2-Butanone (MEK)	PPBv	1.3	0.10		07/09/10	XC
Carbon Disulfide	PPBv	0.30	0.10		07/09/10	XC
Carbon Tetrachloride	PPBv	ND	0.10		07/09/10	XC
Chlorobenzene	PPBv	ND	0.10		07/09/10	XC
Chlorodibromomethane	PPBv	ND	0.10		07/09/10	XC
Chloroethane	PPBv	0.83	0.10		07/09/10	XC
Chloroform	PPBv	0.87	0.10		07/09/10	XC
Chloromethane	PPBv	ND	0.10		07/09/10	XC
Cyclohexane	PPBv	ND	0.10		07/09/10	XC
1,2-Dibromoethane	PPBv	ND	0.10		07/09/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.10		07/09/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.10		07/09/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.10		07/09/10	XC
Dichlorodifluoromethane	PPBv	0.45	0.10		07/09/10	XC
1,1-Dichloroethane	PPBv	79	0.10		07/09/10	XC
1,2-Dichloroethane	PPBv	ND	0.10		07/09/10	XC
1,1-Dichloroethylene	PPBv	0.20	0.10		07/09/10	XC
cis-1,2-Dichloroethylene	PPBv	170	0.10		07/09/10	XC
t-1,2-Dichloroethylene	PPBv	31	0.10		07/09/10	XC
1,2-Dichloropropane	PPBv	ND	0.10		07/09/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.10		07/09/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.10		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.10		07/09/10	XC
Ethanol	PPBv	17	0.10		07/09/10	XC
Ethyl Acetate	PPBv	ND	0.10		07/09/10	XC
Ethylbenzene	PPBv	ND	0.10		07/09/10	XC
4-Ethyl Toluene	PPBv	ND	0.10		07/09/10	XC
n-Heptane	PPBv	ND	0.10		07/09/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-7-070110

Sample ID : 10B00077
‡Sampled : 7/1/2010
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.10		07/09/10	XC
Hexane	PPBv	0.27	0.10		07/09/10	XC
2-Hexanone	PPBv	0.25	0.10		07/09/10	XC
Isopropanol	PPBv	0.88	0.10		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.10		07/09/10	XC
Methylene Chloride	PPBv	0.70	0.10		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.10		07/09/10	XC
Propene	PPBv	ND	1.0		07/09/10	XC
Styrene	PPBv	0.16	0.10		07/09/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.10		07/09/10	XC
Tetrachloroethylene	PPBv	76	0.10		07/09/10	XC
Tetrahydrofuran	PPBv	0.24	0.10		07/09/10	XC
Toluene	PPBv	1.3	0.10		07/09/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.10		07/09/10	XC
1,1,1-Trichloroethane	PPBv	46	0.10		07/09/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.10		07/09/10	XC
Trichloroethylene	PPBv	130	0.10		07/09/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	120	0.10		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.10		07/09/10	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.10		07/09/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.10		07/09/10	XC
Vinyl Acetate	PPBv	ND	0.10		07/09/10	XC
Vinyl Chloride	PPBv	ND	0.10		07/09/10	XC
m/p-Xylene	PPBv	0.21	0.20		07/09/10	XC
o-Xylene	PPBv	ND	0.10		07/09/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	25	0.24		07/09/10	XC
Benzene	ug/m3	1.7	0.32		07/09/10	XC
Benzyl Chloride	ug/m3	ND	0.52		07/09/10	XC
Bromodichloromethane	ug/m3	ND	0.66		07/09/10	XC
Bromoform	ug/m3	ND	1.1		07/09/10	XC
Bromomethane	ug/m3	ND	0.38		07/09/10	XC
1,3-Butadiene	ug/m3	ND	0.22		07/09/10	XC
2-Butanone (MEK)	ug/m3	3.8	0.30		07/09/10	XC
Carbon Disulfide	ug/m3	0.93	0.32		07/09/10	XC

RL = Reporting Limit

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‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
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107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

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Date Received: 7/2/2010

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Job Number: 3650080114.13

Field Sample # : EW-7-070110

Sample ID : 10B00077

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	ND	0.62		07/09/10	XC
Chlorobenzene	ug/m3	ND	0.46		07/09/10	XC
Chlorodibromomethane	ug/m3	ND	0.86		07/09/10	XC
Chloroethane	ug/m3	2.2	0.26		07/09/10	XC
Chloroform	ug/m3	4.2	0.48		07/09/10	XC
Chloromethane	ug/m3	ND	0.20		07/09/10	XC
Cyclohexane	ug/m3	ND	0.34		07/09/10	XC
1,2-Dibromoethane	ug/m3	ND	0.76		07/09/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.60		07/09/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.60		07/09/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.60		07/09/10	XC
Dichlorodifluoromethane	ug/m3	2.2	0.50		07/09/10	XC
1,1-Dichloroethane	ug/m3	320	0.40		07/09/10	XC
1,2-Dichloroethane	ug/m3	ND	0.40		07/09/10	XC
1,1-Dichloroethylene	ug/m3	0.81	0.40		07/09/10	XC
cis-1,2-Dichloroethylene	ug/m3	660	0.40		07/09/10	XC
t-1,2-Dichloroethylene	ug/m3	120	0.40		07/09/10	XC
1,2-Dichloropropane	ug/m3	ND	0.46		07/09/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.44		07/09/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.44		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.70		07/09/10	XC
Ethanol	ug/m3	31	0.18		07/09/10	XC
Ethyl Acetate	ug/m3	ND	0.36		07/09/10	XC
Ethylbenzene	ug/m3	ND	0.44		07/09/10	XC
4-Ethyl Toluene	ug/m3	ND	0.50		07/09/10	XC
n-Heptane	ug/m3	ND	0.40		07/09/10	XC
Hexachlorobutadiene	ug/m3	ND	1.1		07/09/10	XC
Hexane	ug/m3	0.97	0.36		07/09/10	XC
2-Hexanone	ug/m3	1.0	0.40		07/09/10	XC
Isopropanol	ug/m3	2.2	0.24		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.36		07/09/10	XC
Methylene Chloride	ug/m3	2.4	0.34		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.40		07/09/10	XC
Propene	ug/m3	ND	1.8		07/09/10	XC
Styrene	ug/m3	0.67	0.42		07/09/10	XC

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KELLY CHATTERTON
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107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-7-070110

Sample ID : 10B00077
‡Sampled : 7/1/2010
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.68		07/09/10	XC
Tetrachloroethylene	ug/m3	510	0.68		07/09/10	XC
Tetrahydrofuran	ug/m3	0.70	0.30		07/09/10	XC
Toluene	ug/m3	4.8	0.38		07/09/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.74		07/09/10	XC
1,1,1-Trichloroethane	ug/m3	250	0.54		07/09/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.54		07/09/10	XC
Trichloroethylene	ug/m3	690	0.54		07/09/10	XC
Trichlorofluoromethane	ug/m3	690	0.56		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	0.76		07/09/10	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.50		07/09/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.50		07/09/10	XC
Vinyl Acetate	ug/m3	ND	0.36		07/09/10	XC
Vinyl Chloride	ug/m3	ND	0.26		07/09/10	XC
m/p-Xylene	ug/m3	0.93	0.86		07/09/10	XC
o-Xylene	ug/m3	ND	0.44		07/09/10	XC

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KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-COMBINED-070110

Sample ID : 10B00078

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.8	0.10		07/09/10	XC
Benzene	PPBv	0.26	0.10		07/09/10	XC
Benzyl Chloride	PPBv	ND	0.10		07/09/10	XC
Bromodichloromethane	PPBv	ND	0.10		07/09/10	XC
Bromoform	PPBv	ND	0.10		07/09/10	XC
Bromomethane	PPBv	ND	0.10		07/09/10	XC
1,3-Butadiene	PPBv	ND	0.10		07/09/10	XC
2-Butanone (MEK)	PPBv	7.5	0.10		07/09/10	XC
Carbon Disulfide	PPBv	0.37	0.10		07/09/10	XC
Carbon Tetrachloride	PPBv	0.12	0.10		07/09/10	XC
Chlorobenzene	PPBv	ND	0.10		07/09/10	XC
Chlorodibromomethane	PPBv	ND	0.10		07/09/10	XC
Chloroethane	PPBv	3.6	0.10		07/09/10	XC
Chloroform	PPBv	1.7	0.10		07/09/10	XC
Chloromethane	PPBv	ND	0.10		07/09/10	XC
Cyclohexane	PPBv	ND	0.10		07/09/10	XC
1,2-Dibromoethane	PPBv	ND	0.10		07/09/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.10		07/09/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.10		07/09/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.10		07/09/10	XC
Dichlorodifluoromethane	PPBv	0.51	0.10		07/09/10	XC
1,1-Dichloroethane	PPBv	71	0.10		07/09/10	XC
1,2-Dichloroethane	PPBv	ND	0.10		07/09/10	XC
1,1-Dichloroethylene	PPBv	13	0.10		07/09/10	XC
cis-1,2-Dichloroethylene	PPBv	66	0.10		07/09/10	XC
t-1,2-Dichloroethylene	PPBv	1.4	0.10		07/09/10	XC
1,2-Dichloropropane	PPBv	ND	0.10		07/09/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.10		07/09/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.10		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.10		07/09/10	XC
Ethanol	PPBv	7.8	0.10		07/09/10	XC
Ethyl Acetate	PPBv	ND	0.10		07/09/10	XC
Ethylbenzene	PPBv	ND	0.10		07/09/10	XC
4-Ethyl Toluene	PPBv	ND	0.10		07/09/10	XC
n-Heptane	PPBv	ND	0.10		07/09/10	XC

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107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : EW-COMBINED-070110

Sample ID : 10B00078

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.10		07/09/10	XC
Hexane	PPBv	0.12	0.10		07/09/10	XC
2-Hexanone	PPBv	ND	0.10		07/09/10	XC
Isopropanol	PPBv	ND	0.10		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.10		07/09/10	XC
Methylene Chloride	PPBv	0.60	0.10		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.10		07/09/10	XC
Propene	PPBv	ND	1.0		07/09/10	XC
Styrene	PPBv	ND	0.10		07/09/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.10		07/09/10	XC
Tetrachloroethylene	PPBv	95	0.10		07/09/10	XC
Tetrahydrofuran	PPBv	22	0.10		07/09/10	XC
Toluene	PPBv	0.11	0.10		07/09/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.10		07/09/10	XC
1,1,1-Trichloroethane	PPBv	370	0.10		07/09/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.10		07/09/10	XC
Trichloroethylene	PPBv	330	0.10		07/09/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	78	0.10		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.10		07/09/10	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.10		07/09/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.10		07/09/10	XC
Vinyl Acetate	PPBv	ND	0.10		07/09/10	XC
Vinyl Chloride	PPBv	ND	0.10		07/09/10	XC
m/p-Xylene	PPBv	ND	0.20		07/09/10	XC
o-Xylene	PPBv	ND	0.10		07/09/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	16	0.24		07/09/10	XC
Benzene	ug/m3	0.84	0.32		07/09/10	XC
Benzyl Chloride	ug/m3	ND	0.52		07/09/10	XC
Bromodichloromethane	ug/m3	ND	0.66		07/09/10	XC
Bromoform	ug/m3	ND	1.1		07/09/10	XC
Bromomethane	ug/m3	ND	0.38		07/09/10	XC
1,3-Butadiene	ug/m3	ND	0.22		07/09/10	XC
2-Butanone (MEK)	ug/m3	22	0.30		07/09/10	XC
Carbon Disulfide	ug/m3	1.1	0.32		07/09/10	XC

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Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.73	0.62		07/09/10	XC
Chlorobenzene	ug/m3	ND	0.46		07/09/10	XC
Chlorodibromomethane	ug/m3	ND	0.86		07/09/10	XC
Chloroethane	ug/m3	9.4	0.26		07/09/10	XC
Chloroform	ug/m3	8.0	0.48		07/09/10	XC
Chloromethane	ug/m3	ND	0.20		07/09/10	XC
Cyclohexane	ug/m3	ND	0.34		07/09/10	XC
1,2-Dibromoethane	ug/m3	ND	0.76		07/09/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.60		07/09/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.60		07/09/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.60		07/09/10	XC
Dichlorodifluoromethane	ug/m3	2.5	0.50		07/09/10	XC
1,1-Dichloroethane	ug/m3	290	0.40		07/09/10	XC
1,2-Dichloroethane	ug/m3	ND	0.40		07/09/10	XC
1,1-Dichloroethylene	ug/m3	52	0.40		07/09/10	XC
cis-1,2-Dichloroethylene	ug/m3	260	0.40		07/09/10	XC
t-1,2-Dichloroethylene	ug/m3	5.5	0.40		07/09/10	XC
1,2-Dichloropropane	ug/m3	ND	0.46		07/09/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.44		07/09/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.44		07/09/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.70		07/09/10	XC
Ethanol	ug/m3	15	0.18		07/09/10	XC
Ethyl Acetate	ug/m3	ND	0.36		07/09/10	XC
Ethylbenzene	ug/m3	ND	0.44		07/09/10	XC
4-Ethyl Toluene	ug/m3	ND	0.50		07/09/10	XC
n-Heptane	ug/m3	ND	0.40		07/09/10	XC
Hexachlorobutadiene	ug/m3	ND	1.1		07/09/10	XC
Hexane	ug/m3	0.44	0.36		07/09/10	XC
2-Hexanone	ug/m3	ND	0.40		07/09/10	XC
Isopropanol	ug/m3	ND	0.24		07/09/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.36		07/09/10	XC
Methylene Chloride	ug/m3	2.1	0.34		07/09/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.40		07/09/10	XC
Propene	ug/m3	ND	1.8		07/09/10	XC
Styrene	ug/m3	ND	0.42		07/09/10	XC

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Job Number: 3650080114.13

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Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.68		07/09/10	XC
Tetrachloroethylene	ug/m3	640	0.68		07/09/10	XC
Tetrahydrofuran	ug/m3	65	0.30		07/09/10	XC
Toluene	ug/m3	0.41	0.38		07/09/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.74		07/09/10	XC
1,1,1-Trichloroethane	ug/m3	2000	0.54		07/09/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.54		07/09/10	XC
Trichloroethylene	ug/m3	1700	0.54		07/09/10	XC
Trichlorofluoromethane	ug/m3	440	0.56		07/09/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	0.76		07/09/10	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.50		07/09/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.50		07/09/10	XC
Vinyl Acetate	ug/m3	ND	0.36		07/09/10	XC
Vinyl Chloride	ug/m3	ND	0.26		07/09/10	XC
m/p-Xylene	ug/m3	ND	0.86		07/09/10	XC
o-Xylene	ug/m3	ND	0.44		07/09/10	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-1-070110

Sample ID : 10B00067
‡Sampled : 7/1/2010
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.4	0.05		07/08/10	XC
Benzene	PPBv	0.14	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	ND	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	1.1	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.08	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	ND	0.05		07/08/10	XC
Chloromethane	PPBv	0.57	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.54	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	0.12	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	ND	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	3.5	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	0.06	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	ND	0.05		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-1-070110

Sample ID : 10B00067

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.13	0.05		07/08/10	XC
2-Hexanone	PPBv	0.18	0.05		07/08/10	XC
Isopropanol	PPBv	0.30	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	0.35	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.08	0.05		07/08/10	XC
Propene	PPBv	ND	0.50		07/08/10	XC
Styrene	PPBv	0.07	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	0.16	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	0.08	0.05		07/08/10	XC
Toluene	PPBv	0.26	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	0.08	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.26	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	0.09	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.28	0.10		07/08/10	XC
o-Xylene	PPBv	0.12	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	18	0.12		07/08/10	XC
Benzene	ug/m3	0.46	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	ND	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	3.3	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-1-070110

Sample ID : 10B00067

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.52	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	ND	0.24		07/08/10	XC
Chloromethane	ug/m3	1.2	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	0.50	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	ND	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	6.5	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	0.27	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	ND	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	0.46	0.18		07/08/10	XC
2-Hexanone	ug/m3	0.75	0.20		07/08/10	XC
Isopropanol	ug/m3	0.74	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	1.2	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.35	0.20		07/08/10	XC
Propene	ug/m3	ND	0.87		07/08/10	XC
Styrene	ug/m3	0.31	0.21		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-1-070110

Sample ID : 10B00067

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	1.1	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	0.24	0.15		07/08/10	XC
Toluene	ug/m3	0.99	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	0.40	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.4	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.53	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	0.43	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	1.2	0.43		07/08/10	XC
o-Xylene	ug/m3	0.51	0.22		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-2-070110

Sample ID : 10B00068

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	8.5	0.05		07/08/10	XC
Benzene	PPBv	0.15	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	0.06	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	1.1	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.08	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	ND	0.05		07/08/10	XC
Chloromethane	PPBv	0.58	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.53	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	0.15	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	ND	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	4.0	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	0.07	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	0.19	0.05		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-2-070110

Sample ID : 10B00068

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.14	0.05		07/08/10	XC
2-Hexanone	PPBv	0.17	0.05		07/08/10	XC
Isopropanol	PPBv	0.48	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	0.36	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.12	0.05		07/08/10	XC
Propene	PPBv	ND	0.50		07/08/10	XC
Styrene	PPBv	0.08	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	0.20	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	0.09	0.05		07/08/10	XC
Toluene	PPBv	0.35	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	0.05	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	0.10	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.28	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.12	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	0.10	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.30	0.10		07/08/10	XC
o-Xylene	PPBv	0.13	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	20	0.12		07/08/10	XC
Benzene	ug/m3	0.48	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	0.22	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	3.4	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

RL = Reporting Limit

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‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-2-070110

Sample ID : 10B00068

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.52	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	ND	0.24		07/08/10	XC
Chloromethane	ug/m3	1.2	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	0.61	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	ND	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	7.6	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	0.29	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	0.80	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	0.49	0.18		07/08/10	XC
2-Hexanone	ug/m3	0.68	0.20		07/08/10	XC
Isopropanol	ug/m3	1.2	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	1.3	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.49	0.20		07/08/10	XC
Propene	ug/m3	ND	0.87		07/08/10	XC
Styrene	ug/m3	0.36	0.21		07/08/10	XC

RL = Reporting Limit

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NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-2-070110

Sample ID : 10B00068

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	1.4	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	0.27	0.15		07/08/10	XC
Toluene	ug/m3	1.3	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	0.28	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	0.53	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.6	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.94	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	0.48	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	1.3	0.43		07/08/10	XC
o-Xylene	ug/m3	0.57	0.22		07/08/10	XC

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KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-3-070110

Sample ID : 10B00069

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	8.9	0.05		07/08/10	XC
Benzene	PPBv	0.16	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	ND	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	1.1	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.09	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	ND	0.05		07/08/10	XC
Chloromethane	PPBv	0.58	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.55	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	0.13	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	ND	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	3.7	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	0.07	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	ND	0.05		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-3-070110

Sample ID : 10B00069
‡Sampled : 7/1/2010
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.13	0.05		07/08/10	XC
2-Hexanone	PPBv	0.16	0.05		07/08/10	XC
Isopropanol	PPBv	0.31	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	0.34	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.09	0.05		07/08/10	XC
Propene	PPBv	ND	0.50		07/08/10	XC
Styrene	PPBv	0.08	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	0.17	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	0.08	0.05		07/08/10	XC
Toluene	PPBv	0.29	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	0.09	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.26	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	0.09	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.29	0.10		07/08/10	XC
o-Xylene	PPBv	0.13	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	21	0.12		07/08/10	XC
Benzene	ug/m3	0.51	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	ND	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	3.3	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-3-070110

Sample ID : 10B00069

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.57	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	ND	0.24		07/08/10	XC
Chloromethane	ug/m3	1.2	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	0.51	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	ND	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	7.0	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	0.29	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	ND	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	0.45	0.18		07/08/10	XC
2-Hexanone	ug/m3	0.67	0.20		07/08/10	XC
Isopropanol	ug/m3	0.76	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	1.2	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.38	0.20		07/08/10	XC
Propene	ug/m3	ND	0.87		07/08/10	XC
Styrene	ug/m3	0.34	0.21		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-3-070110

Sample ID : 10B00069

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	1.1	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	0.24	0.15		07/08/10	XC
Toluene	ug/m3	1.1	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	0.47	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.5	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.54	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	0.46	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	1.3	0.43		07/08/10	XC
o-Xylene	ug/m3	0.58	0.22		07/08/10	XC

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ANALYTICAL LABORATORY

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KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-4-070110

Sample ID : 10B00070

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	13	0.05		07/08/10	XC
Benzene	PPBv	0.15	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	ND	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	1.6	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.08	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	ND	0.05		07/08/10	XC
Chloromethane	PPBv	0.57	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	0.11	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	ND	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	4.6	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	0.07	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	0.05	0.05		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-4-070110

Sample ID : 10B00070

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.79	0.05		07/08/10	XC
2-Hexanone	PPBv	0.25	0.05		07/08/10	XC
Isopropanol	PPBv	0.75	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	2.2	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.10	0.05		07/08/10	XC
Propene	PPBv	0.66	0.05		07/08/10	XC
Styrene	PPBv	0.07	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	0.16	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	0.08	0.05		07/08/10	XC
Toluene	PPBv	0.27	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	0.08	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.34	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	0.08	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.26	0.10		07/08/10	XC
o-Xylene	PPBv	0.12	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	31	0.12		07/08/10	XC
Benzene	ug/m3	0.47	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	ND	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	4.8	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

RL = Reporting Limit

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NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-4-070110

Sample ID : 10B00070

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.48	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	ND	0.24		07/08/10	XC
Chloromethane	ug/m3	1.2	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	0.44	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	ND	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	8.7	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	0.29	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	0.22	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	2.8	0.18		07/08/10	XC
2-Hexanone	ug/m3	1.0	0.20		07/08/10	XC
Isopropanol	ug/m3	1.8	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	7.7	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.43	0.20		07/08/10	XC
Propene	ug/m3	1.1	0.09		07/08/10	XC
Styrene	ug/m3	0.29	0.21		07/08/10	XC

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con-test® ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-4-070110

Sample ID : 10B00070

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	1.1	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	0.24	0.15		07/08/10	XC
Toluene	ug/m3	1.0	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	0.44	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.9	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.59	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	0.41	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	1.1	0.43		07/08/10	XC
o-Xylene	ug/m3	0.50	0.22		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-5-070110

Sample ID : 10B00071

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.8	0.05		07/08/10	XC
Benzene	PPBv	ND	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	ND	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	0.71	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.08	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	ND	0.05		07/08/10	XC
Chloromethane	PPBv	0.48	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.48	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	ND	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	31	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	0.10	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	ND	0.05		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-5-070110

Sample ID : 10B00071

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.14	0.05		07/08/10	XC
2-Hexanone	PPBv	0.11	0.05		07/08/10	XC
Isopropanol	PPBv	0.76	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	0.38	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		07/08/10	XC
Propene	PPBv	ND	0.50		07/08/10	XC
Styrene	PPBv	0.08	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	ND	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	ND	0.05		07/08/10	XC
Toluene	PPBv	0.19	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	ND	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.26	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.28	0.10		07/08/10	XC
o-Xylene	PPBv	0.07	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	18	0.12		07/08/10	XC
Benzene	ug/m3	ND	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	ND	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	2.1	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
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107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-5-070110

Sample ID : 10B00071

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.53	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	ND	0.24		07/08/10	XC
Chloromethane	ug/m3	1.0	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.4	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	ND	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	58	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	0.44	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	ND	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	0.48	0.18		07/08/10	XC
2-Hexanone	ug/m3	0.44	0.20		07/08/10	XC
Isopropanol	ug/m3	1.9	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	1.3	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		07/08/10	XC
Propene	ug/m3	ND	0.87		07/08/10	XC
Styrene	ug/m3	0.32	0.21		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-5-070110

Sample ID : 10B00071

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	ND	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	ND	0.15		07/08/10	XC
Toluene	ug/m3	0.70	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	ND	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.5	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.55	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	1.2	0.43		07/08/10	XC
o-Xylene	ug/m3	0.31	0.22		07/08/10	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-6-070110

Sample ID : 10B00072

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.9	0.05		07/08/10	XC
Benzene	PPBv	0.06	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	ND	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	0.39	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.09	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	0.07	0.05		07/08/10	XC
Chloromethane	PPBv	0.48	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.48	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	ND	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	9.5	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	ND	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	0.34	0.05		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-6-070110

Sample ID : 10B00072

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.38	0.05		07/08/10	XC
2-Hexanone	PPBv	ND	0.05		07/08/10	XC
Isopropanol	PPBv	0.41	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	1.3	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		07/08/10	XC
Propene	PPBv	ND	0.50		07/08/10	XC
Styrene	PPBv	0.06	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	ND	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	ND	0.05		07/08/10	XC
Toluene	PPBv	0.46	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	ND	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.27	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.13	0.10		07/08/10	XC
o-Xylene	PPBv	ND	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	14	0.12		07/08/10	XC
Benzene	ug/m3	0.19	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	ND	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	1.1	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-6-070110

Sample ID : 10B00072

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.55	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	0.36	0.24		07/08/10	XC
Chloromethane	ug/m3	1.0	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.4	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	ND	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	18	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	ND	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	1.4	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	1.3	0.18		07/08/10	XC
2-Hexanone	ug/m3	ND	0.20		07/08/10	XC
Isopropanol	ug/m3	1.0	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	4.5	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		07/08/10	XC
Propene	ug/m3	ND	0.87		07/08/10	XC
Styrene	ug/m3	0.24	0.21		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-6-070110

Sample ID : 10B00072

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	ND	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	ND	0.15		07/08/10	XC
Toluene	ug/m3	1.7	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	ND	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.5	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.55	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	0.58	0.43		07/08/10	XC
o-Xylene	ug/m3	ND	0.22		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-7-070110

Sample ID : 10B00073

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	17	0.05		07/08/10	XC
Benzene	PPBv	0.08	0.05		07/08/10	XC
Benzyl Chloride	PPBv	ND	0.05		07/08/10	XC
Bromodichloromethane	PPBv	ND	0.05		07/08/10	XC
Bromoform	PPBv	ND	0.05		07/08/10	XC
Bromomethane	PPBv	ND	0.05		07/08/10	XC
1,3-Butadiene	PPBv	ND	0.05		07/08/10	XC
2-Butanone (MEK)	PPBv	1.5	0.05		07/08/10	XC
Carbon Disulfide	PPBv	ND	0.05		07/08/10	XC
Carbon Tetrachloride	PPBv	0.08	0.05		07/08/10	XC
Chlorobenzene	PPBv	ND	0.05		07/08/10	XC
Chlorodibromomethane	PPBv	ND	0.05		07/08/10	XC
Chloroethane	PPBv	ND	0.05		07/08/10	XC
Chloroform	PPBv	ND	0.05		07/08/10	XC
Chloromethane	PPBv	0.65	0.05		07/08/10	XC
Cyclohexane	PPBv	ND	0.05		07/08/10	XC
1,2-Dibromoethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		07/08/10	XC
Dichlorodifluoromethane	PPBv	0.54	0.05		07/08/10	XC
1,1-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichloropropane	PPBv	0.06	0.05		07/08/10	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		07/08/10	XC
Ethanol	PPBv	20	0.05		07/08/10	XC
Ethyl Acetate	PPBv	ND	0.05		07/08/10	XC
Ethylbenzene	PPBv	0.10	0.05		07/08/10	XC
4-Ethyl Toluene	PPBv	ND	0.05		07/08/10	XC
n-Heptane	PPBv	0.12	0.05		07/08/10	XC

RL = Reporting Limit

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‡ See attached chain-of-custody record for time sampled

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-7-070110

Sample ID : 10B00073
‡Sampled : 7/1/2010
Not Specified
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.05		07/08/10	XC
Hexane	PPBv	0.20	0.05		07/08/10	XC
2-Hexanone	PPBv	0.20	0.05		07/08/10	XC
Isopropanol	PPBv	2.4	0.05		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		07/08/10	XC
Methylene Chloride	PPBv	0.37	0.05		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.10	0.05		07/08/10	XC
Propene	PPBv	ND	0.50		07/08/10	XC
Styrene	PPBv	0.16	0.05		07/08/10	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		07/08/10	XC
Tetrachloroethylene	PPBv	ND	0.05		07/08/10	XC
Tetrahydrofuran	PPBv	ND	0.05		07/08/10	XC
Toluene	PPBv	2.2	0.05		07/08/10	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		07/08/10	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		07/08/10	XC
Trichloroethylene	PPBv	ND	0.05		07/08/10	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		07/08/10	XC
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		07/08/10	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		07/08/10	XC
Vinyl Acetate	PPBv	ND	0.05		07/08/10	XC
Vinyl Chloride	PPBv	ND	0.05		07/08/10	XC
m/p-Xylene	PPBv	0.27	0.10		07/08/10	XC
o-Xylene	PPBv	0.10	0.05		07/08/10	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	41	0.12		07/08/10	XC
Benzene	ug/m3	0.27	0.16		07/08/10	XC
Benzyl Chloride	ug/m3	ND	0.26		07/08/10	XC
Bromodichloromethane	ug/m3	ND	0.33		07/08/10	XC
Bromoform	ug/m3	ND	0.51		07/08/10	XC
Bromomethane	ug/m3	ND	0.19		07/08/10	XC
1,3-Butadiene	ug/m3	ND	0.11		07/08/10	XC
2-Butanone (MEK)	ug/m3	4.3	0.15		07/08/10	XC
Carbon Disulfide	ug/m3	ND	0.16		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-7-070110

Sample ID : 10B00073

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.50	0.31		07/08/10	XC
Chlorobenzene	ug/m3	ND	0.23		07/08/10	XC
Chlorodibromomethane	ug/m3	ND	0.43		07/08/10	XC
Chloroethane	ug/m3	ND	0.13		07/08/10	XC
Chloroform	ug/m3	ND	0.24		07/08/10	XC
Chloromethane	ug/m3	1.3	0.10		07/08/10	XC
Cyclohexane	ug/m3	ND	0.17		07/08/10	XC
1,2-Dibromoethane	ug/m3	ND	0.38		07/08/10	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		07/08/10	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		07/08/10	XC
1,1-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloroethane	ug/m3	ND	0.20		07/08/10	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		07/08/10	XC
1,2-Dichloropropane	ug/m3	0.30	0.23		07/08/10	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		07/08/10	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		07/08/10	XC
Ethanol	ug/m3	39	0.09		07/08/10	XC
Ethyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Ethylbenzene	ug/m3	0.45	0.22		07/08/10	XC
4-Ethyl Toluene	ug/m3	ND	0.25		07/08/10	XC
n-Heptane	ug/m3	0.50	0.20		07/08/10	XC
Hexachlorobutadiene	ug/m3	ND	0.53		07/08/10	XC
Hexane	ug/m3	0.70	0.18		07/08/10	XC
2-Hexanone	ug/m3	0.82	0.20		07/08/10	XC
Isopropanol	ug/m3	5.8	0.12		07/08/10	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		07/08/10	XC
Methylene Chloride	ug/m3	1.3	0.17		07/08/10	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.43	0.20		07/08/10	XC
Propene	ug/m3	ND	0.87		07/08/10	XC
Styrene	ug/m3	0.70	0.21		07/08/10	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

Field Sample # : IA-7-070110

Sample ID : 10B00073

‡Sampled : 7/1/2010
Not Specified

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.34		07/08/10	XC
Tetrachloroethylene	ug/m3	ND	0.34		07/08/10	XC
Tetrahydrofuran	ug/m3	ND	0.15		07/08/10	XC
Toluene	ug/m3	8.4	0.19		07/08/10	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		07/08/10	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		07/08/10	XC
Trichloroethylene	ug/m3	ND	0.27		07/08/10	XC
Trichlorofluoromethane	ug/m3	1.3	0.28		07/08/10	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.54	0.38		07/08/10	XC
1,2,4-Trimethylbenzene	ug/m3	0.36	0.25		07/08/10	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		07/08/10	XC
Vinyl Acetate	ug/m3	ND	0.18		07/08/10	XC
Vinyl Chloride	ug/m3	ND	0.13		07/08/10	XC
m/p-Xylene	ug/m3	1.2	0.43		07/08/10	XC
o-Xylene	ug/m3	0.43	0.22		07/08/10	XC

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‡ See attached chain-of-custody record for time sampled

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KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
107 AUDUBON ROAD, BLDG. 2, SUITE 301
WAKEFIELD, MA 01880

Purchase Order No.: 200914545

Project Location: PROVIDENCE, RI (GORHAM SITE)
Date Received: 7/2/2010

LIMS-BAT #: LIMT-25351
Job Number: 3650080114.13

** END OF REPORT **

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‡ See attached chain-of-custody record for time sampled

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 7/12/2010 Lims Bat # : LIMT-25351

QC Batch Number: BATCH-16678

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00067					
	Acetone	Sample Amount	17.57	ug/m3	
		Duplicate Value	17.35	ug/m3	
		Duplicate RPD	1.27	%	
	Benzene	Sample Amount	0.45	ug/m3	
		Duplicate Value	0.45	ug/m3	
		Duplicate RPD	0.00	%	
	Carbon Tetrachloride	Sample Amount	0.52	ug/m3	
		Duplicate Value	0.57	ug/m3	
		Duplicate RPD	10.28	%	
	Ethylbenzene	Sample Amount	0.27	ug/m3	
		Duplicate Value	0.27	ug/m3	
		Duplicate RPD	1.57	%	
	Hexane	Sample Amount	0.46	ug/m3	
		Duplicate Value	0.41	ug/m3	
		Duplicate RPD	11.29	%	
	Isopropanol	Sample Amount	0.73	ug/m3	
		Duplicate Value	0.76	ug/m3	
		Duplicate RPD	3.26	%	
	2-Butanone (MEK)	Sample Amount	3.32	ug/m3	
		Duplicate Value	3.17	ug/m3	
		Duplicate RPD	4.44	%	
	4-Methyl-2-Pentanone (MIBK)	Sample Amount	0.34	ug/m3	
		Duplicate Value	0.35	ug/m3	
		Duplicate RPD	2.32	%	
	Styrene	Sample Amount	0.31	ug/m3	
		Duplicate Value	0.32	ug/m3	
		Duplicate RPD	2.66	%	
	Tetrachloroethylene	Sample Amount	1.05	ug/m3	
		Duplicate Value	1.13	ug/m3	
		Duplicate RPD	6.81	%	
	Toluene	Sample Amount	0.99	ug/m3	
		Duplicate Value	1.02	ug/m3	
		Duplicate RPD	3.35	%	
	Trichloroethylene	Sample Amount	0.40	ug/m3	
		Duplicate Value	0.41	ug/m3	
		Duplicate RPD	2.63	%	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	0.52	ug/m3	
		Duplicate Value	0.52	ug/m3	
		Duplicate RPD	0.00	%	
	Trichlorofluoromethane	Sample Amount	1.44	ug/m3	
		Duplicate Value	1.37	ug/m3	
		Duplicate RPD	5.16	%	
	o-Xylene	Sample Amount	0.51	ug/m3	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: BATCH-16678

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00067					
	o-Xylene	Duplicate Value	0.53	ug/m3	
		Duplicate RPD	4.14	%	
	m/p-Xylene	Sample Amount	1.20	ug/m3	
		Duplicate Value	1.27	ug/m3	
		Duplicate RPD	5.61	%	
	Ethanol	Sample Amount	6.51	ug/m3	
		Duplicate Value	6.35	ug/m3	
		Duplicate RPD	2.45	%	
	Methylene Chloride	Sample Amount	1.20	ug/m3	
		Duplicate Value	1.21	ug/m3	
		Duplicate RPD	0.86	%	
	Chloromethane	Sample Amount	1.17	ug/m3	
		Duplicate Value	1.14	ug/m3	
		Duplicate RPD	2.31	%	
	1,2,4-Trimethylbenzene	Sample Amount	0.43	ug/m3	
		Duplicate Value	0.43	ug/m3	
		Duplicate RPD	0.00	%	
	cis-1,2-Dichloroethylene	Sample Amount	0.49	ug/m3	
		Duplicate Value	0.47	ug/m3	
		Duplicate RPD	4.91	%	
	Dichlorodifluoromethane	Sample Amount	2.65	ug/m3	
		Duplicate Value	2.53	ug/m3	
		Duplicate RPD	4.76	%	
	2-Hexanone	Sample Amount	0.74	ug/m3	
		Duplicate Value	0.81	ug/m3	
		Duplicate RPD	8.87	%	
	4-Bromofluorobenzene	Surrogate Recovery	101.87	%	70-130
	Tetrahydrofuran	Sample Amount	0.23	ug/m3	
		Duplicate Value	0.23	ug/m3	
		Duplicate RPD	0.00	%	
10B00068					
	4-Bromofluorobenzene	Surrogate Recovery	103.12	%	70-130
10B00069					
	4-Bromofluorobenzene	Surrogate Recovery	107.00	%	70-130
10B00070					
	4-Bromofluorobenzene	Surrogate Recovery	106.12	%	70-130
10B00071					
	4-Bromofluorobenzene	Surrogate Recovery	102.37	%	70-130
10B00072					
	4-Bromofluorobenzene	Surrogate Recovery	104.37	%	70-130
10B00073					
	4-Bromofluorobenzene	Surrogate Recovery	105.12	%	70-130
10B00074					

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QC SUMMARY REPORT

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QC Batch Number: BATCH-16678

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00074					
	4-Bromofluorobenzene	Surrogate Recovery	105.37	%	70-130
BLANK-133056					
	Acetone	Blank	1.05	ug/m3	
	Benzene	Blank	<0.08	ug/m3	
	Carbon Tetrachloride	Blank	<0.16	ug/m3	
	Chloroform	Blank	<0.12	ug/m3	
	1,2-Dichloroethane	Blank	<0.10	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.15	ug/m3	
	Ethyl Acetate	Blank	<0.09	ug/m3	
	Ethylbenzene	Blank	<0.11	ug/m3	
	Hexane	Blank	<0.09	ug/m3	
	Isopropanol	Blank	<0.06	ug/m3	
	2-Butanone (MEK)	Blank	0.09	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<0.10	ug/m3	
	Styrene	Blank	<0.11	ug/m3	
	Tetrachloroethylene	Blank	<0.17	ug/m3	
	Toluene	Blank	<0.10	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.14	ug/m3	
	Trichloroethylene	Blank	<0.14	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.19	ug/m3	
	Trichlorofluoromethane	Blank	<0.14	ug/m3	
	o-Xylene	Blank	<0.11	ug/m3	
	m/p-Xylene	Blank	<0.22	ug/m3	
	1,2-Dichlorobenzene	Blank	<0.15	ug/m3	
	1,3-Dichlorobenzene	Blank	<0.15	ug/m3	
	1,1-Dichloroethane	Blank	<0.10	ug/m3	
	1,1-Dichloroethylene	Blank	<0.10	ug/m3	
	Ethanol	Blank	<0.48	ug/m3	
	4-Ethyl Toluene	Blank	<0.13	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<0.09	ug/m3	
	t-1,2-Dichloroethylene	Blank	<0.10	ug/m3	
	Vinyl Chloride	Blank	<0.07	ug/m3	
	Methylene Chloride	Blank	0.40	ug/m3	
	Chlorobenzene	Blank	<0.12	ug/m3	
	Chloromethane	Blank	<0.05	ug/m3	
	Bromomethane	Blank	<0.10	ug/m3	
	Chloroethane	Blank	<0.07	ug/m3	
	cis-1,3-Dichloropropene	Blank	<0.11	ug/m3	
	trans-1,3-Dichloropropene	Blank	<0.11	ug/m3	
	Chlorodibromomethane	Blank	<0.22	ug/m3	
	1,1,2-Trichloroethane	Blank	<0.14	ug/m3	
	Bromoform	Blank	<0.26	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<0.17	ug/m3	

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QC SUMMARY REPORT

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QC Batch Number: BATCH-16678

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133056					
	Hexachlorobutadiene	Blank	<0.27	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.19	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.13	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.13	ug/m3	
	Cyclohexane	Blank	<0.09	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.10	ug/m3	
	1,2-Dichloropropane	Blank	<0.12	ug/m3	
	Dichlorodifluoromethane	Blank	<0.13	ug/m3	
	Benzyl Chloride	Blank	<0.13	ug/m3	
	Carbon Disulfide	Blank	<0.08	ug/m3	
	Vinyl Acetate	Blank	<0.09	ug/m3	
	2-Hexanone	Blank	<0.10	ug/m3	
	Bromodichloromethane	Blank	<0.17	ug/m3	
	1,2-Dibromoethane	Blank	<0.19	ug/m3	
	n-Heptane	Blank	<0.10	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.18	ug/m3	
	Tetrahydrofuran	Blank	<0.08	ug/m3	
	Propene	Blank	<0.44	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	
LFBLANK-95385					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	12.24	ug/m3	
		Lab Fort Blk. % Rec.	103.10	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	13.12	ug/m3	
		Lab Fort Blk. % Rec.	82.29	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	28.89	ug/m3	
		Lab Fort Blk. % Rec.	91.86	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	21.13	ug/m3	
		Lab Fort Blk. % Rec.	86.83	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.45	ug/m3	
		Lab Fort Blk. % Rec.	86.24	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.74	ug/m3	
		Lab Fort Blk. % Rec.	118.90	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	15.20	ug/m3	
		Lab Fort Blk. % Rec.	84.38	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	21.91	ug/m3	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95385					
	Ethylbenzene	Lab Fort Blk. % Rec.	101.12	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	14.38	ug/m3	
		Lab Fort Blk. % Rec.	81.62	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	9.68	ug/m3	
		Lab Fort Blk. % Rec.	78.78	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.15	ug/m3	
		Lab Fort Blk. % Rec.	82.42	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	16.17	ug/m3	
		Lab Fort Blk. % Rec.	78.97	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	21.75	ug/m3	
		Lab Fort Blk. % Rec.	102.30	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	39.64	ug/m3	
		Lab Fort Blk. % Rec.	116.94	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	18.86	ug/m3	
		Lab Fort Blk. % Rec.	100.28	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	23.89	ug/m3	
		Lab Fort Blk. % Rec.	87.58	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	23.38	ug/m3	
		Lab Fort Blk. % Rec.	87.02	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	34.79	ug/m3	
		Lab Fort Blk. % Rec.	90.79	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	25.27	ug/m3	
		Lab Fort Blk. % Rec.	89.96	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	22.12	ug/m3	
		Lab Fort Blk. % Rec.	101.86	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	42.43	ug/m3	
		Lab Fort Blk. % Rec.	97.70	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.31	ug/m3	
		Lab Fort Blk. % Rec.	117.46	%	70-130

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QC Batch Number: BATCH-16678

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95385					
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.67	ug/m3	
		Lab Fort Blk. % Rec.	118.68	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.12	ug/m3	
		Lab Fort Blk. % Rec.	84.58	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.44	ug/m3	
		Lab Fort Blk. % Rec.	87.92	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	8.40	ug/m3	
		Lab Fort Blk. % Rec.	89.15	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.03	ug/m3	
		Lab Fort Blk. % Rec.	105.90	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	15.26	ug/m3	
		Lab Fort Blk. % Rec.	84.69	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.90	ug/m3	
		Lab Fort Blk. % Rec.	85.26	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	10.71	ug/m3	
		Lab Fort Blk. % Rec.	83.82	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	15.41	ug/m3	
		Lab Fort Blk. % Rec.	88.80	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	25.20	ug/m3	
		Lab Fort Blk. % Rec.	109.44	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	8.59	ug/m3	
		Lab Fort Blk. % Rec.	83.20	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	17.19	ug/m3	
		Lab Fort Blk. % Rec.	88.57	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	11.27	ug/m3	
		Lab Fort Blk. % Rec.	85.46	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.65	ug/m3	
		Lab Fort Blk. % Rec.	86.60	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	

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BATCH QC: Lab fortified Blanks and Duplicates
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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95385					
	trans-1,3-Dichloropropene	Lab Fort Blk. Found	19.63	ug/m3	
		Lab Fort Blk. % Rec.	86.52	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	50.62	ug/m3	
		Lab Fort Blk. % Rec.	118.86	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	28.23	ug/m3	
		Lab Fort Blk. % Rec.	103.50	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	66.83	ug/m3	
		Lab Fort Blk. % Rec.	129.28	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	36.24	ug/m3	
		Lab Fort Blk. % Rec.	105.56	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	63.47	ug/m3	
		Lab Fort Blk. % Rec.	119.02	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	47.80	ug/m3	
		Lab Fort Blk. % Rec.	128.84	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.70	ug/m3	
		Lab Fort Blk. % Rec.	104.58	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.27	ug/m3	
		Lab Fort Blk. % Rec.	102.84	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	13.68	ug/m3	
		Lab Fort Blk. % Rec.	79.50	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.01	ug/m3	
		Lab Fort Blk. % Rec.	85.83	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	18.70	ug/m3	
		Lab Fort Blk. % Rec.	80.95	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	22.01	ug/m3	
		Lab Fort Blk. % Rec.	89.04	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	27.64	ug/m3	
		Lab Fort Blk. % Rec.	106.78	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	13.50	ug/m3	

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LFBLANK-95385					
	Carbon Disulfide	Lab Fort Blk. % Rec.	86.73	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	13.29	ug/m3	
		Lab Fort Blk. % Rec.	75.50	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	17.19	ug/m3	
		Lab Fort Blk. % Rec.	83.96	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	29.28	ug/m3	
		Lab Fort Blk. % Rec.	87.40	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	41.43	ug/m3	
		Lab Fort Blk. % Rec.	107.84	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	16.84	ug/m3	
		Lab Fort Blk. % Rec.	82.20	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	30.46	ug/m3	
		Lab Fort Blk. % Rec.	87.15	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.44	ug/m3	
		Lab Fort Blk. % Rec.	84.40	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	7.68	ug/m3	
		Lab Fort Blk. % Rec.	89.34	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	9.03	ug/m3	
		Lab Fort Blk. % Rec.	81.68	%	70-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00075					
	4-Bromofluorobenzene	Surrogate Recovery	107.87	%	70-130
10B00076					
	4-Bromofluorobenzene	Surrogate Recovery	109.87	%	70-130
10B00077					
	4-Bromofluorobenzene	Surrogate Recovery	106.50	%	70-130
10B00078					
	4-Bromofluorobenzene	Surrogate Recovery	103.87	%	70-130
BLANK-133057					
	Acetone	Blank	1.63	ug/m3	
	Benzene	Blank	<0.07	ug/m3	
	Carbon Tetrachloride	Blank	<0.13	ug/m3	
	Chloroform	Blank	<0.10	ug/m3	
	1,2-Dichloroethane	Blank	<0.08	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.12	ug/m3	
	Ethyl Acetate	Blank	<0.08	ug/m3	
	Ethylbenzene	Blank	<0.09	ug/m3	
	Hexane	Blank	<0.08	ug/m3	
	Isopropanol	Blank	<0.05	ug/m3	
	2-Butanone (MEK)	Blank	<0.06	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<0.08	ug/m3	
	Styrene	Blank	<0.09	ug/m3	
	Tetrachloroethylene	Blank	<0.14	ug/m3	
	Toluene	Blank	<0.08	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.11	ug/m3	
	Trichloroethylene	Blank	<0.11	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.16	ug/m3	
	Trichlorofluoromethane	Blank	<0.12	ug/m3	
	o-Xylene	Blank	<0.09	ug/m3	
	m/p-Xylene	Blank	<0.18	ug/m3	
	1,2-Dichlorobenzene	Blank	<0.12	ug/m3	
	1,3-Dichlorobenzene	Blank	<0.12	ug/m3	
	1,1-Dichloroethane	Blank	<0.08	ug/m3	
	1,1-Dichloroethylene	Blank	<0.08	ug/m3	
	Ethanol	Blank	<0.38	ug/m3	
	4-Ethyl Toluene	Blank	<0.10	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<0.08	ug/m3	
	t-1,2-Dichloroethylene	Blank	<0.08	ug/m3	
	Vinyl Chloride	Blank	<0.06	ug/m3	
	Methylene Chloride	Blank	0.34	ug/m3	
	Chlorobenzene	Blank	<0.10	ug/m3	
	Chloromethane	Blank	<0.04	ug/m3	
	Bromomethane	Blank	<0.08	ug/m3	
	Chloroethane	Blank	<0.06	ug/m3	

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BLANK-133057					
	cis-1,3-Dichloropropene	Blank	<0.09	ug/m3	
	trans-1,3-Dichloropropene	Blank	<0.09	ug/m3	
	Chlorodibromomethane	Blank	<0.18	ug/m3	
	1,1,2-Trichloroethane	Blank	<0.11	ug/m3	
	Bromoform	Blank	<0.21	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<0.14	ug/m3	
	Hexachlorobutadiene	Blank	<0.22	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.15	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.10	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.10	ug/m3	
	Cyclohexane	Blank	<0.07	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.08	ug/m3	
	1,2-Dichloropropane	Blank	<0.10	ug/m3	
	Dichlorodifluoromethane	Blank	<0.10	ug/m3	
	Benzyl Chloride	Blank	<0.11	ug/m3	
	Carbon Disulfide	Blank	<0.07	ug/m3	
	Vinyl Acetate	Blank	<0.08	ug/m3	
	2-Hexanone	Blank	<0.08	ug/m3	
	Bromodichloromethane	Blank	<0.14	ug/m3	
	1,2-Dibromoethane	Blank	<0.16	ug/m3	
	n-Heptane	Blank	<0.08	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.14	ug/m3	
	Tetrahydrofuran	Blank	<0.06	ug/m3	
	Propene	Blank	<0.35	ug/m3	
	1,3-Butadiene	Blank	<0.05	ug/m3	
LFBLANK-95386					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	13.03	ug/m3	
		Lab Fort Blk. % Rec.	109.72	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	13.10	ug/m3	
		Lab Fort Blk. % Rec.	82.14	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	31.70	ug/m3	
		Lab Fort Blk. % Rec.	100.82	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	21.70	ug/m3	
		Lab Fort Blk. % Rec.	89.18	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	19.06	ug/m3	
		Lab Fort Blk. % Rec.	94.18	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	33.77	ug/m3	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95386					
	1,4-Dichlorobenzene	Lab Fort Blk. % Rec.	112.36	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	15.34	ug/m3	
		Lab Fort Blk. % Rec.	85.18	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	20.20	ug/m3	
		Lab Fort Blk. % Rec.	93.20	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	15.20	ug/m3	
		Lab Fort Blk. % Rec.	86.30	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	9.92	ug/m3	
		Lab Fort Blk. % Rec.	80.78	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.41	ug/m3	
		Lab Fort Blk. % Rec.	84.17	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	16.81	ug/m3	
		Lab Fort Blk. % Rec.	82.07	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	19.89	ug/m3	
		Lab Fort Blk. % Rec.	93.53	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	34.99	ug/m3	
		Lab Fort Blk. % Rec.	103.20	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	16.77	ug/m3	
		Lab Fort Blk. % Rec.	89.14	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	26.15	ug/m3	
		Lab Fort Blk. % Rec.	95.86	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	23.89	ug/m3	
		Lab Fort Blk. % Rec.	88.94	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	33.87	ug/m3	
		Lab Fort Blk. % Rec.	88.40	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	26.98	ug/m3	
		Lab Fort Blk. % Rec.	96.03	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	21.10	ug/m3	
		Lab Fort Blk. % Rec.	97.16	%	70-130

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LFBLANK-95386					
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	42.04	ug/m3	
		Lab Fort Blk. % Rec.	96.80	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	33.30	ug/m3	
		Lab Fort Blk. % Rec.	110.78	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	33.81	ug/m3	
		Lab Fort Blk. % Rec.	112.48	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.08	ug/m3	
		Lab Fort Blk. % Rec.	84.40	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.70	ug/m3	
		Lab Fort Blk. % Rec.	89.28	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	8.32	ug/m3	
		Lab Fort Blk. % Rec.	88.32	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.39	ug/m3	
		Lab Fort Blk. % Rec.	99.26	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	15.03	ug/m3	
		Lab Fort Blk. % Rec.	83.39	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.05	ug/m3	
		Lab Fort Blk. % Rec.	86.02	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	10.94	ug/m3	
		Lab Fort Blk. % Rec.	85.63	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	15.12	ug/m3	
		Lab Fort Blk. % Rec.	87.10	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.46	ug/m3	
		Lab Fort Blk. % Rec.	97.57	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	8.84	ug/m3	
		Lab Fort Blk. % Rec.	85.62	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	17.08	ug/m3	
		Lab Fort Blk. % Rec.	88.05	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	

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LFBLANK-95386					
	Chloroethane	Lab Fort Blk. Found	11.06	ug/m3	
		Lab Fort Blk. % Rec.	83.85	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	20.20	ug/m3	
		Lab Fort Blk. % Rec.	89.00	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	20.85	ug/m3	
		Lab Fort Blk. % Rec.	91.87	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	47.20	ug/m3	
		Lab Fort Blk. % Rec.	110.82	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	25.59	ug/m3	
		Lab Fort Blk. % Rec.	93.84	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	61.77	ug/m3	
		Lab Fort Blk. % Rec.	119.50	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	34.70	ug/m3	
		Lab Fort Blk. % Rec.	101.08	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	68.65	ug/m3	
		Lab Fort Blk. % Rec.	128.72	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	47.14	ug/m3	
		Lab Fort Blk. % Rec.	127.06	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.39	ug/m3	
		Lab Fort Blk. % Rec.	99.24	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.11	ug/m3	
		Lab Fort Blk. % Rec.	98.12	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	13.55	ug/m3	
		Lab Fort Blk. % Rec.	78.73	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.05	ug/m3	
		Lab Fort Blk. % Rec.	86.01	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	19.27	ug/m3	
		Lab Fort Blk. % Rec.	83.39	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	23.57	ug/m3	

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LFBLANK-95386					
	Dichlorodifluoromethane	Lab Fort Blk. % Rec.	95.35	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	26.67	ug/m3	
		Lab Fort Blk. % Rec.	103.06	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	12.87	ug/m3	
		Lab Fort Blk. % Rec.	82.70	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	13.51	ug/m3	
		Lab Fort Blk. % Rec.	76.74	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	16.48	ug/m3	
		Lab Fort Blk. % Rec.	80.46	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	31.77	ug/m3	
		Lab Fort Blk. % Rec.	94.84	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	37.86	ug/m3	
		Lab Fort Blk. % Rec.	98.54	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	17.37	ug/m3	
		Lab Fort Blk. % Rec.	84.79	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	31.52	ug/m3	
		Lab Fort Blk. % Rec.	90.17	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.27	ug/m3	
		Lab Fort Blk. % Rec.	83.22	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	7.92	ug/m3	
		Lab Fort Blk. % Rec.	92.08	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	9.29	ug/m3	
		Lab Fort Blk. % Rec.	84.04	%	70-130

con-test® ANALYTICAL LABORATORY

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST
EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

LIMT: 25351

Company Name: MACTEC Engineering
Address: 107 Audubon Rd, Suite 301
Wakefield, MA 01880
Attention: Kelly Chatterton
Project Location: Providence, RI (Gorham Site)
Sampled By: PJM

Telephone: (781) 245-6606
Project # 3650080114.13
Client PO # 200914545

DATA DELIVERY (check one):
☐FAX ☒EMAIL ☐WEBSITE CLIENT
Fax # :
Email: Kjchatterton@mactec.com
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☒ OTHER EQUIS EDD

Proposal Provided? (For Billing purposes)
☒ yes 3.3.09 proposal date

Field ID	Sample Description	Media	Lab # 108	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M^3/Min. or L/Min.	Volume Liters or M^3	Matrix Code*	ANALYSIS REQUESTED TO-15 s/l lowlevel scan				" Hg Initial pressure	" Hg Final Pressure	" Hg Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
	IA-1-070110	S	00067	7.1.10 0800	7.1.10 0830	30	0.2	6	IA	X				-30	-5.5	-5	1055	4067
	IA-2-070110	S	00068	7.1.10 0801	7.1.10 0831	30	0.2	6	IA	X				-30	-6	-6	1487	4089
	IA-3-070110	S	00069	7.1.10 0803	7.1.10 0833	30	0.2	6	IA	X				-30	-6	-6	1853	4097
	IA-4-070110	S	00070	7.1.10 0805	7.1.10 0835	30	0.2	6	IA	X				-26.5	-3	-2	1276	4085
	IA-5-070110	S	00071	7.1.10 0923	7.1.10 0953	30	0.2	6	IA	X				-30	-4.5	-5	1872	4077
	IA-6-070110	S	00072	7.1.10 0856	7.1.10 0926	30	0.2	6	IA	X				-28	-4.5	-5	1217	4103
	IA-7-070110	S	00073	7.1.10 1100	7.1.10 1130	30	0.2	6	IA	X				-30	-5.5	-6	1497	4106
	AA-1-070110	S	00074	7.1.10 0808	7.1.10 0838	30	0.2	6	AMB	X				-24.5	-4	-6	1004	4087

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 7.2.10 1125
Relinquished by: (signature)	Date/Time: 7.2.10 1830
Received by: (signature)	Date/Time: 7/2/10 1830

Turnaround **
☒ 7-Day
☐ 10-Day
☐ Other
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: CT Target Indoor Air (Commercial)
Data Enhancement/RCP? ☐ Y ☒ N
Enhanced Data Package ☐ Y ☒ N
(Surchage Applies)
Required Detection Limits: CT Target Indoor Air Conc. (Commercial)
Other:

*Matrix Code:
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other

**Media Codes:
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST
EAST LONGMEADOW, MA 01028

AIR SAMPLE CHAIN OF CUSTODY RECORD

LIMT: 25351

Company Name: MACTEC Engineering
Address: 107 Audubon Rd., Suite 301
Wakefield, MA 01880
Attention: Kelly Chatterton
Project Location: Providence, RI (Gorham Site)
Sampled By: RSM

Telephone: (781) 245-6606
Project # 3650080114.13
Client PO # 2009145545

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: Kjchatterton@mactec.com
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☒ OTHER Equis EDEDD

Proposal Provided? (For Billing purposes)
☒ yes 3.3.09 proposal date

Field ID	Sample Description	Media	Lab # 108	Date Sampled Start Date Time	Date Sampled Stop Date Time	ONLY USE WHEN USING PUMPS Total Minutes Sampled	Flow Rate M³/Min or L/Min	Volume Liters or M³	Matrix Code*	ANALYSIS REQUESTED TO15 w/ low-level Scan			PID (ppm)	" Hg Initial pressure	" Hg Final pressure	" Hg Lab Receipt Pressure	Summa Canister ID	Flow Controller ID
	EW-5-070110	S	00075	7-1-10 0913	7-1-10 0943	30	0.2	6	SG	X			23.4	-28	-6	-5	1879	4074
	EW-6-070110	S	00076	7-1-10 0929	7-1-10 0959	30	0.2	6	SG	X			10.3	-29	-4	-4	1317	4107
	EW-7-070110	S	00077	7-1-10 1132	7-1-10 1202	30	0.2	6	SG	X			1.2	-30+	-6	-5	1494	4016
	EW-Combined-070110	S	00078	7-1-10 0902	7-1-10 0932	30	0.2	6	SG	X			1.6	-30	-6	-7	1320	4060

Please fill out completely, sign, date and retain the yellow copy for your record.

Summa canisters and flow controllers must be returned within 14 days of receipt or rental fees will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Laboratory Comments:

CLIENT COMMENTS: EW-5-070110, EW-6-070110, EW-7-070110, and EW-Combined-070110 were sampled from surface area soil gas.

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 7-2-10 11:25
Relinquished by: (signature)	Date/Time: 7-2-10 1830
Received by: (signature)	Date/Time: 7/2/10 1830

Turnaround **
☒ 7-Day
☐ 10-Day
☐ Other ___
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
*Approval Required

Special Requirements
Regulations: CT Target Indoor Air (Comm.)
Data Enhancement/RCP? ☐ Y ☒ N
Enhanced Data Package ☐ Y ☒ N
(Surchage Applies)
Required Detection Limits: CT Target Indoor
Other: Air Conc. (Commercial)

***Matrix Code:**
SG= SOIL GAS
IA= INDOOR AIR
AMB=AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = other ___

****Media Codes:**
S=summa can
TB=tedlar bag
P=PUF
T=tube
F= filter
C=cassette
O = Other ___

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

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East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: Mactec Eng.

RECEIVED BY: KS DATE: 7/2/10

1. Was chain of custody relinquished and signed? (YES) NO
2. Does Chain agree with samples? (YES) NO

If not, explain:

3. All Samples in good condition? (YES) NO

If not, explain:

4. Are there any on hold samples? YES (NO) STORED WHERE:

5. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED?_____ DATE_____ TIME_____

Location where samples are stored: Airlab

Permission to sub-contract samples? Yes No (circle)
(Walk in clients only) if not already approved.
Client Signature_____

CONTAINERS SENT TO CON-TEST	# of containers
Summa cans	12
Tedlar Bags	
Regulators	12
Restrictors	
Tubes	
Other	

1. Was all media (used & unused) checked into the WASP asset management program?
2. Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet?
3. Were the Lab ID's documented in the Air Lab Outbound excel sheet?
4. Was the job documented in the Air Lab Log-In Access Database?

Laboratory comments:

APPENDIX B

Analytical Laboratory Detection Limits

con-test® ANALYTICAL LABORATORY
39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028
413.525.2332
413.525.6405 (fax)

Analyte:

TO-14 / TO-15	PPBv	UG/M3	PPBv	UG/M3	MW NIST	UG/M3	PPBv
1,1,1-Trichloroethane	ND	ND	0.050	**0.27**	133.40	1	0.18
1,1,2,2-Tetrachloroethane	ND	ND	0.050	0.34	167.85	1	0.15
1,1,2-Trichloroethane	ND	ND	0.050	0.27	133.40	1	0.18
1,1,2-Trichlorotrifluoroethane (freon 113)	ND	ND	0.050	0.38	187.37	1	0.13
1,1-Dichloroethane	ND	ND	0.050	0.20	98.96	1	0.25
1,1-Dichloroethene	ND	ND	0.050	0.20	96.94	1	0.25
1,2,4-Trichlorobenzene	ND	ND	0.050	0.37	181.45	1	0.13
1,2,4-Trimethylbenzene	ND	ND	0.050	0.25	120.19	1	0.20
1,2-Dibromoethane	ND	ND	0.050	0.38	187.86	1	0.13
1,2-Dichlorobenzene	ND	ND	0.050	0.30	147.00	1	0.17
1,2-Dichloroethane	ND	ND	0.050	0.20	98.96	1	0.25
1,2-Dichloropropane	ND	ND	0.050	0.23	112.99	1	0.22
1,2-Dichlorotetrafluoroethane (freon 114)	ND	ND	0.050	0.35	170.92	1	0.14
1,3 - Butadiene	ND	ND	0.050	0.11	54.09	1	0.45
1,3,5-Trimethylbenzene	ND	ND	0.050	0.25	120.19	1	0.20
1,3-Dichlorobenzene	ND	ND	0.050	0.30	147.00	1	0.17
1,4-Dichlorobenzene	ND	ND	0.050	0.30	147.00	1	0.17
1,4-Dioxane	ND	ND	0.050	0.18	88.11	1	0.28
2-Butanone (MEK)	ND	ND	0.050	0.15	72.11	1	0.34
2-Hexanone (MBK)	ND	ND	0.050	0.20	100.16	1	0.24
4-Ethyltoluene	ND	ND	0.050	0.25	120.19	1	0.20
4-Methyl-2-pentanone(MIBK)	ND	ND	0.050	0.20	100.16	1	0.24
Acetone	ND	ND	0.050	0.12	58.08	1	0.42
Acrolein	ND	ND	0.050	0.11	56.06	1	0.44
Benzene	ND	ND	0.050	0.16	78.11	1	0.31
Benzyl Chloride	ND	ND	0.050	0.26	126.58	1	0.19
Bromodichloromethane	ND	ND	0.050	0.34	163.83	1	0.15
Bromoform	ND	ND	0.050	0.52	252.73	1	0.10
Bromomethane	ND	ND	0.050	0.19	94.94	1	0.26
Carbon Disulfide	ND	ND	0.050	0.16	76.14	1	0.32
Carbon Tetrachloride	ND	ND	0.050	**0.31**	153.82	1	0.16

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Chlorobenzene	ND	ND	0.050	0.23	112.56	1	0.22
Chloroethane	ND	ND	0.050	0.13	64.51	1	0.38
Chloroform	ND	ND	0.050	0.24	119.38	1	0.20
Chloromethane	ND	ND	0.050	0.10	50.49	1	0.48
cis-1,2-Dichloroethene	ND	ND	0.050	0.20	96.94	1	0.25
cis-1,3-Dichloropropene	ND	ND	0.050	0.23	110.97	1	0.22
Cyclohexane	ND	ND	0.050	0.17	84.16	1	0.29
Dibromochloromethane	ND	ND	0.050	0.43	208.28	1	0.12
Dichlorodifluoromethane (freon 12)	ND	ND	0.050	0.25	120.91	1	0.20
Ethanol	ND	ND	0.050	0.09	46.07	1	0.53
Ethyl Acetate	ND	ND	0.050	0.18	88.11	1	0.28
Ethylbenzene	ND	ND	0.050	0.22	106.17	1	0.23
Heptane	ND	ND	0.050	0.20	100.20	1	0.24
Hexachlorobutadiene	ND	ND	0.050	0.53	260.76	1	0.09
Hexane	ND	ND	0.050	0.18	86.18	1	0.28
Isopropyl Alcohol	ND	ND	0.050	0.12	60.10	1	0.41
M/P Xylenes	ND	ND	0.050	0.22	106.17	1	0.23
Methylene Chloride	ND	ND	0.050	0.17	84.93	1	0.29
Metylmethacrylate	ND	ND	0.050	0.20	100.12	1	0.24
MTBE	ND	ND	0.050	0.18	88.15	1	0.28
O-Xylene	ND	ND	0.050	0.22	106.17	1	0.23
Propene	ND	ND	0.050	0.09	42.08	1	0.58
Styrene	ND	ND	0.050	0.21	104.15	1	0.23
Tetrachloroethene	ND	ND	0.050	**0.34**	165.83	1	0.15
Tetrahydrofuran	ND	ND	0.050	0.15	72.11	1	0.34
Toluene	ND	ND	0.050	0.19	92.14	1	0.27
trans-1,2-Dichloroethene	ND	ND	0.050	0.20	96.94	1	0.25
trans-1,3-Dichloropropene	ND	ND	0.050	0.23	110.97	1	0.22
Trichloroethene	ND	ND	0.050	**0.27**	131.39	1	0.19
Trichlorofluoromethane (freon 11)	ND	ND	0.050	0.28	137.37	1	0.18
Vinyl Acetate	ND	ND	0.050	0.18	86.09	1	0.28
Vinyl Chloride	ND	ND	0.050	**0.13**	62.50	1	0.39

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APH COMPOUNDS

1,2,3-Trimethylbenzene	ND	ND	0.94	4.62	120.19	1	0.20
1,3 Butadiene	ND	ND	0.94	2.08	54.09	1	0.45
1,3,5-Trimethylbenzene	ND	ND	0.94	4.62	120.19	1	0.20
1-Ethyl-3-Methylbenzene	ND	ND	0.94	4.62	120.19	1	0.20
1-Methylnaphthalene	ND	ND	0.94	5.47	142.20	1	0.17
2,3-Dimethylheptane	ND	ND	0.94	4.93	128.26	1	0.19
2,3-Dimethylpentane	ND	ND	0.94	3.85	100.20	1	0.24
2-Methylnaphthalene	ND	ND	0.94	5.47	142.20	1	0.17
Benzene	ND	ND	0.94	3.00	78.11	1	0.31
Butyl Cyclohexane	ND	ND	0.94	5.39	140.27	1	0.17
Cyclohexane	ND	ND	0.94	3.24	84.16	1	0.29
Decane	ND	ND	0.94	5.47	142.28	1	0.17
Dodecane	ND	ND	0.94	6.55	170.33	1	0.14
Ethylbenzene	ND	ND	0.94	4.08	106.17	1	0.23
Heptane	ND	ND	0.94	3.85	100.20	1	0.24
Hexane	ND	ND	0.94	3.31	86.18	1	0.28
Hexyl Cyclohexane	ND	ND	0.94	6.47	168.32	1	0.15
Indene	ND	ND	0.94	4.47	116.16	1	0.21
Isopentane	ND	ND	0.94	2.77	72.15	1	0.34
Isopropylbenzene(Cumene)	ND	ND	0.94	4.62	120.19	1	0.20
m/p -Xylenes	ND	ND	0.94	4.08	106.17	1	0.23
Methyl-tert-butylether	ND	ND	0.94	3.39	88.15	1	0.28
Naphthalene	ND	ND	0.94	4.93	128.17	1	0.19
Nonane	ND	ND	0.94	4.93	128.26	1	0.19
Octane	ND	ND	0.94	4.39	114.23	1	0.21
o-Xylene	ND	ND	0.94	4.08	106.17	1	0.23
P-Iso-Propyl Toluene	ND	ND	0.94	5.16	134.22	1	0.18
Toluene	ND	ND	0.94	3.54	92.14	1	0.27
Toluene-D8	ND	ND	0.94	3.85	100.19	1	0.24
Undecane	ND	ND	0.94	6.01	156.31	1	0.16

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EXTRA COMPOUNDS

1,1,1,2-tetrachloroethane	ND	ND	0.091	0.6247	167.85	1	0.15
1,2-Dibromo-3-chloropropane	ND	ND	0.065	0.6283	236.33	1	0.10
1,3-Dichloropropane	ND	ND	0.135	0.6238	112.99	1	0.22
1-Methylnaphthalene	ND	ND	0.107	0.6223	142.20	1	0.17
2,2,4-Trimethylpentane	ND	ND	0.134	0.6260	114.23	1	0.21
2-Methylnaphthalene	ND	ND	0.107	0.6223	142.20	1	0.17
Acrylonitrile	ND	ND	0.288	0.6250	53.06	1	0.46
Butylbenzene	ND	ND	0.114	0.6258	134.22	1	0.18
Cumene	ND	ND	0.127	0.6243	120.19	1	0.20
Hexylcyclohexane	ND	ND	0.091	0.6265	168.32	1	0.15
Indane	ND	ND	0.129	0.6235	118.18	1	0.21
Indene	ND	ND	0.132	0.6271	116.16	1	0.21
Metyl Acetate	ND	ND	0.206	0.6241	74.08	1	0.33
Metylcyclohexane	ND	ND	0.156	0.6265	98.19	1	0.25
Naphthalene	ND	ND	0.119	0.6238	128.17	1	0.19
P-cymene	ND	ND	0.114	0.6258	134.22	1	0.18
Propylbenzene	ND	ND	0.127	0.6243	120.19	1	0.20
Sec-butylbenzene	ND	ND	0.114	0.6258	134.22	1	0.18
Tert-butylbenzene	ND	ND	0.114	0.6258	134.22	1	0.18
Thiophene	ND	ND	0.182	0.6263	84.14	1	0.29

OTHER COMPOUNDS

2-Chloro-pyridine	ND	ND	0.20	0.93	113.54	1	0.22
2,6-Dichloro-pyridine	ND	ND	0.20	1.19	144.97	1	0.17
tert-Butyl Alcohol	ND	ND	0.20	0.61	74.10	1	0.33