



engineering and constructing a better tomorrow

July 14, 2010

Mr. Joseph T. Martella II, Senior Engineer
Rhode Island Department of Environmental Management
Office of Waste Management
Site Remediation Program
235 Providence 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 March 1, 2010 to May 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

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

Small Retail Spaces

The third quarterly monitoring event for the three small retail spaces, consistent with the requirements of the Orders of Approval, was completed on March 26, 2010.

Table 1 summarizes the small retail spaces' analytical results 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-25347) associated with the March 26, 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 sample from EW-6 collected on March 26, 2010 was not analyzed by the laboratory due to a canister malfunction. 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).
- 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

Three monthly monitoring events of the large retail space, consistent with the requirements of the Orders of Approval, were completed on March 26, April 30, and May 28, 2010.

Table 3 summarizes the large retail space's analytical results for the baseline sampling event conducted prior to system start-up and all subsequent sampling events conducted after system start-up. The laboratory reports associated with the three most recent sampling events are 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 sample from EW-Combined collected on March 26, 2010 was not analyzed by the laboratory due to a canister malfunction. 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.

- Overall, indoor air sample results are in compliance with action levels for the monthly sampling events in the large retail space (sample locations IA-1 through IA-4). As reported to RIDEM via telecommunication, there were concentrations of TCE slightly above the action level in samples from locations IA-1, IA-3 and IA-4 in the April 30, 2010 sampling event. However, all concentrations were below the action level in the three preceding monthly sampling events and in the subsequent sampling event. Although the concentration of carbon tetrachloride in the sample collected from location IA-1 on May 28, 2010 was slightly above the action level, the concentration was consistent with the outdoor background sample.
- The large retail space monitoring program has entered the quarterly sampling schedule (beginning July 1, 2010).
- 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

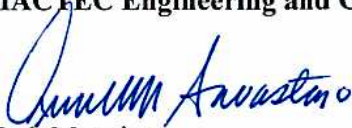
The ASD system performance is monitored biweekly by Clean Harbors Environmental Services. There were no mitigation system shutdowns during the reporting period.

Next Reporting Period

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


for Mark Maggioro
Staff Environmental Scientist *with permission*


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

cc: T. Deller, City of Providence
G. Simpson, Textron, Inc. (Electronic)
Knight Memorial Library Repository
G. Wilson, Kimco Realty Corporation (including tenants)
J. Morgan, The Stop & Shop Supermarket Co., LLC
MACTEC Project File

TABLES

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

Parameter (ug/m ³)	Outdoor Air Reference Locations									
	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.
Summary of Analytical Results - Air Sampling for Small Retail Spaces
Former Gorham Manufacturing Site
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Parameter (ug/m ³)	Outdoor Air Reference Locations									
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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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	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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-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
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
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
Acetone	10	10	9.6	5.4	17	11	3.5	7.6	5	3.7	9.5	12	20
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
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
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
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
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
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
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
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
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
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
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
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
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

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Former Gorham Manufacturing Site
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Parameter (ug/m ³)	Outdoor Air Reference Locations												
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Parameter (ug/m ³)	Extraction Well - Eastern Small Retail Space										
	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
1,1,1-Trichloroethane	190000	41000	17000	7100	1800	2600	3100	1900	3500	920	540
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
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
1,1-Dichloroethane	11000	1900	890	770	190	360	450	430	230	100	50
1,1-Dichloroethene	2500	290	130	190	61	160	160	160	98	30	18
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
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
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
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
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
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
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
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
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
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	1.5 U	60 U	3 U	3 U	3 U	3 U	6 U
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
2-Butanone	6.3	89	75	170	3700	64000	100000	230000	110000	7800	18000
2-Hexanone	4 U	4 U	4 U	4 U	1 U	40 U	2.7	2 U	2 U	2 U	4 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
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
Acetone	530	32	52	29	460	5600	14000	6900	9200	1700	3200
Benzene	13	12	6.2	4.8	5.6	32 U	11	7.1	11	6.3	5.5
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
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
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
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
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
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
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
Chloroethane	260	23	16	11	4.5	26 U	11	15	7	6.5	3.5
Chloroform	83	32	20	16	2.8	48 U	7.2	6.5	5.8	2.6	4.8 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
cis-1,2-Dichloroethene	2900	710	400	410	100	150	270	250	170	58	32
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

Table 1.
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Former Gorham Manufacturing Site
Providence, Rhode Island

Parameter (ug/m ³)	Extraction Well - Eastern Small Retail Space										
	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
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
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
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	2.7	50 U	3	3.2	2.5 U	2.5 U	5 U
Ethanol	320	36	46	33	22	130	30	26	3.8 U	45	28
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
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
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
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
Isopropyl alcohol	190	5.1	4.6	5 U	4.6	290	24	57	35	2.5 U	20
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
Methylene chloride	7.8	7 U	9.6	7 U	12	720	21	15	7 U	25	14 U
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
n-Heptane	4 U	4 U	4 U	4 U	1 U	40 U	2 U	2 U	2 U	2 U	4 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
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
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
Tetrachloroethene	210	310	190	97	8	68 U	21	25	19	8.9	6.8 U
Tetrahydrofuran	16	110	69	140	2200	42000	61000	150000	94000	9700	23000
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
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
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
Trichloroethene	51000	20000	14000	8900	2400	3800	4400	2700	6800	1600	1100
Trichlorofluoromethane	3500	200	120	67	16	56 U	27	41	2.8 U	53	7
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
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
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

Table 1.
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Parameter (ug/m ³)	Extraction Well - Center Small Retail Space									
	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
1,1,1-Trichloroethane	69000	32000	21000	16000	16000	5600	8200	5700	5400	1100
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
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
1,1-Dichloroethane	5200	2500	2100	2200	1600	780	1200	1100	930	580
1,1-Dichloroethene	850	210	100	110	55	74	87	83	80	6.4
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
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
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
1,2-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 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
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
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
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
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
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 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
2-Butanone	120	280	300	130	97	160	37	65	8.7	23
2-Hexanone	4 U	4 U	4 U	4 U	4 U	40 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
4-Methyl-2-pentanone	4 U	4 U	4 U	4 U	4 U	40 U	2 U	2 U	2 U	2 U
Acetone	580	64	81	33	22	410	16	20	4.8 U	27
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
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
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
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
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
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
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
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
Chloroethane	140	50	34	18	13	26 U	13	14	11	4.0
Chloroform	42	24	19	29	21	50	14	12	12	7.2
Chloromethane	2 U	2 U	2 U	2 U	2 U	34	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	700	360	220	250	150	120	190	170	130	36
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

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Parameter (ug/m ³)	Extraction Well - Center Small Retail Space									
	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
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
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
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	5 U	50 U	3.6	3.9	2.7	2.5 U
Ethanol	360	38	73	38	25	110	18	14	6.7	18
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
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
Hexachlorobutadiene	22 U	22 U	22 U	22 U	22 U	220 U	11 U	11 U	5.3 U	11 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
Isopropyl alcohol	210	18	33	15	10	230	8.2	11	20	2.5 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
Methylene chloride	7 U	7 U	7.5	7 U	7 U	780	12	15	7 U	27
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
n-Heptane	4 U	4 U	4 U	4 U	4 U	40 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
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
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
Tetrachloroethene	330	290	130	290	190	300	190	210	250	68
Tetrahydrofuran	75	480	260	730	570	130	110	87	9.1	31
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
trans-1,2-Dichloroethene	12	6.3	4.2	6.4	4 U	40 U	2.6	2.7	2	2.1
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
Trichloroethene	12000	6900	4200	4400	4800	3900	5400	4700	6100	2000
Trichlorofluoromethane	2300	870	630	350	250	150	230	440	700	320
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
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
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

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

Parameter (ug/m ³)	Extraction Well - Western Small Retail Space										
	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
1,1,1-Trichloroethane	5600	8500	7800	8200	8100	1600	3600	2600	1400	340	51
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
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
1,1-Dichloroethane	1700	1800	1600	2100	1700	590	1000	1100	970	470	85
1,1-Dichloroethene	14	15	8.5	9.4	6.6	4 U	4.2	4.2	4.5	2 U	0.4 U
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
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
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
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
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
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
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
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
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
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
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
2-Butanone	8.7	12	7.3	8.5	5.5	4.5	7.1	16	4.9	3.5	31
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
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
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
Acetone	580	38	58	30	24	15	24	24	7.9	49	26
Benzene	3.2 U	3.9	4.5	1.9	2.3	3.2 U	2.6	2.8	3	2.2	1.5
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
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
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
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
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
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
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
Chloroethane	170	150	88	41	33	7.1	9.6	10	8.1	6.5	1.6
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
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
cis-1,2-Dichloroethene	1100	1300	1200	1700	1200	520	1100	1200	1300	680	120
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

Table 1.
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Parameter (ug/m ³)	Extraction Well - Western Small Retail Space										
	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
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
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
Dichlorodifluoromethane	5 U	2.5	3.2	770	2.6	5 U	2.9	3.3	2.5 U	2.5 U	1.5
Ethanol	350	26	29	17	15	3.8 U	19	18	12	18	37
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
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
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
Hexane	10	10	7.6	5.5	3.1	3.6 U	4	2.1	1.8 U	1.8 U	0.36 U
Isopropyl alcohol	210	18	21	12	8.5	5 U	12	17	2.5 U	2.5 U	80
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
Methylene chloride	9.3	2.6	8	1.8	1.8 U	20	29	16	7 U	27	1.4 U
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
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
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
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
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
Tetrachloroethene	66	69	56	84	69	40	140	230	410	130	74
Tetrahydrofuran	41	23	12	14	7.5	3 U	5.6	15	4.1	1.5 U	2800
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
trans-1,2-Dichloroethene	150	140	90	90	80	48	120	140	150	84	22
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
Trichloroethene	230	210	180	180	200	110	330	420	920	420	190
Trichlorofluoromethane	1800	1400	900	690	640	190	310	660	1400	620	210
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
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
Vinyl chloride	280	370	180	48	21	2.6 U	2.7	3.2	1.3 U	1.6	1

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Parameter (ug/m ³)	CT IACTIND 2003 (ug/m ³)	Indoor Air - Eastern Small Retail Space											
		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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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-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
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
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
Acetone	500	32	11	21	20	9.5	6.5	14	14	46	16	15	11
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
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
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
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
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
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
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
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
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
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	0.24 U	0.55	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
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
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

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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
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
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
Ethanol	NA	590	12	23	140	85	32	41	180	500	62	51	25
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
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
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
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
Isopropyl alcohol	NA	3.8	3.5	580	2.9	3	1.3	1.7	2	19	3.5	3.8	3.8
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
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
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
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
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
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
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
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
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
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
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
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
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
Trichlorofluoromethane	500	3	1.3	1.7	1.8	1.5	1.7	1.2	1.3	2	1.2	1.8	1.4
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
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
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

Table 1.
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Former Gorham Manufacturing Site
Providence, Rhode Island

Parameter (ug/m ³)	Indoor Air - Center Small Retail Space											
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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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
2-Butanone	120	10	3.2	2.9	2.4	2.3	1	2.5	4.1	2.4	1.8	1.4
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
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
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
Acetone	44	14	14	25	11	8.5	6.1	11	28	20	14	6.5
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
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
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
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
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
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
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
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
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
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
Chloromethane	1.3	0.9	1.4	1.5	1	1.1	1.1	1.1	1.9	0.97	1.8	1.4
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
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

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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
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
Dichlorodifluoromethane	2	2.1	2.6	2.8	2.6	2.6	2	2.7	2.5	2.2	1.9	1.6
Ethanol	41	23	12	40	13	12	8.6	51	31	12	10	7.1
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Toluene	1.8	1.3	2.5	11	0.65	0.71	1.3	0.81	2	1.1	0.49	1.6
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
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
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
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
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
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
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

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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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Acetone	29	12	13	32	7.8	6.6	6.5	10	31	22	31	12
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
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
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
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
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
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
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
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
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
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
Chloromethane	1.7	0.98	1.4	1.5	1	1.2	1.1	0.93	1.8	1.2	2.1	1.2
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
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

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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
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
Dichlorodifluoromethane	2.1	2.2	2.6	2.7	2.6	2.6	2	2.4	2.7	2.3	2.1	1.8
Ethanol	7.3	16	11	26	7.9	8.4	7.1	11	14	11	10	13
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
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
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
Hexane	0.9	0.87	0.91	2	1.1	0.6	0.69	0.33	1.5	0.88	0.25	0.33
Isopropyl alcohol	3.7	6.2	3.6	8.3	0.25 U	2.7	0.18 U	7	14	4	1.9	18
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
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
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
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
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
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
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
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
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
Toluene	1.5	1.6	2.7	7.5	1.5	0.76	0.48	0.61	2.3	4	0.57	7.2
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
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
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
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
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
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
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

[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/m³ - 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 06/28/10
Checked by / Date: MAM 06/30/10

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

Date	Pressure Differential (inches of water)		
	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

** ASD system offline.

Prepared by/Date: MAM 06/25/10

Checked by/Date: DLC 6/30/10

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

Parameter (ug/m ³)	Outdoor Air Reference Locations													
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Acetone	7.3	8	15	22	8.4	5.9	12	1.1	27	9.5	10	10	9.6	5.4
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Parameter (ug/m ³)	Outdoor Air Reference Locations													
	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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

Parameter (ug/m ³)	Outdoor Air Reference Locations										Extraction Well - Large Retail Space				
	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	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	0.37 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	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	0.23 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	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	1.2	2.0	0.81	1.6	1.6	0.88	1.5	1.4	2.4	37	32	48	60	21	
2-Hexanone	0.23	0.2 U	0.2 U	0.32	0.2 U	0.2 U	0.29	0.29	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	0.2 U	0.34	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	8 U	8 U	4 U	
Acetone	17	11	3.5	7.6	5.0	3.7	9.5	12	20	1600	31	75	63	4.8 U	
Benzene	0.2	0.42	0.79	0.68	0.63	0.41	0.69	0.35	0.19	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	0.16 U	0.28	0.16 U	0.16 U	0.44	0.16 U	0.16 U	0.16 U	3.2 U	63	32	20	3.2 U	
Carbon tetrachloride	0.46	0.39	0.42	0.39	0.31 U	0.43	0.49	0.47	0.52	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	0.96	1.6	1.1	1.2	1.3	1.1	1.4	0.78	1.1	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	2.1	2.3	2.4	2.5	2.9	1.8	2.1	2.5	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

Parameter (ug/m ³)	Outdoor Air Reference Locations									Extraction Well - Large Retail Space				
	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	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	4.9	3.8	5.4	5.1	7.2	1.2	4.9	4	3.3	960	81	120	120	17
Ethyl acetate	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	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	0.22 U	9.4	4.4 U	8.8 U	8.8 U	4.4 U
Hexachlorobutadiene	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	22 U	22 U	43 U	43 U	22 U
Hexane	4.5	0.62	0.36	0.53	0.91	0.24	0.23	1.1	0.51	16	4.9	270	7.2 U	3.6 U
Isopropyl alcohol	0.25 U	0.54	0.56	2.7	1.5	0.8	0.73	0.69	1.6	610	2.4 U	15	9.9 U	5 U
m,p-Xylene	0.43 U	0.43 U	0.43 U	0.50	0.47	0.43 U	0.49	0.43 U	0.43 U	25	8.6 U	18 U	18 U	8.6 U
Methylene chloride	23	4.6	1.3	1.9	1.7	0.7 U	0.7 U	0.7 U	0.35 U	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	0.2 U	0.26	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	0.22 U	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	0.35 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	0.15 U	0.19	0.15 U	0.15 U	0.15 U	77	77	150	180	66
Toluene	0.5	0.78	0.94	0.64	0.97	0.46	1.1	0.75	0.63	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	0.27 U	0.30	0.27 U	0.27 U	0.27 U	0.27 U	36000	17000	26000	13000	1400
Trichlorofluoromethane	1.5	2.2	1.2	1.2	1.6	1.5	1.5	1.2	1.4	9900	2300	1800	1000	98
Trichlorotrifluoroethane	0.46	0.54	0.49	0.55	0.54	0.54	0.62	0.45	0.58	7.6 U	7.6 U	16 U	16 U	7.6 U
Vinyl acetate	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	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

Parameter (ug/m ³)	Extraction Well - Large Retail Space													
	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-1- 030609 3/6/2009	EW-1- 033109 3/31/2009	EW-2- 030609 3/6/2009
1,1,1-Trichloroethane	19000	11000	8100	7900	6800	1500	2500	150	1200	1400	1700	59000	66000	26000
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	6.8 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	6.4	10	5.4 U
1,1-Dichloroethane	2200	1600	1900	1900	1700	280	370	31	310	200	270	4100	4400	5700
1,1-Dichloroethene	420	310	250	260	280	52	66	7.3	62	30	40	570	1200	330
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	7.4 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	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	7.6 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	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	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	4.6 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	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	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	2.2 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	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	6 U	6 U	6 U
2-Butanone	40	7.8	31	30	21	4	11	10	9.0	12.0	22.0	3.5	8.9	12
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	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	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	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	35	16	9.6 U
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	5.3	11	5.6
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	5.2 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	6.6 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	11 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	3.8 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	3.2 U	3.2 U	27
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	6.2 U	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	4.6 U	4.6 U	4.6 U
Chloroethane	220	110	94	92	88	9.8	11	1.3	9.9	4.8	7.2	170	250	700
Chloroform	8.8	12	14	11	11	4.1	5.8	0.49	6.2	6	7.9	20	34	9.6
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	2 U	2 U	2 U
cis-1,2-Dichloroethene	1600	1600	1500	1300	1200	190	280	21	240	180	260	2000	2200	6100
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	4.4 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	3.4 U	5.7	8.4
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	8.6 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	5 U	170	5 U

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

Parameter (ug/m ³)	Extraction Well - Large Retail Space													
	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-1- 030609 3/6/2009	EW-1- 033109 3/31/2009	EW-2- 030609 3/6/2009
Ethanol	21	200	96	32	33	39	60	23	62	10	19 U	33	40	12
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	3.6 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	4.4 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	22 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	3.6 U	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	28	2.4 U	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	8.6 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	7 U	19	7 U
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	3.6 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	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	4.4 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	4.2 U	4.2 U	4.2 U
Tetrachloroethene	110	110	260	67	72	4.6	200	4.8	45	450	1300	600	1200	2300
Tetrahydrofuran	110	1.5 U	96	85	67	15	32	28	43	34	54	6.3	21	19
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	3.8 U	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	9.2	23	69
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	4.4 U	4.4 U	4.4 U
Trichloroethene	6200	4000	3600	4000	4300	390	1400	58	460	1200	2000	31000	42000	25000
Trichlorofluoromethane	600	1800	1400	1500	1500	260	230	29	230	210	300	520	540	1300
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	7.6 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	3.6 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	2.7	4.8	9.4

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

Parameter (ug/m ³)	Extraction Well - Large Retail Space					Post Treatment - Large Retail Space						
	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	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	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	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	7000	1600	2300	690	1400	0.2 U	1 U	5.4	11000	490	370	610
1,1-Dichloroethene	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	53	24	26	12	1200	11	19	12	430	3.6	5.7
Benzene	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	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	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	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	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	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	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	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	590	41	44	17	33	0.13 U	5100	1800	480	64	19	10
Chloroform	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	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	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	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	8.8	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	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	5.4	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

Parameter (ug/m ³)	Extraction Well - Large Retail Space					Post Treatment - Large Retail Space						
	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	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	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	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	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	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	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	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	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	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	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	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	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	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	2500	73	310	31	170	0.72	1.7 U	1.1	0.68 U	68 U	0.52	1.9
Tetrahydrofuran	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	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	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	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	8600	19000	2700	5500	2	11	16	2.7	54 U	1	1.0
Trichlorofluoromethane	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	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	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	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

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	
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

Parameter (ug/m ³)	Indoor Air - Large Retail Space													
	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-2-1/16/2009	IA-2-020309 2/3/2009	IA-2-021109 2/11/2009	IA-2-021809 2/18/2009	IA-2-022609 2/26/2009
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	9.9	0.63	1.1	1.1	0.44
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	0.72	0.2 U	0.2 U	0.2 U	0.32
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	0.41	0.2 U	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	0.25 U	0.37	0.7	0.65	0.3
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	0.25 U	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	0.3	0.66	0.11 U
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	21	4.1	4.6	3	2.9
2-Hexanone	0.71	0.36	0.2 U	0.47	0.2 U	0.27	0.27	0.2 U	0.67	0.2 U	0.2 U	0.35	0.26	0.2 U
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	0.2 U	0.2 U	0.35	0.2 U	0.2 U
Acetone	13	12	2.0	19	7.3	8.5	7	6.5	18	17	9.6	14	18	9.7
Benzene	1.1	1.2	0.16 U	0.98	0.64	0.53	0.59	0.64	0.5	1	0.67	1.8	3	0.77
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	0.33	0.41	0.55	0.57	0.48
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	0.42	0.13 U	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	0.25
Chloromethane	1.3	1.1	1.4	1.3	1.3	1.2	1.3	0.79	1.2	1.1	1	1.3	1.3	1
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	2.1	0.24	1.1	1.1	0.95
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	0.44	0.61	0.17 U
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	1.8	2.2	2.6	2.9	2.7

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

Parameter (ug/m ³)	Indoor Air - Large Retail Space													
	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-2-1/16/2009	IA-2-020309 2/3/2009	IA-2-021109 2/11/2009	IA-2-021809 2/18/2009	IA-2-022609 2/26/2009
Ethanol	10	8.4	7.0	29	19	43	4.6	4.4	6	5.5	8.8	12	17	7.9
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	0.37 U	0.37 U	0.18 U	0.18 U	0.37 U
Ethylbenzene	0.46	0.40	0.22 U	0.32	0.22 U	0.22 U	0.22 U	0.23	0.29	0.26	0.28	0.65	0.79	0.3
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	1.1 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	0.88	0.57	1.3	1.6	0.69
Isopropyl alcohol	1.8	2.4	0.25 U	9.4	0.25 U	1.6	0.65	3.4	0.12 U	3.7	3.1	4.5	4.5	4.7
m,p-Xylene	1.4	1.1	0.43 U	1.0	0.43 U	0.43 U	0.5	0.77	1.1	0.76	0.88	2	2.6	0.93
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	2	30	4	1.6	1.8
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	0.23	0.2 U	0.58	0.73	0.22
o-Xylene	0.52	0.44	0.22 U	0.38	0.22 U	0.22 U	0.22 U	0.28	0.46	0.3	0.34	0.76	0.89	0.34
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	0.18 U	0.18 U	0.09 U	0.09 U	0.18 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	0.21 U	0.21 U	0.21 U	0.23	0.21 U
Tetrachloroethene	3.2	0.34 U	0.34 U	0.34 U	0.34 U	1.2	0.34 U	4.5	0.55	7.5	0.64	4.2	3.2	3.3
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	12	1.2	1.2	0.49	0.41
Toluene	2.8	2.1	0.19 U	0.82	0.69	0.58	0.8	1.3	0.91	1.7	1.3	4	5.5	2.3
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	4.4	0.56	1.6	1.4	0.91
Trichlorofluoromethane	1.3	2.5	0.81	1.3	1.5	1.5	1.4	1.2	1.3	2	1.2	1.7	2.8	1.6
Trichlorotrifluoroethane	0.52	0.63	0.38 U	0.71	0.63	0.55	0.55	0.48	0.59	0.69	0.58	0.49	0.46	0.64
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	0.71 U	0.71 U	0.18 U	0.18 U	0.71 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	0.27	0.13 U	0.18	0.2	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)	Indoor Air - Large Retail Space													
	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	IA-3 1/16/2009
1,1,1-Trichloroethane	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	9.8
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	0.2 U	0.2 U	0.2 U	0.68
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	0.2 U	0.2 U	0.2 U	0.35
1,2,4-Trichlorobenzene	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	0.37 U
1,2,4-Trimethylbenzene	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	0.25 U
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 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	0.25 U
1,3-Butadiene	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	0.11 U
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	0.34	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	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	20
2-Hexanone	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	0.2 U
4-Ethyltoluene	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	0.25 U
4-Methyl-2-pentanone	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	0.2 U
Acetone	13	39	6.2	17	11	8.8	17	7.8	3.1	0.48 U	6.3	8.2	18	18
Benzene	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	1
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	0.16 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	0.41	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	0.34
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	0.13 U	0.13 U
Chloroform	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	0.24 U
Chloromethane	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	1.1
cis-1,2-Dichloroethene	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	1.9
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	0.12 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	0.17 U
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	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	1.9

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Parameter (ug/m ³)	Indoor Air - Large Retail Space													
	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	IA-3 1/16/2009
Ethanol	4.9	7.5	4.8	6.7	7.8	6.2	14	35	17	20	4.4	4.9	5	5.5
Ethyl acetate	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	0.37 U
Ethylbenzene	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	0.25
Hexachlorobutadiene	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	1.1 U
Hexane	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	0.94
Isopropyl alcohol	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	3.5
m,p-Xylene	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	0.75
Methylene chloride	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	2.2
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	0.15	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	0.22
o-Xylene	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	0.28
Propylene (Propene)	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	0.18 U
Styrene	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	0.21 U
Tetrachloroethene	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	6.1
Tetrahydrofuran	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	12
Toluene	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	1.7
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	0.77	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	3.9
Trichlorofluoromethane	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	1.9
Trichlorotrifluoroethane	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	0.6
Vinyl acetate	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	0.71 U
Vinyl chloride	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	0.23

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

Parameter (ug/m ³)	Indoor Air - Large Retail Space													
	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	IA-3-021210 2/12/2010	IA-3-021910 2/19/2010
1,1,1-Trichloroethane	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	0.29	0.86
1,1,2,2-Tetrachloroethane	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	0.34 U	0.34 U
1,1,2-Trichloroethane	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	0.27 U	0.27 U
1,1-Dichloroethane	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	0.2 U	0.2 U
1,1-Dichloroethene	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	0.2 U	0.2 U
1,2,4-Trichlorobenzene	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	0.37 U	0.37 U
1,2,4-Trimethylbenzene	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	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	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	0.38 U	0.38 U
1,2-Dichlorobenzene	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	0.3 U	0.3 U
1,2-Dichloroethane	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	0.2 U	0.2 U
1,2-Dichloropropane	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	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	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	0.35 U	0.35 U
1,3,5-Trimethylbenzene	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	0.25 U	0.25 U
1,3-Butadiene	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	0.23 U	0.23 U
1,3-Dichlorobenzene	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	0.3 U	0.3 U
1,4-Dichlorobenzene	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	0.3 U	0.3 U
2-Butanone	4.2	4.6	4	1.7	1.6	2.5	2	2.6	0.7	1.5	1.9	2.0	1.2	1.6
2-Hexanone	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	0.22	0.39
4-Ethyltoluene	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	0.25 U	0.25 U
4-Methyl-2-pentanone	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	0.2 U	0.2 U
Acetone	12	17	24	9.7	7.5	50	11	19	6.7	11	14	21	6.7	7.3
Benzene	0.71	1.9	3.1	0.69	0.6	0.46	0.41	0.5	0.39	0.46	1.3	0.86	0.67	0.53
Benzyl chloride	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	0.26 U	0.26 U
Bromodichloromethane	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	0.33 U	0.33 U
Bromoform	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	0.51 U	0.51 U
Bromomethane	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	0.19 U	0.19 U
Carbon disulfide	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	0.16 U	0.16 U
Carbon tetrachloride	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	0.31 U	0.43
Chlorobenzene	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	0.23 U	0.23 U
Chloroethane	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	0.13 U	0.13 U
Chloroform	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	0.48	0.24 U
Chloromethane	0.98	1.2	1.4	1.1	1.2	1.2	0.91	1.1	0.97	1	1.2	2.9	1.3	1.2
cis-1,2-Dichloroethene	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	0.2 U	0.59
cis-1,3-Dichloropropene	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	0.22 U	0.22 U
Cyclohexane	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	0.17 U	0.17 U
Dibromochloromethane	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	0.43 U	0.43 U
Dichlorodifluoromethane	2.3	2.5	2.9	2.6	2	2.9	2.1	2.1	2.2	2.2	2.3	2.5	2.5	3.0

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

Parameter (ug/m ³)	Indoor Air - Large Retail Space													
	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	IA-3-021210 2/12/2010	IA-3-021910 2/19/2010
Ethanol	9.2	13	18	7.9	4.2	9	6.2	7.5	4.5	5	13	40	17	38
Ethyl acetate	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	0.18 U	0.18 U
Ethylbenzene	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	0.22 U	0.22 U
Hexachlorobutadiene	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	0.53 U	0.53 U
Hexane	0.87	1.3	1.9	3.7	0.37	0.77	0.96	0.47	0.37	0.71	0.55	0.44	1.0	0.29
Isopropyl alcohol	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	0.25 U	2.0
m,p-Xylene	0.9	2	2.6	0.65	0.57	0.66	0.7	0.99	0.65	0.87	1.2	0.69	0.43 U	0.43 U
Methylene chloride	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	2.3	0.7 U
Methyl-t-butyl ether	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	0.18 U	0.18 U
n-Heptane	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	0.2 U	0.2 U
o-Xylene	0.33	0.79	0.86	0.23	0.22	0.24	0.26	0.45	0.27	0.34	0.44	0.26	0.22 U	0.22 U
Propylene (Propene)	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	0.35 U	0.35 U
Styrene	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	0.21 U	0.21 U
Tetrachloroethene	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	0.34 U	1.3
Tetrahydrofuran	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	0.15 U	0.15 U
Toluene	1.5	4.7	5.8	2.1	1	1.2	1.2	1.1	0.73	1.1	2.5	0.78	0.61	0.46
trans-1,2-Dichloroethene	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	0.2 U	0.2 U
trans-1,3-Dichloropropene	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	0.22 U	0.22 U
Trichloroethene	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	0.27 U	0.40
Trichlorofluoromethane	1.3	1.8	2.8	1.8	1.2	1.3	1.4	1.2	1.2	1.2	1.2	1.3	1.4	1.6
Trichlorotrifluoroethane	0.58	0.49	0.44	0.69	0.53	0.74	0.51	0.46	0.49	0.47	0.49	0.52	0.57	0.52
Vinyl acetate	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	0.71 U	0.71 U
Vinyl chloride	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	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)	Indoor Air - Large Retail Space													
	IA-3-032610 3/26/2010	IA-3-043010 4/30/2010	IA-3-052810 5/28/2010	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	IA-4-092409 9/24/2009	IA-4-100109 10/1/2009	IA-4-100809 10/8/2009
1,1,1-Trichloroethane	0.27 U	1.2	0.27 U	10	0.62	1.1	1.1	0.45	1.5	2.2	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	0.24 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	0.19 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	0.73	0.2 U	0.2 U	0.2 U	0.31	0.14 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	0.42	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	0.75 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.26	0.34	0.26	0.37	0.74	0.65	0.29	0.18 U	0.25 U	0.25 U	0.41	0.28	0.41
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	0.27 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	0.21 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	0.14 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	0.17 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	0.25 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	0.18 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	0.11 U	0.11 U	0.11 U	0.33	0.77	0.11 U	0.08 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	0.3 U	0.21 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	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	0.51	1	2.2	21	4.4	6	3.2	2.5	1.1	1.6	1.5	2	1.3	1.2
2-Hexanone	0.2 U	0.29	0.52	0.2 U	0.33	0.73	0.39	0.2 U	0.14 U	0.2 U	0.29	0.45	0.32	0.27
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	0.18 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	0.43	0.28	0.2 U	0.14 U	0.2 U	0.2 U	0.32	0.2 U	0.2 U
Acetone	3.8	7.7	15	17	10	15	20	7.8	7.9	20	9.3	16	9.3	10
Benzene	0.6	0.67	0.47	1.1	0.68	1.8	3	0.76	0.59	0.44	0.4	0.43	0.37	0.48
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	0.19 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	0.24 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	0.36 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	0.14 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	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.43	0.49	0.54	0.4	0.43	0.5	0.58	0.46	0.22 U	0.45	0.41	0.4	0.46	0.4
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	0.17 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	0.41	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	0.24 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	0.24 U	0.24 U	0.24 U
Chloromethane	1.1	0.85	1.2	1.2	0.99	1.4	1.3	1	1.1	1.2	0.9	1.1	1	1
cis-1,2-Dichloroethene	0.2 U	1.3	0.2 U	2.4	0.2 U	1.1	1.1	0.98	0.61	1.7	0.2 U	0.2 U	0.84	0.48
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	0.16 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	0.44	0.64	0.17 U	0.12 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	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	1.6	2.1	2.5	1.9	2.2	2.5	2.8	2.6	2.1	2.4	2.1	2	2.2	2.2

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

Parameter (ug/m ³)	Indoor Air - Large Retail Space													
	IA-3-032610 3/26/2010	IA-3-043010 4/30/2010	IA-3-052810 5/28/2010	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	IA-4-092409 9/24/2009	IA-4-100109 10/1/2009	IA-4-100809 10/8/2009
Ethanol	3.6	5.3	5.5	5.3	8.9	12	18	8	5.2	5.5	6	6.5	4.9	5.6
Ethyl acetate	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	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.22 U	0.26	0.23	0.25	0.29	0.65	0.78	0.29	0.16	0.22 U	0.22 U	0.27	0.22 U	0.26
Hexachlorobutadiene	1.1 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	0.53 U	0.53 U	0.53 U
Hexane	0.19	1.4	0.55	0.9	0.66	1.2	1.7	0.66	0.43	0.34	0.42	2.2	0.49	0.93
Isopropyl alcohol	0.6	3.4	0.12 U	3.5	3.3	4.7	4.8	3.9	0.18 U	13	5.6	5.2	0.25 U	0.25 U
m,p-Xylene	0.46	0.8	0.99	0.76	0.89	2.1	2.6	0.89	0.58	0.49	0.61	0.93	0.69	1
Methylene chloride	0.7 U	0.7 U	0.35 U	2.3	29	1.7	2.5	1.3	1.9	2.2	0.7 U	9.7	0.7 U	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	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.36	0.2 U	0.23	0.2 U	0.58	0.79	0.21	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.26
o-Xylene	0.22 U	0.32	0.43	0.27	0.33	0.78	0.87	0.33	0.22	0.22 U	0.22 U	0.42	0.28	0.4
Propylene (Propene)	0.35 U	0.35 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	0.35 U	0.18 U	0.35 U
Styrene	0.21 U	0.21 U	0.23	0.21 U	0.21 U	0.22	0.23	0.21 U	0.15 U	0.21 U	0.21 U	0.21	0.21 U	0.21 U
Tetrachloroethene	0.34 U	4.8	0.35	7.3	0.58	4.4	3.4	3.4	2.4	7.9	0.75	0.34 U	2	1.1
Tetrahydrofuran	0.15 U	0.15 U	0.16	13	1.2	1.3	0.47	0.34	0.21	0.25	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	0.81	1.5	0.93	1.8	1.3	4.3	5.8	2.3	1	1	1.1	1.3	0.76	1.2
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	0.14 U	0.2 U	0.2 U	0.2 U	1.1	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	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.27 U	1.5	0.27 U	4.7	0.48	1.7	1.5	0.88	0.78	2	0.27 U	0.27 U	1.1	0.57
Trichlorofluoromethane	1.3	1.2	1.3	2	1.3	1.6	3	1.7	1.3	1.3	1.2	1.5	1.2	1.2
Trichlorotrifluoroethane	0.57	0.45	0.52	0.72	0.59	0.51	0.45	0.57	0.54	0.61	0.49	0.48	0.47	0.5
Vinyl acetate	0.36 U	0.71 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	0.71 U	0.71 U	0.71 U
Vinyl chloride	0.13 U	0.14	0.13 U	0.29	0.13 U	0.2	0.22	0.13 U	0.1 U	0.2	0.13 U	0.13 U	0.16	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)	Indoor Air - Large Retail Space													
	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	LRAIR01 5/15/2009	LRAIR02 5/15/2009	LRAIR03 5/15/2009	LRAIR04 5/15/2009	LRAIR05 5/15/2009	LRAIR06 5/15/2009	LRAIR07 5/15/2009
1,1,1-Trichloroethane	0.27 U	0.76	0.29	0.89	0.27 U	1.1	0.28	0.45	0.52	0.65	0.57	0.51	0.44	0.69
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	0.75 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	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.34	0.25 U	0.25 U	0.25 U	0.29	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	0.11 U	0.23 U	0.11 U	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	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	0.3 U	0.69	1.2	0.50	1.60	1.50	2.20	3.3	3.4	2.1	2.6	2	1.6	3.1
2-Hexanone	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.39	0.54	0.73	0.66	0.38	0.51	0.37	0.38	0.61
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	0.42	0.39	0.32	0.36	0.54	0.27	0.32
Acetone	2.3	4.9	5.9	2.5	6.9	8.7	15	12	13	10	11	8.5	7.7	13
Benzene	0.16 U	0.88	0.66	0.54	0.57	0.64	0.48	0.54	0.6	0.67	0.55	0.56	0.51	0.53
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	0.31	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.31 U	0.43	0.31 U	0.42	0.43	0.47	0.52	0.7	0.68	0.71	0.68	0.68	0.63	0.68
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	0.46	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	0.24 U	0.24 U	0.24 U
Chloromethane	1.3	1.3	1.3	1.2	1.1	0.77	1.2	1	0.98	1	0.95	1	1	0.92
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.59	0.2 U	1.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.21
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	2.4	2.5	2.6	3.0	1.7	2.1	2.5	2.5	2.3	2.6	2.4	2.7	2.4	2.4

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

Parameter (ug/m ³)	Indoor Air - Large Retail Space													
	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	LRAIR01 5/15/2009	LRAIR02 5/15/2009	LRAIR03 5/15/2009	LRAIR04 5/15/2009	LRAIR05 5/15/2009	LRAIR06 5/15/2009	LRAIR07 5/15/2009
Ethanol	7.7	34	17	31	3.9	4.9	6.1	65	9	6.5	5.9	6	5.6	5.9
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	0.22 U	0.26	0.22 U	0.22 U	0.22 U	0.25	0.25	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Hexachlorobutadiene	0.53 U	0.53 U	0.53 U	0.53 U	1.1 U	0.53 U	0.53 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Hexane	0.18 U	0.37	1.3	0.49	0.19	1.3	0.55	1.1	0.21	0.18 U	0.18	0.24	0.18 U	0.19
Isopropyl alcohol	0.96	0.25 U	0.25 U	1.9	0.66	3.4	4.4	3.3	3.4	3.7	3.5	3.6	3.4	4.4
m,p-Xylene	0.43 U	0.81	0.43 U	0.43 U	0.49	0.8	0.98	0.58	0.57	0.58	0.55	0.49	0.5	0.48
Methylene chloride	1.5	0.7 U	1.9	0.71	0.7 U	0.7 U	0.35 U	5.9	1.5	1.5	1.6	1.9	1.6	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	0.2 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
o-Xylene	0.22 U	0.31	0.22 U	0.22 U	0.22 U	0.3	0.44	0.28	0.28	0.27	0.27	0.25	0.26	0.25
Propylene (Propene)	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.87 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Styrene	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22	0.23	0.21 U	0.21 U	0.22	0.21 U	0.21 U	0.37
Tetrachloroethene	0.34 U	0.34 U	0.34 U	1.4	0.34 U	4.4	0.44	0.47	0.47	0.54	0.66	0.64	0.6	0.73
Tetrahydrofuran	0.15 U	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	0.2	0.15 U	0.15 U
Toluene	0.19 U	0.79	0.63	0.47	0.83	1.4	0.98	0.73	0.7	0.58	0.59	0.51	0.53	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	0.40	0.27 U	1.40	0.27 U	0.27 U	0.28	0.27	0.29	0.34	0.27	0.28
Trichlorofluoromethane	0.93	1.3	1.4	1.6	1.5	1.3	1.3	1.3	1.3	1.2	1.1	1.4	1.3	1.1
Trichlorotrifluoroethane	0.38 U	0.55	0.58	0.55	1.3	0.48	0.51	0.63	0.6	0.65	0.62	0.64	0.57	0.59
Vinyl acetate	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	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	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

Parameter (ug/m ³)	Indoor Air - Large Retail Space		
	LRAIR08 5/15/2009	LRAIR09 5/15/2009	LRAIR10 5/15/2009
1,1,1-Trichloroethane	0.5	0.49	0.53
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U
2-Butanone	2.5	2.6	1.4
2-Hexanone	0.48	0.43	0.29
4-Ethyltoluene	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.3	0.61	0.23
Acetone	11	9.8	6.9
Benzene	0.6	0.51	0.57
Benzyl chloride	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.7	0.64	0.66
Chlorobenzene	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U
Chloromethane	1.1	0.91	1.2
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	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**

Parameter (ug/m ³)	Indoor Air - Large Retail Space		
	LRAIR08 5/15/2009	LRAIR09 5/15/2009	LRAIR10 5/15/2009
Ethanol	14	44	14
Ethyl acetate	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.22 U	0.27	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U
Hexane	0.21	0.2	0.18 U
Isopropyl alcohol	3.6	2.8	3.2
m,p-Xylene	0.53	1	0.5
Methylene chloride	1.6	1.6	1.4
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.2 U	0.2 U
o-Xylene	0.27	0.34	0.26
Propylene (Propene)	0.09 U	0.09 U	0.09 U
Styrene	0.21 U	0.21 U	0.21 U
Tetrachloroethene	0.53	0.46	0.46
Tetrahydrofuran	0.15 U	0.15 U	0.15 U
Toluene	0.53	0.54	0.47
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U
Trichloroethene	0.27 U	0.27 U	0.27 U
Trichlorofluoromethane	1.4	1	1.4
Trichlorotrifluoroethane	0.68	0.62	0.58
Vinyl acetate	0.18 U	0.18 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U

NA - not available

U - Not detected, value is the detection limit

ug/m³ - micrograms per cubic meter

Prepared by/Date: KJC 06/28/10

Checked by/Date: MAM 06/30/10

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

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

Date	Pressure Differential (inches of water)			
	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

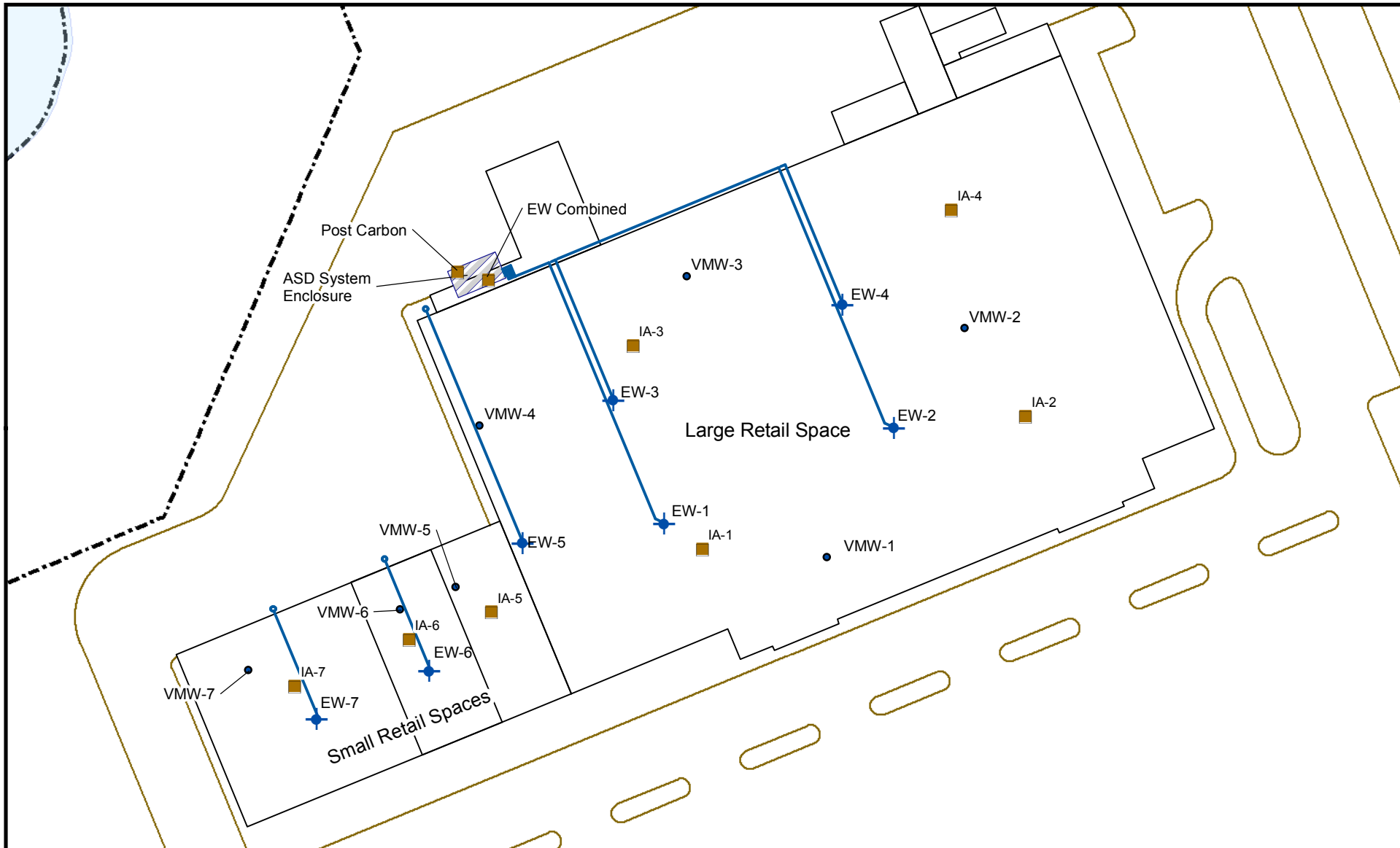
* vacuum reduced at extraction wells

** ASD system offline

Prepared by/Date: MAM 6/25/10

Checked by/Date: DLC 6/30/10

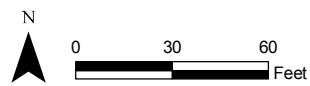
FIGURES



All locations are approximate

Legend

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



Prepared by BJR | Checked by DEH

Figure 1
Vapor Mitigation
Sample Locations

Former Gorham Manufacturing Facility
333 Adelaide Avenue
Providence, Rhode Island



APPENDIX A
Laboratory Reports



FILE COPY

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

REPORT DATE 4/6/2010

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 #: LIMIT-25347
JOB NUMBER: 3650080114

PROJECT LOCATION: Providence, RI Gorham

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
AA-1-032610	10B00051	AIR	Not Specified	to-15 ppbv	
AA-1-032610	10B00051	AIR	Not Specified	to-15 ug/m3	
EW-5-032610	10B00049	AIR	Not Specified	to-15 ppbv	
EW-5-032610	10B00049	AIR	Not Specified	to-15 ug/m3	
EW-7-032610	10B00050	AIR	Not Specified	to-15 ppbv	
EW-7-032610	10B00050	AIR	Not Specified	to-15 ug/m3	
IA-1-032610	10B00042	AIR	Not Specified	to-15 ppbv	
IA-1-032610	10B00042	AIR	Not Specified	to-15 ug/m3	
IA-2-032610	10B00043	AIR	Not Specified	to-15 ppbv	
IA-2-032610	10B00043	AIR	Not Specified	to-15 ug/m3	
IA-3-032610	10B00044	AIR	Not Specified	to-15 ppbv	
IA-3-032610	10B00044	AIR	Not Specified	to-15 ug/m3	
IA-4-032610	10B00045	AIR	Not Specified	to-15 ppbv	
IA-4-032610	10B00045	AIR	Not Specified	to-15 ug/m3	
IA-5-032610	10B00046	AIR	Not Specified	to-15 ppbv	
IA-5-032610	10B00046	AIR	Not Specified	to-15 ug/m3	
IA-6-032610	10B00047	AIR	Not Specified	to-15 ppbv	
IA-6-032610	10B00047	AIR	Not Specified	to-15 ug/m3	
IA-7-032610	10B00048	AIR	Not Specified	to-15 ppbv	
IA-7-032610	10B00048	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
OF PARAMETERS ORDERED BY:**
[Signature] 4/9/10



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

REPORT DATE 4/6/2010

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 #: LIMIT-25347
JOB NUMBER: 3650080114

Comments :

LIMS BATCH NO. : LIMIT-25347

CASE NARRATIVE SUMMARY

In method TO-15, method blank-133050 associated with samples 10B00042 - 10B00049 and 10B00051 contained Acetone at 0.26 ppbv = 0.64 ug/m3 and 2-Butanone(MEK) at 0.02 ppbv = 0.07 ug/m3.

In method TO-15, any reported result for Hexane and 1,2-Dichloroethane in sample 10B00050 is estimated and likely to be biased on the low side based on continuing calibration bias.

In method TO-15, any reported result for 2-Butanone(MEK), Vinyl Acetate and MIBK in samples 10B00042 - 10B00049 and 10B00051 is likely to be biased on the low side based on laboratory fortified blank recovery bias.

In method TO-15, any reported result for 2-Butanone(MEK), Vinyl Acetate, Hexane, 1,2-Dichloroethane and MIBK in sample 10B00050 is likely to be biased on the low side based on laboratory fortified blank recovery 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.

Table with 3 columns: Sample, Dilution, Compound(s). Rows include samples 10B00042 through 10B00051 and blank-133050/133051 with various dilutions and compound lists.

Method blank-133050 is associated with samples 10B00042 - 10B00049, 10B00051 and dilutions.
Method blank-133051 is associated with sample 10B00050 2X.

Lfblank-95379 is associated with samples 10B00042 - 10B00049, 10B00051 and dilutions.
Lfblank-95380 is associated with sample 10B00050 2X.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033 AIHA ELLAP (LEAD) 100033 NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100 NEW HAMPSHIRE NELAP 2516 NEW JERSEY NELAP NJ MA007 (AIR)



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REPORT DATE 4/6/2010

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 #: LIMIT-25347
JOB NUMBER: 3650080114

CONNECTICUT PH-0567
NEW YORK ELAP/NELAP 10899

VERMONT DOH (LEAD) No. LL015036
RHODE ISLAND (LIC. No. 112)

FLORIDA DOH E871027 (AIR)

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

4/6/10
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

Kelly Chatterton
 MACTEC ENGINEERING & CONSULTING - MA
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 WAKEFIELD, MA 01880

4/6/2010
 Page 1 of 41

Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : AA-1-032610

Sample ID : 10B00051 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.0	0.05		03/31/10	TPH
Benzene	PPBv	0.22	0.05		03/31/10	TPH
Benzyl Chloride	PPBv	ND	0.05		03/31/10	TPH
Bromodichloromethane	PPBv	ND	0.05		03/31/10	TPH
Bromoform	PPBv	ND	0.05		03/31/10	TPH
Bromomethane	PPBv	ND	0.05		03/31/10	TPH
1,3-Butadiene	PPBv	ND	0.05		03/31/10	TPH
2-Butanone (MEK)	PPBv	0.50	0.05		03/31/10	TPH
Carbon Disulfide	PPBv	ND	0.05		03/31/10	TPH
Carbon Tetrachloride	PPBv	0.08	0.05		03/31/10	TPH
Chlorobenzene	PPBv	ND	0.05		03/31/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		03/31/10	TPH
Chloroethane	PPBv	ND	0.05		03/31/10	TPH
Chloroform	PPBv	ND	0.05		03/31/10	TPH
Chloromethane	PPBv	0.70	0.05		03/31/10	TPH
Cyclohexane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
Dichlorodifluoromethane	PPBv	0.37	0.05		03/31/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		03/31/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/31/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/31/10	TPH
Ethanol	PPBv	2.6	0.05		03/31/10	TPH
Ethyl Acetate	PPBv	ND	0.05		03/31/10	TPH
Ethylbenzene	PPBv	ND	0.05		03/31/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		03/31/10	TPH
n-Heptane	PPBv	ND	0.05		03/31/10	TPH

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



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

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 WAKEFIELD, MA 01880

4/6/2010
 Page 2 of 41

Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : AA-1-032610

Sample ID : 10B00051 ‡Sampled : 3/26/2010
 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		03/31/10	TPH
Hexane	PPBv	0.06	0.05		03/31/10	TPH
2-Hexanone	PPBv	0.07	0.05		03/31/10	TPH
Isopropanol	PPBv	0.30	0.05		03/31/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/31/10	TPH
Methylene Chloride	PPBv	ND	0.20		03/31/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/31/10	TPH
Propene	PPBv	ND	0.20		03/31/10	TPH
Styrene	PPBv	ND	0.05		03/31/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/31/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		03/31/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		03/31/10	TPH
Toluene	PPBv	0.29	0.05		03/31/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		03/31/10	TPH
1,1,1-Trichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		03/31/10	TPH
Trichloroethylene	PPBv	ND	0.05		03/31/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.28	0.05		03/31/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		03/31/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/31/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/31/10	TPH
Vinyl Acetate	PPBv	ND	0.10		03/31/10	TPH
Vinyl Chloride	PPBv	ND	0.05		03/31/10	TPH
m/p-Xylene	PPBv	0.11	0.10		03/31/10	TPH
o-Xylene	PPBv	ND	0.05		03/31/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	9.5	0.12		03/31/10	TPH
Benzene	ug/m3	0.69	0.16		03/31/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		03/31/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		03/31/10	TPH
Bromoform	ug/m3	ND	0.51		03/31/10	TPH
Bromomethane	ug/m3	ND	0.19		03/31/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		03/31/10	TPH
2-Butanone (MEK)	ug/m3	1.5	0.15		03/31/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		03/31/10	TPH

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



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

Kelly Chatterton
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 WAKEFIELD, MA 01880

4/6/2010
 Page 3 of 41

Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : AA-1-032610

Sample ID : 10B00051 ‡Sampled : 3/26/2010
 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	0.49	0.31		03/31/10	TPH
Chlorobenzene	ug/m3	ND	0.23		03/31/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		03/31/10	TPH
Chloroethane	ug/m3	ND	0.13		03/31/10	TPH
Chloroform	ug/m3	ND	0.24		03/31/10	TPH
Chloromethane	ug/m3	1.4	0.10		03/31/10	TPH
Cyclohexane	ug/m3	ND	0.17		03/31/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		03/31/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
Dichlorodifluoromethane	ug/m3	1.8	0.25		03/31/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		03/31/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		03/31/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		03/31/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/31/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/31/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/31/10	TPH
Ethanol	ug/m3	4.9	0.09		03/31/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		03/31/10	TPH
Ethylbenzene	ug/m3	ND	0.22		03/31/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		03/31/10	TPH
n-Heptane	ug/m3	ND	0.20		03/31/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		03/31/10	TPH
Hexane	ug/m3	0.23	0.18		03/31/10	TPH
2-Hexanone	ug/m3	0.29	0.20		03/31/10	TPH
Isopropanol	ug/m3	0.73	0.12		03/31/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/31/10	TPH
Methylene Chloride	ug/m3	ND	0.70		03/31/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/31/10	TPH
Propene	ug/m3	ND	0.35		03/31/10	TPH
Styrene	ug/m3	ND	0.21		03/31/10	TPH

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

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

4/6/2010
 Page 4 of 41

Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : AA-1-032610

Sample ID : 10B00051 ‡Sampled : 3/26/2010
 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		03/31/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		03/31/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		03/31/10	TPH
Toluene	ug/m3	1.1	0.19		03/31/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		03/31/10	TPH
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/31/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/31/10	TPH
Trichloroethylene	ug/m3	ND	0.27		03/31/10	TPH
Trichlorofluoromethane	ug/m3	1.5	0.28		03/31/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.62	0.38		03/31/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/31/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/31/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		03/31/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		03/31/10	TPH
m/p-Xylene	ug/m3	0.49	0.43		03/31/10	TPH
o-Xylene	ug/m3	ND	0.22		03/31/10	TPH

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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-5-032610

Sample ID : 10B00049 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	1300	1.0		04/01/10	TPH
Benzene	PPBv	1.7	1.0		04/01/10	TPH
Benzyl Chloride	PPBv	ND	1.0		04/01/10	TPH
Bromodichloromethane	PPBv	ND	1.0		04/01/10	TPH
Bromoform	PPBv	ND	1.0		04/01/10	TPH
Bromomethane	PPBv	ND	1.0		04/01/10	TPH
1,3-Butadiene	PPBv	ND	1.0		04/01/10	TPH
2-Butanone (MEK)	PPBv	6000	1.0		04/01/10	TPH
Carbon Disulfide	PPBv	1.8	1.0		04/01/10	TPH
Carbon Tetrachloride	PPBv	ND	1.0		04/01/10	TPH
Chlorobenzene	PPBv	ND	1.0		04/01/10	TPH
Chlorodibromomethane	PPBv	ND	1.0		04/01/10	TPH
Chloroethane	PPBv	1.3	1.0		04/01/10	TPH
Chloroform	PPBv	ND	1.0		04/01/10	TPH
Chloromethane	PPBv	ND	1.0		04/01/10	TPH
Cyclohexane	PPBv	ND	1.0		04/01/10	TPH
1,2-Dibromoethane	PPBv	ND	1.0		04/01/10	TPH
1,2-Dichlorobenzene	PPBv	ND	1.0		04/01/10	TPH
1,3-Dichlorobenzene	PPBv	ND	1.0		04/01/10	TPH
1,4-Dichlorobenzene	PPBv	ND	1.0		04/01/10	TPH
Dichlorodifluoromethane	PPBv	ND	1.0		04/01/10	TPH
1,1-Dichloroethane	PPBv	12	1.0		04/01/10	TPH
1,2-Dichloroethane	PPBv	ND	1.0		04/01/10	TPH
1,1-Dichloroethylene	PPBv	4.6	1.0		04/01/10	TPH
cis-1,2-Dichloroethylene	PPBv	8.0	1.0		04/01/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	1.0		04/01/10	TPH
1,2-Dichloropropane	PPBv	ND	1.0		04/01/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	1.0		04/01/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	1.0		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		04/01/10	TPH
Ethanol	PPBv	15	1.0		04/01/10	TPH
Ethyl Acetate	PPBv	ND	1.0		04/01/10	TPH
Ethylbenzene	PPBv	ND	1.0		04/01/10	TPH
4-Ethyl Toluene	PPBv	ND	1.0		04/01/10	TPH
n-Heptane	PPBv	ND	1.0		04/01/10	TPH

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-5-032610

Sample ID : 10B00049 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	2.0		04/01/10	TPH
Hexane	PPBv	ND	1.0		04/01/10	TPH
2-Hexanone	PPBv	ND	1.0		04/01/10	TPH
Isopropanol	PPBv	8.0	1.0		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		04/01/10	TPH
Methylene Chloride	PPBv	ND	4.0		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		04/01/10	TPH
Propene	PPBv	ND	4.0		04/01/10	TPH
Styrene	PPBv	ND	1.0		04/01/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		04/01/10	TPH
Tetrachloroethylene	PPBv	ND	1.0		04/01/10	TPH
Tetrahydrofuran	PPBv	7900	1.0		04/01/10	TPH
Toluene	PPBv	ND	1.0		04/01/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	2.0		04/01/10	TPH
1,1,1-Trichloroethane	PPBv	98	1.0		04/01/10	TPH
1,1,2-Trichloroethane	PPBv	ND	1.0		04/01/10	TPH
Trichloroethylene	PPBv	210	1.0		04/01/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	1.2	1.0		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		04/01/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	1.0		04/01/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	1.0		04/01/10	TPH
Vinyl Acetate	PPBv	ND	2.0		04/01/10	TPH
Vinyl Chloride	PPBv	1.3	1.0		04/01/10	TPH
m/p-Xylene	PPBv	ND	2.0		04/01/10	TPH
o-Xylene	PPBv	ND	1.0		04/01/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	3200	2.4		04/01/10	TPH
Benzene	ug/m3	5.5	3.2		04/01/10	TPH
Benzyl Chloride	ug/m3	ND	5.2		04/01/10	TPH
Bromodichloromethane	ug/m3	ND	6.6		04/01/10	TPH
Bromoform	ug/m3	ND	11		04/01/10	TPH
Bromomethane	ug/m3	ND	3.8		04/01/10	TPH
1,3-Butadiene	ug/m3	ND	2.2		04/01/10	TPH
2-Butanone (MEK)	ug/m3	18000	3.0		04/01/10	TPH
Carbon Disulfide	ug/m3	5.7	3.2		04/01/10	TPH

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NM = Not Measured

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-5-032610

Sample ID : 10B00049 ‡Sampled : 3/26/2010
 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	6.2		04/01/10	TPH
Chlorobenzene	ug/m3	ND	4.6		04/01/10	TPH
Chlorodibromomethane	ug/m3	ND	8.6		04/01/10	TPH
Chloroethane	ug/m3	3.5	2.6		04/01/10	TPH
Chloroform	ug/m3	ND	4.8		04/01/10	TPH
Chloromethane	ug/m3	ND	2.0		04/01/10	TPH
Cyclohexane	ug/m3	ND	3.4		04/01/10	TPH
1,2-Dibromoethane	ug/m3	ND	7.6		04/01/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	6.0		04/01/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	6.0		04/01/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	6.0		04/01/10	TPH
Dichlorodifluoromethane	ug/m3	ND	5.0		04/01/10	TPH
1,1-Dichloroethane	ug/m3	50	4.0		04/01/10	TPH
1,2-Dichloroethane	ug/m3	ND	4.0		04/01/10	TPH
1,1-Dichloroethylene	ug/m3	18	4.0		04/01/10	TPH
cis-1,2-Dichloroethylene	ug/m3	32	4.0		04/01/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	4.0		04/01/10	TPH
1,2-Dichloropropane	ug/m3	ND	4.6		04/01/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	4.4		04/01/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	4.4		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		04/01/10	TPH
Ethanol	ug/m3	28	1.8		04/01/10	TPH
Ethyl Acetate	ug/m3	ND	3.6		04/01/10	TPH
Ethylbenzene	ug/m3	ND	4.4		04/01/10	TPH
4-Ethyl Toluene	ug/m3	ND	5.0		04/01/10	TPH
n-Heptane	ug/m3	ND	4.0		04/01/10	TPH
Hexachlorobutadiene	ug/m3	ND	22		04/01/10	TPH
Hexane	ug/m3	ND	3.6		04/01/10	TPH
2-Hexanone	ug/m3	ND	4.0		04/01/10	TPH
Isopropanol	ug/m3	20	2.4		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		04/01/10	TPH
Methylene Chloride	ug/m3	ND	14		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		04/01/10	TPH
Propene	ug/m3	ND	6.9		04/01/10	TPH
Styrene	ug/m3	ND	4.2		04/01/10	TPH

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

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-5-032610

Sample ID : 10B00049 ‡Sampled : 3/26/2010
 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	6.8		04/01/10	TPH
Tetrachloroethylene	ug/m3	ND	6.8		04/01/10	TPH
Tetrahydrofuran	ug/m3	23000	3.0		04/01/10	TPH
Toluene	ug/m3	ND	3.8		04/01/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	15		04/01/10	TPH
1,1,1-Trichloroethane	ug/m3	540	5.4		04/01/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	5.4		04/01/10	TPH
Trichloroethylene	ug/m3	1100	5.4		04/01/10	TPH
Trichlorofluoromethane	ug/m3	7.0	5.6		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		04/01/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		04/01/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		04/01/10	TPH
Vinyl Acetate	ug/m3	ND	7.1		04/01/10	TPH
Vinyl Chloride	ug/m3	3.4	2.6		04/01/10	TPH
m/p-Xylene	ug/m3	ND	8.6		04/01/10	TPH
o-Xylene	ug/m3	ND	4.4		04/01/10	TPH

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-7-032610

Sample ID : 10B00050 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	11	0.10		04/01/10	TPH
Benzene	PPBv	0.48	0.10		04/01/10	TPH
Benzyl Chloride	PPBv	ND	0.10		04/01/10	TPH
Bromodichloromethane	PPBv	ND	0.10		04/01/10	TPH
Bromoform	PPBv	ND	0.10		04/01/10	TPH
Bromomethane	PPBv	ND	0.10		04/01/10	TPH
1,3-Butadiene	PPBv	ND	0.10		04/01/10	TPH
2-Butanone (MEK)	PPBv	10	0.10		04/01/10	TPH
Carbon Disulfide	PPBv	0.48	0.10		04/01/10	TPH
Carbon Tetrachloride	PPBv	ND	0.10		04/01/10	TPH
Chlorobenzene	PPBv	ND	0.10		04/01/10	TPH
Chlorodibromomethane	PPBv	ND	0.10		04/01/10	TPH
Chloroethane	PPBv	0.60	0.10		04/01/10	TPH
Chloroform	PPBv	0.22	0.10		04/01/10	TPH
Chloromethane	PPBv	ND	0.10		04/01/10	TPH
Cyclohexane	PPBv	ND	0.10		04/01/10	TPH
1,2-Dibromoethane	PPBv	ND	0.10		04/01/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
Dichlorodifluoromethane	PPBv	0.30	0.10		04/01/10	TPH
1,1-Dichloroethane	PPBv	21	0.10		04/01/10	TPH
1,2-Dichloroethane	PPBv	ND	0.10		04/01/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.10		04/01/10	TPH
cis-1,2-Dichloroethylene	PPBv	29	0.10		04/01/10	TPH
t-1,2-Dichloroethylene	PPBv	5.5	0.10		04/01/10	TPH
1,2-Dichloropropane	PPBv	ND	0.10		04/01/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.10		04/01/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.10		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.10		04/01/10	TPH
Ethanol	PPBv	19	0.10		04/01/10	TPH
Ethyl Acetate	PPBv	ND	0.10		04/01/10	TPH
Ethylbenzene	PPBv	0.13	0.10		04/01/10	TPH
4-Ethyl Toluene	PPBv	ND	0.10		04/01/10	TPH
n-Heptane	PPBv	ND	0.10		04/01/10	TPH

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

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-7-032610

Sample ID : 10B00050 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.20		04/01/10	TPH
Hexane	PPBv	ND	0.10		04/01/10	TPH
2-Hexanone	PPBv	ND	0.10		04/01/10	TPH
Isopropanol	PPBv	32	0.10		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.10		04/01/10	TPH
Methylene Chloride	PPBv	ND	0.40		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.10		04/01/10	TPH
Propene	PPBv	ND	0.40		04/01/10	TPH
Styrene	PPBv	ND	0.10		04/01/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.10		04/01/10	TPH
Tetrachloroethylene	PPBv	11	0.10		04/01/10	TPH
Tetrahydrofuran	PPBv	970	0.10		04/01/10	TPH
Toluene	PPBv	1.4	0.10		04/01/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.20		04/01/10	TPH
1,1,1-Trichloroethane	PPBv	9.3	0.10		04/01/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.10		04/01/10	TPH
Trichloroethylene	PPBv	35	0.10		04/01/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	38	0.10		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.10		04/01/10	TPH
1,2,4-Trimethylbenzene	PPBv	0.52	0.10		04/01/10	TPH
1,3,5-Trimethylbenzene	PPBv	0.23	0.10		04/01/10	TPH
Vinyl Acetate	PPBv	ND	0.20		04/01/10	TPH
Vinyl Chloride	PPBv	0.40	0.10		04/01/10	TPH
m/p-Xylene	PPBv	0.33	0.20		04/01/10	TPH
o-Xylene	PPBv	0.15	0.10		04/01/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	26	0.24		04/01/10	TPH
Benzene	ug/m3	1.5	0.32		04/01/10	TPH
Benzyl Chloride	ug/m3	ND	0.52		04/01/10	TPH
Bromodichloromethane	ug/m3	ND	0.66		04/01/10	TPH
Bromoform	ug/m3	ND	1.1		04/01/10	TPH
Bromomethane	ug/m3	ND	0.38		04/01/10	TPH
1,3-Butadiene	ug/m3	ND	0.22		04/01/10	TPH
2-Butanone (MEK)	ug/m3	31	0.30		04/01/10	TPH
Carbon Disulfide	ug/m3	1.5	0.32		04/01/10	TPH

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* = 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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-7-032610

Sample ID : 10B00050 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Chlorobenzene	ug/m3	ND	0.46		04/01/10	TPH
Chlorodibromomethane	ug/m3	ND	0.86		04/01/10	TPH
Chloroethane	ug/m3	1.6	0.26		04/01/10	TPH
Chloroform	ug/m3	1.1	0.48		04/01/10	TPH
Chloromethane	ug/m3	ND	0.20		04/01/10	TPH
Cyclohexane	ug/m3	ND	0.34		04/01/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.76		04/01/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.60		04/01/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.60		04/01/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.60		04/01/10	TPH
Dichlorodifluoromethane	ug/m3	1.5	0.50		04/01/10	TPH
1,1-Dichloroethane	ug/m3	85	0.40		04/01/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.40		04/01/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.40		04/01/10	TPH
cis-1,2-Dichloroethylene	ug/m3	120	0.40		04/01/10	TPH
t-1,2-Dichloroethylene	ug/m3	22	0.40		04/01/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.46		04/01/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.44		04/01/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.44		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.70		04/01/10	TPH
Ethanol	ug/m3	37	0.18		04/01/10	TPH
Ethyl Acetate	ug/m3	ND	0.36		04/01/10	TPH
Ethylbenzene	ug/m3	0.57	0.44		04/01/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.50		04/01/10	TPH
n-Heptane	ug/m3	ND	0.40		04/01/10	TPH
Hexachlorobutadiene	ug/m3	ND	2.2		04/01/10	TPH
Hexane	ug/m3	ND	0.36		04/01/10	TPH
2-Hexanone	ug/m3	ND	0.40		04/01/10	TPH
Isopropanol	ug/m3	80	0.24		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.36		04/01/10	TPH
Methylene Chloride	ug/m3	ND	1.4		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.40		04/01/10	TPH
Propene	ug/m3	ND	0.69		04/01/10	TPH
Styrene	ug/m3	ND	0.42		04/01/10	TPH

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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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : EW-7-032610

Sample ID : 10B00050 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Tetrachloroethylene	ug/m3	74	0.68		04/01/10	TPH
Tetrahydrofuran	ug/m3	2800	0.30		04/01/10	TPH
Toluene	ug/m3	5.4	0.38		04/01/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	1.5		04/01/10	TPH
1,1,1-Trichloroethane	ug/m3	51	0.54		04/01/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.54		04/01/10	TPH
Trichloroethylene	ug/m3	190	0.54		04/01/10	TPH
Trichlorofluoromethane	ug/m3	210	0.56		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	0.76		04/01/10	TPH
1,2,4-Trimethylbenzene	ug/m3	2.5	0.50		04/01/10	TPH
1,3,5-Trimethylbenzene	ug/m3	1.1	0.50		04/01/10	TPH
Vinyl Acetate	ug/m3	ND	0.71		04/01/10	TPH
Vinyl Chloride	ug/m3	1.0	0.26		04/01/10	TPH
m/p-Xylene	ug/m3	1.4	0.86		04/01/10	TPH
o-Xylene	ug/m3	0.65	0.44		04/01/10	TPH

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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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-1-032610

Sample ID : 10B00042 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.0	0.05		04/01/10	TPH
Benzene	PPBv	0.19	0.05		04/01/10	TPH
Benzyl Chloride	PPBv	ND	0.05		04/01/10	TPH
Bromodichloromethane	PPBv	ND	0.05		04/01/10	TPH
Bromoform	PPBv	ND	0.05		04/01/10	TPH
Bromomethane	PPBv	ND	0.05		04/01/10	TPH
1,3-Butadiene	PPBv	ND	0.05		04/01/10	TPH
2-Butanone (MEK)	PPBv	0.45	0.05		04/01/10	TPH
Carbon Disulfide	PPBv	ND	0.05		04/01/10	TPH
Carbon Tetrachloride	PPBv	0.07	0.05		04/01/10	TPH
Chlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		04/01/10	TPH
Chloroethane	PPBv	ND	0.05		04/01/10	TPH
Chloroform	PPBv	ND	0.05		04/01/10	TPH
Chloromethane	PPBv	0.61	0.05		04/01/10	TPH
Cyclohexane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Dichlorodifluoromethane	PPBv	0.32	0.05		04/01/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		04/01/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/01/10	TPH
Ethanol	PPBv	2.4	0.05		04/01/10	TPH
Ethyl Acetate	PPBv	ND	0.05		04/01/10	TPH
Ethylbenzene	PPBv	ND	0.05		04/01/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		04/01/10	TPH
n-Heptane	PPBv	ND	0.05		04/01/10	TPH

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

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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-1-032610

Sample ID : 10B00042 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Hexane	PPBv	0.06	0.05		04/01/10	TPH
2-Hexanone	PPBv	0.06	0.05		04/01/10	TPH
Isopropanol	PPBv	0.26	0.05		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/01/10	TPH
Methylene Chloride	PPBv	ND	0.20		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/01/10	TPH
Propene	PPBv	ND	0.20		04/01/10	TPH
Styrene	PPBv	ND	0.05		04/01/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/01/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		04/01/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		04/01/10	TPH
Toluene	PPBv	0.21	0.05		04/01/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
1,1,1-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
Trichloroethylene	PPBv	ND	0.05		04/01/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.25	0.05		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		04/01/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
Vinyl Acetate	PPBv	ND	0.10		04/01/10	TPH
Vinyl Chloride	PPBv	ND	0.05		04/01/10	TPH
m/p-Xylene	PPBv	0.11	0.10		04/01/10	TPH
o-Xylene	PPBv	ND	0.05		04/01/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	7.0	0.12		04/01/10	TPH
Benzene	ug/m3	0.59	0.16		04/01/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		04/01/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		04/01/10	TPH
Bromoform	ug/m3	ND	0.51		04/01/10	TPH
Bromomethane	ug/m3	ND	0.19		04/01/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		04/01/10	TPH
2-Butanone (MEK)	ug/m3	1.3	0.15		04/01/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		04/01/10	TPH

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



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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-1-032610

Sample ID : 10B00042 ‡Sampled : 3/26/2010
 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	0.44	0.31		04/01/10	TPH
Chlorobenzene	ug/m3	ND	0.23		04/01/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		04/01/10	TPH
Chloroethane	ug/m3	ND	0.13		04/01/10	TPH
Chloroform	ug/m3	ND	0.24		04/01/10	TPH
Chloromethane	ug/m3	1.3	0.10		04/01/10	TPH
Cyclohexane	ug/m3	ND	0.17		04/01/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		04/01/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
Dichlorodifluoromethane	ug/m3	1.6	0.25		04/01/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		04/01/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/01/10	TPH
Ethanol	ug/m3	4.6	0.09		04/01/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		04/01/10	TPH
Ethylbenzene	ug/m3	ND	0.22		04/01/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		04/01/10	TPH
n-Heptane	ug/m3	ND	0.20		04/01/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		04/01/10	TPH
Hexane	ug/m3	0.20	0.18		04/01/10	TPH
2-Hexanone	ug/m3	0.27	0.20		04/01/10	TPH
Isopropanol	ug/m3	0.65	0.12		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/01/10	TPH
Methylene Chloride	ug/m3	ND	0.70		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/01/10	TPH
Propene	ug/m3	ND	0.35		04/01/10	TPH
Styrene	ug/m3	ND	0.21		04/01/10	TPH

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

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 107 AUDUBON ROAD, BLDG. 2, SUITE 301
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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-1-032610

Sample ID : 10B00042 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		04/01/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		04/01/10	TPH
Toluene	ug/m3	0.80	0.19		04/01/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		04/01/10	TPH
1,1,1-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
Trichloroethylene	ug/m3	ND	0.27		04/01/10	TPH
Trichlorofluoromethane	ug/m3	1.4	0.28		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.55	0.38		04/01/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		04/01/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		04/01/10	TPH
m/p-Xylene	ug/m3	0.50	0.43		04/01/10	TPH
o-Xylene	ug/m3	ND	0.22		04/01/10	TPH

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

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-2-032610

Sample ID : 10B00043 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2.6	0.05		04/01/10	TPH
Benzene	PPBv	0.18	0.05		04/01/10	TPH
Benzyl Chloride	PPBv	ND	0.05		04/01/10	TPH
Bromodichloromethane	PPBv	ND	0.05		04/01/10	TPH
Bromoform	PPBv	ND	0.05		04/01/10	TPH
Bromomethane	PPBv	ND	0.05		04/01/10	TPH
1,3-Butadiene	PPBv	ND	0.05		04/01/10	TPH
2-Butanone (MEK)	PPBv	0.32	0.05		04/01/10	TPH
Carbon Disulfide	PPBv	ND	0.05		04/01/10	TPH
Carbon Tetrachloride	PPBv	0.07	0.05		04/01/10	TPH
Chlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		04/01/10	TPH
Chloroethane	PPBv	ND	0.05		04/01/10	TPH
Chloroform	PPBv	ND	0.05		04/01/10	TPH
Chloromethane	PPBv	0.61	0.05		04/01/10	TPH
Cyclohexane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Dichlorodifluoromethane	PPBv	0.32	0.05		04/01/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		04/01/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/01/10	TPH
Ethanol	PPBv	2.3	0.05		04/01/10	TPH
Ethyl Acetate	PPBv	ND	0.05		04/01/10	TPH
Ethylbenzene	PPBv	ND	0.05		04/01/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		04/01/10	TPH
n-Heptane	PPBv	ND	0.05		04/01/10	TPH

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-2-032610

Sample ID : 10B00043 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.10		04/01/10	TPH
Hexane	PPBv	0.08	0.05		04/01/10	TPH
2-Hexanone	PPBv	ND	0.05		04/01/10	TPH
Isopropanol	PPBv	0.26	0.05		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/01/10	TPH
Methylene Chloride	PPBv	ND	0.20		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/01/10	TPH
Propene	PPBv	ND	0.20		04/01/10	TPH
Styrene	PPBv	ND	0.05		04/01/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/01/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		04/01/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		04/01/10	TPH
Toluene	PPBv	0.21	0.05		04/01/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
1,1,1-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
Trichloroethylene	PPBv	ND	0.05		04/01/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.25	0.05		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		04/01/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
Vinyl Acetate	PPBv	ND	0.10		04/01/10	TPH
Vinyl Chloride	PPBv	ND	0.05		04/01/10	TPH
m/p-Xylene	PPBv	0.11	0.10		04/01/10	TPH
o-Xylene	PPBv	ND	0.05		04/01/10	TPH
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	6.3	0.12		04/01/10	TPH
Benzene	ug/m3	0.58	0.16		04/01/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		04/01/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		04/01/10	TPH
Bromoform	ug/m3	ND	0.51		04/01/10	TPH
Bromomethane	ug/m3	ND	0.19		04/01/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		04/01/10	TPH
2-Butanone (MEK)	ug/m3	0.96	0.15		04/01/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		04/01/10	TPH

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

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-2-032610

Sample ID : 10B00043 ‡Sampled : 3/26/2010
 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	0.43	0.31		04/01/10	TPH
Chlorobenzene	ug/m3	ND	0.23		04/01/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		04/01/10	TPH
Chloroethane	ug/m3	ND	0.13		04/01/10	TPH
Chloroform	ug/m3	ND	0.24		04/01/10	TPH
Chloromethane	ug/m3	1.3	0.10		04/01/10	TPH
Cyclohexane	ug/m3	ND	0.17		04/01/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		04/01/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
Dichlorodifluoromethane	ug/m3	1.6	0.25		04/01/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		04/01/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/01/10	TPH
Ethanol	ug/m3	4.4	0.09		04/01/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		04/01/10	TPH
Ethylbenzene	ug/m3	ND	0.22		04/01/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		04/01/10	TPH
n-Heptane	ug/m3	ND	0.20		04/01/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		04/01/10	TPH
Hexane	ug/m3	0.27	0.18		04/01/10	TPH
2-Hexanone	ug/m3	ND	0.20		04/01/10	TPH
Isopropanol	ug/m3	0.63	0.12		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/01/10	TPH
Methylene Chloride	ug/m3	ND	0.70		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/01/10	TPH
Propene	ug/m3	ND	0.35		04/01/10	TPH
Styrene	ug/m3	ND	0.21		04/01/10	TPH

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NM = Not Measured

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

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-2-032610

Sample ID : 10B00043 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		04/01/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		04/01/10	TPH
Toluene	ug/m3	0.80	0.19		04/01/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		04/01/10	TPH
1,1,1-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
Trichloroethylene	ug/m3	ND	0.27		04/01/10	TPH
Trichlorofluoromethane	ug/m3	1.4	0.28		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.51	0.38		04/01/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		04/01/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		04/01/10	TPH
m/p-Xylene	ug/m3	0.47	0.43		04/01/10	TPH
o-Xylene	ug/m3	ND	0.22		04/01/10	TPH

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NM = Not Measured

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

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-3-032610

Sample ID : 10B00044 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	1.6	0.05		04/01/10	TPH
Benzene	PPBv	0.19	0.05		04/01/10	TPH
Benzyl Chloride	PPBv	ND	0.05		04/01/10	TPH
Bromodichloromethane	PPBv	ND	0.05		04/01/10	TPH
Bromoform	PPBv	ND	0.05		04/01/10	TPH
Bromomethane	PPBv	ND	0.05		04/01/10	TPH
1,3-Butadiene	PPBv	ND	0.05		04/01/10	TPH
2-Butanone (MEK)	PPBv	0.17	0.05		04/01/10	TPH
Carbon Disulfide	PPBv	ND	0.05		04/01/10	TPH
Carbon Tetrachloride	PPBv	0.07	0.05		04/01/10	TPH
Chlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		04/01/10	TPH
Chloroethane	PPBv	ND	0.05		04/01/10	TPH
Chloroform	PPBv	ND	0.05		04/01/10	TPH
Chloromethane	PPBv	0.54	0.05		04/01/10	TPH
Cyclohexane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Dichlorodifluoromethane	PPBv	0.32	0.05		04/01/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		04/01/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/01/10	TPH
Ethanol	PPBv	1.9	0.05		04/01/10	TPH
Ethyl Acetate	PPBv	ND	0.05		04/01/10	TPH
Ethylbenzene	PPBv	ND	0.05		04/01/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		04/01/10	TPH
n-Heptane	PPBv	ND	0.05		04/01/10	TPH

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

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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-3-032610

Sample ID : 10B00044 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Hexane	PPBv	0.05	0.05		04/01/10	TPH
2-Hexanone	PPBv	ND	0.05		04/01/10	TPH
Isopropanol	PPBv	0.26	0.05		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/01/10	TPH
Methylene Chloride	PPBv	ND	0.20		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/01/10	TPH
Propene	PPBv	ND	0.20		04/01/10	TPH
Styrene	PPBv	ND	0.05		04/01/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/01/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		04/01/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		04/01/10	TPH
Toluene	PPBv	0.22	0.05		04/01/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
1,1,1-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
Trichloroethylene	PPBv	ND	0.05		04/01/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		04/01/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
Vinyl Acetate	PPBv	ND	0.10		04/01/10	TPH
Vinyl Chloride	PPBv	ND	0.05		04/01/10	TPH
m/p-Xylene	PPBv	0.11	0.10		04/01/10	TPH
o-Xylene	PPBv	ND	0.05		04/01/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	3.8	0.12		04/01/10	TPH
Benzene	ug/m3	0.60	0.16		04/01/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		04/01/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		04/01/10	TPH
Bromoform	ug/m3	ND	0.51		04/01/10	TPH
Bromomethane	ug/m3	ND	0.19		04/01/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		04/01/10	TPH
2-Butanone (MEK)	ug/m3	0.51	0.15		04/01/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		04/01/10	TPH

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

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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-3-032610

Sample ID : 10B00044 ‡Sampled : 3/26/2010
 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	0.43	0.31		04/01/10	TPH
Chlorobenzene	ug/m3	ND	0.23		04/01/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		04/01/10	TPH
Chloroethane	ug/m3	ND	0.13		04/01/10	TPH
Chloroform	ug/m3	ND	0.24		04/01/10	TPH
Chloromethane	ug/m3	1.1	0.10		04/01/10	TPH
Cyclohexane	ug/m3	ND	0.17		04/01/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		04/01/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
Dichlorodifluoromethane	ug/m3	1.6	0.25		04/01/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		04/01/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/01/10	TPH
Ethanol	ug/m3	3.6	0.09		04/01/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		04/01/10	TPH
Ethylbenzene	ug/m3	ND	0.22		04/01/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		04/01/10	TPH
n-Heptane	ug/m3	ND	0.20		04/01/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		04/01/10	TPH
Hexane	ug/m3	0.19	0.18		04/01/10	TPH
2-Hexanone	ug/m3	ND	0.20		04/01/10	TPH
Isopropanol	ug/m3	0.64	0.12		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/01/10	TPH
Methylene Chloride	ug/m3	ND	0.70		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/01/10	TPH
Propene	ug/m3	ND	0.35		04/01/10	TPH
Styrene	ug/m3	ND	0.21		04/01/10	TPH

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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-3-032610

Sample ID : 10B00044 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		04/01/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		04/01/10	TPH
Toluene	ug/m3	0.81	0.19		04/01/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		04/01/10	TPH
1,1,1-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
Trichloroethylene	ug/m3	ND	0.27		04/01/10	TPH
Trichlorofluoromethane	ug/m3	1.3	0.28		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.57	0.38		04/01/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		04/01/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		04/01/10	TPH
m/p-Xylene	ug/m3	0.46	0.43		04/01/10	TPH
o-Xylene	ug/m3	ND	0.22		04/01/10	TPH

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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-4-032610

Sample ID : 10B00045 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2.9	0.05		04/01/10	TPH
Benzene	PPBv	0.18	0.05		04/01/10	TPH
Benzyl Chloride	PPBv	ND	0.05		04/01/10	TPH
Bromodichloromethane	PPBv	ND	0.05		04/01/10	TPH
Bromoform	PPBv	ND	0.05		04/01/10	TPH
Bromomethane	PPBv	ND	0.05		04/01/10	TPH
1,3-Butadiene	PPBv	ND	0.05		04/01/10	TPH
2-Butanone (MEK)	PPBv	0.56	0.05		04/01/10	TPH
Carbon Disulfide	PPBv	ND	0.05		04/01/10	TPH
Carbon Tetrachloride	PPBv	0.07	0.05		04/01/10	TPH
Chlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		04/01/10	TPH
Chloroethane	PPBv	ND	0.05		04/01/10	TPH
Chloroform	PPBv	ND	0.05		04/01/10	TPH
Chloromethane	PPBv	0.55	0.05		04/01/10	TPH
Cyclohexane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Dichlorodifluoromethane	PPBv	0.34	0.05		04/01/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		04/01/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/01/10	TPH
Ethanol	PPBv	2.1	0.05		04/01/10	TPH
Ethyl Acetate	PPBv	ND	0.05		04/01/10	TPH
Ethylbenzene	PPBv	ND	0.05		04/01/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		04/01/10	TPH
n-Heptane	PPBv	ND	0.05		04/01/10	TPH

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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-4-032610

Sample ID : 10B00045 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Hexane	PPBv	0.05	0.05		04/01/10	TPH
2-Hexanone	PPBv	ND	0.05		04/01/10	TPH
Isopropanol	PPBv	0.27	0.05		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/01/10	TPH
Methylene Chloride	PPBv	ND	0.20		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/01/10	TPH
Propene	PPBv	ND	0.20		04/01/10	TPH
Styrene	PPBv	ND	0.05		04/01/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/01/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		04/01/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		04/01/10	TPH
Toluene	PPBv	0.22	0.05		04/01/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
1,1,1-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
Trichloroethylene	PPBv	ND	0.05		04/01/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.26	0.05		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.17	0.05		04/01/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
Vinyl Acetate	PPBv	ND	0.10		04/01/10	TPH
Vinyl Chloride	PPBv	ND	0.05		04/01/10	TPH
m/p-Xylene	PPBv	0.11	0.10		04/01/10	TPH
o-Xylene	PPBv	ND	0.05		04/01/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	6.9	0.12		04/01/10	TPH
Benzene	ug/m3	0.57	0.16		04/01/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		04/01/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		04/01/10	TPH
Bromoform	ug/m3	ND	0.51		04/01/10	TPH
Bromomethane	ug/m3	ND	0.19		04/01/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		04/01/10	TPH
2-Butanone (MEK)	ug/m3	1.6	0.15		04/01/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		04/01/10	TPH

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
Job Number: 3650080114

Field Sample # : IA-4-032610

Sample ID : **10B00045** ‡Sampled : 3/26/2010
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	0.43	0.31		04/01/10	TPH
Chlorobenzene	ug/m3	ND	0.23		04/01/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		04/01/10	TPH
Chloroethane	ug/m3	ND	0.13		04/01/10	TPH
Chloroform	ug/m3	ND	0.24		04/01/10	TPH
Chloromethane	ug/m3	1.1	0.10		04/01/10	TPH
Cyclohexane	ug/m3	ND	0.17		04/01/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		04/01/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
Dichlorodifluoromethane	ug/m3	1.7	0.25		04/01/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		04/01/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/01/10	TPH
Ethanol	ug/m3	3.9	0.09		04/01/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		04/01/10	TPH
Ethylbenzene	ug/m3	ND	0.22		04/01/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		04/01/10	TPH
n-Heptane	ug/m3	ND	0.20		04/01/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		04/01/10	TPH
Hexane	ug/m3	0.19	0.18		04/01/10	TPH
2-Hexanone	ug/m3	ND	0.20		04/01/10	TPH
Isopropanol	ug/m3	0.66	0.12		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/01/10	TPH
Methylene Chloride	ug/m3	ND	0.70		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/01/10	TPH
Propene	ug/m3	ND	0.35		04/01/10	TPH
Styrene	ug/m3	ND	0.21		04/01/10	TPH

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

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-4-032610

Sample ID : 10B00045 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		04/01/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		04/01/10	TPH
Toluene	ug/m3	0.83	0.19		04/01/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		04/01/10	TPH
1,1,1-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
Trichloroethylene	ug/m3	ND	0.27		04/01/10	TPH
Trichlorofluoromethane	ug/m3	1.5	0.28		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	1.3	0.38		04/01/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		04/01/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		04/01/10	TPH
m/p-Xylene	ug/m3	0.49	0.43		04/01/10	TPH
o-Xylene	ug/m3	ND	0.22		04/01/10	TPH

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NM = Not Measured

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-5-032610

Sample ID : 10B00046 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.8	0.05		04/01/10	TPH
Benzene	PPBv	0.20	0.05		04/01/10	TPH
Benzyl Chloride	PPBv	ND	0.05		04/01/10	TPH
Bromodichloromethane	PPBv	ND	0.05		04/01/10	TPH
Bromoform	PPBv	ND	0.05		04/01/10	TPH
Bromomethane	PPBv	ND	0.05		04/01/10	TPH
1,3-Butadiene	PPBv	ND	0.05		04/01/10	TPH
2-Butanone (MEK)	PPBv	0.52	0.05		04/01/10	TPH
Carbon Disulfide	PPBv	ND	0.05		04/01/10	TPH
Carbon Tetrachloride	PPBv	0.08	0.05		04/01/10	TPH
Chlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		04/01/10	TPH
Chloroethane	PPBv	ND	0.05		04/01/10	TPH
Chloroform	PPBv	ND	0.05		04/01/10	TPH
Chloromethane	PPBv	0.60	0.05		04/01/10	TPH
Cyclohexane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		04/01/10	TPH
Dichlorodifluoromethane	PPBv	0.36	0.05		04/01/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		04/01/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		04/01/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/01/10	TPH
Ethanol	PPBv	13	0.05		04/01/10	TPH
Ethyl Acetate	PPBv	ND	0.05		04/01/10	TPH
Ethylbenzene	PPBv	ND	0.05		04/01/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		04/01/10	TPH
n-Heptane	PPBv	ND	0.05		04/01/10	TPH

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-5-032610

Sample ID : 10B00046 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Hexane	PPBv	0.12	0.05		04/01/10	TPH
2-Hexanone	PPBv	0.06	0.05		04/01/10	TPH
Isopropanol	PPBv	1.6	0.05		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/01/10	TPH
Methylene Chloride	PPBv	0.63	0.05		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/01/10	TPH
Propene	PPBv	ND	0.20		04/01/10	TPH
Styrene	PPBv	0.08	0.05		04/01/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/01/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		04/01/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		04/01/10	TPH
Toluene	PPBv	0.41	0.05		04/01/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		04/01/10	TPH
1,1,1-Trichloroethane	PPBv	0.07	0.05		04/01/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		04/01/10	TPH
Trichloroethylene	PPBv	ND	0.05		04/01/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		04/01/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/01/10	TPH
Vinyl Acetate	PPBv	ND	0.10		04/01/10	TPH
Vinyl Chloride	PPBv	ND	0.05		04/01/10	TPH
m/p-Xylene	PPBv	0.11	0.10		04/01/10	TPH
o-Xylene	PPBv	ND	0.05		04/01/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	11	0.12		04/01/10	TPH
Benzene	ug/m3	0.65	0.16		04/01/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		04/01/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		04/01/10	TPH
Bromoform	ug/m3	ND	0.51		04/01/10	TPH
Bromomethane	ug/m3	ND	0.19		04/01/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		04/01/10	TPH
2-Butanone (MEK)	ug/m3	1.5	0.15		04/01/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		04/01/10	TPH

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-5-032610

Sample ID : 10B00046 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Chlorobenzene	ug/m3	ND	0.23		04/01/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		04/01/10	TPH
Chloroethane	ug/m3	ND	0.13		04/01/10	TPH
Chloroform	ug/m3	ND	0.24		04/01/10	TPH
Chloromethane	ug/m3	1.2	0.10		04/01/10	TPH
Cyclohexane	ug/m3	ND	0.17		04/01/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		04/01/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/01/10	TPH
Dichlorodifluoromethane	ug/m3	1.8	0.25		04/01/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		04/01/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/01/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		04/01/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/01/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/01/10	TPH
Ethanol	ug/m3	25	0.09		04/01/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		04/01/10	TPH
Ethylbenzene	ug/m3	ND	0.22		04/01/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		04/01/10	TPH
n-Heptane	ug/m3	ND	0.20		04/01/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		04/01/10	TPH
Hexane	ug/m3	0.43	0.18		04/01/10	TPH
2-Hexanone	ug/m3	0.23	0.20		04/01/10	TPH
Isopropanol	ug/m3	3.8	0.12		04/01/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/01/10	TPH
Methylene Chloride	ug/m3	2.2	0.17		04/01/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/01/10	TPH
Propene	ug/m3	ND	0.35		04/01/10	TPH
Styrene	ug/m3	0.35	0.21		04/01/10	TPH

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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-5-032610

Sample ID : 10B00046 ‡Sampled : 3/26/2010
 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		04/01/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		04/01/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		04/01/10	TPH
Toluene	ug/m3	1.5	0.19		04/01/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		04/01/10	TPH
1,1,1-Trichloroethane	ug/m3	0.38	0.27		04/01/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/01/10	TPH
Trichloroethylene	ug/m3	ND	0.27		04/01/10	TPH
Trichlorofluoromethane	ug/m3	1.4	0.28		04/01/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.55	0.38		04/01/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/01/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		04/01/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		04/01/10	TPH
m/p-Xylene	ug/m3	0.46	0.43		04/01/10	TPH
o-Xylene	ug/m3	ND	0.22		04/01/10	TPH

RL = Reporting Limit

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NM = Not Measured

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-6-032610

Sample ID : 10B00047 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2.7	0.05		03/31/10	TPH
Benzene	PPBv	0.17	0.05		03/31/10	TPH
Benzyl Chloride	PPBv	ND	0.05		03/31/10	TPH
Bromodichloromethane	PPBv	ND	0.05		03/31/10	TPH
Bromoform	PPBv	ND	0.05		03/31/10	TPH
Bromomethane	PPBv	ND	0.05		03/31/10	TPH
1,3-Butadiene	PPBv	ND	0.05		03/31/10	TPH
2-Butanone (MEK)	PPBv	0.48	0.05		03/31/10	TPH
Carbon Disulfide	PPBv	ND	0.05		03/31/10	TPH
Carbon Tetrachloride	PPBv	0.07	0.05		03/31/10	TPH
Chlorobenzene	PPBv	ND	0.05		03/31/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		03/31/10	TPH
Chloroethane	PPBv	ND	0.05		03/31/10	TPH
Chloroform	PPBv	ND	0.05		03/31/10	TPH
Chloromethane	PPBv	0.66	0.05		03/31/10	TPH
Cyclohexane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
Dichlorodifluoromethane	PPBv	0.33	0.05		03/31/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		03/31/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/31/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/31/10	TPH
Ethanol	PPBv	3.8	0.05		03/31/10	TPH
Ethyl Acetate	PPBv	ND	0.05		03/31/10	TPH
Ethylbenzene	PPBv	ND	0.05		03/31/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		03/31/10	TPH
n-Heptane	PPBv	ND	0.05		03/31/10	TPH

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-6-032610

Sample ID : 10B00047 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.10		03/31/10	TPH
Hexane	PPBv	0.06	0.05		03/31/10	TPH
2-Hexanone	PPBv	0.06	0.05		03/31/10	TPH
Isopropanol	PPBv	2.0	0.05		03/31/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/31/10	TPH
Methylene Chloride	PPBv	ND	0.20		03/31/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/31/10	TPH
Propene	PPBv	ND	0.20		03/31/10	TPH
Styrene	PPBv	ND	0.05		03/31/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/31/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		03/31/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		03/31/10	TPH
Toluene	PPBv	0.42	0.05		03/31/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		03/31/10	TPH
1,1,1-Trichloroethane	PPBv	0.06	0.05		03/31/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		03/31/10	TPH
Trichloroethylene	PPBv	ND	0.05		03/31/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		03/31/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		03/31/10	TPH
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/31/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/31/10	TPH
Vinyl Acetate	PPBv	ND	0.10		03/31/10	TPH
Vinyl Chloride	PPBv	ND	0.05		03/31/10	TPH
m/p-Xylene	PPBv	0.12	0.10		03/31/10	TPH
o-Xylene	PPBv	ND	0.05		03/31/10	TPH
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	6.5	0.12		03/31/10	TPH
Benzene	ug/m3	0.55	0.16		03/31/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		03/31/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		03/31/10	TPH
Bromoform	ug/m3	ND	0.51		03/31/10	TPH
Bromomethane	ug/m3	ND	0.19		03/31/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		03/31/10	TPH
2-Butanone (MEK)	ug/m3	1.4	0.15		03/31/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		03/31/10	TPH

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



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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-6-032610

Sample ID : 10B00047 ‡Sampled : 3/26/2010
 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	0.43	0.31		03/31/10	TPH
Chlorobenzene	ug/m3	ND	0.23		03/31/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		03/31/10	TPH
Chloroethane	ug/m3	ND	0.13		03/31/10	TPH
Chloroform	ug/m3	ND	0.24		03/31/10	TPH
Chloromethane	ug/m3	1.4	0.10		03/31/10	TPH
Cyclohexane	ug/m3	ND	0.17		03/31/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		03/31/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
Dichlorodifluoromethane	ug/m3	1.6	0.25		03/31/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		03/31/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		03/31/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		03/31/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/31/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/31/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/31/10	TPH
Ethanol	ug/m3	7.1	0.09		03/31/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		03/31/10	TPH
Ethylbenzene	ug/m3	ND	0.22		03/31/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		03/31/10	TPH
n-Heptane	ug/m3	ND	0.20		03/31/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		03/31/10	TPH
Hexane	ug/m3	0.22	0.18		03/31/10	TPH
2-Hexanone	ug/m3	0.26	0.20		03/31/10	TPH
Isopropanol	ug/m3	4.9	0.12		03/31/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/31/10	TPH
Methylene Chloride	ug/m3	ND	0.70		03/31/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/31/10	TPH
Propene	ug/m3	ND	0.35		03/31/10	TPH
Styrene	ug/m3	ND	0.21		03/31/10	TPH

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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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-6-032610

Sample ID : 10B00047 ‡Sampled : 3/26/2010
 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		03/31/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		03/31/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		03/31/10	TPH
Toluene	ug/m3	1.6	0.19		03/31/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		03/31/10	TPH
1,1,1-Trichloroethane	ug/m3	0.35	0.27		03/31/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/31/10	TPH
Trichloroethylene	ug/m3	ND	0.27		03/31/10	TPH
Trichlorofluoromethane	ug/m3	1.3	0.28		03/31/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.55	0.38		03/31/10	TPH
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/31/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/31/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		03/31/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		03/31/10	TPH
m/p-Xylene	ug/m3	0.51	0.43		03/31/10	TPH
o-Xylene	ug/m3	ND	0.22		03/31/10	TPH

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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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-7-032610

Sample ID : 10B00048 ‡Sampled : 3/26/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.1	0.05		03/31/10	TPH
Benzene	PPBv	0.16	0.05		03/31/10	TPH
Benzyl Chloride	PPBv	ND	0.05		03/31/10	TPH
Bromodichloromethane	PPBv	ND	0.05		03/31/10	TPH
Bromoform	PPBv	ND	0.05		03/31/10	TPH
Bromomethane	PPBv	ND	0.05		03/31/10	TPH
1,3-Butadiene	PPBv	ND	0.05		03/31/10	TPH
2-Butanone (MEK)	PPBv	0.71	0.05		03/31/10	TPH
Carbon Disulfide	PPBv	ND	0.05		03/31/10	TPH
Carbon Tetrachloride	PPBv	0.07	0.05		03/31/10	TPH
Chlorobenzene	PPBv	ND	0.05		03/31/10	TPH
Chlorodibromomethane	PPBv	ND	0.05		03/31/10	TPH
Chloroethane	PPBv	ND	0.05		03/31/10	TPH
Chloroform	PPBv	ND	0.05		03/31/10	TPH
Chloromethane	PPBv	0.59	0.05		03/31/10	TPH
Cyclohexane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dibromoethane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
1,3-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
1,4-Dichlorobenzene	PPBv	ND	0.05		03/31/10	TPH
Dichlorodifluoromethane	PPBv	0.36	0.05		03/31/10	TPH
1,1-Dichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,1-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichloropropane	PPBv	ND	0.05		03/31/10	TPH
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/31/10	TPH
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/31/10	TPH
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/31/10	TPH
Ethanol	PPBv	6.8	0.05		03/31/10	TPH
Ethyl Acetate	PPBv	ND	0.05		03/31/10	TPH
Ethylbenzene	PPBv	0.07	0.05		03/31/10	TPH
4-Ethyl Toluene	PPBv	ND	0.05		03/31/10	TPH
n-Heptane	PPBv	0.07	0.05		03/31/10	TPH

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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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-7-032610

Sample ID : 10B00048 ‡Sampled : 3/26/2010
 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		03/31/10	TPH
Hexane	PPBv	0.09	0.05		03/31/10	TPH
2-Hexanone	PPBv	ND	0.05		03/31/10	TPH
Isopropanol	PPBv	7.2	0.05		03/31/10	TPH
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/31/10	TPH
Methylene Chloride	PPBv	ND	0.20		03/31/10	TPH
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/31/10	TPH
Propene	PPBv	ND	0.20		03/31/10	TPH
Styrene	PPBv	0.06	0.05		03/31/10	TPH
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/31/10	TPH
Tetrachloroethylene	PPBv	ND	0.05		03/31/10	TPH
Tetrahydrofuran	PPBv	ND	0.05		03/31/10	TPH
Toluene	PPBv	1.9	0.05		03/31/10	TPH
1,2,4-Trichlorobenzene	PPBv	ND	0.10		03/31/10	TPH
1,1,1-Trichloroethane	PPBv	ND	0.05		03/31/10	TPH
1,1,2-Trichloroethane	PPBv	ND	0.05		03/31/10	TPH
Trichloroethylene	PPBv	ND	0.05		03/31/10	TPH
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		03/31/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		03/31/10	TPH
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		03/31/10	TPH
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/31/10	TPH
Vinyl Acetate	PPBv	ND	0.10		03/31/10	TPH
Vinyl Chloride	PPBv	ND	0.05		03/31/10	TPH
m/p-Xylene	PPBv	0.19	0.10		03/31/10	TPH
o-Xylene	PPBv	0.06	0.05		03/31/10	TPH
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	12	0.12		03/31/10	TPH
Benzene	ug/m3	0.53	0.16		03/31/10	TPH
Benzyl Chloride	ug/m3	ND	0.26		03/31/10	TPH
Bromodichloromethane	ug/m3	ND	0.33		03/31/10	TPH
Bromoform	ug/m3	ND	0.51		03/31/10	TPH
Bromomethane	ug/m3	ND	0.19		03/31/10	TPH
1,3-Butadiene	ug/m3	ND	0.11		03/31/10	TPH
2-Butanone (MEK)	ug/m3	2.1	0.15		03/31/10	TPH
Carbon Disulfide	ug/m3	ND	0.16		03/31/10	TPH

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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



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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-7-032610

Sample ID : 10B00048 ‡Sampled : 3/26/2010
 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	0.43	0.31		03/31/10	TPH
Chlorobenzene	ug/m3	ND	0.23		03/31/10	TPH
Chlorodibromomethane	ug/m3	ND	0.43		03/31/10	TPH
Chloroethane	ug/m3	ND	0.13		03/31/10	TPH
Chloroform	ug/m3	ND	0.24		03/31/10	TPH
Chloromethane	ug/m3	1.2	0.10		03/31/10	TPH
Cyclohexane	ug/m3	ND	0.17		03/31/10	TPH
1,2-Dibromoethane	ug/m3	ND	0.38		03/31/10	TPH
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/31/10	TPH
Dichlorodifluoromethane	ug/m3	1.8	0.25		03/31/10	TPH
1,1-Dichloroethane	ug/m3	ND	0.20		03/31/10	TPH
1,2-Dichloroethane	ug/m3	ND	0.20		03/31/10	TPH
1,1-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/31/10	TPH
1,2-Dichloropropane	ug/m3	ND	0.23		03/31/10	TPH
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/31/10	TPH
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/31/10	TPH
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/31/10	TPH
Ethanol	ug/m3	13	0.09		03/31/10	TPH
Ethyl Acetate	ug/m3	ND	0.18		03/31/10	TPH
Ethylbenzene	ug/m3	0.32	0.22		03/31/10	TPH
4-Ethyl Toluene	ug/m3	ND	0.25		03/31/10	TPH
n-Heptane	ug/m3	0.29	0.20		03/31/10	TPH
Hexachlorobutadiene	ug/m3	ND	1.1		03/31/10	TPH
Hexane	ug/m3	0.33	0.18		03/31/10	TPH
2-Hexanone	ug/m3	ND	0.20		03/31/10	TPH
Isopropanol	ug/m3	18	0.12		03/31/10	TPH
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/31/10	TPH
Methylene Chloride	ug/m3	ND	0.70		03/31/10	TPH
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/31/10	TPH
Propene	ug/m3	ND	0.35		03/31/10	TPH
Styrene	ug/m3	0.26	0.21		03/31/10	TPH

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Purchase Order No.: 200914545

Project Location: Providence, RI Gorham
 Date Received: 3/26/2010

LIMS-BAT #: LIMIT-25347
 Job Number: 3650080114

Field Sample # : IA-7-032610

Sample ID : 10B00048 ‡Sampled : 3/26/2010
 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		03/31/10	TPH
Tetrachloroethylene	ug/m3	ND	0.34		03/31/10	TPH
Tetrahydrofuran	ug/m3	ND	0.15		03/31/10	TPH
Toluene	ug/m3	7.2	0.19		03/31/10	TPH
1,2,4-Trichlorobenzene	ug/m3	ND	0.75		03/31/10	TPH
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/31/10	TPH
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/31/10	TPH
Trichloroethylene	ug/m3	ND	0.27		03/31/10	TPH
Trichlorofluoromethane	ug/m3	1.3	0.28		03/31/10	TPH
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		03/31/10	TPH
1,2,4-Trimethylbenzene	ug/m3	0.35	0.25		03/31/10	TPH
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/31/10	TPH
Vinyl Acetate	ug/m3	ND	0.36		03/31/10	TPH
Vinyl Chloride	ug/m3	ND	0.13		03/31/10	TPH
m/p-Xylene	ug/m3	0.82	0.43		03/31/10	TPH
o-Xylene	ug/m3	0.28	0.22		03/31/10	TPH

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WAKEFIELD, MA 01880

Project Location: Providence, RI Gorham

Date Received: 3/26/2010

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LIMS-BAT #: LIMIT-25347

Job Number: 3650080114

** END OF REPORT **

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NM = Not Measured

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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

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 4/6/2010

Lims Bat # : LIMIT-25347

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QC Batch Number: BATCH-16674

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00042	4-Bromofluorobenzene	Surrogate Recovery	88.62	%	70-130
10B00043	4-Bromofluorobenzene	Surrogate Recovery	90.12	%	70-130
10B00044	4-Bromofluorobenzene	Surrogate Recovery	89.12	%	70-130
10B00045	4-Bromofluorobenzene	Surrogate Recovery	89.00	%	70-130
10B00046	4-Bromofluorobenzene	Surrogate Recovery	96.62	%	70-130
10B00047	4-Bromofluorobenzene	Surrogate Recovery	88.62	%	70-130
10B00048	Acetone	Sample Amount	12.20	ug/m3	
		Duplicate Value	11.97	ug/m3	
		Duplicate RPD	1.96	%	
	Benzene	Sample Amount	0.52	ug/m3	
		Duplicate Value	0.53	ug/m3	
		Duplicate RPD	1.80	%	
	Carbon Tetrachloride	Sample Amount	0.42	ug/m3	
		Duplicate Value	0.43	ug/m3	
		Duplicate RPD	1.45	%	
	Ethylbenzene	Sample Amount	0.32	ug/m3	
		Duplicate Value	0.30	ug/m3	
		Duplicate RPD	4.13	%	
	Hexane	Sample Amount	0.32	ug/m3	
		Duplicate Value	0.33	ug/m3	
		Duplicate RPD	2.12	%	
	Isopropanol	Sample Amount	17.78	ug/m3	
		Duplicate Value	17.61	ug/m3	
		Duplicate RPD	0.95	%	
	2-Butanone (MEK)	Sample Amount	2.09	ug/m3	
		Duplicate Value	2.13	ug/m3	
		Duplicate RPD	2.09	%	
	Styrene	Sample Amount	0.25	ug/m3	
		Duplicate Value	0.23	ug/m3	
		Duplicate RPD	6.89	%	
	Toluene	Sample Amount	7.19	ug/m3	
		Duplicate Value	7.09	ug/m3	
		Duplicate RPD	1.36	%	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	0.63	ug/m3	
		Duplicate Value	0.62	ug/m3	
		Duplicate RPD	1.21	%	
	Trichlorofluoromethane	Sample Amount	1.31	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 4/6/2010

Lims Bat # : LIMIT-25347

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QC Batch Number: BATCH-16674

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00048	Trichlorofluoromethane	Duplicate Value	1.33	ug/m3	
		Duplicate RPD	1.69	%	
	o-Xylene	Sample Amount	0.28	ug/m3	
		Duplicate Value	0.27	ug/m3	
		Duplicate RPD	1.55	%	
		Sample Amount	0.81	ug/m3	
	m/p-Xylene	Duplicate Value	0.79	ug/m3	
		Duplicate RPD	2.15	%	
	Ethanol	Sample Amount	12.77	ug/m3	
		Duplicate Value	12.50	ug/m3	
		Duplicate RPD	2.11	%	
		Sample Amount	1.21	ug/m3	
	Chloromethane	Duplicate Value	1.22	ug/m3	
		Duplicate RPD	1.18	%	
	1,2,4-Trimethylbenzene	Sample Amount	0.35	ug/m3	
		Duplicate Value	0.36	ug/m3	
		Duplicate RPD	4.08	%	
		Sample Amount	1.78	ug/m3	
	Dichlorodifluoromethane	Duplicate Value	1.71	ug/m3	
		Duplicate RPD	4.24	%	
	4-Bromofluorobenzene	Surrogate Recovery	90.00	%	70-130
		Sample Amount	0.29	ug/m3	
	n-Heptane	Duplicate Value	0.28	ug/m3	
		Duplicate RPD	1.41	%	
10B00049	4-Bromofluorobenzene	Surrogate Recovery	91.37	%	70-130
10B00050	4-Bromofluorobenzene	Surrogate Recovery	95.75	%	70-130
10B00051	4-Bromofluorobenzene	Surrogate Recovery	100.62	%	70-130
BLANK-133050	Acetone	Blank	0.64	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	<0.13	ug/m3	
	2-Butanone (MEK)	Blank	0.07	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<0.10	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 4/6/2010

Lims Bat # : LIMIT-25347

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QC Batch Number: BATCH-16674

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133050					
	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	<0.35	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	
	Hexachlorobutadiene	Blank	<0.54	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.38	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	<0.18	ug/m3	
	2-Hexanone	Blank	<0.10	ug/m3	
	Bromodichloromethane	Blank	<0.17	ug/m3	
	1,2-Dibromoethane	Blank	<0.19	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 4/6/2010

Lims Bat # : LIMIT-25347

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QC Batch Number: BATCH-16674

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133050					
	n-Heptane	Blank	<0.10	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.18	ug/m3	
	Tetrahydrofuran	Blank	<0.08	ug/m3	
	Propene	Blank	<0.18	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	
BLANK-133051					
	Acetone	Blank	<0.60	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	<0.13	ug/m3	
	2-Butanone (MEK)	Blank	<0.08	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	<0.35	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	



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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 4/6/2010

Lims Bat # : LIMIT-25347

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QC Batch Number: BATCH-16674

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133051					
	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	
	Hexachlorobutadiene	Blank	<0.54	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.38	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	<0.18	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	<0.18	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	
LFBLANK-95379					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	9.39	ug/m3	
		Lab Fort Blk. % Rec.	79.14	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	13.51	ug/m3	
		Lab Fort Blk. % Rec.	84.73	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	26.41	ug/m3	
		Lab Fort Blk. % Rec.	83.97	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	23.32	ug/m3	
		Lab Fort Blk. % Rec.	95.86	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	16.48	ug/m3	
		Lab Fort Blk. % Rec.	81.42	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	31.14	ug/m3	
		Lab Fort Blk. % Rec.	103.62	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 4/6/2010

Lims Bat # : LIMIT-25347

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QC Batch Number: BATCH-16674

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95379					
	Ethyl Acetate	Lab Fort Blk. Found	13.79	ug/m3	
		Lab Fort Blk. % Rec.	76.58	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	18.37	ug/m3	
		Lab Fort Blk. % Rec.	84.78	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	12.85	ug/m3	
		Lab Fort Blk. % Rec.	72.94	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	9.81	ug/m3	
		Lab Fort Blk. % Rec.	79.86	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	9.77	ug/m3	
		Lab Fort Blk. % Rec.	66.28	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	14.01	ug/m3	
		Lab Fort Blk. % Rec.	68.41	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	21.29	ug/m3	
		Lab Fort Blk. % Rec.	100.14	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	34.36	ug/m3	
		Lab Fort Blk. % Rec.	101.34	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	16.02	ug/m3	
		Lab Fort Blk. % Rec.	85.18	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	22.81	ug/m3	
		Lab Fort Blk. % Rec.	83.62	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	24.87	ug/m3	
		Lab Fort Blk. % Rec.	92.55	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	39.90	ug/m3	
		Lab Fort Blk. % Rec.	104.14	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	29.62	ug/m3	
		Lab Fort Blk. % Rec.	105.44	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	18.56	ug/m3	
		Lab Fort Blk. % Rec.	85.46	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	37.48	ug/m3	



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LFBLANK-95379					
	m/p-Xylene	Lab Fort Blk. % Rec.	86.29	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	31.66	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	105.34	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	30.59	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	101.78	%	70-130
		Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.29	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	90.36	%	70-130
		Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.42	ug/m3	
	Ethanol	Lab Fort Blk. % Rec.	87.84	%	70-130
		Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	7.06	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	74.95	%	50-150
		Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	23.92	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	97.34	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	17.04	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	94.55	%	70-130
		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	18.61	ug/m3	
	Vinyl Chloride	Lab Fort Blk. % Rec.	93.88	%	70-130
		Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	14.22	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	111.32	%	70-130
		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	12.92	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	74.44	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	21.47	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	93.26	%	70-130
		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	8.93	ug/m3	
	Bromomethane	Lab Fort Blk. % Rec.	86.58	%	70-130
		Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	21.78	ug/m3	
	Chloroethane	Lab Fort Blk. % Rec.	112.26	%	70-130
		Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	15.59	ug/m3	
		Lab Fort Blk. % Rec.	118.25	%	70-130



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LFBLANK-95379					
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	20.45	ug/m3	
		Lab Fort Blk. % Rec.	90.09	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	16.89	ug/m3	
		Lab Fort Blk. % Rec.	74.41	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	36.52	ug/m3	
		Lab Fort Blk. % Rec.	85.75	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	22.98	ug/m3	
		Lab Fort Blk. % Rec.	84.26	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	49.32	ug/m3	
		Lab Fort Blk. % Rec.	95.41	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	30.06	ug/m3	
		Lab Fort Blk. % Rec.	87.56	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	51.32	ug/m3	
		Lab Fort Blk. % Rec.	96.23	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	41.12	ug/m3	
		Lab Fort Blk. % Rec.	110.84	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.34	ug/m3	
		Lab Fort Blk. % Rec.	99.06	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	22.98	ug/m3	
		Lab Fort Blk. % Rec.	93.50	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	15.87	ug/m3	
		Lab Fort Blk. % Rec.	92.23	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.61	ug/m3	
		Lab Fort Blk. % Rec.	88.83	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	18.55	ug/m3	
		Lab Fort Blk. % Rec.	80.31	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	22.03	ug/m3	
		Lab Fort Blk. % Rec.	89.11	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	



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LFBLANK-95379	Benzyl Chloride	Lab Fort Blk. Found	23.83	ug/m3	
		Lab Fort Blk. % Rec.	92.06	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	15.52	ug/m3	
		Lab Fort Blk. % Rec.	99.71	%	70-130
		Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3
	Lab Fort Blk. Found		11.72	ug/m3	
		Lab Fort Blk. % Rec.	66.62	%	70-130
		2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3
	Lab Fort Blk. Found		15.48	ug/m3	
		Lab Fort Blk. % Rec.	75.57	%	50-150
		Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3
	Lab Fort Blk. Found		28.05	ug/m3	
		Lab Fort Blk. % Rec.	83.73	%	70-130
		1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3
	Lab Fort Blk. Found		33.29	ug/m3	
		Lab Fort Blk. % Rec.	86.66	%	70-130
		n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3
	Lab Fort Blk. Found		17.06	ug/m3	
		Lab Fort Blk. % Rec.	83.29	%	50-150
		1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3
	Lab Fort Blk. Found		31.36	ug/m3	
		Lab Fort Blk. % Rec.	89.71	%	70-130
		Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3
Lab Fort Blk. Found	11.38		ug/m3		
	Lab Fort Blk. % Rec.	77.23	%	50-150	
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
Lab Fort Blk. Found		6.28	ug/m3		
	Lab Fort Blk. % Rec.	73.04	%	50-150	
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
Lab Fort Blk. Found		11.91	ug/m3		
	Lab Fort Blk. % Rec.	107.74	%	70-130	
LFBLANK-95380	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	8.65	ug/m3	
		Lab Fort Blk. % Rec.	72.90	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	14.97	ug/m3	
		Lab Fort Blk. % Rec.	93.88	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	27.40	ug/m3	
		Lab Fort Blk. % Rec.	87.11	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	



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LFBLANK-95380					
	Chloroform	Lab Fort Blk. Found	18.07	ug/m3	
		Lab Fort Blk. % Rec.	74.26	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	13.98	ug/m3	
		Lab Fort Blk. % Rec.	69.07	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	30.28	ug/m3	
		Lab Fort Blk. % Rec.	100.74	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	13.55	ug/m3	
		Lab Fort Blk. % Rec.	75.22	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	19.23	ug/m3	
		Lab Fort Blk. % Rec.	88.74	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	12.19	ug/m3	
		Lab Fort Blk. % Rec.	69.20	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	8.38	ug/m3	
		Lab Fort Blk. % Rec.	68.26	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	9.50	ug/m3	
		Lab Fort Blk. % Rec.	64.46	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	18.83	ug/m3	
		Lab Fort Blk. % Rec.	91.94	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	21.91	ug/m3	
		Lab Fort Blk. % Rec.	103.02	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	31.26	ug/m3	
		Lab Fort Blk. % Rec.	92.19	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	16.94	ug/m3	
		Lab Fort Blk. % Rec.	90.06	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	24.55	ug/m3	
		Lab Fort Blk. % Rec.	90.00	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	27.20	ug/m3	
		Lab Fort Blk. % Rec.	101.24	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	29.33	ug/m3	



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LFBLANK-95380					
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blk. % Rec.	76.56	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	26.90	ug/m3	
		Lab Fort Blk. % Rec.	95.75	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	20.32	ug/m3	
		Lab Fort Blk. % Rec.	93.58	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	41.01	ug/m3	
		Lab Fort Blk. % Rec.	94.43	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	30.68	ug/m3	
		Lab Fort Blk. % Rec.	102.08	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	30.45	ug/m3	
		Lab Fort Blk. % Rec.	101.32	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	15.80	ug/m3	
		Lab Fort Blk. % Rec.	78.08	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	15.13	ug/m3	
		Lab Fort Blk. % Rec.	76.28	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	6.70	ug/m3	
		Lab Fort Blk. % Rec.	71.21	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.42	ug/m3	
		Lab Fort Blk. % Rec.	103.42	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	12.47	ug/m3	
		Lab Fort Blk. % Rec.	69.20	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	15.83	ug/m3	
		Lab Fort Blk. % Rec.	79.89	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	13.61	ug/m3	
		Lab Fort Blk. % Rec.	106.52	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	13.28	ug/m3	
		Lab Fort Blk. % Rec.	76.54	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	21.53	ug/m3	
		Lab Fort Blk. % Rec.	93.52	%	70-130



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LFBLANK-95380					
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	9.67	ug/m3	
		Lab Fort Blk. % Rec.	93.66	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	20.50	ug/m3	
		Lab Fort Blk. % Rec.	105.68	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	14.55	ug/m3	
		Lab Fort Blk. % Rec.	110.37	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	22.60	ug/m3	
		Lab Fort Blk. % Rec.	99.59	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	18.46	ug/m3	
		Lab Fort Blk. % Rec.	81.34	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	35.91	ug/m3	
		Lab Fort Blk. % Rec.	84.31	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	26.23	ug/m3	
		Lab Fort Blk. % Rec.	96.18	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	49.13	ug/m3	
		Lab Fort Blk. % Rec.	95.03	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	35.60	ug/m3	
		Lab Fort Blk. % Rec.	103.70	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	45.94	ug/m3	
		Lab Fort Blk. % Rec.	86.13	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	36.33	ug/m3	
		Lab Fort Blk. % Rec.	97.92	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.81	ug/m3	
		Lab Fort Blk. % Rec.	105.04	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.12	ug/m3	
		Lab Fort Blk. % Rec.	98.16	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	16.89	ug/m3	
		Lab Fort Blk. % Rec.	98.18	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	



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LFBLANK-95380					
	cis-1,2-Dichloroethylene	Lab Fort Blk. Found	15.32	ug/m3	
		Lab Fort Blk. % Rec.	77.27	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	23.11	ug/m3	
		Lab Fort Blk. % Rec.	100.04	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	19.63	ug/m3	
		Lab Fort Blk. % Rec.	79.41	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	26.34	ug/m3	
		Lab Fort Blk. % Rec.	101.78	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	12.59	ug/m3	
		Lab Fort Blk. % Rec.	80.86	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	11.55	ug/m3	
		Lab Fort Blk. % Rec.	65.62	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	18.70	ug/m3	
		Lab Fort Blk. % Rec.	91.31	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	31.74	ug/m3	
		Lab Fort Blk. % Rec.	94.73	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	34.99	ug/m3	
		Lab Fort Blk. % Rec.	91.06	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	21.25	ug/m3	
		Lab Fort Blk. % Rec.	103.74	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	30.94	ug/m3	
		Lab Fort Blk. % Rec.	88.53	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	10.99	ug/m3	
		Lab Fort Blk. % Rec.	74.58	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	6.09	ug/m3	
		Lab Fort Blk. % Rec.	70.88	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	11.62	ug/m3	
		Lab Fort Blk. % Rec.	105.08	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 4/6/2010

Lims Bat # : LIMIT-25347

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NOTES:

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95379
Analysis : 2-Butanone (MEK)

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95379
Analysis : 4-Methyl-2-Pentanone (MIBK)

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95379
Analysis : Vinyl Acetate

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95380
Analysis : 1,2-Dichloroethane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95380
Analysis : 2-Butanone (MEK)

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95380
Analysis : Hexane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95380
Analysis : Methyl tert-Butyl Ether (MTBE)

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16674
Sample ID : LFBLANK-95380
Analysis : Vinyl Acetate

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.



QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 4/6/2010

Lims Bat #: LIMIT-25347

Page 15 of 15

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



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEC Engineering
 Address: 107 Aldubon Rd, Suite 301
Waverfield, MA 01880
 Attention: Kelly Chatterton
 Project Location: Providence, RI (Graham)
 Sampled By: WAM

Telephone: (781) 245-6605
 Project # 3650080114
 Client PO # 200914544

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: _____
 Email: KSchatterton@maectec.com
 Format: EXCEL PDF GIS KEY OTHER

Proposal Provided? (For Billing purposes)
 yes proposal date _____

Field ID	Sample Description	Media	Lab #	ONLY USE WHEN USING PUMPS			Matrix Code*	Flow Controller ID
				Date	Flow Rate	Volume		
				Date	M ³ /Min or L/Min	Liters or M ³		
IA-1-032610	S	10800042	3/26/10	0.2	6	IA	4103	
IA-2-032610	S	10800043	3/26/10	0.2	6	IA	4060	
IA-3-032610	S	10800044	3/26/10	0.2	6	IA	4079	
IA-4-032610	S	10800045	3/26/10	0.2	6	IA	4077	
IA-5-032610	S	10800046	3/26/10	0.2	6	IA	4055	
IA-6-032610	S	10800047	3/26/10	0.2	6	IA	4085	
IA-7-032610	S	10800048	3/26/10	0.2	6	IA	4057	
EW-S-032610	S	10800049	3/26/10	0.2	6	SG	4016	

Laboratory Comments: _____
 CLIENT COMMENTS: _____

Relinquished by: (signature) [Signature] Date/Time: 3/26/10 16:00
 Received by: (signature) [Signature] Date/Time: 3/26/10 16:00
 Relinquished by: (signature) [Signature] Date/Time: 3-26-10 18:10
 Received by: (signature) [Signature] Date/Time: 3/26/10 18:10

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

Special Requirements
 Regulations: CT Target Indoor Air
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: CT Target Indoor
 Other: _____

*Matrix Code:
 SG= SOIL GAS
 IA= INDOOR AIR
 AMB= AMBIENT
 SS = SUB SLAB
 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

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEC Engineering
 Address: 107 Audubon Rd, Suite 301
Worcester, MA 01580
 Attention: Kelly Chatterton
 Project Location: Providence, RI (Gorham)
 Sampled By: MAN

Telephone: (781) 215-6606
 Project # 365008011Y
 Client PO # 200914545

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #:
 Email: K5chatterton@maectec.com
 Format: EXCEL PDF GIS KEY OTHER

Proposal Provided? (For Billing purposes)
 yes no

Field ID	Sample Description	Media	Lab #	Date		Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume (Liters or M ³)	Matrix Code*	"Hg		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.	
				Start Date/Time	Stop Date/Time					Initial	Final		
Ew-6-032610	* Direct Analyze	S	10B0050	3/26/10 15:08	3/26/10 15:38	30	0.2	6	SG	30	0	281067	4071
Ew-7-032610	* Direct Analyze	S	10B0050	3/26/10 13:52	3/26/10 14:22	30	0.2	6	SG	30	5	0178	4097
Ew-combined-032610	* Direct Analyze	S	10B0051	3/26/10 15:04	3/26/10 15:34	30	0.2	6	SG	29	0	1876	4029
AA-1-032610		S	10B0051	3/26/10 15:10	3/26/10 15:40	30	0.2	6	AMB	30	6	1466	4098

Laboratory Comments: Sample Ew-6-032610 received at -28 pressure
 Sample Ew-combined-032610 received with pressure valve open, no pressure.
 Client call re 3/26
 Do not run per KC 3/26/10
 CLIENT COMMENTS:
 Ew-combined + ew-7 were sampled from Source Area 50.15a-5.

Relinquished by: (signature) [Signature] Date/Time: 3/26/10 16:00
 Received by: (signature) [Signature] Date/Time: 3-26-10 1600
 Relinquished by: (signature) [Signature] Date/Time: 3-26-10 1810
 Received by: (signature) [Signature] Date/Time: 3/26/10 18:10

Turnaround**
 7-Day
 10-Day
 Other 5
 RUSH*
 *24-Hr *48-Hr
 *72-Hr *4-Day
 *Approval Required

Special Requirements
 Regulations: CT Target Indoor Air
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: CT Target Indoor
 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=fedlar 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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East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: Mactec Eng.
RECEIVED BY: KA DATE: 3/26/10

- 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: Air-Lab

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? Y
- 2. Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet? Y
- 3. Were the Lab ID's documented in the Air Lab Outbound excel sheet? Y
- 4. Was the job documented in the Air Lab Log-In Access Database? Y

Laboratory comments:

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 #: LIMIT-25348
 JOB NUMBER: 3650080114

PROJECT LOCATION: Providence, RI (Gorham Site)

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
AA-1-043010	10B00057	AIR	Not Specified	to-15 ppbv	
AA-1-043010	10B00057	AIR	Not Specified	to-15 ug/m3	
EW-COMBINED-04	10B00056	AIR	Not Specified	to-15 ppbv	
EW-COMBINED-04	10B00056	AIR	Not Specified	to-15 ug/m3	
IA-1-043010	10B00052	AIR	Not Specified	to-15 ppbv	
IA-1-043010	10B00052	AIR	Not Specified	to-15 ug/m3	
IA-2-043010	10B00053	AIR	Not Specified	to-15 ppbv	
IA-2-043010	10B00053	AIR	Not Specified	to-15 ug/m3	
IA-3-043010	10B00054	AIR	Not Specified	to-15 ppbv	
IA-3-043010	10B00054	AIR	Not Specified	to-15 ug/m3	
IA-4-043010	10B00055	AIR	Not Specified	to-15 ppbv	
IA-4-043010	10B00055	AIR	Not Specified	to-15 ug/m3	



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REPORT DATE 5/7/2010

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 #: LIMIT-25348
JOB NUMBER: 3650080114

Comments :

LIMS BATCH NO. : LIMIT-25348

CASE NARRATIVE SUMMARY

In method TO-15, method blank-133053 contained Ethanol at 0.13 ppbv = 0.23 ug/m3.
In method TO-15, any reported result for Methylene chloride and 2-Butanone is estimated and likely to be biased on the low side based on continuing calibration bias.
In method TO-15, any reported result for Methylene chloride and 2-Butanone is likely to be biased on the low side based on laboratory fortified blank recovery 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.

Table with 3 columns: Sample, Dilution, Compound(s). Rows include samples 10B00052-10B00057, blank-133052, blank-133053, blank-133054.

In method TO-15, for Benzyl Chloride and Hexachlorobutadiene in sample 10B00056, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

Method blank-133052 is associated with samples 10B00052 - 10B00055 and 10B00057.
Method blank-133053 is associated with samples 10B00056 2X.
Method blank-133054 is associated with samples 10B00056 10X.

Lfblank-95381 is associated with samples 10B00052 - 10B00055 and 10B00057.
Lfblank-95382 is associated with samples 10B00056 2X.
Lfblank-95383 is associated with samples 10B00056 10X.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033 AIHA ELLAP (LEAD) 100033 NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100 NEW HAMPSHIRE NELAP 2516 NEW JERSEY NELAP NJ MA007 (AIR)



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

REPORT DATE 5/7/2010

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 #: LIMIT-25348
JOB NUMBER: 3650080114

CONNECTICUT PH-0567
NEW YORK ELAP/NELAP 10899

VERMONT DOH (LEAD) No. LL015036
RHODE ISLAND (LIC. No. 112)

FLORIDA DOH E871027 (AIR)

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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Kelly Chatterton
MACTEC ENGINEERING & CONSULTING - MA
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WAKEFIELD, MA 01880

5/7/2010
Page 1 of 25

Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
Job Number: 3650080114

Field Sample # : AA-1-043010

Sample ID : 10B00057 ‡Sampled : 4/30/2010
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.2	0.05		05/04/10	WSD
Benzene	PPBv	0.11	0.05		05/04/10	WSD
Benzyl Chloride	PPBv	ND	0.05		05/04/10	WSD
Bromodichloromethane	PPBv	ND	0.05		05/04/10	WSD
Bromoform	PPBv	ND	0.05		05/04/10	WSD
Bromomethane	PPBv	ND	0.05		05/04/10	WSD
1,3-Butadiene	PPBv	ND	0.10		05/04/10	WSD
2-Butanone (MEK)	PPBv	0.47	0.05		05/04/10	WSD
Carbon Disulfide	PPBv	ND	0.05		05/04/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		05/04/10	WSD
Chlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		05/04/10	WSD
Chloroethane	PPBv	ND	0.05		05/04/10	WSD
Chloroform	PPBv	ND	0.05		05/04/10	WSD
Chloromethane	PPBv	0.38	0.05		05/04/10	WSD
Cyclohexane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Dichlorodifluoromethane	PPBv	0.42	0.05		05/04/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		05/04/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/04/10	WSD
Ethanol	PPBv	2.1	0.05		05/04/10	WSD
Ethyl Acetate	PPBv	ND	0.05		05/04/10	WSD
Ethylbenzene	PPBv	ND	0.05		05/04/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		05/04/10	WSD
n-Heptane	PPBv	ND	0.05		05/04/10	WSD

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

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

5/7/2010
 Page 2 of 25

Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : AA-1-043010

Sample ID : 10B00057 ‡Sampled : 4/30/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.05		05/04/10	WSD
Hexane	PPBv	0.31	0.05		05/04/10	WSD
2-Hexanone	PPBv	0.07	0.05		05/04/10	WSD
Isopropanol	PPBv	0.28	0.05		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/04/10	WSD
Methylene Chloride	PPBv	ND	0.20		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		05/04/10	WSD
Propene	PPBv	ND	0.20		05/04/10	WSD
Styrene	PPBv	ND	0.05		05/04/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/04/10	WSD
Tetrachloroethylene	PPBv	ND	0.05		05/04/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		05/04/10	WSD
Toluene	PPBv	0.20	0.05		05/04/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		05/04/10	WSD
Trichloroethylene	PPBv	ND	0.05		05/04/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		05/04/10	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/04/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/04/10	WSD
Vinyl Acetate	PPBv	ND	0.20		05/04/10	WSD
Vinyl Chloride	PPBv	ND	0.05		05/04/10	WSD
m/p-Xylene	PPBv	ND	0.10		05/04/10	WSD
o-Xylene	PPBv	ND	0.05		05/04/10	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	12	0.12		05/04/10	WSD
Benzene	ug/m3	0.35	0.16		05/04/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		05/04/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		05/04/10	WSD
Bromoform	ug/m3	ND	0.51		05/04/10	WSD
Bromomethane	ug/m3	ND	0.19		05/04/10	WSD
1,3-Butadiene	ug/m3	ND	0.23		05/04/10	WSD
2-Butanone (MEK)	ug/m3	1.4	0.15		05/04/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		05/04/10	WSD

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



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

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
Job Number: 3650080114

Field Sample #: AA-1-043010

Sample ID: 10B00057 ‡Sampled: 4/30/2010
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	0.47	0.31		05/04/10	WSD
Chlorobenzene	ug/m3	ND	0.23		05/04/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		05/04/10	WSD
Chloroethane	ug/m3	ND	0.13		05/04/10	WSD
Chloroform	ug/m3	ND	0.24		05/04/10	WSD
Chloromethane	ug/m3	0.78	0.10		05/04/10	WSD
Cyclohexane	ug/m3	ND	0.17		05/04/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		05/04/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.25		05/04/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		05/04/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/04/10	WSD
Ethanol	ug/m3	4.0	0.09		05/04/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		05/04/10	WSD
Ethylbenzene	ug/m3	ND	0.22		05/04/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		05/04/10	WSD
n-Heptane	ug/m3	ND	0.20		05/04/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		05/04/10	WSD
Hexane	ug/m3	1.1	0.18		05/04/10	WSD
2-Hexanone	ug/m3	0.29	0.20		05/04/10	WSD
Isopropanol	ug/m3	0.69	0.12		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/04/10	WSD
Methylene Chloride	ug/m3	ND	0.70		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		05/04/10	WSD
Propene	ug/m3	ND	0.35		05/04/10	WSD
Styrene	ug/m3	ND	0.21		05/04/10	WSD

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : AA-1-043010

Sample ID : 10B00057 ‡Sampled : 4/30/2010
 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		05/04/10	WSD
Tetrachloroethylene	ug/m3	ND	0.34		05/04/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		05/04/10	WSD
Toluene	ug/m3	0.75	0.19		05/04/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/04/10	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		05/04/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/04/10	WSD
Trichloroethylene	ug/m3	ND	0.27		05/04/10	WSD
Trichlorofluoromethane	ug/m3	1.2	0.28		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.45	0.38		05/04/10	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/04/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/04/10	WSD
Vinyl Acetate	ug/m3	ND	0.71		05/04/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		05/04/10	WSD
m/p-Xylene	ug/m3	ND	0.43		05/04/10	WSD
o-Xylene	ug/m3	ND	0.22		05/04/10	WSD

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Purchase Order No.: 200914545

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Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : EW-COMBINED-043010

Sample ID : 10B00056 ‡Sampled : 4/30/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.6	0.10		05/05/10	WSD
Benzene	PPBv	0.23	0.10		05/05/10	WSD
Benzyl Chloride	PPBv	ND	0.10		05/05/10	WSD
Bromodichloromethane	PPBv	ND	0.10		05/05/10	WSD
Bromoform	PPBv	ND	0.10		05/05/10	WSD
Bromomethane	PPBv	ND	0.10		05/05/10	WSD
1,3-Butadiene	PPBv	ND	0.20		05/05/10	WSD
2-Butanone (MEK)	PPBv	4.0	0.10		05/05/10	WSD
Carbon Disulfide	PPBv	0.25	0.10		05/05/10	WSD
Carbon Tetrachloride	PPBv	ND	0.10		05/05/10	WSD
Chlorobenzene	PPBv	ND	0.10		05/05/10	WSD
Chlorodibromomethane	PPBv	ND	0.10		05/05/10	WSD
Chloroethane	PPBv	1.8	0.10		05/05/10	WSD
Chloroform	PPBv	1.2	0.10		05/05/10	WSD
Chloromethane	PPBv	ND	0.10		05/05/10	WSD
Cyclohexane	PPBv	ND	0.10		05/05/10	WSD
1,2-Dibromoethane	PPBv	ND	0.10		05/05/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.10		05/05/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.10		05/05/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.10		05/05/10	WSD
Dichlorodifluoromethane	PPBv	0.35	0.10		05/05/10	WSD
1,1-Dichloroethane	PPBv	50	0.10		05/05/10	WSD
1,2-Dichloroethane	PPBv	ND	0.10		05/05/10	WSD
1,1-Dichloroethylene	PPBv	7.6	0.10		05/05/10	WSD
cis-1,2-Dichloroethylene	PPBv	46	0.10		05/05/10	WSD
t-1,2-Dichloroethylene	PPBv	0.75	0.10		05/05/10	WSD
1,2-Dichloropropane	PPBv	ND	0.10		05/05/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.10		05/05/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.10		05/05/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.10		05/05/10	WSD
Ethanol	PPBv	5.5	0.10		05/05/10	WSD
Ethyl Acetate	PPBv	ND	0.10		05/05/10	WSD
Ethylbenzene	PPBv	ND	0.10		05/05/10	WSD
4-Ethyl Toluene	PPBv	ND	0.10		05/05/10	WSD
n-Heptane	PPBv	ND	0.10		05/05/10	WSD

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WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
Job Number: 3650080114

Field Sample # : EW-COMBINED-043010

Sample ID : 10B00056 ‡Sampled : 4/30/2010
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.10		05/05/10	WSD
Hexane	PPBv	0.26	0.10		05/05/10	WSD
2-Hexanone	PPBv	ND	0.10		05/05/10	WSD
Isopropanol	PPBv	1.1	0.10		05/05/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.10		05/05/10	WSD
Methylene Chloride	PPBv	ND	0.40		05/05/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.10		05/05/10	WSD
Propene	PPBv	ND	0.40		05/05/10	WSD
Styrene	PPBv	ND	0.10		05/05/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.10		05/05/10	WSD
Tetrachloroethylene	PPBv	66	0.10		05/05/10	WSD
Tetrahydrofuran	PPBv	11	0.10		05/05/10	WSD
Toluene	PPBv	0.20	0.10		05/05/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.10		05/05/10	WSD
1,1,1-Trichloroethane	PPBv	250	0.10		05/05/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.10		05/05/10	WSD
Trichloroethylene	PPBv	220	0.10		05/05/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	37	0.10		05/05/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.10		05/05/10	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.10		05/05/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.10		05/05/10	WSD
Vinyl Acetate	PPBv	ND	0.40		05/05/10	WSD
Vinyl Chloride	PPBv	ND	0.10		05/05/10	WSD
m/p-Xylene	PPBv	ND	0.20		05/05/10	WSD
o-Xylene	PPBv	ND	0.10		05/05/10	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	16	0.24		05/05/10	WSD
Benzene	ug/m3	0.74	0.32		05/05/10	WSD
Benzyl Chloride	ug/m3	ND	0.52		05/05/10	WSD
Bromodichloromethane	ug/m3	ND	0.66		05/05/10	WSD
Bromoform	ug/m3	ND	1.1		05/05/10	WSD
Bromomethane	ug/m3	ND	0.38		05/05/10	WSD
1,3-Butadiene	ug/m3	ND	0.45		05/05/10	WSD
2-Butanone (MEK)	ug/m3	12	0.30		05/05/10	WSD
Carbon Disulfide	ug/m3	0.77	0.32		05/05/10	WSD

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



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

5/7/2010

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
Job Number: 3650080114

Field Sample # : EW-COMBINED-043010

Sample ID : 10B00056 ‡Sampled : 4/30/2010
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		05/05/10	WSD
Chlorobenzene	ug/m3	ND	0.46		05/05/10	WSD
Chlorodibromomethane	ug/m3	ND	0.86		05/05/10	WSD
Chloroethane	ug/m3	4.8	0.26		05/05/10	WSD
Chloroform	ug/m3	6.0	0.48		05/05/10	WSD
Chloromethane	ug/m3	ND	0.20		05/05/10	WSD
Cyclohexane	ug/m3	ND	0.34		05/05/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.76		05/05/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.60		05/05/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.60		05/05/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.60		05/05/10	WSD
Dichlorodifluoromethane	ug/m3	1.7	0.50		05/05/10	WSD
1,1-Dichloroethane	ug/m3	200	0.40		05/05/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.40		05/05/10	WSD
1,1-Dichloroethylene	ug/m3	30	0.40		05/05/10	WSD
cis-1,2-Dichloroethylene	ug/m3	180	0.40		05/05/10	WSD
t-1,2-Dichloroethylene	ug/m3	3.0	0.40		05/05/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.46		05/05/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.44		05/05/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.44		05/05/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.70		05/05/10	WSD
Ethanol	ug/m3	10	0.18		05/05/10	WSD
Ethyl Acetate	ug/m3	ND	0.36		05/05/10	WSD
Ethylbenzene	ug/m3	ND	0.44		05/05/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.50		05/05/10	WSD
n-Heptane	ug/m3	ND	0.40		05/05/10	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		05/05/10	WSD
Hexane	ug/m3	0.92	0.36		05/05/10	WSD
2-Hexanone	ug/m3	ND	0.40		05/05/10	WSD
Isopropanol	ug/m3	2.6	0.24		05/05/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.36		05/05/10	WSD
Methylene Chloride	ug/m3	ND	1.4		05/05/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.40		05/05/10	WSD
Propene	ug/m3	ND	0.69		05/05/10	WSD
Styrene	ug/m3	ND	0.42		05/05/10	WSD

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 WAKEFIELD, MA 01880

Purchase Order No.: 200914545

5/7/2010
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Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : EW-COMBINED-043010

Sample ID : 10B00056 ‡Sampled : 4/30/2010
 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		05/05/10	WSD
Tetrachloroethylene	ug/m3	450	0.68		05/05/10	WSD
Tetrahydrofuran	ug/m3	34	0.30		05/05/10	WSD
Toluene	ug/m3	0.75	0.38		05/05/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.74		05/05/10	WSD
1,1,1-Trichloroethane	ug/m3	1400	0.54		05/05/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.54		05/05/10	WSD
Trichloroethylene	ug/m3	1200	0.54		05/05/10	WSD
Trichlorofluoromethane	ug/m3	210	0.56		05/05/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	0.76		05/05/10	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.50		05/05/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.50		05/05/10	WSD
Vinyl Acetate	ug/m3	ND	1.5		05/05/10	WSD
Vinyl Chloride	ug/m3	ND	0.26		05/05/10	WSD
m/p-Xylene	ug/m3	ND	0.86		05/05/10	WSD
o-Xylene	ug/m3	ND	0.44		05/05/10	WSD

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



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WAKEFIELD, MA 01880

5/7/2010

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
Job Number: 3650080114

Field Sample # : IA-1-043010

Sample ID : 10B00052 ‡Sampled : 4/30/2010
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2.7	0.05		05/05/10	WSD
Benzene	PPBv	0.20	0.05		05/05/10	WSD
Benzyl Chloride	PPBv	ND	0.05		05/05/10	WSD
Bromodichloromethane	PPBv	ND	0.05		05/05/10	WSD
Bromoform	PPBv	ND	0.05		05/05/10	WSD
Bromomethane	PPBv	ND	0.05		05/05/10	WSD
1,3-Butadiene	PPBv	ND	0.10		05/05/10	WSD
2-Butanone (MEK)	PPBv	0.27	0.05		05/05/10	WSD
Carbon Disulfide	PPBv	ND	0.05		05/05/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		05/05/10	WSD
Chlorobenzene	PPBv	ND	0.05		05/05/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		05/05/10	WSD
Chloroethane	PPBv	ND	0.05		05/05/10	WSD
Chloroform	PPBv	0.05	0.05		05/05/10	WSD
Chloromethane	PPBv	0.38	0.05		05/05/10	WSD
Cyclohexane	PPBv	ND	0.05		05/05/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		05/05/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		05/05/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		05/05/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		05/05/10	WSD
Dichlorodifluoromethane	PPBv	0.44	0.05		05/05/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		05/05/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		05/05/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		05/05/10	WSD
cis-1,2-Dichloroethylene	PPBv	0.33	0.05		05/05/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/05/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		05/05/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/05/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/05/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/05/10	WSD
Ethanol	PPBv	2.4	0.05		05/05/10	WSD
Ethyl Acetate	PPBv	ND	0.05		05/05/10	WSD
Ethylbenzene	PPBv	0.05	0.05		05/05/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		05/05/10	WSD
n-Heptane	PPBv	ND	0.05		05/05/10	WSD

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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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : IA-1-043010

Sample ID : 10B00052 ‡Sampled : 4/30/2010
 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		05/05/10	WSD
Hexane	PPBv	0.33	0.05		05/05/10	WSD
2-Hexanone	PPBv	ND	0.05		05/05/10	WSD
Isopropanol	PPBv	1.4	0.05		05/05/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/05/10	WSD
Methylene Chloride	PPBv	ND	0.20		05/05/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		05/05/10	WSD
Propene	PPBv	ND	0.20		05/05/10	WSD
Styrene	PPBv	ND	0.05		05/05/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/05/10	WSD
Tetrachloroethylene	PPBv	0.66	0.05		05/05/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		05/05/10	WSD
Toluene	PPBv	0.35	0.05		05/05/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/05/10	WSD
1,1,1-Trichloroethane	PPBv	0.22	0.05		05/05/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		05/05/10	WSD
Trichloroethylene	PPBv	0.27	0.05		05/05/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		05/05/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		05/05/10	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/05/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/05/10	WSD
Vinyl Acetate	PPBv	ND	0.20		05/05/10	WSD
Vinyl Chloride	PPBv	ND	0.05		05/05/10	WSD
m/p-Xylene	PPBv	0.18	0.10		05/05/10	WSD
o-Xylene	PPBv	0.06	0.05		05/05/10	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	6.5	0.12		05/05/10	WSD
Benzene	ug/m3	0.64	0.16		05/05/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		05/05/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		05/05/10	WSD
Bromoform	ug/m3	ND	0.51		05/05/10	WSD
Bromomethane	ug/m3	ND	0.19		05/05/10	WSD
1,3-Butadiene	ug/m3	ND	0.23		05/05/10	WSD
2-Butanone (MEK)	ug/m3	0.78	0.15		05/05/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		05/05/10	WSD

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
Job Number: 3650080114

Field Sample #: IA-1-043010

Sample ID: 10B00052 ‡Sampled : 4/30/2010
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		05/05/10	WSD
Chlorobenzene	ug/m3	ND	0.23		05/05/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		05/05/10	WSD
Chloroethane	ug/m3	ND	0.13		05/05/10	WSD
Chloroform	ug/m3	0.25	0.24		05/05/10	WSD
Chloromethane	ug/m3	0.79	0.10		05/05/10	WSD
Cyclohexane	ug/m3	ND	0.17		05/05/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		05/05/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/05/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/05/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/05/10	WSD
Dichlorodifluoromethane	ug/m3	2.2	0.25		05/05/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		05/05/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		05/05/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		05/05/10	WSD
cis-1,2-Dichloroethylene	ug/m3	1.3	0.20		05/05/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/05/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		05/05/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/05/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/05/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/05/10	WSD
Ethanol	ug/m3	4.4	0.09		05/05/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		05/05/10	WSD
Ethylbenzene	ug/m3	0.23	0.22		05/05/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		05/05/10	WSD
n-Heptane	ug/m3	ND	0.20		05/05/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		05/05/10	WSD
Hexane	ug/m3	1.1	0.18		05/05/10	WSD
2-Hexanone	ug/m3	ND	0.20		05/05/10	WSD
Isopropanol	ug/m3	3.4	0.12		05/05/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/05/10	WSD
Methylene Chloride	ug/m3	ND	0.70		05/05/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		05/05/10	WSD
Propene	ug/m3	ND	0.35		05/05/10	WSD
Styrene	ug/m3	ND	0.21		05/05/10	WSD

RL = Reporting Limit

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

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5/7/2010

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)

LIMS-BAT #: LIMIT-25348

Date Received: 4/30/2010

Job Number: 3650080114

Field Sample # : IA-1-043010

Sample ID : 10B00052

‡Sampled : 4/30/2010

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		05/05/10	WSD
Tetrachloroethylene	ug/m3	4.5	0.34		05/05/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		05/05/10	WSD
Toluene	ug/m3	1.3	0.19		05/05/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/05/10	WSD
1,1,1-Trichloroethane	ug/m3	1.2	0.27		05/05/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/05/10	WSD
Trichloroethylene	ug/m3	1.5	0.27		05/05/10	WSD
Trichlorofluoromethane	ug/m3	1.2	0.28		05/05/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		05/05/10	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/05/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/05/10	WSD
Vinyl Acetate	ug/m3	ND	0.71		05/05/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		05/05/10	WSD
m/p-Xylene	ug/m3	0.77	0.43		05/05/10	WSD
o-Xylene	ug/m3	0.28	0.22		05/05/10	WSD

RL = Reporting Limit

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

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Purchase Order No.: 200914545

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Project Location: Providence, RI (Gorham Site)

LIMS-BAT #: LIMIT-25348

Date Received: 4/30/2010

Job Number: 3650080114

Field Sample # : IA-2-043010
Sample ID : 10B00053

‡Sampled : 4/30/2010

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.4	0.05		05/04/10	WSD
Benzene	PPBv	0.20	0.05		05/04/10	WSD
Benzyl Chloride	PPBv	ND	0.05		05/04/10	WSD
Bromodichloromethane	PPBv	ND	0.05		05/04/10	WSD
Bromoform	PPBv	ND	0.05		05/04/10	WSD
Bromomethane	PPBv	ND	0.05		05/04/10	WSD
1,3-Butadiene	PPBv	ND	0.10		05/04/10	WSD
2-Butanone (MEK)	PPBv	0.46	0.05		05/04/10	WSD
Carbon Disulfide	PPBv	ND	0.05		05/04/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		05/04/10	WSD
Chlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		05/04/10	WSD
Chloroethane	PPBv	ND	0.05		05/04/10	WSD
Chloroform	PPBv	ND	0.05		05/04/10	WSD
Chloromethane	PPBv	0.39	0.05		05/04/10	WSD
Cyclohexane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Dichlorodifluoromethane	PPBv	0.41	0.05		05/04/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
cis-1,2-Dichloroethylene	PPBv	0.26	0.05		05/04/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		05/04/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/04/10	WSD
Ethanol	PPBv	2.6	0.05		05/04/10	WSD
Ethyl Acetate	PPBv	ND	0.05		05/04/10	WSD
Ethylbenzene	PPBv	0.05	0.05		05/04/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		05/04/10	WSD
n-Heptane	PPBv	ND	0.05		05/04/10	WSD

RL = Reporting Limit

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



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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : IA-2-043010

Sample ID : 10B00053 ‡Sampled : 4/30/2010
 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		05/04/10	WSD
Hexane	PPBv	0.44	0.05		05/04/10	WSD
2-Hexanone	PPBv	0.06	0.05		05/04/10	WSD
Isopropanol	PPBv	1.3	0.05		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/04/10	WSD
Methylene Chloride	PPBv	ND	0.20		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		05/04/10	WSD
Propene	PPBv	ND	0.20		05/04/10	WSD
Styrene	PPBv	ND	0.05		05/04/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/04/10	WSD
Tetrachloroethylene	PPBv	0.53	0.05		05/04/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		05/04/10	WSD
Toluene	PPBv	0.35	0.05		05/04/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,1,1-Trichloroethane	PPBv	0.19	0.05		05/04/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		05/04/10	WSD
Trichloroethylene	PPBv	0.23	0.05		05/04/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		05/04/10	WSD
1,2,4-Trimethylbenzene	PPBv	0.06	0.05		05/04/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/04/10	WSD
Vinyl Acetate	PPBv	ND	0.20		05/04/10	WSD
Vinyl Chloride	PPBv	ND	0.05		05/04/10	WSD
m/p-Xylene	PPBv	0.17	0.10		05/04/10	WSD
o-Xylene	PPBv	0.07	0.05		05/04/10	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	8.2	0.12		05/04/10	WSD
Benzene	ug/m3	0.63	0.16		05/04/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		05/04/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		05/04/10	WSD
Bromoform	ug/m3	ND	0.51		05/04/10	WSD
Bromomethane	ug/m3	ND	0.19		05/04/10	WSD
1,3-Butadiene	ug/m3	ND	0.23		05/04/10	WSD
2-Butanone (MEK)	ug/m3	1.3	0.15		05/04/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		05/04/10	WSD

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



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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMT-25348
Job Number: 3650080114

Field Sample # : IA-2-043010

Sample ID : 10B00053

‡Sampled : 4/30/2010

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	0.47	0.31		05/04/10	WSD
Chlorobenzene	ug/m3	ND	0.23		05/04/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		05/04/10	WSD
Chloroethane	ug/m3	ND	0.13		05/04/10	WSD
Chloroform	ug/m3	ND	0.24		05/04/10	WSD
Chloromethane	ug/m3	0.80	0.10		05/04/10	WSD
Cyclohexane	ug/m3	ND	0.17		05/04/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		05/04/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.25		05/04/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
cis-1,2-Dichloroethylene	ug/m3	1.0	0.20		05/04/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		05/04/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/04/10	WSD
Ethanol	ug/m3	4.9	0.09		05/04/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		05/04/10	WSD
Ethylbenzene	ug/m3	0.23	0.22		05/04/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		05/04/10	WSD
n-Heptane	ug/m3	ND	0.20		05/04/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		05/04/10	WSD
Hexane	ug/m3	1.6	0.18		05/04/10	WSD
2-Hexanone	ug/m3	0.26	0.20		05/04/10	WSD
Isopropanol	ug/m3	3.2	0.12		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/04/10	WSD
Methylene Chloride	ug/m3	ND	0.70		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		05/04/10	WSD
Propene	ug/m3	ND	0.35		05/04/10	WSD
Styrene	ug/m3	ND	0.21		05/04/10	WSD

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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5/7/2010

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)

LIMS-BAT #: LIMIT-25348

Date Received: 4/30/2010

Job Number: 3650080114

Field Sample # : IA-2-043010

Sample ID : 10B00053

‡Sampled : 4/30/2010

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		05/04/10	WSD
Tetrachloroethylene	ug/m3	3.6	0.34		05/04/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		05/04/10	WSD
Toluene	ug/m3	1.3	0.19		05/04/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/04/10	WSD
1,1,1-Trichloroethane	ug/m3	1.0	0.27		05/04/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/04/10	WSD
Trichloroethylene	ug/m3	1.2	0.27		05/04/10	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.44	0.38		05/04/10	WSD
1,2,4-Trimethylbenzene	ug/m3	0.31	0.25		05/04/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/04/10	WSD
Vinyl Acetate	ug/m3	ND	0.71		05/04/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		05/04/10	WSD
m/p-Xylene	ug/m3	0.75	0.43		05/04/10	WSD
o-Xylene	ug/m3	0.29	0.22		05/04/10	WSD

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

Kelly Chatterton

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200914545

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Project Location: Providence, RI (Gorham Site)

LIMS-BAT #: LIMIT-25348

Date Received: 4/30/2010

Job Number: 3650080114

Field Sample # : IA-3-043010

Sample ID : 10B00054

‡Sampled : 4/30/2010

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.3	0.05		05/04/10	WSD
Benzene	PPBv	0.21	0.05		05/04/10	WSD
Benzyl Chloride	PPBv	ND	0.05		05/04/10	WSD
Bromodichloromethane	PPBv	ND	0.05		05/04/10	WSD
Bromoform	PPBv	ND	0.05		05/04/10	WSD
Bromomethane	PPBv	ND	0.05		05/04/10	WSD
1,3-Butadiene	PPBv	ND	0.10		05/04/10	WSD
2-Butanone (MEK)	PPBv	0.34	0.05		05/04/10	WSD
Carbon Disulfide	PPBv	ND	0.05		05/04/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		05/04/10	WSD
Chlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		05/04/10	WSD
Chloroethane	PPBv	ND	0.05		05/04/10	WSD
Chloroform	PPBv	ND	0.05		05/04/10	WSD
Chloromethane	PPBv	0.41	0.05		05/04/10	WSD
Cyclohexane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Dichlorodifluoromethane	PPBv	0.42	0.05		05/04/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
cis-1,2-Dichloroethylene	PPBv	0.34	0.05		05/04/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		05/04/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/04/10	WSD
Ethanol	PPBv	2.8	0.05		05/04/10	WSD
Ethyl Acetate	PPBv	ND	0.05		05/04/10	WSD
Ethylbenzene	PPBv	0.06	0.05		05/04/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		05/04/10	WSD
n-Heptane	PPBv	0.09	0.05		05/04/10	WSD

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

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : IA-3-043010

Sample ID : 10B00054 ‡Sampled : 4/30/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.05		05/04/10	WSD
Hexane	PPBv	0.39	0.05		05/04/10	WSD
2-Hexanone	PPBv	0.07	0.05		05/04/10	WSD
Isopropanol	PPBv	1.4	0.05		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/04/10	WSD
Methylene Chloride	PPBv	ND	0.20		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		05/04/10	WSD
Propene	PPBv	ND	0.20		05/04/10	WSD
Styrene	PPBv	ND	0.05		05/04/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/04/10	WSD
Tetrachloroethylene	PPBv	0.71	0.05		05/04/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		05/04/10	WSD
Toluene	PPBv	0.39	0.05		05/04/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,1,1-Trichloroethane	PPBv	0.22	0.05		05/04/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		05/04/10	WSD
Trichloroethylene	PPBv	0.28	0.05		05/04/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		05/04/10	WSD
1,2,4-Trimethylbenzene	PPBv	0.05	0.05		05/04/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/04/10	WSD
Vinyl Acetate	PPBv	ND	0.20		05/04/10	WSD
Vinyl Chloride	PPBv	0.05	0.05		05/04/10	WSD
m/p-Xylene	PPBv	0.18	0.10		05/04/10	WSD
o-Xylene	PPBv	0.07	0.05		05/04/10	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	7.7	0.12		05/04/10	WSD
Benzene	ug/m3	0.67	0.16		05/04/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		05/04/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		05/04/10	WSD
Bromoform	ug/m3	ND	0.51		05/04/10	WSD
Bromomethane	ug/m3	ND	0.19		05/04/10	WSD
1,3-Butadiene	ug/m3	ND	0.23		05/04/10	WSD
2-Butanone (MEK)	ug/m3	1.0	0.15		05/04/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		05/04/10	WSD

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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : IA-3-043010

Sample ID : 10B00054 ‡Sampled : 4/30/2010
 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	0.49	0.31		05/04/10	WSD
Chlorobenzene	ug/m3	ND	0.23		05/04/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		05/04/10	WSD
Chloroethane	ug/m3	ND	0.13		05/04/10	WSD
Chloroform	ug/m3	ND	0.24		05/04/10	WSD
Chloromethane	ug/m3	0.85	0.10		05/04/10	WSD
Cyclohexane	ug/m3	ND	0.17		05/04/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		05/04/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.25		05/04/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
cis-1,2-Dichloroethylene	ug/m3	1.3	0.20		05/04/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		05/04/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/04/10	WSD
Ethanol	ug/m3	5.3	0.09		05/04/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		05/04/10	WSD
Ethylbenzene	ug/m3	0.26	0.22		05/04/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		05/04/10	WSD
n-Heptane	ug/m3	0.36	0.20		05/04/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		05/04/10	WSD
Hexane	ug/m3	1.4	0.18		05/04/10	WSD
2-Hexanone	ug/m3	0.29	0.20		05/04/10	WSD
Isopropanol	ug/m3	3.4	0.12		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/04/10	WSD
Methylene Chloride	ug/m3	ND	0.70		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		05/04/10	WSD
Propene	ug/m3	ND	0.35		05/04/10	WSD
Styrene	ug/m3	ND	0.21		05/04/10	WSD

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

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

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : IA-3-043010

Sample ID : 10B00054 ‡Sampled : 4/30/2010
 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		05/04/10	WSD
Tetrachloroethylene	ug/m3	4.8	0.34		05/04/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		05/04/10	WSD
Toluene	ug/m3	1.5	0.19		05/04/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/04/10	WSD
1,1,1-Trichloroethane	ug/m3	1.2	0.27		05/04/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/04/10	WSD
Trichloroethylene	ug/m3	1.5	0.27		05/04/10	WSD
Trichlorofluoromethane	ug/m3	1.2	0.28		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.45	0.38		05/04/10	WSD
1,2,4-Trimethylbenzene	ug/m3	0.26	0.25		05/04/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/04/10	WSD
Vinyl Acetate	ug/m3	ND	0.71		05/04/10	WSD
Vinyl Chloride	ug/m3	0.14	0.13		05/04/10	WSD
m/p-Xylene	ug/m3	0.80	0.43		05/04/10	WSD
o-Xylene	ug/m3	0.32	0.22		05/04/10	WSD

RL = Reporting Limit

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NM = Not Measured

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

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : IA-4-043010

Sample ID : 10B00055 ‡Sampled : 4/30/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.7	0.05		05/04/10	WSD
Benzene	PPBv	0.20	0.05		05/04/10	WSD
Benzyl Chloride	PPBv	ND	0.05		05/04/10	WSD
Bromodichloromethane	PPBv	ND	0.05		05/04/10	WSD
Bromoform	PPBv	ND	0.05		05/04/10	WSD
Bromomethane	PPBv	ND	0.05		05/04/10	WSD
1,3-Butadiene	PPBv	ND	0.10		05/04/10	WSD
2-Butanone (MEK)	PPBv	0.50	0.05		05/04/10	WSD
Carbon Disulfide	PPBv	ND	0.05		05/04/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		05/04/10	WSD
Chlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		05/04/10	WSD
Chloroethane	PPBv	ND	0.05		05/04/10	WSD
Chloroform	PPBv	ND	0.05		05/04/10	WSD
Chloromethane	PPBv	0.37	0.05		05/04/10	WSD
Cyclohexane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
Dichlorodifluoromethane	PPBv	0.43	0.05		05/04/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		05/04/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
cis-1,2-Dichloroethylene	PPBv	0.32	0.05		05/04/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		05/04/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/04/10	WSD
Ethanol	PPBv	2.6	0.05		05/04/10	WSD
Ethyl Acetate	PPBv	ND	0.05		05/04/10	WSD
Ethylbenzene	PPBv	0.06	0.05		05/04/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		05/04/10	WSD
n-Heptane	PPBv	ND	0.05		05/04/10	WSD

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ND = Not Detected at or above the Reporting Limit

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



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

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
 Job Number: 3650080114

Field Sample # : IA-4-043010

Sample ID : 10B00055 ‡Sampled : 4/30/2010
 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		05/04/10	WSD
Hexane	PPBv	0.38	0.05		05/04/10	WSD
2-Hexanone	PPBv	0.10	0.05		05/04/10	WSD
Isopropanol	PPBv	1.4	0.05		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/04/10	WSD
Methylene Chloride	PPBv	ND	0.20		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		05/04/10	WSD
Propene	PPBv	ND	0.20		05/04/10	WSD
Styrene	PPBv	ND	0.05		05/04/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/04/10	WSD
Tetrachloroethylene	PPBv	0.65	0.05		05/04/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		05/04/10	WSD
Toluene	PPBv	0.37	0.05		05/04/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/04/10	WSD
1,1,1-Trichloroethane	PPBv	0.20	0.05		05/04/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		05/04/10	WSD
Trichloroethylene	PPBv	0.25	0.05		05/04/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		05/04/10	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/04/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/04/10	WSD
Vinyl Acetate	PPBv	ND	0.20		05/04/10	WSD
Vinyl Chloride	PPBv	ND	0.05		05/04/10	WSD
m/p-Xylene	PPBv	0.18	0.10		05/04/10	WSD
o-Xylene	PPBv	0.07	0.05		05/04/10	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	8.7	0.12		05/04/10	WSD
Benzene	ug/m3	0.64	0.16		05/04/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		05/04/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		05/04/10	WSD
Bromoform	ug/m3	ND	0.51		05/04/10	WSD
Bromomethane	ug/m3	ND	0.19		05/04/10	WSD
1,3-Butadiene	ug/m3	ND	0.23		05/04/10	WSD
2-Butanone (MEK)	ug/m3	1.5	0.15		05/04/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		05/04/10	WSD

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 4/30/2010

LIMS-BAT #: LIMIT-25348
Job Number: 3650080114

Field Sample # : IA-4-043010

Sample ID : 10B00055 ‡Sampled : 4/30/2010
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	0.47	0.31		05/04/10	WSD
Chlorobenzene	ug/m3	ND	0.23		05/04/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		05/04/10	WSD
Chloroethane	ug/m3	ND	0.13		05/04/10	WSD
Chloroform	ug/m3	ND	0.24		05/04/10	WSD
Chloromethane	ug/m3	0.77	0.10		05/04/10	WSD
Cyclohexane	ug/m3	ND	0.17		05/04/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		05/04/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/04/10	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.25		05/04/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		05/04/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
cis-1,2-Dichloroethylene	ug/m3	1.3	0.20		05/04/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/04/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		05/04/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/04/10	WSD
Ethanol	ug/m3	4.9	0.09		05/04/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		05/04/10	WSD
Ethylbenzene	ug/m3	0.25	0.22		05/04/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		05/04/10	WSD
n-Heptane	ug/m3	ND	0.20		05/04/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		05/04/10	WSD
Hexane	ug/m3	1.3	0.18		05/04/10	WSD
2-Hexanone	ug/m3	0.39	0.20		05/04/10	WSD
Isopropanol	ug/m3	3.4	0.12		05/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/04/10	WSD
Methylene Chloride	ug/m3	ND	0.70		05/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		05/04/10	WSD
Propene	ug/m3	ND	0.35		05/04/10	WSD
Styrene	ug/m3	ND	0.21		05/04/10	WSD

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

5/7/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 4/30/2010

LIMS-BAT #: LIMT-25348
 Job Number: 3650080114

Field Sample # : IA-4-043010

Sample ID : 10B00055 ‡Sampled : 4/30/2010
 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		05/04/10	WSD
Tetrachloroethylene	ug/m3	4.4	0.34		05/04/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		05/04/10	WSD
Toluene	ug/m3	1.4	0.19		05/04/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/04/10	WSD
1,1,1-Trichloroethane	ug/m3	1.1	0.27		05/04/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/04/10	WSD
Trichloroethylene	ug/m3	1.4	0.27		05/04/10	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		05/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		05/04/10	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/04/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/04/10	WSD
Vinyl Acetate	ug/m3	ND	0.71		05/04/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		05/04/10	WSD
m/p-Xylene	ug/m3	0.80	0.43		05/04/10	WSD
o-Xylene	ug/m3	0.30	0.22		05/04/10	WSD

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



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5/7/2010

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)

LIMS-BAT #: LIMIT-25348

Date Received: 4/30/2010

Job Number: 3650080114

** END OF REPORT **

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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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16675

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00052	4-Bromofluorobenzene	Surrogate Recovery	99.50	%	70-130
10B00053	4-Bromofluorobenzene	Surrogate Recovery	100.00	%	70-130
10B00054	4-Bromofluorobenzene	Surrogate Recovery	104.12	%	70-130
10B00055	Acetone	Sample Amount	8.73	ug/m3	
		Duplicate Value	8.76	ug/m3	
		Duplicate RPD	0.38	%	
	Benzene	Sample Amount	0.64	ug/m3	
		Duplicate Value	0.66	ug/m3	
		Duplicate RPD	3.90	%	
	Carbon Tetrachloride	Sample Amount	0.47	ug/m3	
		Duplicate Value	0.51	ug/m3	
		Duplicate RPD	8.91	%	
	Ethylbenzene	Sample Amount	0.25	ug/m3	
		Duplicate Value	0.23	ug/m3	
		Duplicate RPD	5.30	%	
	Hexane	Sample Amount	1.32	ug/m3	
		Duplicate Value	1.36	ug/m3	
		Duplicate RPD	2.87	%	
	Isopropanol	Sample Amount	3.43	ug/m3	
		Duplicate Value	3.46	ug/m3	
		Duplicate RPD	0.85	%	
	2-Butanone (MEK)	Sample Amount	1.48	ug/m3	
		Duplicate Value	1.51	ug/m3	
		Duplicate RPD	2.55	%	
	Tetrachloroethylene	Sample Amount	4.39	ug/m3	
		Duplicate Value	4.47	ug/m3	
		Duplicate RPD	1.83	%	
	Toluene	Sample Amount	1.39	ug/m3	
		Duplicate Value	1.41	ug/m3	
		Duplicate RPD	1.34	%	
	1,1,1-Trichloroethane	Sample Amount	1.10	ug/m3	
		Duplicate Value	1.20	ug/m3	
		Duplicate RPD	8.53	%	
	Trichloroethylene	Sample Amount	1.36	ug/m3	
		Duplicate Value	1.37	ug/m3	
		Duplicate RPD	0.78	%	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	0.48	ug/m3	
		Duplicate Value	0.49	ug/m3	
		Duplicate RPD	1.57	%	
	Trichlorofluoromethane	Sample Amount	1.28	ug/m3	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16675

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00055	Trichlorofluoromethane	Duplicate Value	1.24	ug/m3	
		Duplicate RPD	2.66	%	
	o-Xylene	Sample Amount	0.30	ug/m3	
		Duplicate Value	0.31	ug/m3	
		Duplicate RPD	2.81	%	
	m/p-Xylene	Sample Amount	0.80	ug/m3	
		Duplicate Value	0.82	ug/m3	
		Duplicate RPD	2.13	%	
	Ethanol	Sample Amount	4.87	ug/m3	
		Duplicate Value	4.83	ug/m3	
		Duplicate RPD	0.93	%	
	Chloromethane	Sample Amount	0.77	ug/m3	
		Duplicate Value	0.81	ug/m3	
		Duplicate RPD	5.20	%	
	cis-1,2-Dichloroethylene	Sample Amount	1.27	ug/m3	
		Duplicate Value	1.26	ug/m3	
		Duplicate RPD	0.62	%	
	Dichlorodifluoromethane	Sample Amount	2.10	ug/m3	
		Duplicate Value	2.13	ug/m3	
		Duplicate RPD	1.16	%	
	2-Hexanone	Sample Amount	0.38	ug/m3	
		Duplicate Value	0.38	ug/m3	
		Duplicate RPD	1.05	%	
	4-Bromofluorobenzene	Surrogate Recovery	98.75	%	70-130
10B00057	4-Bromofluorobenzene	Surrogate Recovery	100.37	%	70-130
BLANK-133052	Acetone	Blank	<0.48	ug/m3	
	Benzene	Blank	<0.16	ug/m3	
	Carbon Tetrachloride	Blank	<0.31	ug/m3	
	Chloroform	Blank	<0.24	ug/m3	
	1,2-Dichloroethane	Blank	<0.20	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.30	ug/m3	
	Ethyl Acetate	Blank	<0.18	ug/m3	
	Ethylbenzene	Blank	<0.22	ug/m3	
	Hexane	Blank	<0.18	ug/m3	
	Isopropanol	Blank	<0.25	ug/m3	
	2-Butanone (MEK)	Blank	<0.30	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<0.20	ug/m3	
	Styrene	Blank	<0.21	ug/m3	
	Tetrachloroethylene	Blank	<0.34	ug/m3	
	Toluene	Blank	<0.19	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.27	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16675

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133052	Trichloroethylene	Blank	<0.27	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.38	ug/m3	
	Trichlorofluoromethane	Blank	<0.28	ug/m3	
	o-Xylene	Blank	<0.22	ug/m3	
	m/p-Xylene	Blank	<0.43	ug/m3	
	1,2-Dichlorobenzene	Blank	<0.30	ug/m3	
	1,3-Dichlorobenzene	Blank	<0.30	ug/m3	
	1,1-Dichloroethane	Blank	<0.20	ug/m3	
	1,1-Dichloroethylene	Blank	<0.20	ug/m3	
	Ethanol	Blank	<0.38	ug/m3	
	4-Ethyl Toluene	Blank	<0.25	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<0.18	ug/m3	
	t-1,2-Dichloroethylene	Blank	<0.20	ug/m3	
	Vinyl Chloride	Blank	<0.13	ug/m3	
	Methylene Chloride	Blank	<0.70	ug/m3	
	Chlorobenzene	Blank	<0.23	ug/m3	
	Chloromethane	Blank	<0.10	ug/m3	
	Bromomethane	Blank	<0.19	ug/m3	
	Chloroethane	Blank	<0.13	ug/m3	
	cis-1,3-Dichloropropene	Blank	<0.22	ug/m3	
	trans-1,3-Dichloropropene	Blank	<0.22	ug/m3	
	Chlorodibromomethane	Blank	<0.43	ug/m3	
	1,1,2-Trichloroethane	Blank	<0.27	ug/m3	
	Bromoform	Blank	<0.51	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<0.34	ug/m3	
	Hexachlorobutadiene	Blank	<0.53	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.37	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.25	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.25	ug/m3	
	Cyclohexane	Blank	<0.17	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.20	ug/m3	
	1,2-Dichloropropane	Blank	<0.23	ug/m3	
	Dichlorodifluoromethane	Blank	<0.25	ug/m3	
	Benzyl Chloride	Blank	<0.26	ug/m3	
	Carbon Disulfide	Blank	<0.16	ug/m3	
	Vinyl Acetate	Blank	<0.71	ug/m3	
	2-Hexanone	Blank	<0.20	ug/m3	
	Bromodichloromethane	Blank	<0.33	ug/m3	
	1,2-Dibromoethane	Blank	<0.38	ug/m3	
	n-Heptane	Blank	<0.20	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.35	ug/m3	
	Tetrahydrofuran	Blank	<0.15	ug/m3	
	Propene	Blank	<0.35	ug/m3	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16675

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133052	1,3-Butadiene	Blank	<0.23	ug/m3	
LFBLANK-95381	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	9.53	ug/m3	
		Lab Fort Blk. % Rec.	80.32	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	15.08	ug/m3	
		Lab Fort Blk. % Rec.	94.58	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	32.36	ug/m3	
		Lab Fort Blk. % Rec.	102.90	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	23.90	ug/m3	
		Lab Fort Blk. % Rec.	98.22	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.48	ug/m3	
		Lab Fort Blk. % Rec.	91.28	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	28.37	ug/m3	
		Lab Fort Blk. % Rec.	94.40	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	16.46	ug/m3	
		Lab Fort Blk. % Rec.	91.40	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	22.56	ug/m3	
		Lab Fort Blk. % Rec.	104.08	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	14.36	ug/m3	
		Lab Fort Blk. % Rec.	81.54	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	8.36	ug/m3	
		Lab Fort Blk. % Rec.	68.08	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	10.30	ug/m3	
		Lab Fort Blk. % Rec.	69.90	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	17.38	ug/m3	
		Lab Fort Blk. % Rec.	84.88	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	22.54	ug/m3	
		Lab Fort Blk. % Rec.	106.00	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	33.10	ug/m3	



QC SUMMARY REPORT

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Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16675

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95381					
	Tetrachloroethylene	Lab Fort Blk. % Rec.	97.63	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	18.61	ug/m3	
		Lab Fort Blk. % Rec.	98.96	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	28.16	ug/m3	
		Lab Fort Blk. % Rec.	103.24	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	26.21	ug/m3	
		Lab Fort Blk. % Rec.	97.56	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	33.77	ug/m3	
		Lab Fort Blk. % Rec.	88.14	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	26.78	ug/m3	
		Lab Fort Blk. % Rec.	95.34	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	23.05	ug/m3	
		Lab Fort Blk. % Rec.	106.18	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	46.54	ug/m3	
		Lab Fort Blk. % Rec.	107.15	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	27.81	ug/m3	
		Lab Fort Blk. % Rec.	92.54	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	29.11	ug/m3	
		Lab Fort Blk. % Rec.	96.86	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.00	ug/m3	
		Lab Fort Blk. % Rec.	88.94	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.11	ug/m3	
		Lab Fort Blk. % Rec.	86.28	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	6.87	ug/m3	
		Lab Fort Blk. % Rec.	73.02	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.40	ug/m3	
		Lab Fort Blk. % Rec.	107.44	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	19.34	ug/m3	
		Lab Fort Blk. % Rec.	107.34	%	70-130



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16675

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95381					
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.79	ug/m3	
		Lab Fort Blk. % Rec.	89.75	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	12.44	ug/m3	
		Lab Fort Blk. % Rec.	97.34	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	11.59	ug/m3	
		Lab Fort Blk. % Rec.	66.76	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.63	ug/m3	
		Lab Fort Blk. % Rec.	98.28	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	9.28	ug/m3	
		Lab Fort Blk. % Rec.	89.94	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	18.57	ug/m3	
		Lab Fort Blk. % Rec.	95.70	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	13.07	ug/m3	
		Lab Fort Blk. % Rec.	99.15	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	25.57	ug/m3	
		Lab Fort Blk. % Rec.	112.66	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	22.68	ug/m3	
		Lab Fort Blk. % Rec.	99.94	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	45.52	ug/m3	
		Lab Fort Blk. % Rec.	106.88	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	26.60	ug/m3	
		Lab Fort Blk. % Rec.	97.52	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	57.76	ug/m3	
		Lab Fort Blk. % Rec.	111.74	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	34.37	ug/m3	
		Lab Fort Blk. % Rec.	100.12	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	64.58	ug/m3	
		Lab Fort Blk. % Rec.	121.10	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	



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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95381					
	1,2,4-Trichlorobenzene	Lab Fort Blk. Found	35.06	ug/m3	
		Lab Fort Blk. % Rec.	94.49	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.06	ug/m3	
		Lab Fort Blk. % Rec.	106.04	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.74	ug/m3	
		Lab Fort Blk. % Rec.	104.74	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	14.10	ug/m3	
		Lab Fort Blk. % Rec.	81.93	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.36	ug/m3	
		Lab Fort Blk. % Rec.	87.59	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	20.38	ug/m3	
		Lab Fort Blk. % Rec.	88.21	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	25.79	ug/m3	
		Lab Fort Blk. % Rec.	104.32	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	31.61	ug/m3	
		Lab Fort Blk. % Rec.	122.14	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	14.01	ug/m3	
		Lab Fort Blk. % Rec.	90.01	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	13.24	ug/m3	
		Lab Fort Blk. % Rec.	75.25	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	15.73	ug/m3	
		Lab Fort Blk. % Rec.	76.83	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	35.95	ug/m3	
		Lab Fort Blk. % Rec.	107.32	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	37.66	ug/m3	
		Lab Fort Blk. % Rec.	98.02	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	18.38	ug/m3	
		Lab Fort Blk. % Rec.	89.69	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	32.17	ug/m3	



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LFBLANK-95381					
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blk. % Rec.	92.04	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.00	ug/m3	
		Lab Fort Blk. % Rec.	81.44	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	7.93	ug/m3	
		Lab Fort Blk. % Rec.	92.18	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	9.10	ug/m3	
		Lab Fort Blk. % Rec.	82.28	%	70-130

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00056	4-Bromofluorobenzene	Surrogate Recovery	105.75	%	70-130
BLANK-133053	Acetone	Blank	<0.24	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	<0.13	ug/m3	
	2-Butanone (MEK)	Blank	<0.15	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	0.23	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	<0.35	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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BLANK-133053					
	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	<0.36	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	<0.18	ug/m3	
	1,3-Butadiene	Blank	<0.12	ug/m3	
BLANK-133054					
	Acetone	Blank		ug/m3	
	Benzene	Blank		ug/m3	
	Carbon Tetrachloride	Blank		ug/m3	
	Chloroform	Blank		ug/m3	
	1,2-Dichloroethane	Blank		ug/m3	
	1,4-Dichlorobenzene	Blank		ug/m3	
	Ethyl Acetate	Blank		ug/m3	
	Ethylbenzene	Blank		ug/m3	
	Hexane	Blank		ug/m3	
	Isopropanol	Blank		ug/m3	
	2-Butanone (MEK)	Blank		ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank		ug/m3	
	Styrene	Blank		ug/m3	
	Tetrachloroethylene	Blank	<0.17	ug/m3	
	Toluene	Blank		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		ug/m3	
	Trichlorofluoromethane	Blank		ug/m3	
	o-Xylene	Blank		ug/m3	
	m/p-Xylene	Blank		ug/m3	
	1,2-Dichlorobenzene	Blank		ug/m3	
	1,3-Dichlorobenzene	Blank		ug/m3	



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BLANK-133054					
	1,1-Dichloroethane	Blank		ug/m3	
	1,1-Dichloroethylene	Blank		ug/m3	
	Ethanol	Blank		ug/m3	
	4-Ethyl Toluene	Blank		ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank		ug/m3	
	t-1,2-Dichloroethylene	Blank		ug/m3	
	Vinyl Chloride	Blank		ug/m3	
	Methylene Chloride	Blank		ug/m3	
	Chlorobenzene	Blank		ug/m3	
	Chloromethane	Blank		ug/m3	
	Bromomethane	Blank		ug/m3	
	Chloroethane	Blank		ug/m3	
	cis-1,3-Dichloropropene	Blank		ug/m3	
	trans-1,3-Dichloropropene	Blank		ug/m3	
	Chlorodibromomethane	Blank		ug/m3	
	1,1,2-Trichloroethane	Blank		ug/m3	
	Bromoform	Blank		ug/m3	
	1,1,2,2-Tetrachloroethane	Blank		ug/m3	
	Hexachlorobutadiene	Blank		ug/m3	
	1,2,4-Trichlorobenzene	Blank		ug/m3	
	1,2,4-Trimethylbenzene	Blank		ug/m3	
	1,3,5-Trimethylbenzene	Blank		ug/m3	
	Cyclohexane	Blank		ug/m3	
	cis-1,2-Dichloroethylene	Blank		ug/m3	
	1,2-Dichloropropane	Blank		ug/m3	
	Dichlorodifluoromethane	Blank		ug/m3	
	Benzyl Chloride	Blank		ug/m3	
	Carbon Disulfide	Blank		ug/m3	
	Vinyl Acetate	Blank		ug/m3	
	2-Hexanone	Blank		ug/m3	
	Bromodichloromethane	Blank		ug/m3	
	1,2-Dibromoethane	Blank		ug/m3	
	n-Heptane	Blank		ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank		ug/m3	
	Tetrahydrofuran	Blank		ug/m3	
	Propene	Blank		ug/m3	
	1,3-Butadiene	Blank		ug/m3	
LFBLANK-95382					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	10.20	ug/m3	
		Lab Fort Blk. % Rec.	85.92	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	14.74	ug/m3	



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LFBLANK-95382					
	Benzene	Lab Fort Blk. % Rec.	92.41	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	34.66	ug/m3	
		Lab Fort Blk. % Rec.	110.22	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	24.16	ug/m3	
		Lab Fort Blk. % Rec.	99.29	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	19.54	ug/m3	
		Lab Fort Blk. % Rec.	96.52	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	27.12	ug/m3	
		Lab Fort Blk. % Rec.	90.22	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	15.76	ug/m3	
		Lab Fort Blk. % Rec.	87.52	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	22.10	ug/m3	
		Lab Fort Blk. % Rec.	101.96	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	14.32	ug/m3	
		Lab Fort Blk. % Rec.	81.30	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	8.27	ug/m3	
		Lab Fort Blk. % Rec.	67.34	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	10.16	ug/m3	
		Lab Fort Blk. % Rec.	68.96	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	18.57	ug/m3	
		Lab Fort Blk. % Rec.	90.68	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	22.22	ug/m3	
		Lab Fort Blk. % Rec.	104.48	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	31.66	ug/m3	
		Lab Fort Blk. % Rec.	93.39	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	18.20	ug/m3	
		Lab Fort Blk. % Rec.	96.76	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	29.94	ug/m3	
		Lab Fort Blk. % Rec.	109.76	%	70-130



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LFBLANK-95382					
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	26.48	ug/m3	
		Lab Fort Blk. % Rec.	98.57	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	32.05	ug/m3	
		Lab Fort Blk. % Rec.	83.65	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	27.77	ug/m3	
		Lab Fort Blk. % Rec.	98.88	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	23.73	ug/m3	
		Lab Fort Blk. % Rec.	109.30	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	44.68	ug/m3	
		Lab Fort Blk. % Rec.	102.88	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	25.97	ug/m3	
		Lab Fort Blk. % Rec.	86.40	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	27.89	ug/m3	
		Lab Fort Blk. % Rec.	92.80	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.57	ug/m3	
		Lab Fort Blk. % Rec.	86.80	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.27	ug/m3	
		Lab Fort Blk. % Rec.	87.07	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	7.12	ug/m3	
		Lab Fort Blk. % Rec.	75.65	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.30	ug/m3	
		Lab Fort Blk. % Rec.	102.96	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	18.16	ug/m3	
		Lab Fort Blk. % Rec.	100.76	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.19	ug/m3	
		Lab Fort Blk. % Rec.	86.74	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	12.35	ug/m3	
		Lab Fort Blk. % Rec.	96.69	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	



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LFBLANK-95382					
	Methylene Chloride	Lab Fort Blk. Found	11.35	ug/m3	
		Lab Fort Blk. % Rec.	65.38	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.11	ug/m3	
		Lab Fort Blk. % Rec.	96.04	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	9.27	ug/m3	
		Lab Fort Blk. % Rec.	89.84	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	18.74	ug/m3	
		Lab Fort Blk. % Rec.	96.60	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	12.67	ug/m3	
		Lab Fort Blk. % Rec.	96.05	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	26.19	ug/m3	
		Lab Fort Blk. % Rec.	115.40	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	23.96	ug/m3	
		Lab Fort Blk. % Rec.	105.56	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	46.00	ug/m3	
		Lab Fort Blk. % Rec.	108.00	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	26.16	ug/m3	
		Lab Fort Blk. % Rec.	95.92	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	57.38	ug/m3	
		Lab Fort Blk. % Rec.	111.00	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	35.15	ug/m3	
		Lab Fort Blk. % Rec.	102.38	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	60.06	ug/m3	
		Lab Fort Blk. % Rec.	112.62	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	32.05	ug/m3	
		Lab Fort Blk. % Rec.	86.37	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.19	ug/m3	
		Lab Fort Blk. % Rec.	102.48	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.84	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16676

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95382					
	1,3,5-Trimethylbenzene	Lab Fort Blk. % Rec.	101.08	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	15.34	ug/m3	
		Lab Fort Blk. % Rec.	89.13	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.98	ug/m3	
		Lab Fort Blk. % Rec.	85.66	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	20.39	ug/m3	
		Lab Fort Blk. % Rec.	88.25	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	27.05	ug/m3	
		Lab Fort Blk. % Rec.	109.40	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	30.71	ug/m3	
		Lab Fort Blk. % Rec.	118.66	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	13.08	ug/m3	
		Lab Fort Blk. % Rec.	84.01	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	13.15	ug/m3	
		Lab Fort Blk. % Rec.	74.74	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	16.27	ug/m3	
		Lab Fort Blk. % Rec.	79.47	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	37.97	ug/m3	
		Lab Fort Blk. % Rec.	113.34	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	36.83	ug/m3	
		Lab Fort Blk. % Rec.	95.86	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	19.22	ug/m3	
		Lab Fort Blk. % Rec.	93.79	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	32.52	ug/m3	
		Lab Fort Blk. % Rec.	93.03	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	11.38	ug/m3	
		Lab Fort Blk. % Rec.	77.23	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	7.92	ug/m3	
		Lab Fort Blk. % Rec.	92.12	%	50-150



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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QC Batch Number: BATCH-16676

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95382	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	9.41	ug/m3	
		Lab Fort Blk. % Rec.	85.14	%	70-130
LFBLANK-95383	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	33.87	ug/m3	
		Lab Fort Blk. % Rec.	99.89	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	28.09	ug/m3	
		Lab Fort Blk. % Rec.	102.98	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	26.62	ug/m3	
		Lab Fort Blk. % Rec.	99.09	%	70-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/7/2010

Lims Bat # : LIMIT-25348

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NOTES:

QC Batch No. : BATCH-16675
Sample ID : LFBLANK-95381
Analysis : 2-Butanone (MEK)

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16675
Sample ID : LFBLANK-95381
Analysis : Methylene Chloride

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16676
Sample ID : LFBLANK-95382
Analysis : 2-Butanone (MEK)

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No. : BATCH-16676
Sample ID : LFBLANK-95382
Analysis : Methylene Chloride

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.



QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates BATCH QC: Lab fortified Blanks and Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates Standard Reference Materials and Duplicates
Method Blanks

Report Date: 5/7/2010 Lims Bat #: LIMIT-25348 Page 18 of 18

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



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 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY
RECORD
 LMT: 85318 1050019

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEC Engineering
 Address: 107 Audubon Rd
Wakefield, MA 01880

Telephone: (781) 245-6606
 Project # 365008014
 Client PO # 200914545

Attention: Kelly Chatterton

Project Location: Providence, RI (Gorham Site)

Sampled By: PSM

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

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: K.Chatterton@mactec.com
 Email: K.Chatterton@mactec.com
 Format: EXCEL PDF GIS KEY OTHER

ANALYSIS REQUESTED

"Hg	1 n i t i a l	2 p r e s s u r e	3 p r e s s u r e	4 p r e s s u r e	5 p r e s s u r e	6 p r e s s u r e	7 p r e s s u r e	8 p r e s s u r e	9 p r e s s u r e	10 p r e s s u r e	11 p r e s s u r e	12 p r e s s u r e	13 p r e s s u r e	14 p r e s s u r e	15 p r e s s u r e	16 p r e s s u r e	17 p r e s s u r e	18 p r e s s u r e	19 p r e s s u r e	20 p r e s s u r e
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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.

Field ID	Sample Description	Media	Lab #	Date		Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min	Volume Liters/or M ³	Matrix Code*	Summa Canister ID	Flow Controller ID	
				Start Time	Stop Time							
IA-1-043010	S		108	4-30-10 0737	4-30-10 0807	30	0.2	6	IA	X	1636	4101
IA-2-043010	S			4-30-10 0739	4-30-10 0809	30	0.2	6	IA	X	1240	4014
IA-3-043010	S			4-30-10 0742	4-30-10 0812	30	0.2	6	IA	X	1733	4066
IA-4-043010	S			4-30-10 0743	4-30-10 0813	30	0.2	6	IA	X	1218	4065
EW-Combined-043010	S			4-30-10 0824	4-30-10 0854	30	0.2	6	S4	X	1325	4094
AA-1-043010	S			4-30-10 0752	4-30-10 0822	30	0.2	6	AMB	X	1164	4105

CLIENT COMMENTS: EW - Combined - 043010 was sampled from source area soil gas. Tid = 1 ppm

Relinquished by: (signature) [Signature] Date/Time: 4.30.10/1445

Received by: (signature) [Signature] Date/Time: 4.30.10 1445

Relinquished by: (signature) [Signature] Date/Time: 4.30.10 1455

Received by: (signature) [Signature] Date/Time: 4/30/10 17:55

Turnaround **
 7-Day
 10-Day
 Other 5
 RUSH * days

Regulations: CT Target Indoor Air (Commercial)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: CT Target Indoor Air Conc. (Commercial)
 ID = DUP
 SS = SUB SLAB
 PL = BLANK
 O = other

Matrix Codes:
 SG= SOIL GAS
 IA= INDOOR AIR
 AMB=AMBIENT
 SS = SUB SLAB
 ID = DUP
 PL = BLANK
 O = other

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

LABORATORY COMMENTS: PH

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, NELAP & 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: Mgetec Eng.
RECEIVED BY: [Signature] DATE: 4/30/10

- 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	6
Tedlar Bags	
Regulators	6
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:

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-25349
 JOB NUMBER: 3650080114

PROJECT LOCATION: Providence, RI (Gorham Site)

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
AA-1-052810	10B00062	AIR	Not Specified	to-15 ppbv	
AA-1-052810	10B00062	AIR	Not Specified	to-15 ug/m3	
EW-Combined-0528	10B00063	AIR	Not Specified	to-15 ppbv	
EW-Combined-0528	10B00063	AIR	Not Specified	to-15 ug/m3	
IA-1-052810	10B00058	AIR	Not Specified	to-15 ppbv	
IA-1-052810	10B00058	AIR	Not Specified	to-15 ug/m3	
IA-2-052810	10B00059	AIR	Not Specified	to-15 ppbv	
IA-2-052810	10B00059	AIR	Not Specified	to-15 ug/m3	
IA-3-052810	10B00060	AIR	Not Specified	to-15 ppbv	
IA-3-052810	10B00060	AIR	Not Specified	to-15 ug/m3	
IA-4-052810	10B00061	AIR	Not Specified	to-15 ppbv	
IA-4-052810	10B00061	AIR	Not Specified	to-15 ug/m3	

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 WAKEFIELD, MA 01880
 ATTN: KELLY CHATTERTON

CONTRACT NUMBER:
 PURCHASE ORDER NUMBER: 200914545

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-25349
 JOB NUMBER: 3650080114

Comments :

LIMS BATCH NO. : LIMT-25349

CASE NARRATIVE SUMMARY

In method TO-15, method blank-133055 contained Acetone at 0.92 ppbv = 2.2 ug/m3 and 2-Butanone(MEK) at 0.12 ppbv = 0.35 ug/m3.

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)
10B00058	1x	All
10B00059	1x	All
10B00060	1x	All
10B00061	1x	All
10B00061dup	1x	All
10B00062	1x	All
10B00063	20x	All
blank-133055	1x	All

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. #652
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

6/8/10

 DATE

Tod Kopyscinski Michael Erickson
 Air Laboratory Manager Laboratory Director

Chris Hall Daren Damboragian
 Project Chemist Supervisor Laboratory Manager

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

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KELLY CHATTERTON
MACTEC ENGINEERING & CONSULTING - MA
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WAKEFIELD, MA 01880

6/8/2010
Page 1 of 25

Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
Job Number: 3650080114

Field Sample # : AA-1-052810

Sample ID : 10B00062 ‡Sampled : 5/28/2010
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		06/03/10	WSD
Benzene	PPBv	0.06	0.05		06/03/10	WSD
Benzyl Chloride	PPBv	ND	0.05		06/03/10	WSD
Bromodichloromethane	PPBv	ND	0.05		06/03/10	WSD
Bromoform	PPBv	ND	0.05		06/03/10	WSD
Bromomethane	PPBv	ND	0.05		06/03/10	WSD
1,3-Butadiene	PPBv	ND	0.05		06/03/10	WSD
2-Butanone (MEK)	PPBv	0.81	0.05		06/03/10	WSD
Carbon Disulfide	PPBv	ND	0.05		06/03/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		06/03/10	WSD
Chlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		06/03/10	WSD
Chloroethane	PPBv	ND	0.05		06/03/10	WSD
Chloroform	PPBv	ND	0.05		06/03/10	WSD
Chloromethane	PPBv	0.52	0.05		06/03/10	WSD
Cyclohexane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Dichlorodifluoromethane	PPBv	0.51	0.05		06/03/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		06/03/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		06/03/10	WSD
Ethanol	PPBv	1.8	0.05		06/03/10	WSD
Ethyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Ethylbenzene	PPBv	ND	0.05		06/03/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		06/03/10	WSD
n-Heptane	PPBv	ND	0.05		06/03/10	WSD

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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6/8/2010
 Page 2 of 25

Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : AA-1-052810

Sample ID : 10B00062 ‡Sampled : 5/28/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.05		06/03/10	WSD
Hexane	PPBv	0.14	0.05		06/03/10	WSD
2-Hexanone	PPBv	0.12	0.05		06/03/10	WSD
Isopropanol	PPBv	0.65	0.05		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		06/03/10	WSD
Methylene Chloride	PPBv	ND	0.10		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		06/03/10	WSD
Propene	PPBv	ND	0.50		06/03/10	WSD
Styrene	PPBv	ND	0.05		06/03/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		06/03/10	WSD
Tetrachloroethylene	PPBv	ND	0.05		06/03/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		06/03/10	WSD
Toluene	PPBv	0.17	0.05		06/03/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
Trichloroethylene	PPBv	ND	0.05		06/03/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.25	0.05		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		06/03/10	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		06/03/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		06/03/10	WSD
Vinyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Vinyl Chloride	PPBv	ND	0.05		06/03/10	WSD
m/p-Xylene	PPBv	ND	0.10		06/03/10	WSD
o-Xylene	PPBv	ND	0.05		06/03/10	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	20	0.12		06/03/10	WSD
Benzene	ug/m3	0.19	0.16		06/03/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		06/03/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		06/03/10	WSD
Bromoform	ug/m3	ND	0.51		06/03/10	WSD
Bromomethane	ug/m3	ND	0.19		06/03/10	WSD
1,3-Butadiene	ug/m3	ND	0.11		06/03/10	WSD
2-Butanone (MEK)	ug/m3	2.4	0.15		06/03/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		06/03/10	WSD

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

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

6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : AA-1-052810

Sample ID : 10B00062 ‡Sampled : 5/28/2010
 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		06/03/10	WSD
Chlorobenzene	ug/m3	ND	0.23		06/03/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		06/03/10	WSD
Chloroethane	ug/m3	ND	0.13		06/03/10	WSD
Chloroform	ug/m3	ND	0.24		06/03/10	WSD
Chloromethane	ug/m3	1.1	0.10		06/03/10	WSD
Cyclohexane	ug/m3	ND	0.17		06/03/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		06/03/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
Dichlorodifluoromethane	ug/m3	2.5	0.25		06/03/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		06/03/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		06/03/10	WSD
Ethanol	ug/m3	3.3	0.09		06/03/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Ethylbenzene	ug/m3	ND	0.22		06/03/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		06/03/10	WSD
n-Heptane	ug/m3	ND	0.20		06/03/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		06/03/10	WSD
Hexane	ug/m3	0.51	0.18		06/03/10	WSD
2-Hexanone	ug/m3	0.49	0.20		06/03/10	WSD
Isopropanol	ug/m3	1.6	0.12		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		06/03/10	WSD
Methylene Chloride	ug/m3	ND	0.35		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		06/03/10	WSD
Propene	ug/m3	ND	0.87		06/03/10	WSD
Styrene	ug/m3	ND	0.21		06/03/10	WSD

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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

6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
Job Number: 3650080114

Field Sample # : AA-1-052810

Sample ID : 10B00062 ‡Sampled : 5/28/2010
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		06/03/10	WSD
Tetrachloroethylene	ug/m3	ND	0.34		06/03/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		06/03/10	WSD
Toluene	ug/m3	0.63	0.19		06/03/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		06/03/10	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
Trichloroethylene	ug/m3	ND	0.27		06/03/10	WSD
Trichlorofluoromethane	ug/m3	1.4	0.28		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.58	0.38		06/03/10	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		06/03/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		06/03/10	WSD
Vinyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		06/03/10	WSD
m/p-Xylene	ug/m3	ND	0.43		06/03/10	WSD
o-Xylene	ug/m3	ND	0.22		06/03/10	WSD

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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 WAKEFIELD, MA 01880

Purchase Order No.: 200914545

6/8/2010
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Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMT-25349
 Job Number: 3650080114

Field Sample # : EW-Combined-052810

Sample ID : 10B00063 ‡Sampled : 5/28/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	10	1.0		06/04/10	WSD
Benzene	PPBv	1.7	1.0		06/04/10	WSD
Benzyl Chloride	PPBv	ND	1.0		06/04/10	WSD
Bromodichloromethane	PPBv	ND	1.0		06/04/10	WSD
Bromoform	PPBv	ND	1.0		06/04/10	WSD
Bromomethane	PPBv	ND	1.0		06/04/10	WSD
1,3-Butadiene	PPBv	ND	1.0		06/04/10	WSD
2-Butanone (MEK)	PPBv	7.4	1.0		06/04/10	WSD
Carbon Disulfide	PPBv	ND	1.0		06/04/10	WSD
Carbon Tetrachloride	PPBv	ND	1.0		06/04/10	WSD
Chlorobenzene	PPBv	1.6	1.0		06/04/10	WSD
Chlorodibromomethane	PPBv	ND	1.0		06/04/10	WSD
Chloroethane	PPBv	2.7	1.0		06/04/10	WSD
Chloroform	PPBv	1.6	1.0		06/04/10	WSD
Chloromethane	PPBv	ND	1.0		06/04/10	WSD
Cyclohexane	PPBv	ND	1.0		06/04/10	WSD
1,2-Dibromoethane	PPBv	ND	1.0		06/04/10	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		06/04/10	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		06/04/10	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		06/04/10	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		06/04/10	WSD
1,1-Dichloroethane	PPBv	67	1.0		06/04/10	WSD
1,2-Dichloroethane	PPBv	ND	1.0		06/04/10	WSD
1,1-Dichloroethylene	PPBv	10	1.0		06/04/10	WSD
cis-1,2-Dichloroethylene	PPBv	66	1.0		06/04/10	WSD
t-1,2-Dichloroethylene	PPBv	1.2	1.0		06/04/10	WSD
1,2-Dichloropropane	PPBv	ND	1.0		06/04/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		06/04/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		06/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		06/04/10	WSD
Ethanol	PPBv	ND	10		06/04/10	WSD
Ethyl Acetate	PPBv	ND	1.0		06/04/10	WSD
Ethylbenzene	PPBv	ND	1.0		06/04/10	WSD
4-Ethyl Toluene	PPBv	ND	1.0		06/04/10	WSD
n-Heptane	PPBv	ND	1.0		06/04/10	WSD

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

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 WAKEFIELD, MA 01880

6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMT-25349
 Job Number: 3650080114

Field Sample # : EW-Combined-052810

Sample ID : 10B00063 ‡Sampled : 5/28/2010
 Not Specified
 Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	1.0		06/04/10	WSD
Hexane	PPBv	ND	1.0		06/04/10	WSD
2-Hexanone	PPBv	ND	1.0		06/04/10	WSD
Isopropanol	PPBv	ND	1.0		06/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		06/04/10	WSD
Methylene Chloride	PPBv	ND	2.0		06/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		06/04/10	WSD
Propene	PPBv	ND	10		06/04/10	WSD
Styrene	PPBv	ND	1.0		06/04/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		06/04/10	WSD
Tetrachloroethylene	PPBv	190	1.0		06/04/10	WSD
Tetrahydrofuran	PPBv	18	1.0		06/04/10	WSD
Toluene	PPBv	ND	1.0		06/04/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		06/04/10	WSD
1,1,1-Trichloroethane	PPBv	320	1.0		06/04/10	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		06/04/10	WSD
Trichloroethylene	PPBv	360	1.0		06/04/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	53	1.0		06/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		06/04/10	WSD
1,2,4-Trimethylbenzene	PPBv	ND	1.0		06/04/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	1.0		06/04/10	WSD
Vinyl Acetate	PPBv	ND	1.0		06/04/10	WSD
Vinyl Chloride	PPBv	ND	1.0		06/04/10	WSD
m/p-Xylene	PPBv	ND	2.0		06/04/10	WSD
o-Xylene	PPBv	ND	1.0		06/04/10	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	24	2.4		06/04/10	WSD
Benzene	ug/m3	5.5	3.2		06/04/10	WSD
Benzyl Chloride	ug/m3	ND	5.2		06/04/10	WSD
Bromodichloromethane	ug/m3	ND	6.6		06/04/10	WSD
Bromoform	ug/m3	ND	11		06/04/10	WSD
Bromomethane	ug/m3	ND	3.8		06/04/10	WSD
1,3-Butadiene	ug/m3	ND	2.2		06/04/10	WSD
2-Butanone (MEK)	ug/m3	22	3.0		06/04/10	WSD
Carbon Disulfide	ug/m3	ND	3.2		06/04/10	WSD

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

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

Purchase Order No.: 200914545

6/8/2010
Page 7 of 25

Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
Job Number: 3650080114

Field Sample # : EW-Combined-052810

Sample ID : 10B00063 ‡Sampled : 5/28/2010
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	6.2		06/04/10	WSD
Chlorobenzene	ug/m3	7.2	4.6		06/04/10	WSD
Chlorodibromomethane	ug/m3	ND	8.6		06/04/10	WSD
Chloroethane	ug/m3	7.2	2.6		06/04/10	WSD
Chloroform	ug/m3	7.9	4.8		06/04/10	WSD
Chloromethane	ug/m3	ND	2.0		06/04/10	WSD
Cyclohexane	ug/m3	ND	3.4		06/04/10	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		06/04/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		06/04/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		06/04/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		06/04/10	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		06/04/10	WSD
1,1-Dichloroethane	ug/m3	270	4.0		06/04/10	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		06/04/10	WSD
1,1-Dichloroethylene	ug/m3	40	4.0		06/04/10	WSD
cis-1,2-Dichloroethylene	ug/m3	260	4.0		06/04/10	WSD
t-1,2-Dichloroethylene	ug/m3	4.6	4.0		06/04/10	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		06/04/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		06/04/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		06/04/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		06/04/10	WSD
Ethanol	ug/m3	ND	19		06/04/10	WSD
Ethyl Acetate	ug/m3	ND	3.6		06/04/10	WSD
Ethylbenzene	ug/m3	ND	4.4		06/04/10	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		06/04/10	WSD
n-Heptane	ug/m3	ND	4.0		06/04/10	WSD
Hexachlorobutadiene	ug/m3	ND	11		06/04/10	WSD
Hexane	ug/m3	ND	3.6		06/04/10	WSD
2-Hexanone	ug/m3	ND	4.0		06/04/10	WSD
Isopropanol	ug/m3	ND	2.4		06/04/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		06/04/10	WSD
Methylene Chloride	ug/m3	ND	7.0		06/04/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		06/04/10	WSD
Propene	ug/m3	ND	18		06/04/10	WSD
Styrene	ug/m3	ND	4.2		06/04/10	WSD

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

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

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

Purchase Order No.: 200914545

6/8/2010
 Page 8 of 25

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : EW-Combined-052810

Sample ID : 10B00063 ‡Sampled : 5/28/2010
 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	6.8		06/04/10	WSD
Tetrachloroethylene	ug/m3	1300	6.8		06/04/10	WSD
Tetrahydrofuran	ug/m3	54	3.0		06/04/10	WSD
Toluene	ug/m3	ND	3.8		06/04/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		06/04/10	WSD
1,1,1-Trichloroethane	ug/m3	1700	5.4		06/04/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		06/04/10	WSD
Trichloroethylene	ug/m3	2000	5.4		06/04/10	WSD
Trichlorofluoromethane	ug/m3	300	5.6		06/04/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		06/04/10	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		06/04/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		06/04/10	WSD
Vinyl Acetate	ug/m3	ND	3.6		06/04/10	WSD
Vinyl Chloride	ug/m3	ND	2.6		06/04/10	WSD
m/p-Xylene	ug/m3	ND	8.6		06/04/10	WSD
o-Xylene	ug/m3	ND	4.4		06/04/10	WSD

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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

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

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Purchase Order No.: 200914545

6/8/2010
 Page 9 of 25

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-1-052810

Sample ID : 10B00058 ‡Sampled : 5/28/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.6	0.05		06/03/10	WSD
Benzene	PPBv	0.16	0.05		06/03/10	WSD
Benzyl Chloride	PPBv	ND	0.05		06/03/10	WSD
Bromodichloromethane	PPBv	ND	0.05		06/03/10	WSD
Bromoform	PPBv	ND	0.05		06/03/10	WSD
Bromomethane	PPBv	ND	0.05		06/03/10	WSD
1,3-Butadiene	PPBv	ND	0.05		06/03/10	WSD
2-Butanone (MEK)	PPBv	0.87	0.05		06/03/10	WSD
Carbon Disulfide	PPBv	ND	0.05		06/03/10	WSD
Carbon Tetrachloride	PPBv	0.09	0.05		06/03/10	WSD
Chlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		06/03/10	WSD
Chloroethane	PPBv	ND	0.05		06/03/10	WSD
Chloroform	PPBv	ND	0.05		06/03/10	WSD
Chloromethane	PPBv	0.56	0.05		06/03/10	WSD
Cyclohexane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Dichlorodifluoromethane	PPBv	0.47	0.05		06/03/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		06/03/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		06/03/10	WSD
Ethanol	PPBv	3.2	0.05		06/03/10	WSD
Ethyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Ethylbenzene	PPBv	0.07	0.05		06/03/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		06/03/10	WSD
n-Heptane	PPBv	ND	0.05		06/03/10	WSD

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

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

6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-1-052810

Sample ID : 10B00058 ‡Sampled : 5/28/2010
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.05		06/03/10	WSD
Hexane	PPBv	0.23	0.05		06/03/10	WSD
2-Hexanone	PPBv	0.16	0.05		06/03/10	WSD
Isopropanol	PPBv	ND	0.05		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		06/03/10	WSD
Methylene Chloride	PPBv	ND	0.10		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	0.07	0.05		06/03/10	WSD
Propene	PPBv	ND	0.50		06/03/10	WSD
Styrene	PPBv	0.06	0.05		06/03/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		06/03/10	WSD
Tetrachloroethylene	PPBv	0.08	0.05		06/03/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		06/03/10	WSD
Toluene	PPBv	0.24	0.05		06/03/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,1,1-Trichloroethane	PPBv	0.06	0.05		06/03/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
Trichloroethylene	PPBv	ND	0.05		06/03/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		06/03/10	WSD
1,2,4-Trimethylbenzene	PPBv	0.08	0.05		06/03/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		06/03/10	WSD
Vinyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Vinyl Chloride	PPBv	ND	0.05		06/03/10	WSD
m/p-Xylene	PPBv	0.24	0.10		06/03/10	WSD
o-Xylene	PPBv	0.11	0.05		06/03/10	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	18	0.12		06/03/10	WSD
Benzene	ug/m3	0.50	0.16		06/03/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		06/03/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		06/03/10	WSD
Bromoform	ug/m3	ND	0.51		06/03/10	WSD
Bromomethane	ug/m3	ND	0.19		06/03/10	WSD
1,3-Butadiene	ug/m3	ND	0.11		06/03/10	WSD
2-Butanone (MEK)	ug/m3	2.6	0.15		06/03/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		06/03/10	WSD

RL = Reporting Limit

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

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

 6/8/2010
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 Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

 LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-1-052810

Sample ID : 10B00058 ‡Sampled : 5/28/2010
 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		06/03/10	WSD
Chlorobenzene	ug/m3	ND	0.23		06/03/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		06/03/10	WSD
Chloroethane	ug/m3	ND	0.13		06/03/10	WSD
Chloroform	ug/m3	ND	0.24		06/03/10	WSD
Chloromethane	ug/m3	1.2	0.10		06/03/10	WSD
Cyclohexane	ug/m3	ND	0.17		06/03/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		06/03/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
Dichlorodifluoromethane	ug/m3	2.3	0.25		06/03/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		06/03/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		06/03/10	WSD
Ethanol	ug/m3	6.0	0.09		06/03/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Ethylbenzene	ug/m3	0.29	0.22		06/03/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		06/03/10	WSD
n-Heptane	ug/m3	ND	0.20		06/03/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		06/03/10	WSD
Hexane	ug/m3	0.80	0.18		06/03/10	WSD
2-Hexanone	ug/m3	0.67	0.20		06/03/10	WSD
Isopropanol	ug/m3	ND	0.12		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		06/03/10	WSD
Methylene Chloride	ug/m3	ND	0.35		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.28	0.20		06/03/10	WSD
Propene	ug/m3	ND	0.87		06/03/10	WSD
Styrene	ug/m3	0.25	0.21		06/03/10	WSD

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



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

6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMT-25349
Job Number: 3650080114

Field Sample # : IA-1-052810

Sample ID : 10B00058 ‡Sampled : 5/28/2010
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		06/03/10	WSD
Tetrachloroethylene	ug/m3	0.55	0.34		06/03/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		06/03/10	WSD
Toluene	ug/m3	0.91	0.19		06/03/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		06/03/10	WSD
1,1,1-Trichloroethane	ug/m3	0.33	0.27		06/03/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
Trichloroethylene	ug/m3	ND	0.27		06/03/10	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.59	0.38		06/03/10	WSD
1,2,4-Trimethylbenzene	ug/m3	0.40	0.25		06/03/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		06/03/10	WSD
Vinyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		06/03/10	WSD
m/p-Xylene	ug/m3	1.1	0.43		06/03/10	WSD
o-Xylene	ug/m3	0.46	0.22		06/03/10	WSD

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NM = Not Measured

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

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 WAKEFIELD, MA 01880

Purchase Order No.: 200914545

6/8/2010
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Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-2-052810

Sample ID : **10B00059** ‡Sampled : 5/28/2010
 Not Specified
 Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.5	0.05		06/03/10	WSD
Benzene	PPBv	0.15	0.05		06/03/10	WSD
Benzyl Chloride	PPBv	ND	0.05		06/03/10	WSD
Bromodichloromethane	PPBv	ND	0.05		06/03/10	WSD
Bromoform	PPBv	ND	0.05		06/03/10	WSD
Bromomethane	PPBv	ND	0.05		06/03/10	WSD
1,3-Butadiene	PPBv	ND	0.05		06/03/10	WSD
2-Butanone (MEK)	PPBv	1.0	0.05		06/03/10	WSD
Carbon Disulfide	PPBv	ND	0.05		06/03/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		06/03/10	WSD
Chlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		06/03/10	WSD
Chloroethane	PPBv	ND	0.05		06/03/10	WSD
Chloroform	PPBv	ND	0.05		06/03/10	WSD
Chloromethane	PPBv	0.59	0.05		06/03/10	WSD
Cyclohexane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Dichlorodifluoromethane	PPBv	0.49	0.05		06/03/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		06/03/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		06/03/10	WSD
Ethanol	PPBv	2.7	0.05		06/03/10	WSD
Ethyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Ethylbenzene	PPBv	0.06	0.05		06/03/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		06/03/10	WSD
n-Heptane	PPBv	ND	0.05		06/03/10	WSD

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

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-2-052810

Sample ID : 10B00059 ‡Sampled : 5/28/2010
 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		06/03/10	WSD
Hexane	PPBv	0.15	0.05		06/03/10	WSD
2-Hexanone	PPBv	0.21	0.05		06/03/10	WSD
Isopropanol	PPBv	ND	0.05		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		06/03/10	WSD
Methylene Chloride	PPBv	ND	0.10		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	0.07	0.05		06/03/10	WSD
Propene	PPBv	ND	0.50		06/03/10	WSD
Styrene	PPBv	0.06	0.05		06/03/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		06/03/10	WSD
Tetrachloroethylene	PPBv	0.06	0.05		06/03/10	WSD
Tetrahydrofuran	PPBv	ND	0.05		06/03/10	WSD
Toluene	PPBv	0.24	0.05		06/03/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
Trichloroethylene	PPBv	ND	0.05		06/03/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		06/03/10	WSD
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		06/03/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		06/03/10	WSD
Vinyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Vinyl Chloride	PPBv	ND	0.05		06/03/10	WSD
m/p-Xylene	PPBv	0.22	0.10		06/03/10	WSD
o-Xylene	PPBv	0.10	0.05		06/03/10	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	18	0.12		06/03/10	WSD
Benzene	ug/m3	0.47	0.16		06/03/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		06/03/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		06/03/10	WSD
Bromoform	ug/m3	ND	0.51		06/03/10	WSD
Bromomethane	ug/m3	ND	0.19		06/03/10	WSD
1,3-Butadiene	ug/m3	ND	0.11		06/03/10	WSD
2-Butanone (MEK)	ug/m3	3.1	0.15		06/03/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		06/03/10	WSD

RL = Reporting Limit

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NM = Not Measured

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

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6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
Job Number: 3650080114

Field Sample # : IA-2-052810

Sample ID : 10B00059 ‡Sampled : 5/28/2010
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		06/03/10	WSD
Chlorobenzene	ug/m3	ND	0.23		06/03/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		06/03/10	WSD
Chloroethane	ug/m3	ND	0.13		06/03/10	WSD
Chloroform	ug/m3	ND	0.24		06/03/10	WSD
Chloromethane	ug/m3	1.2	0.10		06/03/10	WSD
Cyclohexane	ug/m3	ND	0.17		06/03/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		06/03/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
Dichlorodifluoromethane	ug/m3	2.4	0.25		06/03/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		06/03/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		06/03/10	WSD
Ethanol	ug/m3	5.0	0.09		06/03/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Ethylbenzene	ug/m3	0.24	0.22		06/03/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		06/03/10	WSD
n-Heptane	ug/m3	ND	0.20		06/03/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		06/03/10	WSD
Hexane	ug/m3	0.51	0.18		06/03/10	WSD
2-Hexanone	ug/m3	0.84	0.20		06/03/10	WSD
Isopropanol	ug/m3	ND	0.12		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		06/03/10	WSD
Methylene Chloride	ug/m3	ND	0.35		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.28	0.20		06/03/10	WSD
Propene	ug/m3	ND	0.87		06/03/10	WSD
Styrene	ug/m3	0.25	0.21		06/03/10	WSD

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

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

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
Job Number: 3650080114

Field Sample # : IA-2-052810

Sample ID : 10B00059 ‡Sampled : 5/28/2010
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		06/03/10	WSD
Tetrachloroethylene	ug/m3	0.43	0.34		06/03/10	WSD
Tetrahydrofuran	ug/m3	ND	0.15		06/03/10	WSD
Toluene	ug/m3	0.91	0.19		06/03/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		06/03/10	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
Trichloroethylene	ug/m3	ND	0.27		06/03/10	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.53	0.38		06/03/10	WSD
1,2,4-Trimethylbenzene	ug/m3	0.35	0.25		06/03/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		06/03/10	WSD
Vinyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		06/03/10	WSD
m/p-Xylene	ug/m3	0.96	0.43		06/03/10	WSD
o-Xylene	ug/m3	0.44	0.22		06/03/10	WSD

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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6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-3-052810

Sample ID : 10B00060 ‡Sampled : 5/28/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.5	0.05		06/03/10	WSD
Benzene	PPBv	0.15	0.05		06/03/10	WSD
Benzyl Chloride	PPBv	ND	0.05		06/03/10	WSD
Bromodichloromethane	PPBv	ND	0.05		06/03/10	WSD
Bromoform	PPBv	ND	0.05		06/03/10	WSD
Bromomethane	PPBv	ND	0.05		06/03/10	WSD
1,3-Butadiene	PPBv	ND	0.05		06/03/10	WSD
2-Butanone (MEK)	PPBv	0.76	0.05		06/03/10	WSD
Carbon Disulfide	PPBv	ND	0.05		06/03/10	WSD
Carbon Tetrachloride	PPBv	0.09	0.05		06/03/10	WSD
Chlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		06/03/10	WSD
Chloroethane	PPBv	ND	0.05		06/03/10	WSD
Chloroform	PPBv	ND	0.05		06/03/10	WSD
Chloromethane	PPBv	0.59	0.05		06/03/10	WSD
Cyclohexane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Dichlorodifluoromethane	PPBv	0.50	0.05		06/03/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		06/03/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		06/03/10	WSD
Ethanol	PPBv	2.9	0.05		06/03/10	WSD
Ethyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Ethylbenzene	PPBv	0.05	0.05		06/03/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		06/03/10	WSD
n-Heptane	PPBv	ND	0.05		06/03/10	WSD

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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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-3-052810

Sample ID : 10B00060 ‡Sampled : 5/28/2010
 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		06/03/10	WSD
Hexane	PPBv	0.16	0.05		06/03/10	WSD
2-Hexanone	PPBv	0.13	0.05		06/03/10	WSD
Isopropanol	PPBv	ND	0.05		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		06/03/10	WSD
Methylene Chloride	PPBv	ND	0.10		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		06/03/10	WSD
Propene	PPBv	ND	0.50		06/03/10	WSD
Styrene	PPBv	0.05	0.05		06/03/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		06/03/10	WSD
Tetrachloroethylene	PPBv	0.05	0.05		06/03/10	WSD
Tetrahydrofuran	PPBv	0.05	0.05		06/03/10	WSD
Toluene	PPBv	0.25	0.05		06/03/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
Trichloroethylene	PPBv	ND	0.05		06/03/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		06/03/10	WSD
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		06/03/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		06/03/10	WSD
Vinyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Vinyl Chloride	PPBv	ND	0.05		06/03/10	WSD
m/p-Xylene	PPBv	0.23	0.10		06/03/10	WSD
o-Xylene	PPBv	0.10	0.05		06/03/10	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	15	0.12		06/03/10	WSD
Benzene	ug/m3	0.47	0.16		06/03/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		06/03/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		06/03/10	WSD
Bromoform	ug/m3	ND	0.51		06/03/10	WSD
Bromomethane	ug/m3	ND	0.19		06/03/10	WSD
1,3-Butadiene	ug/m3	ND	0.11		06/03/10	WSD
2-Butanone (MEK)	ug/m3	2.2	0.15		06/03/10	WSD
Carbon Disulfide	ug/m3	ND	0.16		06/03/10	WSD

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

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 WAKEFIELD, MA 01880

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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-3-052810

Sample ID : 10B00060 ‡Sampled : 5/28/2010
 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	0.54	0.31		06/03/10	WSD
Chlorobenzene	ug/m3	ND	0.23		06/03/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		06/03/10	WSD
Chloroethane	ug/m3	ND	0.13		06/03/10	WSD
Chloroform	ug/m3	ND	0.24		06/03/10	WSD
Chloromethane	ug/m3	1.2	0.10		06/03/10	WSD
Cyclohexane	ug/m3	ND	0.17		06/03/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		06/03/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
Dichlorodifluoromethane	ug/m3	2.5	0.25		06/03/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		06/03/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		06/03/10	WSD
Ethanol	ug/m3	5.5	0.09		06/03/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Ethylbenzene	ug/m3	0.23	0.22		06/03/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		06/03/10	WSD
n-Heptane	ug/m3	ND	0.20		06/03/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		06/03/10	WSD
Hexane	ug/m3	0.55	0.18		06/03/10	WSD
2-Hexanone	ug/m3	0.52	0.20		06/03/10	WSD
Isopropanol	ug/m3	ND	0.12		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		06/03/10	WSD
Methylene Chloride	ug/m3	ND	0.35		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		06/03/10	WSD
Propene	ug/m3	ND	0.87		06/03/10	WSD
Styrene	ug/m3	0.23	0.21		06/03/10	WSD

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

Purchase Order No.: 200914545

6/8/2010
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Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
Job Number: 3650080114

Field Sample # : IA-3-052810

Sample ID : 10B00060 ‡Sampled : 5/28/2010
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		06/03/10	WSD
Tetrachloroethylene	ug/m3	0.35	0.34		06/03/10	WSD
Tetrahydrofuran	ug/m3	0.16	0.15		06/03/10	WSD
Toluene	ug/m3	0.93	0.19		06/03/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		06/03/10	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
Trichloroethylene	ug/m3	ND	0.27		06/03/10	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.52	0.38		06/03/10	WSD
1,2,4-Trimethylbenzene	ug/m3	0.34	0.25		06/03/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		06/03/10	WSD
Vinyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		06/03/10	WSD
m/p-Xylene	ug/m3	0.99	0.43		06/03/10	WSD
o-Xylene	ug/m3	0.43	0.22		06/03/10	WSD

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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6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-4-052810

Sample ID : 10B00061 ‡Sampled : 5/28/2010
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.5	0.05		06/03/10	WSD
Benzene	PPBv	0.15	0.05		06/03/10	WSD
Benzyl Chloride	PPBv	ND	0.05		06/03/10	WSD
Bromodichloromethane	PPBv	ND	0.05		06/03/10	WSD
Bromoform	PPBv	ND	0.05		06/03/10	WSD
Bromomethane	PPBv	ND	0.05		06/03/10	WSD
1,3-Butadiene	PPBv	ND	0.05		06/03/10	WSD
2-Butanone (MEK)	PPBv	0.75	0.05		06/03/10	WSD
Carbon Disulfide	PPBv	0.10	0.05		06/03/10	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		06/03/10	WSD
Chlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Chlorodibromomethane	PPBv	ND	0.05		06/03/10	WSD
Chloroethane	PPBv	ND	0.05		06/03/10	WSD
Chloroform	PPBv	ND	0.05		06/03/10	WSD
Chloromethane	PPBv	0.59	0.05		06/03/10	WSD
Cyclohexane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dibromoethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
Dichlorodifluoromethane	PPBv	0.50	0.05		06/03/10	WSD
1,1-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloroethane	PPBv	ND	0.05		06/03/10	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichloropropane	PPBv	ND	0.05		06/03/10	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		06/03/10	WSD
Ethanol	PPBv	3.2	0.05		06/03/10	WSD
Ethyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Ethylbenzene	PPBv	0.06	0.05		06/03/10	WSD
4-Ethyl Toluene	PPBv	ND	0.05		06/03/10	WSD
n-Heptane	PPBv	ND	0.05		06/03/10	WSD

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

KELLY CHATTERTON
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 WAKEFIELD, MA 01880

6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-4-052810

Sample ID : 10B00061 ‡Sampled : 5/28/2010
 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		06/03/10	WSD
Hexane	PPBv	0.16	0.05		06/03/10	WSD
2-Hexanone	PPBv	0.13	0.05		06/03/10	WSD
Isopropanol	PPBv	1.8	0.05		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		06/03/10	WSD
Methylene Chloride	PPBv	ND	0.10		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		06/03/10	WSD
Propene	PPBv	ND	0.50		06/03/10	WSD
Styrene	PPBv	0.05	0.05		06/03/10	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		06/03/10	WSD
Tetrachloroethylene	PPBv	0.06	0.05		06/03/10	WSD
Tetrahydrofuran	PPBv	0.06	0.05		06/03/10	WSD
Toluene	PPBv	0.26	0.05		06/03/10	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		06/03/10	WSD
1,1,1-Trichloroethane	PPBv	0.05	0.05		06/03/10	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		06/03/10	WSD
Trichloroethylene	PPBv	ND	0.05		06/03/10	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		06/03/10	WSD
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		06/03/10	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		06/03/10	WSD
Vinyl Acetate	PPBv	ND	0.05		06/03/10	WSD
Vinyl Chloride	PPBv	ND	0.05		06/03/10	WSD
m/p-Xylene	PPBv	0.22	0.10		06/03/10	WSD
o-Xylene	PPBv	0.10	0.05		06/03/10	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	15	0.12		06/03/10	WSD
Benzene	ug/m3	0.48	0.16		06/03/10	WSD
Benzyl Chloride	ug/m3	ND	0.26		06/03/10	WSD
Bromodichloromethane	ug/m3	ND	0.33		06/03/10	WSD
Bromoform	ug/m3	ND	0.51		06/03/10	WSD
Bromomethane	ug/m3	ND	0.19		06/03/10	WSD
1,3-Butadiene	ug/m3	ND	0.11		06/03/10	WSD
2-Butanone (MEK)	ug/m3	2.2	0.15		06/03/10	WSD
Carbon Disulfide	ug/m3	0.31	0.16		06/03/10	WSD

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

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

6/8/2010
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Purchase Order No.: 200914545

Project Location: Providence, RI (Gorham Site)
 Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
 Job Number: 3650080114

Field Sample # : IA-4-052810

Sample ID : 10B00061 ‡Sampled : 5/28/2010
 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		06/03/10	WSD
Chlorobenzene	ug/m3	ND	0.23		06/03/10	WSD
Chlorodibromomethane	ug/m3	ND	0.43		06/03/10	WSD
Chloroethane	ug/m3	ND	0.13		06/03/10	WSD
Chloroform	ug/m3	ND	0.24		06/03/10	WSD
Chloromethane	ug/m3	1.2	0.10		06/03/10	WSD
Cyclohexane	ug/m3	ND	0.17		06/03/10	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		06/03/10	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		06/03/10	WSD
Dichlorodifluoromethane	ug/m3	2.5	0.25		06/03/10	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		06/03/10	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		06/03/10	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		06/03/10	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		06/03/10	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		06/03/10	WSD
Ethanol	ug/m3	6.1	0.09		06/03/10	WSD
Ethyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Ethylbenzene	ug/m3	0.25	0.22		06/03/10	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		06/03/10	WSD
n-Heptane	ug/m3	ND	0.20		06/03/10	WSD
Hexachlorobutadiene	ug/m3	ND	0.53		06/03/10	WSD
Hexane	ug/m3	0.55	0.18		06/03/10	WSD
2-Hexanone	ug/m3	0.54	0.20		06/03/10	WSD
Isopropanol	ug/m3	4.4	0.12		06/03/10	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		06/03/10	WSD
Methylene Chloride	ug/m3	ND	0.35		06/03/10	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		06/03/10	WSD
Propene	ug/m3	ND	0.87		06/03/10	WSD
Styrene	ug/m3	0.22	0.21		06/03/10	WSD

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

KELLY CHATTERTON

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200914545

6/8/2010

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Project Location: Providence, RI (Gorham Site)

LIMS-BAT #: LIMIT-25349

Date Received: 6/1/2010

Job Number: 3650080114

Field Sample # : IA-4-052810**Sample ID : 10B00061**

‡Sampled : 5/28/2010

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		06/03/10	WSD
Tetrachloroethylene	ug/m3	0.44	0.34		06/03/10	WSD
Tetrahydrofuran	ug/m3	0.19	0.15		06/03/10	WSD
Toluene	ug/m3	0.98	0.19		06/03/10	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		06/03/10	WSD
1,1,1-Trichloroethane	ug/m3	0.28	0.27		06/03/10	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		06/03/10	WSD
Trichloroethylene	ug/m3	ND	0.27		06/03/10	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		06/03/10	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.51	0.38		06/03/10	WSD
1,2,4-Trimethylbenzene	ug/m3	0.34	0.25		06/03/10	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		06/03/10	WSD
Vinyl Acetate	ug/m3	ND	0.18		06/03/10	WSD
Vinyl Chloride	ug/m3	ND	0.13		06/03/10	WSD
m/p-Xylene	ug/m3	0.98	0.43		06/03/10	WSD
o-Xylene	ug/m3	0.44	0.22		06/03/10	WSD

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

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

6/8/2010
Page 25 of 25

Project Location: Providence, RI (Gorham Site)
Date Received: 6/1/2010

LIMS-BAT #: LIMIT-25349
Job Number: 3650080114

** END OF REPORT **

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

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

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QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00058	4-Bromofluorobenzene	Surrogate Recovery	91.00	%	70-130
10B00059	4-Bromofluorobenzene	Surrogate Recovery	90.37	%	70-130
10B00060	4-Bromofluorobenzene	Surrogate Recovery	91.25	%	70-130
10B00061	Acetone	Sample Amount	15.40	ug/m3	
		Duplicate Value	15.62	ug/m3	
		Duplicate RPD	1.37	%	
	Benzene	Sample Amount	0.48	ug/m3	
		Duplicate Value	0.50	ug/m3	
		Duplicate RPD	3.23	%	
	Carbon Tetrachloride	Sample Amount	0.52	ug/m3	
		Duplicate Value	0.48	ug/m3	
		Duplicate RPD	7.50	%	
	Ethylbenzene	Sample Amount	0.24	ug/m3	
		Duplicate Value	0.23	ug/m3	
		Duplicate RPD	3.57	%	
	Hexane	Sample Amount	0.55	ug/m3	
		Duplicate Value	0.55	ug/m3	
		Duplicate RPD	0.63	%	
	Isopropanol	Sample Amount	4.40	ug/m3	
		Duplicate Value	3.48	ug/m3	
		Duplicate RPD	23.38	%	
	2-Butanone (MEK)	Sample Amount	2.19	ug/m3	
		Duplicate Value	2.26	ug/m3	
		Duplicate RPD	2.90	%	
	Styrene	Sample Amount	0.22	ug/m3	
		Duplicate Value	0.21	ug/m3	
		Duplicate RPD	3.92	%	
	Tetrachloroethylene	Sample Amount	0.44	ug/m3	
		Duplicate Value	0.43	ug/m3	
		Duplicate RPD	1.55	%	
	Toluene	Sample Amount	0.98	ug/m3	
		Duplicate Value	0.99	ug/m3	
		Duplicate RPD	1.52	%	
	1,1,1-Trichloroethane	Sample Amount	0.28	ug/m3	
		Duplicate Value	0.27	ug/m3	
		Duplicate RPD	1.94	%	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	0.50	ug/m3	
		Duplicate Value	0.54	ug/m3	
		Duplicate RPD	7.29	%	
	Trichlorofluoromethane	Sample Amount	1.25	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

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QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
10B00061	Trichlorofluoromethane	Duplicate Value	1.29	ug/m3	
		Duplicate RPD	3.09	%	
	o-Xylene	Sample Amount	0.44	ug/m3	
		Duplicate Value	0.42	ug/m3	
		Duplicate RPD	5.02	%	
	m/p-Xylene	Sample Amount	0.97	ug/m3	
		Duplicate Value	1.02	ug/m3	
		Duplicate RPD	4.77	%	
	Ethanol	Sample Amount	6.05	ug/m3	
		Duplicate Value	5.79	ug/m3	
		Duplicate RPD	4.35	%	
	Chloromethane	Sample Amount	1.22	ug/m3	
		Duplicate Value	1.19	ug/m3	
		Duplicate RPD	2.22	%	
	1,2,4-Trimethylbenzene	Sample Amount	0.34	ug/m3	
		Duplicate Value	0.33	ug/m3	
		Duplicate RPD	1.43	%	
	Dichlorodifluoromethane	Sample Amount	2.47	ug/m3	
		Duplicate Value	2.50	ug/m3	
		Duplicate RPD	1.19	%	
	Carbon Disulfide	Sample Amount	0.31	ug/m3	
		Duplicate Value	0.32	ug/m3	
		Duplicate RPD	2.92	%	
	2-Hexanone	Sample Amount	0.54	ug/m3	
		Duplicate Value	0.52	ug/m3	
		Duplicate RPD	3.05	%	
	4-Bromofluorobenzene	Surrogate Recovery	91.50	%	70-130
	Tetrahydrofuran	Sample Amount	0.19	ug/m3	
		Duplicate Value	0.19	ug/m3	
		Duplicate RPD	0.00	%	
10B00062	4-Bromofluorobenzene	Surrogate Recovery	97.87	%	70-130
10B00063	4-Bromofluorobenzene	Surrogate Recovery	93.87	%	70-130
BLANK-133055	Acetone	Blank	2.20	ug/m3	
	Benzene	Blank	<0.16	ug/m3	
	Carbon Tetrachloride	Blank	<0.31	ug/m3	
	Chloroform	Blank	<0.24	ug/m3	
	1,2-Dichloroethane	Blank	<0.20	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.30	ug/m3	
	Ethyl Acetate	Blank	<0.18	ug/m3	
	Ethylbenzene	Blank	<0.22	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

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QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133055					
	Hexane	Blank	<0.18	ug/m3	
	Isopropanol	Blank	<0.12	ug/m3	
	2-Butanone (MEK)	Blank	0.35	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<0.20	ug/m3	
	Styrene	Blank	<0.21	ug/m3	
	Tetrachloroethylene	Blank	<0.34	ug/m3	
	Toluene	Blank	<0.19	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.27	ug/m3	
	Trichloroethylene	Blank	<0.27	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.38	ug/m3	
	Trichlorofluoromethane	Blank	<0.28	ug/m3	
	o-Xylene	Blank	<0.22	ug/m3	
	m/p-Xylene	Blank	<0.43	ug/m3	
	1,2-Dichlorobenzene	Blank	<0.30	ug/m3	
	1,3-Dichlorobenzene	Blank	<0.30	ug/m3	
	1,1-Dichloroethane	Blank	<0.20	ug/m3	
	1,1-Dichloroethylene	Blank	<0.20	ug/m3	
	Ethanol	Blank	<0.95	ug/m3	
	4-Ethyl Toluene	Blank	<0.25	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<0.18	ug/m3	
	t-1,2-Dichloroethylene	Blank	<0.20	ug/m3	
	Vinyl Chloride	Blank	<0.13	ug/m3	
	Methylene Chloride	Blank	<0.35	ug/m3	
	Chlorobenzene	Blank	<0.23	ug/m3	
	Chloromethane	Blank	<0.10	ug/m3	
	Bromomethane	Blank	<0.19	ug/m3	
	Chloroethane	Blank	<0.13	ug/m3	
	cis-1,3-Dichloropropene	Blank	<0.22	ug/m3	
	trans-1,3-Dichloropropene	Blank	<0.22	ug/m3	
	Chlorodibromomethane	Blank	<0.43	ug/m3	
	1,1,2-Trichloroethane	Blank	<0.27	ug/m3	
	Bromoform	Blank	<0.51	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<0.34	ug/m3	
	Hexachlorobutadiene	Blank	<0.53	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.37	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.25	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.25	ug/m3	
	Cyclohexane	Blank	<0.17	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.20	ug/m3	
	1,2-Dichloropropane	Blank	<0.23	ug/m3	
	Dichlorodifluoromethane	Blank	<0.25	ug/m3	
	Benzyl Chloride	Blank	<0.26	ug/m3	
	Carbon Disulfide	Blank	<0.16	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

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QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-133055					
	Vinyl Acetate	Blank	<0.18	ug/m3	
	2-Hexanone	Blank	<0.20	ug/m3	
	Bromodichloromethane	Blank	<0.33	ug/m3	
	1,2-Dibromoethane	Blank	<0.38	ug/m3	
	n-Heptane	Blank	<0.20	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.35	ug/m3	
	Tetrahydrofuran	Blank	<0.15	ug/m3	
	Propene	Blank	<0.87	ug/m3	
	1,3-Butadiene	Blank	<0.11	ug/m3	
LFBLANK-95384					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	12.81	ug/m3	
		Lab Fort Blk. % Rec.	107.92	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	15.60	ug/m3	
		Lab Fort Blk. % Rec.	97.84	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	34.07	ug/m3	
		Lab Fort Blk. % Rec.	108.34	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	23.23	ug/m3	
		Lab Fort Blk. % Rec.	95.46	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	19.99	ug/m3	
		Lab Fort Blk. % Rec.	98.78	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	31.54	ug/m3	
		Lab Fort Blk. % Rec.	104.94	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	17.05	ug/m3	
		Lab Fort Blk. % Rec.	94.67	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	21.90	ug/m3	
		Lab Fort Blk. % Rec.	101.06	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	16.88	ug/m3	
		Lab Fort Blk. % Rec.	95.84	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	8.89	ug/m3	
		Lab Fort Blk. % Rec.	72.38	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.98	ug/m3	
		Lab Fort Blk. % Rec.	88.10	%	70-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

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QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95384					
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	19.91	ug/m3	
		Lab Fort Blk. % Rec.	97.23	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	21.32	ug/m3	
		Lab Fort Blk. % Rec.	100.26	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	33.09	ug/m3	
		Lab Fort Blk. % Rec.	97.61	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	18.12	ug/m3	
		Lab Fort Blk. % Rec.	96.36	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	29.31	ug/m3	
		Lab Fort Blk. % Rec.	107.46	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	27.80	ug/m3	
		Lab Fort Blk. % Rec.	103.48	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	37.90	ug/m3	
		Lab Fort Blk. % Rec.	98.92	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	27.95	ug/m3	
		Lab Fort Blk. % Rec.	99.51	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	22.87	ug/m3	
		Lab Fort Blk. % Rec.	105.32	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	45.63	ug/m3	
		Lab Fort Blk. % Rec.	105.07	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	30.90	ug/m3	
		Lab Fort Blk. % Rec.	102.82	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	31.63	ug/m3	
		Lab Fort Blk. % Rec.	105.24	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.80	ug/m3	
		Lab Fort Blk. % Rec.	92.88	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	20.00	ug/m3	
		Lab Fort Blk. % Rec.	100.86	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

Page 6 of 9

QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95384	Ethanol	Lab Fort Blk. Found	6.15	ug/m3	
		Lab Fort Blk. % Rec.	65.35	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.32	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	103.02	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. Found	16.13	ug/m3	
		Lab Fort Blk. % Rec.	89.51	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	18.97	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	95.72	%	70-130
		Lab Fort Blank Amt.	12.78	ug/m3	
	Chlorobenzene	Lab Fort Blk. Found	12.48	ug/m3	
		Lab Fort Blk. % Rec.	97.68	%	70-130
	Chloromethane	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	16.74	ug/m3	
	Bromomethane	Lab Fort Blk. % Rec.	96.46	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
	Chloroethane	Lab Fort Blk. Found	23.02	ug/m3	
		Lab Fort Blk. % Rec.	99.97	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.05	ug/m3	
	trans-1,3-Dichloropropene	Lab Fort Blk. % Rec.	97.38	%	70-130
		Lab Fort Blank Amt.	19.40	ug/m3	
	Chlorodibromomethane	Lab Fort Blk. Found	18.56	ug/m3	
		Lab Fort Blk. % Rec.	95.63	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	12.81	ug/m3	
	Bromoform	Lab Fort Blk. % Rec.	97.15	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	24.40	ug/m3	
		Lab Fort Blk. % Rec.	107.50	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	21.54	ug/m3	
		Lab Fort Blk. % Rec.	94.89	%	70-130
		Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	44.52	ug/m3	
		Lab Fort Blk. % Rec.	104.52	%	70-130
		Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	27.35	ug/m3	
		Lab Fort Blk. % Rec.	100.28	%	70-130
		Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	53.36	ug/m3	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

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QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95384					
	Bromoform	Lab Fort Blk. % Rec.	103.22	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	36.25	ug/m3	
		Lab Fort Blk. % Rec.	105.60	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	53.85	ug/m3	
		Lab Fort Blk. % Rec.	100.98	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	38.39	ug/m3	
		Lab Fort Blk. % Rec.	103.48	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.62	ug/m3	
		Lab Fort Blk. % Rec.	104.26	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.44	ug/m3	
		Lab Fort Blk. % Rec.	103.50	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	15.53	ug/m3	
		Lab Fort Blk. % Rec.	90.23	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	18.73	ug/m3	
		Lab Fort Blk. % Rec.	94.47	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	22.96	ug/m3	
		Lab Fort Blk. % Rec.	99.39	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	25.19	ug/m3	
		Lab Fort Blk. % Rec.	101.88	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	25.49	ug/m3	
		Lab Fort Blk. % Rec.	98.50	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	14.54	ug/m3	
		Lab Fort Blk. % Rec.	93.40	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	13.96	ug/m3	
		Lab Fort Blk. % Rec.	79.34	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	19.20	ug/m3	
		Lab Fort Blk. % Rec.	93.77	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	36.12	ug/m3	
		Lab Fort Blk. % Rec.	107.84	%	70-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat # : LIMIT-25349

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QC Batch Number: BATCH-16677

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95384	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	38.70	ug/m3	
		Lab Fort Blk. % Rec.	100.74	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	21.28	ug/m3	
		Lab Fort Blk. % Rec.	103.90	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	31.64	ug/m3	
		Lab Fort Blk. % Rec.	90.51	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	13.21	ug/m3	
		Lab Fort Blk. % Rec.	89.60	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	9.33	ug/m3	
		Lab Fort Blk. % Rec.	108.48	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	10.57	ug/m3	
		Lab Fort Blk. % Rec.	95.60	%	70-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 6/8/2010

Lims Bat #: LIMIT-25349

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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



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY
RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Company Name: MACTEL Engineering
Address: 107 Audubon Rd
Wakefield, MA 01880
Attention: Kelly Chatterfen
Project Location: Providence, RI (Garban Site)
Sampled By: PSM

www.contestlabs.com

Telephone: (781) 245-6606
Project # 3650080114
Client PO # 200914545

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
Email: Kchatterfen@mactest.com
Format: EXCEL PDF GIS KEY OTHER EXCEL

Proposal Provided? (For Billing purposes)
 Yes 3.3.09 proposal date

Field ID	Sample Description	Media	Lab #	Date	Stop	Total	Flow Rate	Volume	Matrix	Code*	Summa	Flow
				Time	Time	Minutes	M ³ /Min. or L/Min.	liters or M ³			Canister ID	Controller ID
IA-1-052810	S	10B	00058	5:28:10 0:456	5:28:10 0:826	30	0.2	6	IA	X	-30-6	1701-4105
IA-2-052810	S		00059	5:28:10 0:758	5:28:10 0:828	30	0.2	6	IA	X	-30-55	1129-4097
IA-3-052810	S		00060	5:28:10 0:759	5:28:10 0:829	30	0.2	6	IA	X	-26-5	1305-4066
IA-4-052810	S		00061	5:28:10 0:800	5:28:10 0:830	30	0.2	6	IA	X	-29-55	1222-4094
AA-1-052810	S		00062	5:28:10 0:803	5:28:10 0:833	30	0.2	6	AMB	X	-30-4	1453-4014
EW-Combined-052810	S		00063	5:28:10 0:851	5:28:10 0:921	30	0.2	6	SG	X	-29-45	1172-4000

CLIENT COMMENTS:

EW-Combined-052810 was sampled from source area soil gas. PID = 0.0 ppm

Relinquished by: (signature) [Signature] Date/Time: 5/28/10

Received by: (signature) [Signature] Date/Time: 5/28/10 14:12

Relinquished by: (signature) [Signature] Date/Time: 5/28/10 18:23

Received by: (signature) [Signature] Date/Time: 6/1/10 18:23

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

Special Requirements
 Regulations: Target Indoor Air
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: Target Indoor Air
 Other: Air Post (concentration)

Matrix Code: SOIL GAS
 Media Codes:
 S=Summa can
 TB=teflon bag
 P=PUF
 T=tube
 F=filter
 C=cassette
 O=Other

ANALYSIS REQUESTED: low-level scan

"Hg" 10.1

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.

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, NELAP & WBEDE Certified



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39 Spruce Street
FILE COPY
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: Mactec Eng. MA
RECEIVED BY: AP DATE: 6/1/10

- 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 _____ NO

Location where samples are stored: Air Lab

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	6
Tedlar Bags	
Regulators	6
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



39 Spruce Street, 2nd Floor
 East Longmeadow, MA 01028
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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
Methylmethacrylate	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
Methyl Acetate	ND	ND	0.206	0.6241	74.08	1	0.33
Methylcyclohexane	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