



engineering and constructing a better tomorrow

June 23, 2009

Mr. Joseph T. Martella II, Senior Engineer
RIDEM 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 cumulative results of the first quarter of compliance sampling 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 January 16, 2009 to May 31, 2009.

The sampling 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 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 system enclosure includes two-four hundred pound carbon drums for treatment of the emissions from the large retail space.

The small retail spaces consist of the eastern, central, and western retail spaces. 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.

Compliance Sampling

The baseline sampling event (prior to system start-up) was conducted on January 16, 2009. After start-up of the mitigation systems in the large retail space and the three small retail spaces on January 29, 2009, weekly sampling events were conducted on February 3, 2009, February 11, 2009, February 18, 2009, and February 26, 2009. After the February 26, 2009 weekly sampling

event, MACTEC determined that the large retail space required additional adjustments. The large retail space is discussed separately from the small retail spaces below.

Small Retail Spaces

The fourth consecutive successful weekly sampling event was conducted on March 6, 2009. Then, monthly sampling events were conducted on April 14, 2009 and May 15, 2009. Table 1 summarizes the small retail spaces' analytical results for the baseline sampling event conducted prior to system start-up and all seven 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. Laboratory reports associated with the weekly sampling events were provided in a status report submitted to RIDEM on April 7, 2009. The laboratory reports associated with the monthly sampling events are provided in Appendix A of this letter report.

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

- The analytical results from the January 16, 2009 sampling represent baseline conditions prior to the start-up of the mitigation system. Comparison to “action levels” has been conducted only for informational purposes, not for compliance purposes with respect to the Order of Approval.
- Indoor air sample results are in compliance with action levels for the four most recent weekly sampling events and the two monthly sampling events 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) is the only portion of the retail complex that is currently occupied.
- Although the benzene concentration in IA-6 on February 18, 2009 was above the action level, it was below the concentration detected in the outdoor reference sample (AA-1) collected on that same day. This benzene is not site-related, but rather a background condition. This is not a non-compliance issue.
- Although carbon tetrachloride concentrations were above the corresponding action levels in IA-5, IA-6, and IA-7 on February 18, 2009, March 6, 2009, and May 15, 2009, the concentrations were also consistent with the corresponding concentrations reported for the outdoor reference sample collected on that same day. Therefore, the carbon tetrachloride concentrations represent a background condition and not a violation of the action level.
- The mitigation systems are functioning as designed and are achieving desired results with respect to indoor quality in the three small retail units.

The final monthly monitoring of the three small retail spaces, consistent with the requirements of the Orders of Approval, was completed on June 12, 2009. Laboratory results are pending.

Large Retail Space

Weekly sampling events were conducted on February 3, 2009, February 11, 2009, February 18, 2009, and February 26, 2009. Table 3 summarizes the large retail space's analytical results. Results of the indoor air samples were compared to the Draft Connecticut Industrial/Commercial Indoor TAC. The analytical results were inconsistent between weeks, and they indicated that the mitigation system was still in start-up mode.

Indoor air samples included IA-1, IA-2, IA-3, and IA-4, one outdoor air reference sample (location AA-1), one air sample collected from the combined air stream of the four extraction wells (EW-Combined), and one air sample collected from after the carbon treatment. 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, VMW-2, VMW-3, and VMW-4 in conjunction with the air sampling program. The vacuum monitoring results are tabulated in Table 4.

During the months of March, April, and May, the system underwent adjustments, including reducing the vacuum at each extraction well and temporarily turning off the HVAC system, in an effort to evaluate and optimize system performance.

MACTEC will continue to make system adjustments and once the system has been appropriately adjusted, weekly compliance sampling in the large retail space will commence.

The laboratory reports associated with the sampling events are provided in Appendix A of this letter report. The analytical laboratory's detection limits are provided in Appendix B. These detection limits have not changed since the baseline sampling event.

ASD System Monitoring

The ASD system is monitored weekly by Clean Harbors Environmental Services. There was one "no flow" condition for the large retail space ASD system on March 19, 2009, which was reported by fax. The system shut down due to a high-level alarm signal from the condensate tank. However, the tank was empty. It was determined that the cause of the shut-down was a loose wire from the tank high level sensor. This was corrected and the system was returned to full operation. The "no flow" condition lasted approximately 24 hours.

There were two additional system shutdowns to the large retail ASD system for maintenance activity. On April 17, 2009, the system was shut down, for less than one hour, to test the automatic call-out communication system, and on May 20, 2009, the system was shut down, for two hours, to change-out the carbon in the carbon drums.

Next Reporting Period

The second quarterly report will cover June, July, and August 2009. The report will be prepared and submitted to DEM in September 2009.

Please contact me at 781-213-5603 if I can provide additional information or answer any questions concerning the first quarter monitoring events.

Sincerely,
MACTEC Engineering and Consulting, Inc.



Phil Muller
Project Engineer



Michael Murphy
Sr. 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 Spaces
Table 4 – Vacuum Monitoring Results – Large Retail Spaces

Figure 1 – Vapor Mitigation Sample Locations

Appendix A – Laboratory Reports (*provided on CD*)
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								Extraction Well - Eastern Small Retail Space						
	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- 041409 4/14/2009	AA-1- 051509 5/15/2009	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
1,1,1-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	190000	41000	17000	7100	1800	2600	3100
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	6.8 U	6.8 U	6.8 U	6.8 U	1.7 U	68 U	3.4 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	5.4 U	5.4 U	5.4 U	5.4 U	1.4 U	54 U	2.7 U
1,1-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	11000	1900	890	770	190	360	450
1,1-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	2500	290	130	190	61	160	160
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	7.4 U	7.4 U	7.4 U	7.4 U	1.9 U	74 U	3.7 U
1,2,4-Trimethylbenzene	0.25 U	0.28	0.52	1.8	0.25 U	0.25 U	0.18 U	0.25 U	5 U	5 U	5 U	5 U	1.3 U	50 U	2.5 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	76 U	3.8 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	6 U	6 U	6 U	6 U	1.5 U	60 U	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	4 U	4 U	4 U	4 U	1 U	40 U	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	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	46 U	2.3 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	7 U	7 U	7 U	7 U	1.8 U	70 U	3.5 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.5	0.25 U	0.25 U	0.18 U	0.25 U	5 U	5 U	5 U	5 U	1.3 U	50 U	2.5 U
1,3-Butadiene	0.11 U	0.11 U	0.17	1.3	0.11 U	0.11 U	0.08 U	0.11 U	2.2 U	2.2 U	2.2 U	2.2 U	0.55 U	22 U	1.1 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	6 U	6 U	6 U	6 U	1.5 U	60 U	3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.53	0.3 U	0.3 U	0.21 U	0.3 U	6 U	6 U	6 U	6 U	1.5 U	60 U	3 U
2-Butanone	0.58	1.2	2.4	3.2	1.6	0.67	0.11 U	1.6	6.3	89	75	170	3700	64000	100000
2-Hexanone	0.2 U	0.22	0.57	0.35	0.2 U	0.2 U	0.14 U	0.39	4 U	4 U	4 U	4 U	1 U	40 U	2.7
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.6	0.25 U	0.25 U	0.18 U	0.25 U	5 U	5 U	5 U	5 U	1.3 U	50 U	2.5 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.27	0.63	0.2 U	0.2 U	0.14 U	0.2 U	4 U	4 U	4 U	4 U	1 U	40 U	2 U
Acetone	7.3	8	15	22	8.4	5.9	1.1	9.5	530	32	52	29	460	5600	14000
Benzene	0.69	0.62	1.3	4.7	0.43	0.69	0.12 U	0.4	13	12	6.2	4.8	5.6	32 U	11
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	5.2 U	5.2 U	5.2 U	5.2 U	1.3 U	52 U	2.6 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	6.6 U	6.6 U	6.6 U	6.6 U	1.7 U	66 U	3.3 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	11 U	11 U	11 U	11 U	2.6 U	110 U	5.1 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	3.8 U	3.8 U	3.8 U	3.8 U	0.95 U	38 U	1.9 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	3.2 U	3.2 U	3.2 U	3.2 U	0.8 U	230	4
Carbon tetrachloride	0.38	0.44	0.52	0.56	0.43	0.61	0.22 U	0.78	6.2 U	6.2 U	6.2 U	6.2 U	1.6 U	62 U	3.1 U
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	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	46 U	2.3 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	260	23	16	11	4.5	26 U	11
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	83	32	20	16	2.8	48 U	7.2
Chloromethane	1.1	0.9	1.4	1.5	1.1	1.1	1.1	1.1	2 U	2 U	2 U	2 U	0.5 U	20 U	1 U
cis-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	2900	710	400	410	100	150	270
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	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 U

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								Extraction Well - Eastern Small Retail Space						
	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- 041409 4/14/2009	AA-1- 051509 5/15/2009	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
Cyclohexane	0.17 U	0.17 U	0.35	1.1	0.17 U	0.17 U	0.12 U	0.17 U	3.4 U	3.4 U	3.4 U	3.4 U	0.85 U	34 U	1.7 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	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	86 U	4.3 U
Dichlorodifluoromethane	2	2.2	2.6	2.7	2.6	2.6	2	2.7	5 U	5 U	5 U	5 U	2.7	50 U	3
Ethanol	4	5.4	10	47	4.3	3.5	0.81	4.8	320	36	46	33	22	130	30
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.31	0.37 U	0.18 U	0.26 U	0.18 U	7.3 U	3.6 U	3.6 U	7.3 U	0.9 U	73 U	1.8 U
Ethylbenzene	0.22 U	0.25	0.52	2	0.22 U	0.22 U	0.16 U	0.22 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 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	22 U	22 U	22 U	22 U	5.4 U	220 U	11 U
Hexane	1.5	0.75	1.1	2.9	0.38	2.8	0.13 U	0.37	5	3.6 U	3.6 U	3.6 U	2.3	36 U	3.3
Isopropyl alcohol	1.4	1.4	1.8	4.3	1.4	0.67	0.18 U	1	190	5.1	4.6	5 U	4.6	290	24
m,p-Xylene	0.43 U	0.72	1.4	6.4	0.44	0.43 U	0.31 U	0.49	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	86 U	4.3 U
Methylene chloride	5.5	3.1	0.65	1.5	0.78	7.4	2.1	1.7	7.8	7 U	9.6	7 U	12	720	21
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	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	36 U	1.8 U
n-Heptane	0.2 U	0.27	0.92	1.6	0.2 U	0.2 U	0.14 U	0.4	4 U	4 U	4 U	4 U	1 U	40 U	2 U
o-Xylene	0.22 U	0.27	0.53	2.2	0.22 U	0.22 U	0.16 U	0.24	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 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	3.5 U	1.8 U	1.8 U	3.5 U	0.45 U	35 U	0.9 U
Styrene	0.21 U	0.21 U	0.21 U	0.28	0.21 U	0.21 U	0.15 U	0.21 U	4.2 U	17	4.2 U	4.2 U	1.7	42 U	2.2
Tetrachloroethene	0.34 U	0.34 U	0.73	0.77	0.34 U	0.34 U	0.24 U	0.34 U	210	310	190	97	8	68 U	21
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.11 U	0.15 U	16	110	69	140	2200	42000	61000
Toluene	0.94	1.5	3.2	14	0.71	0.99	0.14 U	2.6	13	4.7	3.8 U	3.8 U	0.95 U	38 U	2.2
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	26	6.1	4 U	4.7	1 U	40 U	2.6
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	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	44 U	2.2 U
Trichloroethene	0.27 U	0.27 U	0.27 U	0.39	0.27 U	0.27 U	0.19 U	0.27 U	51000	20000	14000	8900	2400	3800	4400
Trichlorofluoromethane	1.3	1.2	1.7	2.4	1.5	2	0.92	1.5	3500	200	120	67	16	56 U	27
Trichlorotrifluoroethane	0.68	0.53	0.5	0.47	0.64	0.48	0.27 U	0.67	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	76 U	3.8 U
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	15 U	3.6 U	3.6 U	15 U	0.9 U	150 U	1.8 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	2.6 U	2.6 U	2.6 U	2.6 U	0.65 U	26 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 - Center Small Retail Space							Extraction Well - Western 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-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
1,1,1-Trichloroethane	69000	32000	21000	16000	16000	5600	8200	5600	8500	7800	8200	8100	1600	3600
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	6.8 U	1.4 U	1.7 U	1.7 U	1.7 U	6.8 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	5.4 U	1.1 U	1.4 U	1.4 U	1.4 U	5.4 U	2.7 U
1,1-Dichloroethane	5200	2500	2100	2200	1600	780	1200	1700	1800	1600	2100	1700	590	1000
1,1-Dichloroethene	850	210	100	110	55	74	87	14	15	8.5	9.4	6.6	4 U	4.2
1,2,4-Trichlorobenzene	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	74 U	3.7 U	7.4 U	1.5 U	1.9 U	1.9 U	1.9 U	7.4 U	3.7 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	16	6.2	50 U	2.5 U	5 U	1 U	1.3 U	1.3 U	1.3 U	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	7.6 U	1.6 U	1.9 U	1.9 U	1.9 U	7.6 U	3.8 U
1,2-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 U	3 U	6 U	1.2 U	1.5 U	1.5 U	1.5 U	6 U	3 U
1,2-Dichloroethane	4 U	4 U	4 U	4 U	4 U	40 U	2 U	4 U	0.8 U	1 U	1 U	1 U	4 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	4.6 U	0.92 U	1.2 U	1.2 U	1.2 U	4.6 U	2.3 U
1,2-Dichlorotetrafluoroethane	7 U	7 U	7 U	7 U	7 U	70 U	3.5 U	7 U	1.4 U	1.8 U	1.8 U	1.8 U	7 U	3.5 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	7.3	5 U	50 U	2.5 U	5 U	1 U	1.3 U	1.3 U	1.3 U	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	2.2 U	0.44 U	0.55 U	0.55 U	0.55 U	2.2 U	1.1 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 U	3 U	6 U	1.2 U	1.5 U	1.5 U	1.5 U	6 U	3 U
1,4-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	60 U	3 U	6 U	1.2 U	1.5 U	1.5 U	1.5 U	6 U	3 U
2-Butanone	120	280	300	130	97	160	37	8.7	12	7.3	8.5	5.5	4.5	7.1
2-Hexanone	4 U	4 U	4 U	4 U	4 U	40 U	2 U	4 U	0.8 U	1 U	1 U	1 U	4 U	2 U
4-Ethyltoluene	5 U	5 U	5 U	5 U	5 U	50 U	2.5 U	5 U	1 U	1.3 U	1.3 U	1.3 U	5 U	2.5 U
4-Methyl-2-pentanone	4 U	4 U	4 U	4 U	4 U	40 U	2 U	4 U	0.8 U	1 U	1 U	1 U	4 U	2 U
Acetone	580	64	81	33	22	410	16	580	38	58	30	24	15	24
Benzene	5.2	5.2	4.1	3.2 U	3.2 U	32 U	1.7	3.2 U	3.9	4.5	1.9	2.3	3.2 U	2.6
Benzyl chloride	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	52 U	2.6 U	5.2 U	1.1 U	1.3 U	1.3 U	1.3 U	5.2 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	6.6 U	1.4 U	1.7 U	1.7 U	1.7 U	6.6 U	3.3 U
Bromoform	11 U	11 U	11 U	11 U	11 U	110 U	5.1 U	11 U	2.1 U	2.6 U	2.6 U	2.6 U	11 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	3.8 U	0.76 U	0.95 U	0.95 U	0.95 U	3.8 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	5.7	3.4	2.7	3.7	3.3	3.2 U	3.2
Carbon tetrachloride	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	62 U	3.1 U	6.2 U	1.3 U	1.6 U	1.6 U	1.6 U	6.2 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	4.6 U	0.92 U	1.2 U	1.2 U	1.2 U	4.6 U	2.3 U
Chloroethane	140	50	34	18	13	26 U	13	170	150	88	41	33	7.1	9.6
Chloroform	42	24	19	29	21	50	14	4.8 U	1	1.2 U	1.3	1.2 U	4.8 U	2.7
Chloromethane	2 U	2 U	2 U	2 U	2 U	34	1 U	2 U	0.4 U	0.5 U	0.5 U	0.5 U	2 U	1 U
cis-1,2-Dichloroethene	700	360	220	250	150	120	190	1100	1300	1200	1700	1200	520	1100
cis-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U	2.2 U	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 U	2.2 U

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

Parameter (ug/m ³)	Extraction Well - Center Small Retail Space							Extraction Well - Western 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-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
Cyclohexane	3.4 U	5.3	3.4 U	3.4 U	3.4 U	34 U	1.7 U	3.4 U	5.6	5	3.7	2.1	3.4 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	8.6 U	1.8 U	2.2 U	2.2 U	2.2 U	8.6 U	4.3 U
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	5 U	50 U	3.6	5 U	2.5	3.2	770	2.6	5 U	2.9
Ethanol	360	38	73	38	25	110	18	350	26	29	17	15	3.8 U	19
Ethyl acetate	7.3 U	3.6 U	3.6 U	7.3 U	3.6 U	73 U	1.8 U	7.3 U	0.72 U	0.9 U	1.9 U	0.9 U	7.3 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	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 U	2.2 U
Hexachlorobutadiene	22 U	22 U	22 U	22 U	22 U	220 U	11 U	22 U	4.3 U	5.4 U	5.4 U	5.4 U	22 U	11 U
Hexane	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U	1.8 U	10	10	7.6	5.5	3.1	3.6 U	4
Isopropyl alcohol	210	18	33	15	10	230	8.2	210	18	21	12	8.5	5 U	12
m,p-Xylene	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	120	4.3 U	8.6 U	1.8 U	2.2 U	2.2 U	2.2 U	8.6 U	4.3 U
Methylene chloride	7 U	7 U	7.5	7 U	7 U	780	12	9.3	2.6	8	1.8	1.8 U	20	29
Methyl-t-butyl ether	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U	1.8 U	3.6 U	3.5	2.9	4.9	3.1	3.6 U	1.8 U
n-Heptane	4 U	4 U	4 U	4 U	4 U	40 U	2 U	4 U	1.4	1 U	1 U	1 U	4 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	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 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	3.5 U	160	110	0.87 U	0.45 U	3.5 U	0.9 U
Styrene	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	42 U	2.1 U	4.2 U	0.84 U	1.1 U	1.1 U	1.1 U	4.2 U	2.1 U
Tetrachloroethene	330	290	130	290	190	300	190	66	69	56	84	69	40	140
Tetrahydrofuran	75	480	260	730	570	130	110	41	23	12	14	7.5	3 U	5.6
Toluene	12	3.8 U	3.8 U	3.8 U	3.8 U	38 U	1.9 U	14	2.9	3.6	1.7	0.95 U	3.8 U	1.9 U
trans-1,2-Dichloroethene	12	6.3	4.2	6.4	4 U	40 U	2.6	150	140	90	90	80	48	120
trans-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U	2.2 U	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U	4.4 U	2.2 U
Trichloroethene	12000	6900	4200	4400	4800	3900	5400	230	210	180	180	200	110	330
Trichlorofluoromethane	2300	870	630	350	250	150	230	1800	1400	900	690	640	190	310
Trichlorotrifluoroethane	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	76 U	3.8 U	7.6 U	1.6 U	1.9 U	1.9 U	1.9 U	7.6 U	3.8 U
Vinyl acetate	15 U	3.6 U	3.6 U	15 U	3.6 U	150 U	1.8 U	15 U	0.72 U	0.9 U	3.6 U	0.9 U	15 U	1.8 U
Vinyl chloride	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U	1.3 U	280	370	180	48	21	2.6 U	2.7

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

Parameter (ug/m ³)	CT IACTIND 2003 (ug/m3)	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
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
1,1,1,2-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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
2-Butanone	500	7.2	2.4	2.7	2.6	0.75	0.45	3.8	1.9
2-Hexanone	NA	0.2 U	0.48	0.38	0.27	0.2 U	0.2 U	0.47	0.45
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
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
Acetone	500	32	11	21	20	9.5	6.5	14	14
Benzene	3.3	0.79	0.6	0.99	1.6	0.41	0.55	0.62	0.49
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
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
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
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
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
Carbon tetrachloride	0.54	0.33	0.44	0.5	0.55 [a]	0.47	0.61 [a]	0.44	0.64 [a]
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
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
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
Chloromethane	80	1.1	1	1.5	1.4	1.1	1.1	1.1	1
cis-1,2-Dichloroethene	100	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U
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

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

Parameter (ug/m ³)	CT IACTIND 2003 (ug/m3)	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
Cyclohexane	NA	0.17 U	0.17 U	0.38	0.41	0.17 U	0.17 U	0.12 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
Dichlorodifluoromethane	500	2	2.2	2.5	2.7	2.6	2.6	1.9	2.5
Ethanol	NA	590	12	23	140	85	32	41	180
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
Ethylbenzene	290	0.22 U	0.25	0.33	0.43	0.22 U	0.22 U	0.24	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
Hexane	NA	0.84	0.54	1.1	0.99	0.39	0.5	0.71	0.58
Isopropyl alcohol	NA	3.8	3.5	580	2.9	3	1.3	1.7	2
m,p-Xylene	500	0.6	0.74	0.91	1.2	0.43 U	0.43 U	0.68	0.51
Methylene chloride	17	2	3.6	5.2	1.1	1.2	0.74	2.5	2.9
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
n-Heptane	NA	0.2 U	0.2 U	0.36	0.35	0.2 U	0.2 U	0.23	0.38
o-Xylene	500	0.23	0.27	0.35	0.47	0.22 U	0.22 U	0.23	0.23
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
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
Tetrachloroethene	5	0.39	0.34 U	0.43	0.43	0.34 U	0.34 U	0.24 U	0.47
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
Toluene	500	1.3	1.1	3	3.3	0.65	0.51	1.5	2.8
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
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
Trichloroethene	1	5.5	0.39	0.27 U	0.27 U	0.27 U	0.27 U	0.22	0.27 U
Trichlorofluoromethane	500	3	1.3	1.7	1.8	1.5	1.7	1.2	1.3
Trichlorotrifluoroethane	NA	0.62	0.54	0.48	0.45	0.64	0.48	0.53	0.61
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
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

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

Parameter (ug/m ³)	Indoor Air - Center Small Retail Space								Indoor Air - Western Small Retail Space							
	IA-6 1/16/2009	IA-6- 020309 2/3/2009	IA-6- 021109 2/11/2009	IA-6- 021809 2/18/2009	IA-6- 022609 2/26/2009	IA-6- 030609 3/6/2009	IA-6- 041409 4/14/2009	IA-6- 051509 5/15/2009	IA-7 1/16/2009	IA-7- 020309 2/3/2009	IA-7- 021109 2/11/2009	IA-7- 021809 2/18/2009	IA-7- 022609 2/26/2009	IA-7- 030609 3/6/2009	IA-7- 041409 4/14/2009	IA-7- 051509 5/15/2009
1,1,1-Trichloroethane	110	3.9	0.27 U	0.29	0.27 U	0.27 U	1.6	0.27 U	44	2.4	0.4	1.3	0.27 U	0.27 U	0.87	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 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	1.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 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	0.52	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U
1,2,4-Trimethylbenzene	0.75	0.32	0.29	1.5	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.34	0.34	0.99	0.25 U	0.25 U	0.18 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.38	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 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	0.11 U	0.14	0.97	0.11 U	0.11 U	0.08 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.41	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U
2-Butanone	120	10	3.2	2.9	2.4	2.3	1	2.5	70	6.5	3.9	5.2	2.2	1.3	1.3	2.3
2-Hexanone	0.2 U	0.42	0.37	0.34	0.2 U	0.37	0.14 U	0.62	0.2 U	0.29	0.2 U	0.91	0.2 U	0.2 U	0.14 U	0.53
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	0.27	0.25 U	0.25 U	0.18 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	0.2 U	0.2 U	0.2 U	0.42	0.2 U	0.2 U	0.14 U	0.22
Acetone	44	14	14	25	11	8.5	6.1	11	29	12	13	32	7.8	6.6	6.5	10
Benzene	1	0.6	0.98	4.1 [a]	0.41	0.7	0.59	0.47	0.95	0.75	1.1	3.2	0.67	0.73	0.42	0.35
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.26	0.16 U
Carbon tetrachloride	0.39	0.42	0.52	0.59 [a]	0.47	0.6 [a]	0.42	0.77 [a]	0.32	0.44	0.52	0.56 [a]	0.48	0.6 [a]	0.43	0.65 [a]
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.17 U	0.24 U
Chloromethane	1.3	0.9	1.4	1.5	1	1.1	1.1	1.1	1.7	0.98	1.4	1.5	1	1.2	1.1	0.93
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	0.29	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U

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

Parameter (ug/m ³)	Indoor Air - Center Small Retail Space								Indoor Air - Western Small Retail Space							
	IA-6 1/16/2009	IA-6- 020309 2/3/2009	IA-6- 021109 2/11/2009	IA-6- 021809 2/18/2009	IA-6- 022609 2/26/2009	IA-6- 030609 3/6/2009	IA-6- 041409 4/14/2009	IA-6- 051509 5/15/2009	IA-7 1/16/2009	IA-7- 020309 2/3/2009	IA-7- 021109 2/11/2009	IA-7- 021809 2/18/2009	IA-7- 022609 2/26/2009	IA-7- 030609 3/6/2009	IA-7- 041409 4/14/2009	IA-7- 051509 5/15/2009
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	0.32	0.7	0.17 U	0.17 U	0.12 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U
Dichlorodifluoromethane	2	2.1	2.6	2.8	2.6	2.6	2	2.7	2.1	2.2	2.6	2.7	2.6	2.6	2	2.4
Ethanol	41	23	12	40	13	12	8.6	51	7.3	16	11	26	7.9	8.4	7.1	11
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	0.37 U	0.37 U	0.18 U	0.21	0.37 U	0.18 U	0.26 U	0.18 U
Ethylbenzene	0.29	0.25	0.33	1.6	0.22 U	0.22 U	0.21	0.22 U	0.23	0.29	0.36	0.95	0.24	0.22 U	0.16 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	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U
Hexane	1.2	0.78	0.7	2.6	0.33	0.4	0.63	0.38	0.9	0.87	0.91	2	1.1	0.6	0.69	0.33
Isopropyl alcohol	4.7	6.6	3.2	4.9	1.7	1.6	0.18 U	4.5	3.7	6.2	3.6	8.3	0.25 U	2.7	0.18 U	7
m,p-Xylene	0.82	0.72	0.84	4.9	0.43 U	0.43 U	0.51	0.43 U	0.61	0.82	0.94	2.8	0.73	0.43 U	0.31 U	0.43 U
Methylene chloride	2.5	5.2	0.59	1.6	0.83	0.69	2	2	1.9	5.7	0.92	1.5	6.3	1.4	4.2	2.3
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 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	0.2	0.2 U	0.37	1.2	0.2 U	0.2 U	0.17	0.2 U
o-Xylene	0.36	0.26	0.34	1.8	0.22 U	0.22 U	0.19	0.22 U	0.24	0.31	0.39	0.97	0.24	0.22 U	0.16 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	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.13 U	0.09 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	0.21 U	0.21 U	0.26	0.21 U	0.21 U	0.15 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	1.6	0.34 U	0.65	0.63	0.34 U	0.34 U	0.48	0.34 U
Tetrahydrofuran	77	2.8	0.32	0.15 U	0.15 U	0.15 U	0.22	0.15 U	45	2.1	0.74	0.43	0.15 U	0.15 U	0.27	0.15 U
Toluene	1.8	1.3	2.5	11	0.65	0.71	1.3	0.81	1.5	1.6	2.7	7.5	1.5	0.76	0.48	0.61
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 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
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U
Trichloroethene	13	1.7	0.27 U	0.34	0.27 U	0.27 U	0.6	0.27 U	4.6	1.1	0.28	0.58	0.27 U	0.27 U	0.3	0.27 U
Trichlorofluoromethane	4.8	1.3	1.7	2.5	1.5	1.7	1.4	1.2	4.7	1.4	1.7	3.1	1.6	1.7	1.3	1.1
Trichlorotrifluoroethane	0.64	0.51	0.48	0.45	0.64	0.48	0.53	0.74	0.62	0.57	0.47	0.44	0.66	0.45	0.54	0.69
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	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.5 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 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.

Prepared by/Date: KJC 05/29/09
Checked by/Date: PJM 05/29/09

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

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

Prepared by/Date: PJM 06/02/09

Checked by/Date: CAC 06/02/09

**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 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- 041409 4/14/2009	AA-1- 051509 5/15/2009	EW- Combined- 020309 2/3/2009	EW- COMBINE D-021109 2/11/2009	EW- COMBINE D-021809 2/18/2009	EW- COMBINE D-022609 2/26/2009	EW- COMBINE D-041409 4/14/2009	EW- COMBINE D-042409 4/24/2009
1,1,1-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	19000	91000	73000	32000	3500	19000
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	6.8 U	6.8 U	14 U	14 U	6.8 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	5.4 U	5.4 U	11 U	11 U	5.4 U	0.65
1,1-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	19000	7800	5300	4800	390	2200
1,1-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	7800	1800	1000	630	73	420
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	7.4 U	7.4 U	15 U	15 U	7.4 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.28	0.52	1.8	0.25 U	0.25 U	0.18 U	0.25 U	5 U	5 U	10 U	10 U	5 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	7.6 U	7.6 U	16 U	16 U	7.6 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	6 U	6 U	12 U	12 U	6 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	4 U	4 U	8 U	8 U	4 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	4.6 U	4.6 U	9.2 U	9.2 U	4.6 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	7 U	7 U	14 U	14 U	7 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	0.18 U	0.25 U	5 U	5 U	10 U	10 U	5 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.17	1.3	0.11 U	0.11 U	0.08 U	0.11 U	2.2 U	2.2 U	4.4 U	4.4 U	2.2 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	6 U	6 U	12 U	12 U	6 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.53	0.3 U	0.3 U	0.21 U	0.3 U	6 U	6 U	12 U	12 U	6 U	0.3 U
2-Butanone	0.58	1.2	2.4	3.2	1.6	0.67	0.11 U	1.6	37	32	48	60	21	40
2-Hexanone	0.2 U	0.22	0.57	0.35	0.2 U	0.2 U	0.14 U	0.39	4 U	4 U	8 U	8 U	4 U	0.5
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.6	0.25 U	0.25 U	0.18 U	0.25 U	5 U	5 U	10 U	10 U	5 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.27	0.63	0.2 U	0.2 U	0.14 U	0.2 U	4 U	4 U	8 U	8 U	4 U	0.59
Acetone	7.3	8	15	22	8.4	5.9	1.1	9.5	1600	31	75	63	4.8 U	0.24 U
Benzene	0.69	0.62	1.3	4.7	0.43	0.69	0.12 U	0.4	14	7.3	8.4	6.4 U	3.2 U	2.5
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	5.2 U	5.2 U	11 U	11 U	5.2 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	6.6 U	6.6 U	14 U	14 U	6.6 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	11 U	11 U	21 U	21 U	11 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	3.8 U	3.8 U	7.6 U	7.6 U	3.8 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	3.2 U	63	32	20	3.2 U	4.6
Carbon tetrachloride	0.38	0.44	0.52	0.56	0.43	0.61	0.22 U	0.78	6.2 U	6.2 U	13 U	13 U	6.2 U	0.57
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	4.6 U	4.6 U	9.2 U	9.2 U	4.6 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	3400	1700	1200	450	42	220
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	27	17	20	17	4.8 U	8.8
Chloromethane	1.1	0.9	1.4	1.5	1.1	1.1	1.1	1.1	2 U	2 U	4 U	4 U	2 U	8.2
cis-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	14000	4700	6300	4200	300	1600
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	4.4 U	4.4 U	8.8 U	8.8 U	4.4 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.35	1.1	0.17 U	0.17 U	0.12 U	0.17 U	3.4 U	3.4 U	6.8 U	6.8 U	3.4 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	8.6 U	8.6 U	18 U	18 U	8.6 U	0.43 U
Dichlorodifluoromethane	2	2.2	2.6	2.7	2.6	2.6	2	2.7	5 U	5 U	10 U	110	5 U	2.8
Ethanol	4	5.4	10	47	4.3	3.5	0.81	4.8	960	81	120	120	17	21
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.31	0.37 U	0.18 U	0.26 U	0.18 U	7.3 U	3.6 U	7.2 U	15 U	7.3 U	0.37 U
Ethylbenzene	0.22 U	0.25	0.52	2	0.22 U	0.22 U	0.16 U	0.22 U	9.4	4.4 U	8.8 U	8.8 U	4.4 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	22 U	22 U	43 U	43 U	22 U	1.1 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 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- 041409 4/14/2009	AA-1- 051509 5/15/2009	EW- Combined- 020309 2/3/2009	EW- COMBINE D-021109 2/11/2009	EW- COMBINE D-021809 2/18/2009	EW- COMBINE D-022609 2/26/2009	EW- COMBINE D-041409 4/14/2009	EW- COMBINE D-042409 4/24/2009	
Hexane	1.5	0.75	1.1	2.9	0.38	2.8	0.13 U	0.37	16	4.9	270	7.2 U	3.6 U	2.3	
Isopropyl alcohol	1.4	1.4	1.8	4.3	1.4	0.67	0.18 U	1	610	2.4 U	15	9.9 U	5 U	0.25 U	
m,p-Xylene	0.43 U	0.72	1.4	6.4	0.44	0.43 U	0.31 U	0.49	25	8.6 U	18 U	18 U	8.6 U	0.43 U	
Methylene chloride	5.5	3.1	0.65	1.5	0.78	7.4	2.1	1.7	12	7 U	14 U	14 U	19	2.6	
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	3.6 U	3.6 U	7.2 U	7.2 U	3.6 U	0.18 U	
n-Heptane	0.2 U	0.27	0.92	1.6	0.2 U	0.2 U	0.14 U	0.4	4 U	4 U	8 U	8 U	4 U	0.2 U	
o-Xylene	0.22 U	0.27	0.53	2.2	0.22 U	0.22 U	0.16 U	0.24	8.4	4.4 U	8.8 U	8.8 U	4.4 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	3.5 U	100	3.6 U	6.9 U	3.5 U	0.18 U	
Styrene	0.21 U	0.21 U	0.21 U	0.28	0.21 U	0.21 U	0.15 U	0.21 U	4.2 U	4.2 U	8.4 U	8.4 U	4.2 U	0.21 U	
Tetrachloroethene	0.34 U	0.34 U	0.73	0.77	0.34 U	0.34 U	0.24 U	0.34 U	140	60	430	540	47	110	
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.11 U	0.15 U	77	77	150	180	66	110	
Toluene	0.94	1.5	3.2	14	0.71	0.99	0.14 U	2.6	36	3.8 U	7.6 U	7.6 U	3.8 U	0.59	
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	110	61	47	47	4.6	33	
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	4.4 U	4.4 U	8.8 U	8.8 U	4.4 U	0.22 U	
Trichloroethene	0.27 U	0.27 U	0.27 U	0.39	0.27 U	0.27 U	0.19 U	0.27 U	36000	17000	26000	13000	1400	6200	
Trichlorofluoromethane	1.3	1.2	1.7	2.4	1.5	2	0.92	1.5	9900	2300	1800	1000	98	600	
Trichlorotrifluoroethane	0.68	0.53	0.5	0.47	0.64	0.48	0.27 U	0.67	7.6 U	7.6 U	16 U	16 U	7.6 U	0.74	
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	15 U	3.6 U	7.2 U	29 U	15 U	0.71 U	
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.1 U	0.13 U	110	20	10	5.2 U	2.6 U	3.4	

**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-1-030609	EW-1-033109	EW-2-030609	EW-2-033109	EW-3-030609	EW-3-033109	EW-4-030609	EW-4-033109	Post carbon-020309	POST CARBON-021109	POST CARBON-021809	POST CARBON-022609	POST CARBON-041409
	3/6/2009	3/31/2009	3/6/2009	3/31/2009	3/6/2009	3/31/2009	3/6/2009	3/31/2009	2/3/2009	2/11/2009	2/18/2009	2/26/2009	4/14/2009
1,1,1-Trichloroethane	59000	66000	26000	30000	54000	72000	11000	14000	1	15	45	1.9	13000
1,1,2,2-Tetrachloroethane	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	1.7 U	6.8 U	0.34 U	1.7 U	0.68 U	0.68 U	68 U
1,1,2-Trichloroethane	6.4	10	5.4 U	5.4 U	5.4 U	5.4 U	1.4 U	5.4 U	0.27 U	1.4 U	0.54 U	0.54 U	54 U
1,1-Dichloroethane	4100	4400	5700	7000	1600	2300	690	1400	0.2 U	1 U	5.4	11000	490
1,1-Dichloroethene	570	1200	330	640	340	560	97	210	0.2 U	1 U	0.4 U	6400	96
1,2,4-Trichlorobenzene	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	1.9 U	7.4 U	0.37 U	1.9 U	0.74 U	0.74 U	74 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	5 U	0.25 U	1.3 U	0.5 U	0.5 U	50 U
1,2-Dibromoethane (EDB)	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	7.6 U	0.38 U	1.9 U	0.76 U	0.76 U	76 U
1,2-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	6 U	1.5 U	6 U	0.3 U	1.5 U	0.6 U	0.6 U	60 U
1,2-Dichloroethane	4 U	4 U	4 U	4 U	4 U	4 U	1 U	4 U	0.2 U	1 U	0.4 U	0.4 U	40 U
1,2-Dichloropropane	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	4.6 U	0.23 U	1.2 U	0.46 U	0.46 U	46 U
1,2-Dichlorotetrafluoroethane	7 U	7 U	7 U	7 U	7 U	7 U	1.8 U	7 U	0.35 U	1.8 U	0.7 U	0.7 U	70 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	5 U	2.1	1.3 U	0.5 U	0.5 U	50 U
1,3-Butadiene	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.55 U	2.2 U	0.11 U	0.55 U	0.22 U	0.22 U	22 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	6 U	1.5 U	6 U	2.9	1.5 U	0.6 U	0.6 U	60 U
1,4-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	6 U	1.5 U	6 U	0.3 U	1.5 U	0.6 U	0.6 U	60 U
2-Butanone	3.5	8.9	12	11	36	10	36	6.4	10	6.3	9.4	5.5	330
2-Hexanone	4 U	4 U	4 U	4 U	4 U	4 U	1 U	4 U	0.2 U	1 U	0.4 U	0.4 U	13000
4-Ethyltoluene	5 U	5 U	5 U	5 U	5 U	5 U	1.3 U	5 U	2.1	1.3 U	0.5 U	0.5 U	50 U
4-Methyl-2-pentanone	4 U	4 U	4 U	4 U	4 U	4 U	1 U	4 U	5	1 U	0.4 U	0.4 U	40 U
Acetone	35	16	9.6 U	9.6 U	53	24	26	12	1200	11	19	12	430
Benzene	5.3	11	5.6	7.8	3.2 U	6.8	1.4	3.2 U	1.3	0.8 U	0.32 U	0.32 U	32 U
Benzyl chloride	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	1.3 U	5.2 U	0.26 U	1.3 U	0.52 U	0.52 U	52 U
Bromodichloromethane	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.7 U	6.6 U	0.33 U	1.7 U	0.66 U	0.66 U	66 U
Bromoform	11 U	11 U	11 U	11 U	11 U	11 U	2.6 U	11 U	0.51 U	2.6 U	1.1 U	1.1 U	110 U
Bromomethane	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	0.95 U	3.8 U	0.19 U	0.95 U	0.38 U	0.38 U	38 U
Carbon disulfide	3.2 U	3.2 U	27	25	3.2 U	3.2 U	1.8	3.2 U	0.16 U	0.8 U	4.1	27	250
Carbon tetrachloride	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	1.6 U	6.2 U	0.38	1.6 U	0.62 U	0.62 U	62 U
Chlorobenzene	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U	4.6 U	0.23 U	1.2 U	0.46 U	0.46 U	46 U
Chloroethane	170	250	700	590	41	44	17	33	0.13 U	5100	1800	480	64
Chloroform	20	34	9.6	15	13	23	3.6	7.5	0.24 U	1.2 U	0.48 U	0.67	48 U
Chloromethane	2 U	2 U	2 U	2 U	2 U	2 U	0.5 U	2 U	0.59	0.5 U	0.2 U	0.2 U	23
cis-1,2-Dichloroethene	2000	2200	6100	7600	610	1200	560	1300	0.27	1 U	3.9	5200	820
cis-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	0.22 U	1.1 U	0.44 U	0.44 U	44 U
Cyclohexane	3.4 U	5.7	8.4	8.8	3.4 U	3.4 U	0.85 U	3.4 U	0.93	0.85 U	0.34 U	0.34 U	34 U
Dibromochloromethane	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	8.6 U	0.43 U	2.2 U	0.86 U	0.86 U	86 U
Dichlorodifluoromethane	5 U	170	5 U	5 U	5.4	7	2.6	5 U	0.76	4.1	3	2.4	50 U
Ethanol	33	40	12	8.3	39	1.8 U	8.6	1.8 U	740	36	25	9.8	110
Ethyl acetate	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	3.6 U	0.37 U	0.9 U	0.36 U	0.73 U	73 U
Ethylbenzene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	10	1.1 U	0.44 U	0.44 U	44 U
Hexachlorobutadiene	22 U	22 U	22 U	22 U	22 U	22 U	5.4 U	22 U	1.1 U	5.4 U	2.2 U	2.2 U	220 U

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-1-030609 3/6/2009	EW-1-033109 3/31/2009	EW-2-030609 3/6/2009	EW-2-033109 3/31/2009	EW-3-030609 3/6/2009	EW-3-033109 3/31/2009	EW-4-030609 3/6/2009	EW-4-033109 3/31/2009	Post carbon-020309 2/3/2009	POST CARBON-021109 2/11/2009	POST CARBON-021809 2/18/2009	POST CARBON-022609 2/26/2009	POST CARBON-041409 4/14/2009
Hexane	3.6 U	3.6 U	3.6 U	6.6	3.6 U	3.6 U	3.2	3.6 U	3	0.9 U	46	0.36 U	36 U
Isopropyl alcohol	28	2.4 U	2.4 U	2.4 U	26	5.9	7.5	7.1	450	2.9	3.1	47	290
m,p-Xylene	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U	8.6 U	27	2.2 U	0.86 U	0.86 U	86 U
Methylene chloride	7 U	19	7 U	17	7 U	13	19	12	20	76	17	3	810
Methyl-t-butyl ether	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	3.6 U	0.18 U	0.9 U	0.36 U	0.36 U	36 U
n-Heptane	4 U	4 U	4 U	4 U	4 U	4 U	1 U	4 U	1.8	1 U	0.4 U	0.4 U	40 U
o-Xylene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	9.5	1.1 U	0.44 U	0.44 U	44 U
Propylene (Propene)	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.45 U	1.8 U	0.18 U	98	0.18 U	0.35 U	35 U
Styrene	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	1.1 U	4.2 U	3.4	1.1 U	0.42 U	0.42 U	42 U
Tetrachloroethene	600	1200	2300	2500	73	310	31	170	0.72	1.7 U	1.1	0.68 U	68 U
Tetrahydrofuran	6.3	21	19	3 U	32	14	37	5.1	6.8	22	40	18	210
Toluene	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	1.4	3.8 U	29	0.95 U	0.65	0.38 U	38 U
trans-1,2-Dichloroethene	9.2	23	69	180	4 U	8.8	2.5	8	0.2 U	1 U	0.4 U	28	40 U
trans-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U	4.4 U	0.22 U	1.1 U	0.44 U	0.44 U	44 U
Trichloroethene	31000	42000	25000	25000	8600	19000	2700	5500	2	11	16	2.7	54 U
Trichlorofluoromethane	520	540	1300	1800	430	840	240	370	0.71	1.4 U	23	6700	84
Trichlorotrifluoroethane	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U	7.6 U	1.3	1.9 U	0.76 U	0.76 U	76 U
Vinyl acetate	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U	3.6 U	0.71 U	0.9 U	0.36 U	1.5 U	150 U
Vinyl chloride	2.7	4.8	9.4	8.1	2.6 U	2.6 U	0.65	2.6 U	0.13 U	30	13	4.5	26 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	
1,1,1-Trichloroethane	500	10	0.56	1.1	0.99	0.35	1.8	1.5	1.4	2	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
2-Butanone	500	20	3.1	5.8	3.4	2.6	2.2	1.3	1.2	4.4	
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	
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	
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	
Acetone	500	18	7.7	19	21	10	8.7	14	12	310	
Benzene	3.3	1	0.68	1.9	3	0.69	0.87	0.71	0.56	0.78	
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	
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	
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	
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	
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	
Carbon tetrachloride	0.54	0.35	0.41	0.52	0.55	0.46	0.59	0.53	0.31	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	
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	
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	
Chloromethane	80	1.1	1	1.4	1.5	1	1	1.2	1.1	1.3	
cis-1,2-Dichloroethene	100	2	0.2 U	1	1.1	0.73	1.3	0.5	0.6	1.3	
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	
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	
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	
Dichlorodifluoromethane	500	1.8	2.1	2.6	2.8	2.6	2.6	3.1	2	8.3	
Ethanol	NA	5.7	8.3	14	20	9.8	7.5	18	5	39	
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	
Ethylbenzene	290	0.26	0.28	0.66	0.85	0.23	0.22 U	0.22 U	0.16 U	0.94	
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	

**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/m3)	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	
Hexane	NA	0.92	0.74	1.2	1.6	1	0.51	0.53	0.65	1.7	
Isopropyl alcohol	NA	3.4	3.1	5.3	5.8	3.8	2	9.1	0.18 U	240	
m,p-Xylene	500	0.76	0.87	2.1	2.8	0.8	0.43 U	0.63	0.31 U	2.5	
Methylene chloride	17	2.3	33	2.3	1.8	4.4	1.1	6.7	3.5	4.8	
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	
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	
o-Xylene	500	0.26	0.33	0.76	0.99	0.3	0.22 U	0.22 U	0.16 U	0.7	
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	
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	
Tetrachloroethene	5	6.6	0.57	4.2	3.2	2.6	4.9	1.5	1.9	6.1	
Tetrahydrofuran	NA	12	1.2	1.3	0.48	0.32	0.15 U	0.15 U	0.23	0.4	
Toluene	500	1.7	1.4	4	5.7	2.3	0.93	1.7	0.72	5.7	
trans-1,2-Dichloroethene	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 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	
Trichloroethene	1	4.2	0.46	1.6	1.4	0.65	1.5	0.57	0.74	1.6	
Trichlorofluoromethane	500	2.1	1.4	1.7	3.1	1.6	1.7	1.2	1.2	1.5	
Trichlorotrifluoroethane	NA	0.65	0.64	0.47	0.46	0.67	0.48	0.59	0.54	1.7	
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	
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	

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 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	IA-2- 041409 4/14/2009	IA-2- 042409 4/24/2009	IA-3 1/16/2009	IA-3- 020309 2/3/2009	IA-3- 021109 2/11/2009	IA-3- 021809 2/18/2009	IA-3- 022609 2/26/2009	IA-3- 041409 4/14/2009	IA-3- 042409 4/24/2009
1,1,1-Trichloroethane	9.9	0.63	1.1	1.1	0.44	1.4	2.1	9.8	0.57	1.1	1.1	0.28	1.5	2.2
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.24 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.19 U	0.27 U
1,1-Dichloroethane	0.72	0.2 U	0.2 U	0.2 U	0.32	0.14 U	0.2 U	0.68	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U
1,1-Dichloroethene	0.41	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.35	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.26 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.37	0.7	0.65	0.3	0.18 U	0.25 U	0.25 U	0.36	0.68	0.61	0.25 U	0.18 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.27 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.25 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25	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	0.18 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.3	0.66	0.11 U	0.08 U	0.11 U	0.11 U	0.11 U	0.3	0.77	0.11 U	0.08 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U
2-Butanone	21	4.1	4.6	3	2.9	0.95	1.6	20	4.2	4.6	4	1.7	1.6	2.5
2-Hexanone	0.2 U	0.2 U	0.35	0.26	0.2 U	0.14 U	0.2 U	0.2 U	0.26	0.33	0.3	0.2 U	0.14 U	0.38
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.35	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.29	0.34	0.2 U	0.14 U	0.22
Acetone	17	9.6	14	18	9.7	13	39	18	12	17	24	9.7	7.5	50
Benzene	1	0.67	1.8	3	0.77	0.58	0.44	1	0.71	1.9	3.1	0.69	0.6	0.46
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.19 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.24 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.36 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.14 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.12 U	0.16 U
Carbon tetrachloride	0.33	0.41	0.55	0.57	0.48	0.41	0.41	0.34	0.45	0.52	0.6	0.43	0.22 U	0.42
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.17 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.42	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.43	0.13 U	0.13 U	0.1 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.25	0.17 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
Chloromethane	1.1	1	1.3	1.3	1	1.1	1.2	1.1	0.98	1.2	1.4	1.1	1.2	1.2
cis-1,2-Dichloroethene	2.1	0.24	1.1	1.1	0.95	0.59	1.6	1.9	0.2 U	1.1	1.1	0.55	0.61	1.5
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U
Cyclohexane	0.17 U	0.17 U	0.44	0.61	0.17 U	0.12 U	0.22	0.17 U	0.17 U	0.46	0.6	0.17 U	0.15	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.31 U	0.43 U
Dichlorodifluoromethane	1.8	2.2	2.6	2.9	2.7	2.1	2.9	1.9	2.3	2.5	2.9	2.6	2	2.9
Ethanol	5.5	8.8	12	17	7.9	4.9	7.5	5.5	9.2	13	18	7.9	4.2	9
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.18 U	0.37 U	0.26 U	0.37 U	0.37 U	0.37 U	0.18 U	0.18 U	0.37 U	0.26 U	0.37 U
Ethylbenzene	0.26	0.28	0.65	0.79	0.3	0.18	0.22 U	0.25	0.29	0.64	0.77	0.22 U	0.16	0.22 U
Hexachlorobutadiene	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	1.1 U	1.1 U	1.1 U	0.75 U	1.1 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 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	IA-2- 041409 4/14/2009	IA-2- 042409 4/24/2009	IA-3 1/16/2009	IA-3- 020309 2/3/2009	IA-3- 021109 2/11/2009	IA-3- 021809 2/18/2009	IA-3- 022609 2/26/2009	IA-3- 041409 4/14/2009	IA-3- 042409 4/24/2009
Hexane	0.88	0.57	1.3	1.6	0.69	0.72	0.74	0.94	0.87	1.3	1.9	3.7	0.37	0.77
Isopropyl alcohol	3.7	3.1	4.5	4.5	4.7	5.6	28	3.5	4.1	5.5	4.9	3.1	0.18 U	33
m,p-Xylene	0.76	0.88	2	2.6	0.93	0.61	0.63	0.75	0.9	2	2.6	0.65	0.57	0.66
Methylene chloride	2	30	4	1.6	1.8	4	4.2	2.2	31	3.1	3.5	33	1.2	3.6
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.13 U	0.18 U
n-Heptane	0.23	0.2 U	0.58	0.73	0.22	0.15	0.2 U	0.22	0.2 U	0.61	0.77	0.2 U	0.14 U	0.2 U
o-Xylene	0.3	0.34	0.76	0.89	0.34	0.22	0.22	0.28	0.33	0.79	0.86	0.23	0.22	0.24
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.13 U	0.18 U	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.13 U	0.18 U
Styrene	0.21 U	0.21 U	0.21 U	0.23	0.21 U	0.15 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.15 U	0.21 U
Tetrachloroethene	7.5	0.64	4.2	3.2	3.3	2.2	7.6	6.1	0.56	4.3	3.3	1.9	2.2	7.1
Tetrahydrofuran	12	1.2	1.2	0.49	0.41	0.21	0.28	12	1.1	1.3	0.49	0.15 U	0.24	0.15 U
Toluene	1.7	1.3	4	5.5	2.3	1	1.2	1.7	1.5	4.7	5.8	2.1	1	1.2
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.14 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.16 U	0.22 U
Trichloroethene	4.4	0.56	1.6	1.4	0.91	0.77	1.9	3.9	0.49	1.7	1.5	0.53	0.77	1.8
Trichlorofluoromethane	2	1.2	1.7	2.8	1.6	1.3	1.3	1.9	1.3	1.8	2.8	1.8	1.2	1.3
Trichlorotrifluoroethane	0.69	0.58	0.49	0.46	0.64	0.56	0.74	0.6	0.58	0.49	0.44	0.69	0.53	0.74
Vinyl acetate	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	0.18 U	0.18 U	0.71 U	0.5 U	0.71 U
Vinyl chloride	0.27	0.13 U	0.18	0.2	0.13 U	0.1 U	0.18	0.23	0.13 U	0.19	0.21	0.13 U	0.1 U	0.17

**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 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	LRAIR01 5/15/2009	LRAIR02 5/15/2009	LRAIR03 5/15/2009	LRAIR04 5/15/2009	LRAIR05 5/15/2009
1,1,1-Trichloroethane	10	0.62	1.1	1.1	0.45	1.5	2.2	0.45	0.52	0.65	0.57	0.51
1,1,2,2-Tetrachloroethane	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	0.19 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	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	0.2 U
1,1-Dichloroethene	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	0.2 U
1,2,4-Trichlorobenzene	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	0.26	0.37	0.74	0.65	0.29	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.29	0.25 U
1,2-Dibromoethane (EDB)	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	0.21 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	0.14 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	0.17 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	0.25 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 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	0.33	0.77	0.11 U	0.08 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	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.21 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	21	4.4	6	3.2	2.5	1.1	1.6	3.3	3.4	2.1	2.6	2
2-Hexanone	0.2 U	0.33	0.73	0.39	0.2 U	0.14 U	0.2 U	0.73	0.66	0.38	0.51	0.37
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.18 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.43	0.28	0.2 U	0.14 U	0.2 U	0.42	0.39	0.32	0.36	0.54
Acetone	17	10	15	20	7.8	7.9	20	12	13	10	11	8.5
Benzene	1.1	0.68	1.8	3	0.76	0.59	0.44	0.54	0.6	0.67	0.55	0.56
Benzyl chloride	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	0.24 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	0.36 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	0.14 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	0.12 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.4	0.43	0.5	0.58	0.46	0.22 U	0.45	0.7	0.68	0.71	0.68	0.68
Chlorobenzene	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	0.41	0.13 U	0.13 U	0.1 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	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	0.24 U
Chloromethane	1.2	0.99	1.4	1.3	1	1.1	1.2	1	0.98	1	0.95	1
cis-1,2-Dichloroethene	2.4	0.2 U	1.1	1.1	0.98	0.61	1.7	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	0.16 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	0.44	0.64	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	0.31 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	1.9	2.2	2.5	2.8	2.6	2.1	2.4	2.5	2.3	2.6	2.4	2.7
Ethanol	5.3	8.9	12	18	8	5.2	5.5	65	9	6.5	5.9	6
Ethyl acetate	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	0.18 U
Ethylbenzene	0.25	0.29	0.65	0.78	0.29	0.16	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.75 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 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 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	LRAIR01 5/15/2009	LRAIR02 5/15/2009	LRAIR03 5/15/2009	LRAIR04 5/15/2009	LRAIR05 5/15/2009
Hexane	0.9	0.66	1.2	1.7	0.66	0.43	0.34	1.1	0.21	0.18 U	0.18	0.24
Isopropyl alcohol	3.5	3.3	4.7	4.8	3.9	0.18 U	13	3.3	3.4	3.7	3.5	3.6
m,p-Xylene	0.76	0.89	2.1	2.6	0.89	0.58	0.49	0.58	0.57	0.58	0.55	0.49
Methylene chloride	2.3	29	1.7	2.5	1.3	1.9	2.2	5.9	1.5	1.5	1.6	1.9
Methyl-t-butyl ether	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	0.23	0.2 U	0.58	0.79	0.21	0.14 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	0.27	0.33	0.78	0.87	0.33	0.22	0.22 U	0.28	0.28	0.27	0.27	0.25
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.13 U	0.18 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Styrene	0.21 U	0.21 U	0.22	0.23	0.21 U	0.15 U	0.21 U	0.23	0.21 U	0.21 U	0.22	0.21 U
Tetrachloroethene	7.3	0.58	4.4	3.4	3.4	2.4	7.9	0.47	0.47	0.54	0.66	0.64
Tetrahydrofuran	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	0.2
Toluene	1.8	1.3	4.3	5.8	2.3	1	1	0.73	0.7	0.58	0.59	0.51
trans-1,2-Dichloroethene	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	0.16 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	4.7	0.48	1.7	1.5	0.88	0.78	2	0.27 U	0.28	0.27	0.29	0.34
Trichlorofluoromethane	2	1.3	1.6	3	1.7	1.3	1.3	1.3	1.3	1.2	1.1	1.4
Trichlorotrifluoroethane	0.72	0.59	0.51	0.45	0.57	0.54	0.61	0.63	0.6	0.65	0.62	0.64
Vinyl acetate	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.5 U	0.71 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	0.29	0.13 U	0.2	0.22	0.13 U	0.1 U	0.2	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				
	LRAIR06 5/15/2009	LRAIR07 5/15/2009	LRAIR08 5/15/2009	LRAIR09 5/15/2009	LRAIR10 5/15/2009
1,1,1-Trichloroethane	0.44	0.69	0.5	0.49	0.53
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	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
1,1-Dichloroethene	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
1,2,4-Trimethylbenzene	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
1,2-Dichlorobenzene	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
1,2-Dichloropropane	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
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
1,3-Dichlorobenzene	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
2-Butanone	1.6	3.1	2.5	2.6	1.4
2-Hexanone	0.38	0.61	0.48	0.43	0.29
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
4-Methyl-2-pentanone	0.27	0.32	0.3	0.61	0.23
Acetone	7.7	13	11	9.8	6.9
Benzene	0.51	0.53	0.6	0.51	0.57
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	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
Bromomethane	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
Carbon tetrachloride	0.63	0.68	0.7	0.64	0.66
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	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
Chloromethane	1	0.92	1.1	0.91	1.2
cis-1,2-Dichloroethene	0.2 U	0.21	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	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
Dichlorodifluoromethane	2.4	2.4	2.8	2.3	2.7
Ethanol	5.6	5.9	14	44	14
Ethyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Ethylbenzene	0.22 U	0.22 U	0.22 U	0.27	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 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				
	LRAIR06 5/15/2009	LRAIR07 5/15/2009	LRAIR08 5/15/2009	LRAIR09 5/15/2009	LRAIR10 5/15/2009
Hexane	0.18 U	0.19	0.21	0.2	0.18 U
Isopropyl alcohol	3.4	4.4	3.6	2.8	3.2
m,p-Xylene	0.5	0.48	0.53	1	0.5
Methylene chloride	1.6	1.5	1.6	1.6	1.4
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	0.26	0.25	0.27	0.34	0.26
Propylene (Propene)	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Styrene	0.21 U	0.37	0.21 U	0.21 U	0.21 U
Tetrachloroethene	0.6	0.73	0.53	0.46	0.46
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Toluene	0.53	0.57	0.53	0.54	0.47
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	0.27	0.28	0.27 U	0.27 U	0.27 U
Trichlorofluoromethane	1.3	1.1	1.4	1	1.4
Trichlorotrifluoroethane	0.57	0.59	0.68	0.62	0.58
Vinyl acetate	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

NA - not available

U - Not detected, value is the detection limit

ug/m³ - micrograms per cubic meter

Prepared by/Date: KJC 06/02/09

Checked by/Date: DLC 6/22/09

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

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

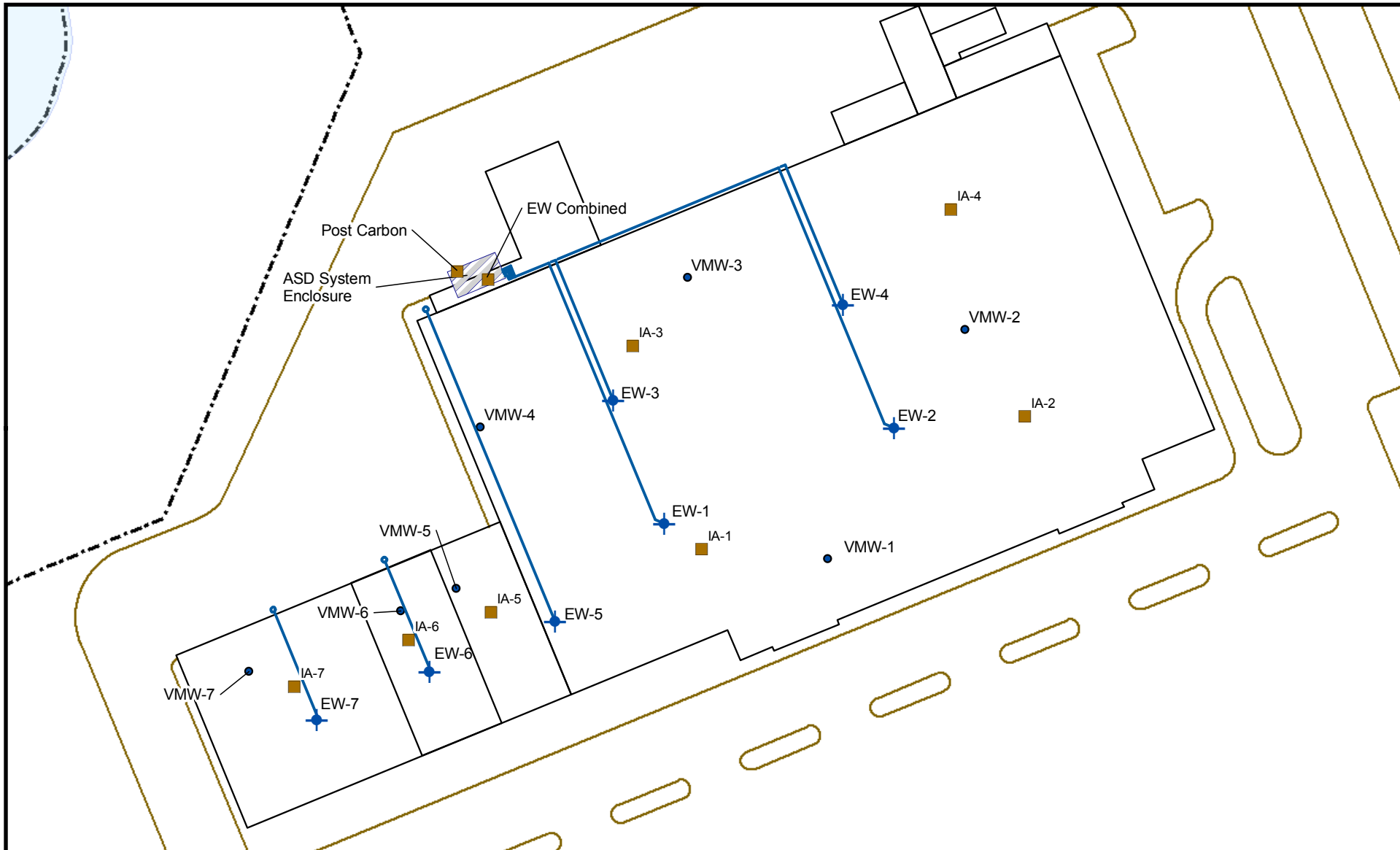
Date	Pressure Differential (inches of water)			
	VMW-1	VMW-2	VMW-3	VMW-4
2/3/2009	-0.20	-0.62	-0.15	-0.12
2/18/2009	-0.509	-0.738	-0.650	-0.253
2/26/2009	-0.511	-0.710	-0.665	-0.273
3/6/2009	-0.507	-0.610	-0.715	-0.251
3/6/2009*	-0.120	-0.195	-0.230	-0.028
3/31/2009	-0.148	-0.221	-0.244	-0.072
4/14/2009	-0.140	-0.210	-0.215	-0.081
5/15/2009	-0.133	-0.193	-0.208	-0.087

* vacuum reduced at extraction wells

Prepared by/Date: PJM 06/02/09

Checked by/Date: CAC 06/02/09

FIGURES



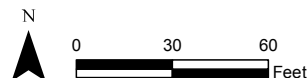
All locations are approximate

Legend

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

Figure 1
Vapor Mitigation
Sample Locations

Former Gorham Manufacturing Facility
333 Adelaide Avenue
Providence, Rhode Island



Prepared by BJR | Checked by MJM

APPENDIX A

Laboratory Reports *(provided on CD)*



FILE COPY

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

REPORT DATE 1/30/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200900578

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-22691
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	09B01346	AIR	Not Specified	to-15 ppbv	
AA-1	09B01346	AIR	Not Specified	to-15 ug/m3	
IA-1	09B01339	AIR	Not Specified	to-15 ppbv	
IA-1	09B01339	AIR	Not Specified	to-15 ug/m3	
IA-2	09B01340	AIR	Not Specified	to-15 ppbv	
IA-2	09B01340	AIR	Not Specified	to-15 ug/m3	
IA-3	09B01341	AIR	Not Specified	to-15 ppbv	
IA-3	09B01341	AIR	Not Specified	to-15 ug/m3	
IA-4	09B01342	AIR	Not Specified	to-15 ppbv	
IA-4	09B01342	AIR	Not Specified	to-15 ug/m3	
IA-5	09B01343	AIR	Not Specified	to-15 ppbv	
IA-5	09B01343	AIR	Not Specified	to-15 ug/m3	
IA-6	09B01344	AIR	Not Specified	to-15 ppbv	
IA-6	09B01344	AIR	Not Specified	to-15 ug/m3	
IA-7	09B01345	AIR	Not Specified	to-15 ppbv	
IA-7	09B01345	AIR	Not Specified	to-15 ug/m3	
PVC GLVE TEST	09B01347	AIR	Not Specified	to-15 ppbv	
PVC GLVE TEST	09B01347	AIR	Not Specified	to-15 ug/m3	

CHECKED FOR COMPLETENESS
OF PARAMETERS ORDERED BY:



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

REPORT DATE 1/30/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200900578

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22691
JOB NUMBER: 3650080114

Comments :

LIMS BATCH NO. : LIMT-22691

REVISED REPORT - 01/29/09 - Narrative revised to describe dilution analyzed for sample 09B01347.

In method TO-15, method blank-128797 contained Ethanol at 0.13 ppbv = 0.26 ug/m3 and 2-Butanone(MEK) at 0.04 ppbv = 0.12 ug/m3.

In method TO-15, method blank-128798 contained Acetone at 0.53 ppbv = 1.2 ug/m3 and 2-Butanone(MEK) at 0.03 ppbv = 0.11 ug/m3.

In method TO-15, method blank-128799 contained Acetone at 0.14 ppbv = 0.33 ug/m3 and 2-Butanone(MEK) at 0.02 ppbv = 0.07 ug/m3.

Acetone, 2-Butanone(MEK), and Tetrahydrofuran results for sample 09B01347 were reported from a 150x dilution. Undiluted sample was over the verified calibration curve for these compounds.

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.

Edward Denson 1/30/09

SIGNATURE

DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 1 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample #: AA-1

Sample ID: 09B01346

‡Sampled: 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.1	0.05		01/22/09	WSD
Benzene	PPBv	0.22	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	0.20	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.51	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.40	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	2.1	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	ND	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	ND	0.05		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200900578

1/30/2009

Page 2 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : AA-1

Sample ID : 09B01346

‡Sampled : 1/16/2009

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		01/22/09	WSD
Hexane	PPBv	0.43	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	0.59	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	1.6	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		01/22/09	WSD
Toluene	PPBv	0.25	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	ND	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	ND	0.05		01/22/09	WSD
m/p-Xylene	PPBv	ND	0.10		01/22/09	WSD
o-Xylene	PPBv	ND	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	7.3	0.12		01/22/09	WSD
Benzene	ug/m3	0.69	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	0.58	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 4 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample #: AA-1

Sample ID: 09B01346

‡Sampled: 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		01/22/09	WSD
Toluene	ug/m3	0.94	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	ND	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.68	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	ND	0.43		01/22/09	WSD
o-Xylene	ug/m3	ND	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 5 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-1

Sample ID : 09B01339

‡Sampled : 1/16/2009

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		01/22/09	WSD
Benzene	PPBv	0.31	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	6.9	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.52	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.37	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.18	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.10	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.51	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	3.0	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	0.06	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	0.06	0.05		01/22/09	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

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

1/30/2009
 Page 6 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
 Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
 LIMS-BAT #: LIMIT-22691
 Job Number: 3650080114

Field Sample # : IA-1

Sample ID : 09B01339 ‡Sampled : 1/16/2009
 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		01/22/09	WSD
Hexane	PPBv	0.26	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	1.4	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.66	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	0.98	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	4.1	0.05		01/22/09	WSD
Toluene	PPBv	0.45	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	1.9	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	0.78	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.37	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	0.10	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.17	0.10		01/22/09	WSD
o-Xylene	PPBv	0.06	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	18	0.12		01/22/09	WSD
Benzene	ug/m3	1.00	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	20	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 7 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-1

Sample ID : 09B01339

‡Sampled : 1/16/2009

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	0.35	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.1	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	1.8	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	0.71	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	0.38	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	2.0	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	5.7	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		01/22/09	WSD
Ethylbenzene	ug/m3	0.26	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	0.23	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	0.92	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	3.4	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	2.3	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 8 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-1

Sample ID : 09B01339

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	6.6	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	12	0.15		01/22/09	WSD
Toluene	ug/m3	1.7	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	10	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	4.2	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	2.1	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.65	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	0.26	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.76	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.26	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 9 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-2

Sample ID : 09B01340

‡Sampled : 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.3	0.05		01/22/09	WSD
Benzene	PPBv	0.32	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	7.0	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.05	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.55	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.36	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.18	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.10	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.54	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	2.9	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	0.06	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	0.06	0.05		01/22/09	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

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

1/30/2009
 Page 10 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
 Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
 LIMS-BAT #: LIMIT-22691
 Job Number: 3650080114

Field Sample # : IA-2

Sample ID : 09B01340 ‡Sampled : 1/16/2009
 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		01/22/09	WSD
Hexane	PPBv	0.25	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	1.5	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.58	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	1.1	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	4.2	0.05		01/22/09	WSD
Toluene	PPBv	0.46	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	1.8	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	0.83	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.35	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	0.11	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.18	0.10		01/22/09	WSD
o-Xylene	PPBv	0.07	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	17	0.12		01/22/09	WSD
Benzene	ug/m3	1.0	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	21	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200900578

1/30/2009

Page 11 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-2

Sample ID : 09B01340

‡Sampled : 1/16/2009

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	0.33	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.1	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	1.8	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	0.72	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	0.41	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	2.1	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	5.5	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		01/22/09	WSD
Ethylbenzene	ug/m3	0.26	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	0.23	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	0.88	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	3.7	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	2.0	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 12 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-2

Sample ID : 09B01340

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	7.5	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	12	0.15		01/22/09	WSD
Toluene	ug/m3	1.7	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	9.9	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	4.4	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	2.0	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.69	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	0.27	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.76	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.30	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 13 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-3

Sample ID : 09B01341

‡Sampled : 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.4	0.05		01/22/09	WSD
Benzene	PPBv	0.33	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	6.8	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.05	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.56	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.38	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.17	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.09	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.47	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	2.9	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	0.06	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	0.05	0.05		01/22/09	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

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

1/30/2009
 Page 14 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
 Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
 LIMS-BAT #: LIMIT-22691
 Job Number: 3650080114

Field Sample # : IA-3

Sample ID : 09B01341 ‡Sampled : 1/16/2009
 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		01/22/09	WSD
Hexane	PPBv	0.27	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	1.4	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.64	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	0.90	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	4.1	0.05		01/22/09	WSD
Toluene	PPBv	0.44	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	1.8	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	0.73	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.35	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	0.09	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.17	0.10		01/22/09	WSD
o-Xylene	PPBv	0.06	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	18	0.12		01/22/09	WSD
Benzene	ug/m3	1.0	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	20	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 15 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-3

Sample ID : 09B01341

‡Sampled : 1/16/2009

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	0.34	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.1	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	1.9	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	0.68	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	0.35	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1.9	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	5.5	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		01/22/09	WSD
Ethylbenzene	ug/m3	0.25	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	0.22	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	0.94	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	3.5	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	2.2	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 16 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-3

Sample ID : 09B01341

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	6.1	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	12	0.15		01/22/09	WSD
Toluene	ug/m3	1.7	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	9.8	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	3.9	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	1.9	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.60	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	0.23	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.75	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.28	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 17 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-4

Sample ID : 09B01342

‡Sampled : 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.4	0.05		01/22/09	WSD
Benzene	PPBv	0.34	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	7.0	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.57	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.39	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.18	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.11	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.59	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	2.8	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	0.06	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	0.06	0.05		01/22/09	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

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

1/30/2009
 Page 18 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
 Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
 LIMS-BAT #: LIMIT-22691
 Job Number: 3650080114

Field Sample # : IA-4

Sample ID : 09B01342 ‡Sampled : 1/16/2009
 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		01/22/09	WSD
Hexane	PPBv	0.25	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	1.4	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.65	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	1.1	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	4.4	0.05		01/22/09	WSD
Toluene	PPBv	0.47	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	1.9	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	0.88	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.36	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.05	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	0.11	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.18	0.10		01/22/09	WSD
o-Xylene	PPBv	0.06	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	17	0.12		01/22/09	WSD
Benzene	ug/m3	1.1	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	21	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 19 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-4

Sample ID : 09B01342

‡Sampled : 1/16/2009

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	0.40	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.2	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	1.9	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	0.73	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	0.42	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	2.4	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	5.3	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		01/22/09	WSD
Ethylbenzene	ug/m3	0.25	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	0.23	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	0.90	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	3.5	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	2.3	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 20 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-4

Sample ID : 09B01342

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	7.3	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	13	0.15		01/22/09	WSD
Toluene	ug/m3	1.8	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	10	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	4.7	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	2.0	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.72	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.26	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	0.29	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.76	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.27	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 21 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-5

Sample ID : 09B01343

‡Sampled : 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	13	0.05		01/22/09	WSD
Benzene	PPBv	0.25	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	2.4	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.05	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.54	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.40	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.45	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.15	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	310	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	0.21	0.05		01/22/09	WSD
Ethylbenzene	PPBv	ND	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	ND	0.05		01/22/09	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

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

1/30/2009
 Page 22 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
 Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
 LIMS-BAT #: LIMIT-22691
 Job Number: 3650080114

Field Sample # : IA-5

Sample ID : 09B01343 ‡Sampled : 1/16/2009
 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		01/22/09	WSD
Hexane	PPBv	0.24	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	1.6	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.56	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	0.06	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	1.1	0.05		01/22/09	WSD
Toluene	PPBv	0.34	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	8.7	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	1.0	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.53	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	ND	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.14	0.10		01/22/09	WSD
o-Xylene	PPBv	0.05	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	32	0.12		01/22/09	WSD
Benzene	ug/m3	0.79	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	7.2	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 23 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-5

Sample ID : 09B01343

‡Sampled : 1/16/2009

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	0.33	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.1	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	1.8	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	0.58	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	590	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	0.75	0.18		01/22/09	WSD
Ethylbenzene	ug/m3	ND	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	ND	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	0.84	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	3.8	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	2.0	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 24 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-5

Sample ID : 09B01343

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	0.39	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	3.2	0.15		01/22/09	WSD
Toluene	ug/m3	1.3	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	48	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	5.5	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	3.0	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.62	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.60	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.23	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 25 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-6

Sample ID : 09B01344

‡Sampled : 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	19	0.05		01/22/09	WSD
Benzene	PPBv	0.33	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	40	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.62	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.41	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.96	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.30	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.10	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	22	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	0.07	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	0.07	0.05		01/22/09	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

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

1/30/2009
 Page 26 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
 Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
 LIMS-BAT #: LIMIT-22691
 Job Number: 3650080114

Field Sample # : IA-6

Sample ID : 09B01344 ‡Sampled : 1/16/2009
 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		01/22/09	WSD
Hexane	PPBv	0.35	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	1.9	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.72	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	0.18	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	26	0.05		01/22/09	WSD
Toluene	PPBv	0.48	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	20	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	2.4	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.85	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.15	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	ND	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.19	0.10		01/22/09	WSD
o-Xylene	PPBv	0.08	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	44	0.12		01/22/09	WSD
Benzene	ug/m3	1.0	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	120	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

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

1/30/2009
 Page 27 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
 Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
 LIMS-BAT #: LIMIT-22691
 Job Number: 3650080114

Field Sample # : IA-6

Sample ID : 09B01344 ‡Sampled : 1/16/2009
 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	0.39	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.3	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	3.9	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	1.2	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.40	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	41	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		01/22/09	WSD
Ethylbenzene	ug/m3	0.29	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	0.27	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	1.2	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	4.7	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	2.5	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 28 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-6

Sample ID : 09B01344

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	1.2	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	77	0.15		01/22/09	WSD
Toluene	ug/m3	1.8	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	110	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	13	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	4.8	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.75	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.82	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.36	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 29 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-7

Sample ID : 09B01345

‡Sampled : 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	12	0.05		01/22/09	WSD
Benzene	PPBv	0.30	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	24	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.05	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.81	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.43	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.31	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.13	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.07	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	3.9	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	0.05	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	0.05	0.05		01/22/09	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

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

1/30/2009
Page 30 of 37

Project Location: PROVIDENCE-RI (GORHAM SITE)
Date Received: 1/19/2009

Purchase Order No.: 200900578

Project Number: 3650080114
LIMS-BAT #: LIMIT-22691
Job Number: 3650080114

Field Sample #: IA-7

Sample ID: 09B01345 ‡Sampled: 1/16/2009
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		01/22/09	WSD
Hexane	PPBv	0.26	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	1.5	0.05		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.54	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	0.23	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	15	0.05		01/22/09	WSD
Toluene	PPBv	0.41	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	8.1	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	0.86	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.84	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	ND	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.14	0.10		01/22/09	WSD
o-Xylene	PPBv	0.06	0.05		01/22/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	29	0.12		01/22/09	WSD
Benzene	ug/m3	0.95	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	70	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 31 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-7

Sample ID : 09B01345

‡Sampled : 1/16/2009

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	0.32	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.7	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	1.3	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	0.52	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.29	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	7.3	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		01/22/09	WSD
Ethylbenzene	ug/m3	0.23	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	0.20	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	0.90	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	3.7	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	1.9	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 32 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : IA-7

Sample ID : 09B01345

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	1.6	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	45	0.15		01/22/09	WSD
Toluene	ug/m3	1.5	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	44	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	4.6	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	4.7	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.62	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.61	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.24	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 33 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : PVC GLVE TEST

Sample ID : 09B01347

‡Sampled : 1/16/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	910	0.05		01/22/09	WSD
Benzene	PPBv	0.28	0.05		01/22/09	WSD
Benzyl Chloride	PPBv	ND	0.05		01/22/09	WSD
Bromodichloromethane	PPBv	ND	0.05		01/22/09	WSD
Bromoform	PPBv	ND	0.05		01/22/09	WSD
Bromomethane	PPBv	ND	0.05		01/22/09	WSD
1,3-Butadiene	PPBv	ND	0.05		01/22/09	WSD
2-Butanone (MEK)	PPBv	950	0.05		01/22/09	WSD
Carbon Disulfide	PPBv	ND	0.05		01/22/09	WSD
Carbon Tetrachloride	PPBv	0.05	0.05		01/22/09	WSD
Chlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		01/22/09	WSD
Chloroethane	PPBv	ND	0.05		01/22/09	WSD
Chloroform	PPBv	ND	0.05		01/22/09	WSD
Chloromethane	PPBv	0.48	0.05		01/22/09	WSD
Cyclohexane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
Dichlorodifluoromethane	PPBv	0.36	0.05		01/22/09	WSD
1,1-Dichloroethane	PPBv	0.21	0.05		01/22/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		01/22/09	WSD
1,1-Dichloroethylene	PPBv	0.13	0.05		01/22/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.49	0.05		01/22/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		01/22/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		01/22/09	WSD
Ethanol	PPBv	4.7	0.05		01/22/09	WSD
Ethyl Acetate	PPBv	ND	0.10		01/22/09	WSD
Ethylbenzene	PPBv	0.05	0.05		01/22/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		01/22/09	WSD
n-Heptane	PPBv	ND	0.05		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 34 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : PVC GLVE TEST

Sample ID : 09B01347

‡Sampled : 1/16/2009

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		01/22/09	WSD
Hexane	PPBv	0.28	0.05		01/22/09	WSD
2-Hexanone	PPBv	ND	0.05		01/22/09	WSD
Isopropanol	PPBv	ND	0.10		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		01/22/09	WSD
Methylene Chloride	PPBv	0.56	0.05		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		01/22/09	WSD
Propene	PPBv	ND	0.10		01/22/09	WSD
Styrene	PPBv	ND	0.05		01/22/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		01/22/09	WSD
Tetrachloroethylene	PPBv	0.81	0.05		01/22/09	WSD
Tetrahydrofuran	PPBv	820	0.05		01/22/09	WSD
Toluene	PPBv	0.37	0.05		01/22/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		01/22/09	WSD
1,1,1-Trichloroethane	PPBv	2.5	0.05		01/22/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		01/22/09	WSD
Trichloroethylene	PPBv	0.95	0.05		01/22/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.38	0.05		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		01/22/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		01/22/09	WSD
Vinyl Acetate	PPBv	ND	0.20		01/22/09	WSD
Vinyl Chloride	PPBv	0.07	0.05		01/22/09	WSD
m/p-Xylene	PPBv	0.14	0.10		01/22/09	WSD
o-Xylene	PPBv	0.06	0.05		01/22/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	2200	0.12		01/22/09	WSD
Benzene	ug/m3	0.90	0.16		01/22/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		01/22/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		01/22/09	WSD
Bromoform	ug/m3	ND	0.51		01/22/09	WSD
Bromomethane	ug/m3	ND	0.19		01/22/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		01/22/09	WSD
2-Butanone (MEK)	ug/m3	2800	0.15		01/22/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200900578

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

1/30/2009

Page 35 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : PVC GLVE TEST

Sample ID : 09B01347

‡Sampled : 1/16/2009

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	0.34	0.31		01/22/09	WSD
Chlorobenzene	ug/m3	ND	0.23		01/22/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		01/22/09	WSD
Chloroethane	ug/m3	ND	0.13		01/22/09	WSD
Chloroform	ug/m3	ND	0.24		01/22/09	WSD
Chloromethane	ug/m3	1.00	0.10		01/22/09	WSD
Cyclohexane	ug/m3	ND	0.17		01/22/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		01/22/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		01/22/09	WSD
Dichlorodifluoromethane	ug/m3	1.8	0.25		01/22/09	WSD
1,1-Dichloroethane	ug/m3	0.84	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	0.50	0.20		01/22/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1.9	0.20		01/22/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		01/22/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		01/22/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		01/22/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		01/22/09	WSD
Ethanol	ug/m3	8.8	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		01/22/09	WSD
Ethylbenzene	ug/m3	0.23	0.22		01/22/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		01/22/09	WSD
n-Heptane	ug/m3	ND	0.20		01/22/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		01/22/09	WSD
Hexane	ug/m3	0.99	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	ND	0.25		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	2.0	0.17		01/22/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		01/22/09	WSD
Propene	ug/m3	ND	0.18		01/22/09	WSD
Styrene	ug/m3	ND	0.21		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 36 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

Field Sample # : PVC GLVE TEST

Sample ID : 09B01347

‡Sampled : 1/16/2009

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		01/22/09	WSD
Tetrachloroethylene	ug/m3	5.5	0.34		01/22/09	WSD
Tetrahydrofuran	ug/m3	2400	0.15		01/22/09	WSD
Toluene	ug/m3	1.4	0.19		01/22/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		01/22/09	WSD
1,1,1-Trichloroethane	ug/m3	14	0.27		01/22/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		01/22/09	WSD
Trichloroethylene	ug/m3	5.1	0.27		01/22/09	WSD
Trichlorofluoromethane	ug/m3	2.1	0.28		01/22/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.57	0.38		01/22/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		01/22/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		01/22/09	WSD
Vinyl Chloride	ug/m3	0.17	0.13		01/22/09	WSD
m/p-Xylene	ug/m3	0.60	0.43		01/22/09	WSD
o-Xylene	ug/m3	0.26	0.22		01/22/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

1/30/2009

Page 37 of 37

Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

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



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

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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 1 of 9

QC Batch Number: BATCH-15887

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01339	4-Bromofluorobenzene	Surrogate Recovery	80.87	%	70-130
09B01340	4-Bromofluorobenzene	Surrogate Recovery	83.62	%	70-130
09B01341	4-Bromofluorobenzene	Surrogate Recovery	83.62	%	70-130
09B01342	4-Bromofluorobenzene	Surrogate Recovery	83.87	%	70-130
09B01343	4-Bromofluorobenzene	Surrogate Recovery	86.87	%	70-130
09B01344	4-Bromofluorobenzene	Surrogate Recovery	87.37	%	70-130
09B01345	4-Bromofluorobenzene	Surrogate Recovery	86.62	%	70-130
09B01346	4-Bromofluorobenzene	Surrogate Recovery	85.75	%	70-130
09B01347	4-Bromofluorobenzene	Surrogate Recovery	91.25	%	70-130
BLANK-128797	Acetone	Blank	1.28	ug/m3	
	Benzene	Blank	<0.11	ug/m3	
	Carbon Tetrachloride	Blank	<0.21	ug/m3	
	Chloroform	Blank	<0.17	ug/m3	
	1,2-Dichloroethane	Blank	<0.14	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.21	ug/m3	
	Ethyl Acetate	Blank	<0.25	ug/m3	
	Ethylbenzene	Blank	<0.15	ug/m3	
	Hexane	Blank	<0.13	ug/m3	
	Isopropanol	Blank	<0.17	ug/m3	
	2-Butanone (MEK)	Blank	0.11	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<0.14	ug/m3	
	Styrene	Blank	<0.15	ug/m3	
	Tetrachloroethylene	Blank	<0.23	ug/m3	
	Toluene	Blank	<0.13	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.19	ug/m3	
	Trichloroethylene	Blank	<0.19	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.26	ug/m3	
	Trichlorofluoromethane	Blank	<0.19	ug/m3	
	o-Xylene	Blank	<0.15	ug/m3	
	m/p-Xylene	Blank	<0.29	ug/m3	
	1,2-Dichlorobenzene	Blank	<0.21	ug/m3	
	1,3-Dichlorobenzene	Blank	<0.21	ug/m3	
	1,1-Dichloroethane	Blank	<0.14	ug/m3	
	1,1-Dichloroethylene	Blank	<0.14	ug/m3	



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

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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 2 of 9

QC Batch Number: BATCH-15887

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128797					
	Ethanol	Blank	0.34	ug/m3	
	4-Ethyl Toluene	Blank	<0.17	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<0.13	ug/m3	
	t-1,2-Dichloroethylene	Blank	<0.14	ug/m3	
	Vinyl Chloride	Blank	<0.09	ug/m3	
	Methylene Chloride	Blank	<0.24	ug/m3	
	Chlorobenzene	Blank	<0.16	ug/m3	
	Chloromethane	Blank	<0.07	ug/m3	
	Bromomethane	Blank	<0.13	ug/m3	
	Chloroethane	Blank	<0.09	ug/m3	
	cis-1,3-Dichloropropene	Blank	<0.15	ug/m3	
	trans-1,3-Dichloropropene	Blank	<0.15	ug/m3	
	Chlorodibromomethane	Blank	<0.29	ug/m3	
	1,1,2-Trichloroethane	Blank	<0.19	ug/m3	
	Bromoform	Blank	<0.35	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<0.23	ug/m3	
	Hexachlorobutadiene	Blank	<0.72	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.25	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.17	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.17	ug/m3	
	Cyclohexane	Blank	<0.12	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.14	ug/m3	
	1,2-Dichloropropane	Blank	<0.16	ug/m3	
	Dichlorodifluoromethane	Blank	<0.17	ug/m3	
	Benzyl Chloride	Blank	<0.18	ug/m3	
	Carbon Disulfide	Blank	<0.11	ug/m3	
	Vinyl Acetate	Blank	<0.47	ug/m3	
	2-Hexanone	Blank	<0.14	ug/m3	
	Bromodichloromethane	Blank	<0.23	ug/m3	
	1,2-Dibromoethane	Blank	<0.26	ug/m3	
	n-Heptane	Blank	<0.14	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.24	ug/m3	
	Tetrahydrofuran	Blank	<0.11	ug/m3	
	Propene	Blank	<0.12	ug/m3	
	1,3-Butadiene	Blank	<0.08	ug/m3	
BLANK-128798					
	2-Butanone (MEK)	Blank	0.12	ug/m3	
	Ethanol	Blank	0.26	ug/m3	
BLANK-128799					
	Acetone	Blank	0.33	ug/m3	
	2-Butanone (MEK)	Blank	0.07	ug/m3	
	Tetrahydrofuran	Blank	<0.06	ug/m3	
LFBLANK-90853					



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

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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 3 of 9

QC Batch Number: BATCH-15887

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90853	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	15.02	ug/m3	
		Lab Fort Blk. % Rec.	126.48	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	13.36	ug/m3	
		Lab Fort Blk. % Rec.	83.75	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	26.21	ug/m3	
		Lab Fort Blk. % Rec.	83.34	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	19.92	ug/m3	
		Lab Fort Blk. % Rec.	81.87	%	70-130
1,2-Dichloroethane		Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	15.28	ug/m3	
		Lab Fort Blk. % Rec.	75.50	%	70-130
1,4-Dichlorobenzene		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	36.86	ug/m3	
		Lab Fort Blk. % Rec.	122.62	%	70-130
Ethyl Acetate		Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	19.65	ug/m3	
		Lab Fort Blk. % Rec.	109.08	%	50-150
Ethylbenzene		Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	19.67	ug/m3	
		Lab Fort Blk. % Rec.	90.78	%	70-130
Hexane		Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	17.55	ug/m3	
		Lab Fort Blk. % Rec.	99.60	%	70-130
Isopropanol		Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	17.76	ug/m3	
		Lab Fort Blk. % Rec.	144.60	%	50-150
2-Butanone (MEK)		Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	15.57	ug/m3	
		Lab Fort Blk. % Rec.	105.66	%	70-130
4-Methyl-2-Pentanone (MIBK)		Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	25.07	ug/m3	
		Lab Fort Blk. % Rec.	122.42	%	70-130
Styrene		Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	20.11	ug/m3	
		Lab Fort Blk. % Rec.	94.60	%	70-130
Tetrachloroethylene		Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	33.91	ug/m3	
		Lab Fort Blk. % Rec.	100.04	%	70-130
Toluene		Lab Fort Blank Amt.	18.81	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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 4 of 9

QC Batch Number: BATCH-15887

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90853					
	Toluene	Lab Fort Blk. Found	17.01	ug/m3	
		Lab Fort Blk. % Rec.	90.44	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	21.72	ug/m3	
		Lab Fort Blk. % Rec.	79.64	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	24.99	ug/m3	
		Lab Fort Blk. % Rec.	93.02	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	46.94	ug/m3	
		Lab Fort Blk. % Rec.	122.52	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	28.41	ug/m3	
		Lab Fort Blk. % Rec.	101.16	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	20.59	ug/m3	
		Lab Fort Blk. % Rec.	94.82	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	38.94	ug/m3	
		Lab Fort Blk. % Rec.	89.66	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	37.78	ug/m3	
		Lab Fort Blk. % Rec.	125.68	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	37.89	ug/m3	
		Lab Fort Blk. % Rec.	126.06	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	15.66	ug/m3	
		Lab Fort Blk. % Rec.	77.39	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	20.91	ug/m3	
		Lab Fort Blk. % Rec.	105.42	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	14.12	ug/m3	
		Lab Fort Blk. % Rec.	149.88	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.70	ug/m3	
		Lab Fort Blk. % Rec.	104.56	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	13.85	ug/m3	
		Lab Fort Blk. % Rec.	76.83	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	15.58	ug/m3	



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

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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 5 of 9

QC Batch Number: BATCH-15887

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90853					
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	78.59	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	12.82	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	100.38	%	70-130
		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	22.34	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	128.68	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	21.91	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	95.15	%	70-130
		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.59	ug/m3	
	Bromomethane	Lab Fort Blk. % Rec.	102.58	%	70-130
		Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	23.01	ug/m3	
	Chloroethane	Lab Fort Blk. % Rec.	118.60	%	70-130
		Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	14.16	ug/m3	
	cis-1,3-Dichloropropene	Lab Fort Blk. % Rec.	107.42	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.45	ug/m3	
	trans-1,3-Dichloropropene	Lab Fort Blk. % Rec.	85.69	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.93	ug/m3	
	Chlorodibromomethane	Lab Fort Blk. % Rec.	87.79	%	70-130
		Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	45.90	ug/m3	
	1,1,2-Trichloroethane	Lab Fort Blk. % Rec.	107.76	%	70-130
		Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	24.97	ug/m3	
	Bromoform	Lab Fort Blk. % Rec.	91.55	%	70-130
		Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	66.54	ug/m3	
	1,1,2,2-Tetrachloroethane	Lab Fort Blk. % Rec.	128.72	%	70-130
		Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	39.02	ug/m3	
	Hexachlorobutadiene	Lab Fort Blk. % Rec.	113.66	%	70-130
		Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	69.85	ug/m3	
	1,2,4-Trichlorobenzene	Lab Fort Blk. % Rec.	130.97	%	70-130
		Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	56.60	ug/m3	
		Lab Fort Blk. % Rec.	152.54	%	70-130



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

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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 6 of 9

QC Batch Number: BATCH-15887

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90853	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.62	ug/m3	
		Lab Fort Blk. % Rec.	100.16	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.21	ug/m3	
		Lab Fort Blk. % Rec.	98.52	%	70-130
Cyclohexane		Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	18.79	ug/m3	
		Lab Fort Blk. % Rec.	109.18	%	50-150
cis-1,2-Dichloroethylene		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	15.67	ug/m3	
		Lab Fort Blk. % Rec.	79.04	%	70-130
1,2-Dichloropropane		Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	19.11	ug/m3	
		Lab Fort Blk. % Rec.	82.72	%	70-130
Dichlorodifluoromethane		Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	22.56	ug/m3	
		Lab Fort Blk. % Rec.	91.28	%	70-130
Benzyl Chloride		Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	29.71	ug/m3	
		Lab Fort Blk. % Rec.	114.78	%	70-130
Carbon Disulfide		Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	18.20	ug/m3	
		Lab Fort Blk. % Rec.	116.91	%	70-130
Vinyl Acetate		Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	19.81	ug/m3	
		Lab Fort Blk. % Rec.	112.56	%	70-130
2-Hexanone		Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	25.22	ug/m3	
		Lab Fort Blk. % Rec.	123.14	%	50-150
Bromodichloromethane		Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	30.88	ug/m3	
		Lab Fort Blk. % Rec.	92.18	%	70-130
1,2-Dibromoethane		Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	37.31	ug/m3	
		Lab Fort Blk. % Rec.	97.12	%	70-130
n-Heptane		Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	17.80	ug/m3	
		Lab Fort Blk. % Rec.	86.90	%	50-150
1,2-Dichlorotetrafluoroethane (114)		Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	37.47	ug/m3	
		Lab Fort Blk. % Rec.	107.22	%	70-130
Tetrahydrofuran		Lab Fort Blank Amt.	14.74	ug/m3	



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

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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 7 of 9

QC Batch Number: BATCH-15887

Sample Id	Analysis	QC Analysis	Values	Units	Limits	
LFBLANK-90853	Tetrahydrofuran	Lab Fort Blk. Found	15.61	ug/m3		
		Lab Fort Blk. % Rec.	105.88	%	50-150	
		Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		1,3-Butadiene	Lab Fort Blk. Found	8.30	ug/m3	
			Lab Fort Blk. % Rec.	96.50	%	50-150
			Lab Fort Blank Amt.	11.06	ug/m3	
			Lab Fort Blk. Found	14.06	ug/m3	
			Lab Fort Blk. % Rec.	127.16	%	70-130
			LFBLANK-90854	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74
Lab Fort Blk. Found	14.54	ug/m3				
Lab Fort Blk. % Rec.	98.67	%			70-130	
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3		
		Lab Fort Blk. Found	13.75	ug/m3		
		Lab Fort Blk. % Rec.	146.00	%	50-150	
LFBLANK-90855	Acetone	Lab Fort Blank Amt.	11.87	ug/m3		
		Lab Fort Blk. Found	13.86	ug/m3		
		Lab Fort Blk. % Rec.	116.74	%	50-150	
		2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
			Lab Fort Blk. Found	14.72	ug/m3	
			Lab Fort Blk. % Rec.	99.88	%	70-130
		Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
			Lab Fort Blk. Found	14.39	ug/m3	
			Lab Fort Blk. % Rec.	97.60	%	50-150



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

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: 1/30/2009

Lims Bat # : LIMIT-22691

Page 8 of 9

NOTES:

QC Batch No. : BATCH-15887

Sample ID : LFBLANK-90853

Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-15887

Sample ID : LFBLANK-90853

Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH 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: 1/30/2009 Lims Bat #: LIMIT-22691 Page 9 of 9

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
www.contestlabs.com

Company Name: MACTEC

Address: 107 Audubon Rd, Suite 301
Wakefield, MA 01880

Project Location: Providence, RI (Gosham Site)
PTM

Attention: Chuck Collet

Proposal Provided? (For Billing purposes)
 Yes 1.9.09 proposal date

AIR SAMPLE CHAIN OF CUSTODY RECORD

Telephone: (Tel) 245-6666
Project # 3650002014
Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

EMAIL: caacollect@mactest.com
Format: EXCEL PDF GIS KEY OTHER

ANALYSIS REQUESTED	"Hg"		Please fill out completely, sign, date and retain the yellow copy for your record.
	I n t e r s u r e	F i n a l i n e c e r t i f i c a t e	
			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 (L/Min)	Volume (Liters) or M ³	Matrix Code*	Flow Controller ID	
				Start Time	Stop Time						
IA-1	MACTEC	S	MACTEC	1.16.09 0900	1.16.09 0930	30	0.2	6	IA	1826	4068
IA-2		S		1.16.09 0904	1.16.09 0934	30	0.2	6	IA	1131	4066
IA-3		S		1.16.09 0902	1.16.09 0932	30	0.2	6	IA	1473	4065
IA-4		S		1.16.09 0905	1.16.09 0935	30	0.2	6	IA	1704	4067
IA-5		S		1.16.09 0947	1.16.09 1017	30	0.2	6	IA	1090	4092
IA-6		S		1.16.09 0945	1.16.09 1015	30	0.2	6	IA	1504	4088
IA-7		S		1.16.09 0942	1.16.09 1012	30	0.2	6	IA	1212	4091
AA-1		S		1.16.09 0907	1.16.09 0937	30	0.2	6	AMB	1613	4085

CLIENT COMMENTS:

Relinquished by: (signature) 1.19.09 / 1402

Received by: (signature) 1.19.09 / 1402

Relinquished by: (signature) 1.19.09 / 1648

Received by: (signature) 01/19/09 / 1648

Turnaround **
 7-Day
 10-Day
 Other _____

RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day

Approval Required
 *24-Hr *48-Hr
 *72-Hr *4-Day

Special Requirements
Regulations: CT Target Indoor Air
Data Enhancement/RCP? Y N
Enhanced Data Package Y N

Required Detection Limits: CT Target Indoor Air
Other: _____

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

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

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

39 SPRUCE ST
EAST LONGMEADOW, MA 01028



Phone: 413-525-2332 Fax: 413-525-6405

AIR SAMPLE CHAIN OF CUSTODY RECORD

www.contestlabs.com

39 SPRUCE ST EAST LONGMEADOW, MA 01028

Page 2 of 2

Company Name: MACTEL

107 Andrew Rd, Suite 301

Address: Wakefield, MA 01880

Wakefield, MA 01880

Client PO #

Attention: Chuck Collet

Project Location: Providence, RI (Greenham St.)

Sampled By: PSM

Proposal Provided? (For Billing purposes)

Yes 1.9.09 proposal date

Telephone: (781) 245-6666

Project # 365008014

Client PO #

DATA DELIVERY (check one):

DFAX EMAIL WEBSITE CLIENT

Format: EXCEL PDF GIS KEY OTHER

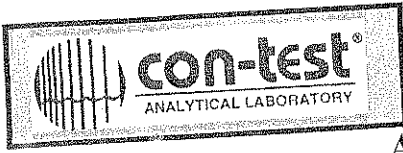
Date Sampled

Field ID	Sample Description	Media	Lab #	Date	Stop	Total	Flow Rate	Volume	Matrix
Time	Time	Time	Time	Time	Minutes Sampled	Minutes Sampled	(L/Min)	(Liters) or M ³	Code*
	PVC GIVE TEST	S	0801347	1.18.09 11:09	1.18.09 11:39	30	0.2	6	IA

Laboratory Comments: CLIENT COMMENTS: PVC Give Test Sample was exposed to PVC give and primer in enclosed room. HighActive and method etnl. Ketone expected.

Turnaround**		Regulations:	Special Requirements
Received by: (signature)	Date/Time: 1.19.09 / 1402	CF Target Indoor Air (Low level)	SG = SOIL GAS
Relinquished by: (signature)	Date/Time: 1.15.09 1402	Data Enhancement/RCP? Y N	IA = INDOOR AIR
Received by: (signature)	Date/Time: 1.19.09 1648	Enhanced Data Package Y N	AMB = AMBIENT
Relinquished by: (signature)	Date/Time: 01/19/09 1648	Required Detection Limits:	SS = SUB SLAB

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



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MACTEC
RECEIVED BY: km DATE: 01/19/09

Was chain of custody relinquished and signed? YES NO
Does Chain agree with samples? YES NO

If not, explain: _____

All Samples in good condition? YES NO

If not, explain: _____

Are there any on hold samples? YES NO STORED WHERE: _____

ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED? _____ DATE _____ TIME _____

Location where samples are stored: AIR

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	10
Tedlar Bags	
Regulators	
Restrictors	10
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: _____



FILE COPY

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

REPORT DATE 2/11/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200902144

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23042
JOB NUMBER: 3650080114.11

PROJECT LOCATION: GORHAM-PROVIDENCE-RI

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-020309	09B03225	AIR	Not Specified	to-15 ppbv	
*AA-1-020309	09B03225	AIR	Not Specified	to-15 ug/m3	
*EW-5-020309	09B03226	AIR	Not Specified	to-15 ppbv	
*EW-5-020309	09B03226	AIR	Not Specified	to-15 ug/m3	
*EW-6-020309	09B03227	AIR	Not Specified	to-15 ppbv	
*EW-6-020309	09B03227	AIR	Not Specified	to-15 ug/m3	
*EW-7-020309	09B03228	AIR	Not Specified	to-15 ppbv	
*EW-7-020309	09B03228	AIR	Not Specified	to-15 ug/m3	
*EW-COMBINED-02	09B03229	AIR	Not Specified	to-15 ppbv	
*EW-COMBINED-02	09B03229	AIR	Not Specified	to-15 ug/m3	
*IA-1-020309	09B03218	AIR	Not Specified	to-15 ppbv	
*IA-1-020309	09B03218	AIR	Not Specified	to-15 ug/m3	
*IA-2-020309	09B03219	AIR	Not Specified	to-15 ppbv	
*IA-2-020309	09B03219	AIR	Not Specified	to-15 ug/m3	
*IA-3-020309	09B03220	AIR	Not Specified	to-15 ppbv	
*IA-3-020309	09B03220	AIR	Not Specified	to-15 ug/m3	
*IA-4-020309	09B03221	AIR	Not Specified	to-15 ppbv	
*IA-4-020309	09B03221	AIR	Not Specified	to-15 ug/m3	
*IA-5-020309	09B03222	AIR	Not Specified	to-15 ppbv	
*IA-5-020309	09B03222	AIR	Not Specified	to-15 ug/m3	
*IA-6-020309	09B03223	AIR	Not Specified	to-15 ppbv	
*IA-6-020309	09B03223	AIR	Not Specified	to-15 ug/m3	
*IA-7-020309	09B03224	AIR	Not Specified	to-15 ppbv	
*IA-7-020309	09B03224	AIR	Not Specified	to-15 ug/m3	
*POST CARBON-02	09B03230	AIR	Not Specified	to-15 ppbv	
*POST CARBON-02	09B03230	AIR	Not Specified	to-15 ug/m3	

CHECKED FOR COMPLETENESS
OF PARAMETERS ORDERED BY:



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

REPORT DATE 2/11/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200902144

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23042
JOB NUMBER: 3650080114.11

Comments :

LIMS BATCH NO. : LIMIT-23042

In method TO-15, method blank-129379 associated with samples 09B03218 - 09B03229 contained Acetone at 0.25 ppbv = 0.61 ug/m3.

In method TO-15, method blank-129380 associated with sample 09B03230 contained Acetone at 0.58 ppbv = 1.3 ug/m3, Ethanol at 0.26 ppbv = 0.50 ug/m3 and 2-Butanone(MEK) at 0.13 ppbv = 0.39 ug/m3.

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

For sample 09B03230, linear calibration was not verified for 1,1,1,2-Tetrachloroethane. Value reported is estimated.

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.

Edward Denson 2/11/09

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

SIGNATURE

DATE

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

CHUCK COLLET

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

2/11/2009

Page 1 of 55

Purchase Order No.: 200902144

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23042

Date Received: 2/4/2009

Job Number: 3650080114.11

Field Sample #: AA-1-020309

Sample ID: *09B03225

‡Sampled: 2/3/2009

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		02/06/09	WSD
Benzene	PPBv	0.20	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	0.42	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.44	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.44	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	2.9	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.06	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	0.06	0.05		02/06/09	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

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

2/11/2009
 Page 2 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : AA-1-020309

Sample ID : *09B03225 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.21	0.05		02/06/09	WSD
2-Hexanone	PPBv	0.05	0.05		02/06/09	WSD
Isopropanol	PPBv	0.57	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	0.88	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		02/06/09	WSD
Toluene	PPBv	0.40	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	ND	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.06	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.16	0.10		02/06/09	WSD
o-Xylene	PPBv	0.06	0.05		02/06/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	8.0	0.12		02/06/09	WSD
Benzene	ug/m3	0.62	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	1.2	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

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

2/11/2009
 Page 3 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : AA-1-020309

Sample ID : *09B03225 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	0.90	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.2	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	5.4	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.25	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	0.27	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.75	0.18		02/06/09	WSD
2-Hexanone	ug/m3	0.22	0.20		02/06/09	WSD
Isopropanol	ug/m3	1.4	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	3.1	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 4 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : AA-1-020309

Sample ID : *09B03225

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		02/06/09	WSD
Toluene	ug/m3	1.5	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	ND	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.2	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.53	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.28	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.72	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.27	0.22		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 5 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-5-020309

Sample ID : *09B03226

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	220	1.0		02/07/09	WSD
Benzene	PPBv	4.0	1.0		02/07/09	WSD
Benzyl Chloride	PPBv	ND	1.0		02/07/09	WSD
Bromodichloromethane	PPBv	ND	1.0		02/07/09	WSD
Bromoform	PPBv	ND	1.0		02/07/09	WSD
Bromomethane	PPBv	ND	1.0		02/07/09	WSD
1,3-Butadiene	PPBv	ND	1.0		02/07/09	WSD
2-Butanone (MEK)	PPBv	2.1	1.0		02/07/09	WSD
Carbon Disulfide	PPBv	ND	1.0		02/07/09	WSD
Carbon Tetrachloride	PPBv	ND	1.0		02/07/09	WSD
Chlorobenzene	PPBv	ND	1.0		02/07/09	WSD
Chlorodibromomethane	PPBv	ND	1.0		02/07/09	WSD
Chloroethane	PPBv	99	1.0		02/07/09	WSD
Chloroform	PPBv	17	1.0		02/07/09	WSD
Chloromethane	PPBv	ND	1.0		02/07/09	WSD
Cyclohexane	PPBv	ND	1.0		02/07/09	WSD
1,2-Dibromoethane	PPBv	ND	1.0		02/07/09	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		02/07/09	WSD
1,1-Dichloroethane	PPBv	2600	1.0		02/07/09	WSD
1,2-Dichloroethane	PPBv	ND	1.0		02/07/09	WSD
1,1-Dichloroethylene	PPBv	630	1.0		02/07/09	WSD
cis-1,2-Dichloroethylene	PPBv	740	1.0		02/07/09	WSD
t-1,2-Dichloroethylene	PPBv	6.5	1.0		02/07/09	WSD
1,2-Dichloropropane	PPBv	ND	1.0		02/07/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/07/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/07/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/07/09	WSD
Ethanol	PPBv	170	1.0		02/07/09	WSD
Ethyl Acetate	PPBv	ND	2.0		02/07/09	WSD
Ethylbenzene	PPBv	ND	1.0		02/07/09	WSD
4-Ethyl Toluene	PPBv	ND	1.0		02/07/09	WSD
n-Heptane	PPBv	ND	1.0		02/07/09	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

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

2/11/2009
 Page 6 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : EW-5-020309

Sample ID : *09B03226 ‡Sampled : 2/3/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	2.0		02/07/09	WSD
Hexane	PPBv	1.4	1.0		02/07/09	WSD
2-Hexanone	PPBv	ND	1.0		02/07/09	WSD
Isopropanol	PPBv	78	1.0		02/07/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/07/09	WSD
Methylene Chloride	PPBv	2.3	1.0		02/07/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/07/09	WSD
Propene	PPBv	ND	2.0		02/07/09	WSD
Styrene	PPBv	ND	1.0		02/07/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/07/09	WSD
Tetrachloroethylene	PPBv	31	1.0		02/07/09	WSD
Tetrahydrofuran	PPBv	5.3	1.0		02/07/09	WSD
Toluene	PPBv	3.5	1.0		02/07/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,1,1-Trichloroethane	PPBv	34000	1.0		02/07/09	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		02/07/09	WSD
Trichloroethylene	PPBv	9400	1.0		02/07/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	620	1.0		02/07/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/07/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/07/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/07/09	WSD
Vinyl Acetate	PPBv	ND	4.0		02/07/09	WSD
Vinyl Chloride	PPBv	ND	1.0		02/07/09	WSD
m/p-Xylene	PPBv	ND	2.0		02/07/09	WSD
o-Xylene	PPBv	ND	1.0		02/07/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	530	2.4		02/07/09	WSD
Benzene	ug/m3	13	3.2		02/07/09	WSD
Benzyl Chloride	ug/m3	ND	5.2		02/07/09	WSD
Bromodichloromethane	ug/m3	ND	6.6		02/07/09	WSD
Bromoform	ug/m3	ND	11		02/07/09	WSD
Bromomethane	ug/m3	ND	3.8		02/07/09	WSD
1,3-Butadiene	ug/m3	ND	2.2		02/07/09	WSD
2-Butanone (MEK)	ug/m3	6.3	3.0		02/07/09	WSD
Carbon Disulfide	ug/m3	ND	3.2		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 7 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-5-020309

Sample ID : *09B03226

‡Sampled : 2/3/2009

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		02/07/09	WSD
Chlorobenzene	ug/m3	ND	4.6		02/07/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		02/07/09	WSD
Chloroethane	ug/m3	260	2.6		02/07/09	WSD
Chloroform	ug/m3	83	4.8		02/07/09	WSD
Chloromethane	ug/m3	ND	2.0		02/07/09	WSD
Cyclohexane	ug/m3	ND	3.4		02/07/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		02/07/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		02/07/09	WSD
1,1-Dichloroethane	ug/m3	11000	4.0		02/07/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		02/07/09	WSD
1,1-Dichloroethylene	ug/m3	2500	4.0		02/07/09	WSD
cis-1,2-Dichloroethylene	ug/m3	2900	4.0		02/07/09	WSD
t-1,2-Dichloroethylene	ug/m3	26	4.0		02/07/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		02/07/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/07/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/07/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/07/09	WSD
Ethanol	ug/m3	320	1.8		02/07/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		02/07/09	WSD
Ethylbenzene	ug/m3	ND	4.4		02/07/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		02/07/09	WSD
n-Heptane	ug/m3	ND	4.0		02/07/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		02/07/09	WSD
Hexane	ug/m3	5.0	3.6		02/07/09	WSD
2-Hexanone	ug/m3	ND	4.0		02/07/09	WSD
Isopropanol	ug/m3	190	2.4		02/07/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/07/09	WSD
Methylene Chloride	ug/m3	7.8	3.4		02/07/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/07/09	WSD
Propene	ug/m3	ND	3.5		02/07/09	WSD
Styrene	ug/m3	ND	4.2		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 8 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-5-020309

Sample ID : *09B03226

‡Sampled : 2/3/2009

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		02/07/09	WSD
Tetrachloroethylene	ug/m3	210	6.8		02/07/09	WSD
Tetrahydrofuran	ug/m3	16	3.0		02/07/09	WSD
Toluene	ug/m3	13	3.8		02/07/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/07/09	WSD
1,1,1-Trichloroethane	ug/m3	190000	5.4		02/07/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/07/09	WSD
Trichloroethylene	ug/m3	51000	5.4		02/07/09	WSD
Trichlorofluoromethane	ug/m3	3500	5.6		02/07/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/07/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/07/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/07/09	WSD
Vinyl Acetate	ug/m3	ND	15		02/07/09	WSD
Vinyl Chloride	ug/m3	ND	2.6		02/07/09	WSD
m/p-Xylene	ug/m3	ND	8.6		02/07/09	WSD
o-Xylene	ug/m3	ND	4.4		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 9 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-6-020309

Sample ID : *09B03227

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	240	1.0		02/07/09	WSD
Benzene	PPBv	1.6	1.0		02/07/09	WSD
Benzyl Chloride	PPBv	ND	1.0		02/07/09	WSD
Bromodichloromethane	PPBv	ND	1.0		02/07/09	WSD
Bromoform	PPBv	ND	1.0		02/07/09	WSD
Bromomethane	PPBv	ND	1.0		02/07/09	WSD
1,3-Butadiene	PPBv	ND	1.0		02/07/09	WSD
2-Butanone (MEK)	PPBv	40	1.0		02/07/09	WSD
Carbon Disulfide	PPBv	ND	1.0		02/07/09	WSD
Carbon Tetrachloride	PPBv	ND	1.0		02/07/09	WSD
Chlorobenzene	PPBv	ND	1.0		02/07/09	WSD
Chlorodibromomethane	PPBv	ND	1.0		02/07/09	WSD
Chloroethane	PPBv	52	1.0		02/07/09	WSD
Chloroform	PPBv	8.6	1.0		02/07/09	WSD
Chloromethane	PPBv	ND	1.0		02/07/09	WSD
Cyclohexane	PPBv	ND	1.0		02/07/09	WSD
1,2-Dibromoethane	PPBv	ND	1.0		02/07/09	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		02/07/09	WSD
1,1-Dichloroethane	PPBv	1300	1.0		02/07/09	WSD
1,2-Dichloroethane	PPBv	ND	1.0		02/07/09	WSD
1,1-Dichloroethylene	PPBv	210	1.0		02/07/09	WSD
cis-1,2-Dichloroethylene	PPBv	180	1.0		02/07/09	WSD
t-1,2-Dichloroethylene	PPBv	3.1	1.0		02/07/09	WSD
1,2-Dichloropropane	PPBv	ND	1.0		02/07/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/07/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/07/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/07/09	WSD
Ethanol	PPBv	190	1.0		02/07/09	WSD
Ethyl Acetate	PPBv	ND	2.0		02/07/09	WSD
Ethylbenzene	PPBv	ND	1.0		02/07/09	WSD
4-Ethyl Toluene	PPBv	ND	1.0		02/07/09	WSD
n-Heptane	PPBv	ND	1.0		02/07/09	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

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

2/11/2009
 Page 10 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : EW-6-020309

Sample ID : *09B03227 ‡Sampled : 2/3/2009
 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		02/07/09	WSD
Hexane	PPBv	ND	1.0		02/07/09	WSD
2-Hexanone	PPBv	ND	1.0		02/07/09	WSD
Isopropanol	PPBv	87	1.0		02/07/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/07/09	WSD
Methylene Chloride	PPBv	ND	2.0		02/07/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/07/09	WSD
Propene	PPBv	ND	2.0		02/07/09	WSD
Styrene	PPBv	ND	1.0		02/07/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/07/09	WSD
Tetrachloroethylene	PPBv	49	1.0		02/07/09	WSD
Tetrahydrofuran	PPBv	26	1.0		02/07/09	WSD
Toluene	PPBv	3.3	1.0		02/07/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,1,1-Trichloroethane	PPBv	13000	1.0		02/07/09	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		02/07/09	WSD
Trichloroethylene	PPBv	2200	1.0		02/07/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	400	1.0		02/07/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/07/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/07/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/07/09	WSD
Vinyl Acetate	PPBv	ND	4.0		02/07/09	WSD
Vinyl Chloride	PPBv	ND	1.0		02/07/09	WSD
m/p-Xylene	PPBv	ND	2.0		02/07/09	WSD
o-Xylene	PPBv	ND	1.0		02/07/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	580	2.4		02/07/09	WSD
Benzene	ug/m3	5.2	3.2		02/07/09	WSD
Benzyl Chloride	ug/m3	ND	5.2		02/07/09	WSD
Bromodichloromethane	ug/m3	ND	6.6		02/07/09	WSD
Bromoform	ug/m3	ND	11		02/07/09	WSD
Bromomethane	ug/m3	ND	3.8		02/07/09	WSD
1,3-Butadiene	ug/m3	ND	2.2		02/07/09	WSD
2-Butanone (MEK)	ug/m3	120	3.0		02/07/09	WSD
Carbon Disulfide	ug/m3	ND	3.2		02/07/09	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

CHUCK COLLET

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

2/11/2009

Page 11 of 55

Purchase Order No.: 200902144

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23042

Date Received: 2/4/2009

Job Number: 3650080114.11

Field Sample #: EW-6-020309

Sample ID: *09B03227

‡Sampled: 2/3/2009

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		02/07/09	WSD
Chlorobenzene	ug/m3	ND	4.6		02/07/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		02/07/09	WSD
Chloroethane	ug/m3	140	2.6		02/07/09	WSD
Chloroform	ug/m3	42	4.8		02/07/09	WSD
Chloromethane	ug/m3	ND	2.0		02/07/09	WSD
Cyclohexane	ug/m3	ND	3.4		02/07/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		02/07/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		02/07/09	WSD
1,1-Dichloroethane	ug/m3	5200	4.0		02/07/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		02/07/09	WSD
1,1-Dichloroethylene	ug/m3	850	4.0		02/07/09	WSD
cis-1,2-Dichloroethylene	ug/m3	700	4.0		02/07/09	WSD
t-1,2-Dichloroethylene	ug/m3	12	4.0		02/07/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		02/07/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/07/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/07/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/07/09	WSD
Ethanol	ug/m3	360	1.8		02/07/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		02/07/09	WSD
Ethylbenzene	ug/m3	ND	4.4		02/07/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		02/07/09	WSD
n-Heptane	ug/m3	ND	4.0		02/07/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		02/07/09	WSD
Hexane	ug/m3	ND	3.6		02/07/09	WSD
2-Hexanone	ug/m3	ND	4.0		02/07/09	WSD
Isopropanol	ug/m3	210	2.4		02/07/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/07/09	WSD
Methylene Chloride	ug/m3	ND	7.0		02/07/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/07/09	WSD
Propene	ug/m3	ND	3.5		02/07/09	WSD
Styrene	ug/m3	ND	4.2		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 12 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-6-020309

Sample ID : *09B03227

‡Sampled : 2/3/2009

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		02/07/09	WSD
Tetrachloroethylene	ug/m3	330	6.8		02/07/09	WSD
Tetrahydrofuran	ug/m3	75	3.0		02/07/09	WSD
Toluene	ug/m3	12	3.8		02/07/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/07/09	WSD
1,1,1-Trichloroethane	ug/m3	69000	5.4		02/07/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/07/09	WSD
Trichloroethylene	ug/m3	12000	5.4		02/07/09	WSD
Trichlorofluoromethane	ug/m3	2300	5.6		02/07/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/07/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/07/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/07/09	WSD
Vinyl Acetate	ug/m3	ND	15		02/07/09	WSD
Vinyl Chloride	ug/m3	ND	2.6		02/07/09	WSD
m/p-Xylene	ug/m3	ND	8.6		02/07/09	WSD
o-Xylene	ug/m3	ND	4.4		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 13 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-7-020309

Sample ID : *09B03228

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	250	1.0		02/07/09	WSD
Benzene	PPBv	ND	1.0		02/07/09	WSD
Benzyl Chloride	PPBv	ND	1.0		02/07/09	WSD
Bromodichloromethane	PPBv	ND	1.0		02/07/09	WSD
Bromoform	PPBv	ND	1.0		02/07/09	WSD
Bromomethane	PPBv	ND	1.0		02/07/09	WSD
1,3-Butadiene	PPBv	ND	1.0		02/07/09	WSD
2-Butanone (MEK)	PPBv	3.0	1.0		02/07/09	WSD
Carbon Disulfide	PPBv	1.8	1.0		02/07/09	WSD
Carbon Tetrachloride	PPBv	ND	1.0		02/07/09	WSD
Chlorobenzene	PPBv	ND	1.0		02/07/09	WSD
Chlorodibromomethane	PPBv	ND	1.0		02/07/09	WSD
Chloroethane	PPBv	64	1.0		02/07/09	WSD
Chloroform	PPBv	ND	1.0		02/07/09	WSD
Chloromethane	PPBv	ND	1.0		02/07/09	WSD
Cyclohexane	PPBv	ND	1.0		02/07/09	WSD
1,2-Dibromoethane	PPBv	ND	1.0		02/07/09	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		02/07/09	WSD
1,1-Dichloroethane	PPBv	430	1.0		02/07/09	WSD
1,2-Dichloroethane	PPBv	ND	1.0		02/07/09	WSD
1,1-Dichloroethylene	PPBv	3.6	1.0		02/07/09	WSD
cis-1,2-Dichloroethylene	PPBv	270	1.0		02/07/09	WSD
t-1,2-Dichloroethylene	PPBv	38	1.0		02/07/09	WSD
1,2-Dichloropropane	PPBv	ND	1.0		02/07/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/07/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/07/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/07/09	WSD
Ethanol	PPBv	190	1.0		02/07/09	WSD
Ethyl Acetate	PPBv	ND	2.0		02/07/09	WSD
Ethylbenzene	PPBv	ND	1.0		02/07/09	WSD
4-Ethyl Toluene	PPBv	ND	1.0		02/07/09	WSD
n-Heptane	PPBv	ND	1.0		02/07/09	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

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

2/11/2009
 Page 14 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : EW-7-020309

Sample ID : *09B03228 ‡Sampled : 2/3/2009
 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		02/07/09	WSD
Hexane	PPBv	2.9	1.0		02/07/09	WSD
2-Hexanone	PPBv	ND	1.0		02/07/09	WSD
Isopropanol	PPBv	85	1.0		02/07/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/07/09	WSD
Methylene Chloride	PPBv	2.7	1.0		02/07/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/07/09	WSD
Propene	PPBv	ND	2.0		02/07/09	WSD
Styrene	PPBv	ND	1.0		02/07/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/07/09	WSD
Tetrachloroethylene	PPBv	9.7	1.0		02/07/09	WSD
Tetrahydrofuran	PPBv	14	1.0		02/07/09	WSD
Toluene	PPBv	3.7	1.0		02/07/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/07/09	WSD
1,1,1-Trichloroethane	PPBv	1000	1.0		02/07/09	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		02/07/09	WSD
Trichloroethylene	PPBv	42	1.0		02/07/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	320	1.0		02/07/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/07/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/07/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/07/09	WSD
Vinyl Acetate	PPBv	ND	4.0		02/07/09	WSD
Vinyl Chloride	PPBv	110	1.0		02/07/09	WSD
m/p-Xylene	PPBv	ND	2.0		02/07/09	WSD
o-Xylene	PPBv	ND	1.0		02/07/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	580	2.4		02/07/09	WSD
Benzene	ug/m3	ND	3.2		02/07/09	WSD
Benzyl Chloride	ug/m3	ND	5.2		02/07/09	WSD
Bromodichloromethane	ug/m3	ND	6.6		02/07/09	WSD
Bromoform	ug/m3	ND	11		02/07/09	WSD
Bromomethane	ug/m3	ND	3.8		02/07/09	WSD
1,3-Butadiene	ug/m3	ND	2.2		02/07/09	WSD
2-Butanone (MEK)	ug/m3	8.7	3.0		02/07/09	WSD
Carbon Disulfide	ug/m3	5.7	3.2		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 15 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-7-020309

Sample ID : *09B03228

‡Sampled : 2/3/2009

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		02/07/09	WSD
Chlorobenzene	ug/m3	ND	4.6		02/07/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		02/07/09	WSD
Chloroethane	ug/m3	170	2.6		02/07/09	WSD
Chloroform	ug/m3	ND	4.8		02/07/09	WSD
Chloromethane	ug/m3	ND	2.0		02/07/09	WSD
Cyclohexane	ug/m3	ND	3.4		02/07/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		02/07/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/07/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		02/07/09	WSD
1,1-Dichloroethane	ug/m3	1700	4.0		02/07/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		02/07/09	WSD
1,1-Dichloroethylene	ug/m3	14	4.0		02/07/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1100	4.0		02/07/09	WSD
t-1,2-Dichloroethylene	ug/m3	150	4.0		02/07/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		02/07/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/07/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/07/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/07/09	WSD
Ethanol	ug/m3	350	1.8		02/07/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		02/07/09	WSD
Ethylbenzene	ug/m3	ND	4.4		02/07/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		02/07/09	WSD
n-Heptane	ug/m3	ND	4.0		02/07/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		02/07/09	WSD
Hexane	ug/m3	10	3.6		02/07/09	WSD
2-Hexanone	ug/m3	ND	4.0		02/07/09	WSD
Isopropanol	ug/m3	210	2.4		02/07/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/07/09	WSD
Methylene Chloride	ug/m3	9.3	3.4		02/07/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/07/09	WSD
Propene	ug/m3	ND	3.5		02/07/09	WSD
Styrene	ug/m3	ND	4.2		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 16 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-7-020309

Sample ID : *09B03228

‡Sampled : 2/3/2009

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		02/07/09	WSD
Tetrachloroethylene	ug/m3	66	6.8		02/07/09	WSD
Tetrahydrofuran	ug/m3	41	3.0		02/07/09	WSD
Toluene	ug/m3	14	3.8		02/07/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/07/09	WSD
1,1,1-Trichloroethane	ug/m3	5600	5.4		02/07/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/07/09	WSD
Trichloroethylene	ug/m3	230	5.4		02/07/09	WSD
Trichlorofluoromethane	ug/m3	1800	5.6		02/07/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/07/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/07/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/07/09	WSD
Vinyl Acetate	ug/m3	ND	15		02/07/09	WSD
Vinyl Chloride	ug/m3	280	2.6		02/07/09	WSD
m/p-Xylene	ug/m3	ND	8.6		02/07/09	WSD
o-Xylene	ug/m3	ND	4.4		02/07/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 17 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-020309

Sample ID : *09B03229

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	670	1.0		02/06/09	WSD
Benzene	PPBv	4.4	1.0		02/06/09	WSD
Benzyl Chloride	PPBv	ND	1.0		02/06/09	WSD
Bromodichloromethane	PPBv	ND	1.0		02/06/09	WSD
Bromoform	PPBv	ND	1.0		02/06/09	WSD
Bromomethane	PPBv	ND	1.0		02/06/09	WSD
1,3-Butadiene	PPBv	ND	1.0		02/06/09	WSD
2-Butanone (MEK)	PPBv	13	1.0		02/06/09	WSD
Carbon Disulfide	PPBv	1.0	1.0		02/06/09	WSD
Carbon Tetrachloride	PPBv	ND	1.0		02/06/09	WSD
Chlorobenzene	PPBv	ND	1.0		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	1.0		02/06/09	WSD
Chloroethane	PPBv	1300	1.0		02/06/09	WSD
Chloroform	PPBv	5.5	1.0		02/06/09	WSD
Chloromethane	PPBv	ND	1.0		02/06/09	WSD
Cyclohexane	PPBv	ND	1.0		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	1.0		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		02/06/09	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		02/06/09	WSD
1,1-Dichloroethane	PPBv	4800	1.0		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	1.0		02/06/09	WSD
1,1-Dichloroethylene	PPBv	2000	1.0		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	3500	1.0		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	28	1.0		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	1.0		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/06/09	WSD
Ethanol	PPBv	510	1.0		02/06/09	WSD
Ethyl Acetate	PPBv	ND	2.0		02/06/09	WSD
Ethylbenzene	PPBv	2.2	1.0		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	1.0		02/06/09	WSD
n-Heptane	PPBv	ND	1.0		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 18 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-020309

Sample ID : *09B03229

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	2.0		02/06/09	WSD
Hexane	PPBv	4.5	1.0		02/06/09	WSD
2-Hexanone	PPBv	ND	1.0		02/06/09	WSD
Isopropanol	PPBv	250	1.0		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/06/09	WSD
Methylene Chloride	PPBv	3.4	1.0		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/06/09	WSD
Propene	PPBv	ND	2.0		02/06/09	WSD
Styrene	PPBv	ND	1.0		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/06/09	WSD
Tetrachloroethylene	PPBv	21	1.0		02/06/09	WSD
Tetrahydrofuran	PPBv	26	1.0		02/06/09	WSD
Toluene	PPBv	9.5	1.0		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	35000	1.0		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		02/06/09	WSD
Trichloroethylene	PPBv	6800	1.0		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	1800	1.0		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/06/09	WSD
Vinyl Acetate	PPBv	ND	4.0		02/06/09	WSD
Vinyl Chloride	PPBv	44	1.0		02/06/09	WSD
m/p-Xylene	PPBv	5.7	2.0		02/06/09	WSD
o-Xylene	PPBv	1.9	1.0		02/06/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	1600	2.4		02/06/09	WSD
Benzene	ug/m3	14	3.2		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	5.2		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	6.6		02/06/09	WSD
Bromoform	ug/m3	ND	11		02/06/09	WSD
Bromomethane	ug/m3	ND	3.8		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	2.2		02/06/09	WSD
2-Butanone (MEK)	ug/m3	37	3.0		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	3.2		02/06/09	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

CHUCK COLLET

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

2/11/2009

Page 19 of 55

Purchase Order No.: 200902144

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23042

Date Received: 2/4/2009

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-020309

Sample ID : *09B03229

‡Sampled : 2/3/2009

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		02/06/09	WSD
Chlorobenzene	ug/m3	ND	4.6		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		02/06/09	WSD
Chloroethane	ug/m3	3400	2.6		02/06/09	WSD
Chloroform	ug/m3	27	4.8		02/06/09	WSD
Chloromethane	ug/m3	ND	2.0		02/06/09	WSD
Cyclohexane	ug/m3	ND	3.4		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		02/06/09	WSD
1,1-Dichloroethane	ug/m3	19000	4.0		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	7800	4.0		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	14000	4.0		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	110	4.0		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/06/09	WSD
Ethanol	ug/m3	960	1.8		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		02/06/09	WSD
Ethylbenzene	ug/m3	9.4	4.4		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		02/06/09	WSD
n-Heptane	ug/m3	ND	4.0		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		02/06/09	WSD
Hexane	ug/m3	16	3.6		02/06/09	WSD
2-Hexanone	ug/m3	ND	4.0		02/06/09	WSD
Isopropanol	ug/m3	610	2.4		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/06/09	WSD
Methylene Chloride	ug/m3	12	3.4		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/06/09	WSD
Propene	ug/m3	ND	3.5		02/06/09	WSD
Styrene	ug/m3	ND	4.2		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 20 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-020309

Sample ID : *09B03229

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	140	6.8		02/06/09	WSD
Tetrahydrofuran	ug/m3	77	3.0		02/06/09	WSD
Toluene	ug/m3	36	3.8		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	190000	5.4		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/06/09	WSD
Trichloroethylene	ug/m3	36000	5.4		02/06/09	WSD
Trichlorofluoromethane	ug/m3	9900	5.6		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	15		02/06/09	WSD
Vinyl Chloride	ug/m3	110	2.6		02/06/09	WSD
m/p-Xylene	ug/m3	25	8.6		02/06/09	WSD
o-Xylene	ug/m3	8.4	4.4		02/06/09	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

CHUCK COLLET

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

2/11/2009

Page 21 of 55

Purchase Order No.: 200902144

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23042

Date Received: 2/4/2009

Job Number: 3650080114.11

Field Sample # : IA-1-020309

Sample ID : *09B03218

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.2	0.05		02/06/09	WSD
Benzene	PPBv	0.21	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	1.1	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.50	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.43	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	4.4	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.06	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	ND	0.05		02/06/09	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

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

2/11/2009
 Page 22 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-1-020309

Sample ID : *09B03218 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.21	0.05		02/06/09	WSD
2-Hexanone	PPBv	ND	0.05		02/06/09	WSD
Isopropanol	PPBv	1.3	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	9.5	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	0.08	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	0.39	0.05		02/06/09	WSD
Toluene	PPBv	0.36	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	0.10	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	0.08	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.20	0.10		02/06/09	WSD
o-Xylene	PPBv	0.08	0.05		02/06/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	7.7	0.12		02/06/09	WSD
Benzene	ug/m3	0.68	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	3.1	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

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

2/11/2009
 Page 23 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-1-020309

Sample ID : *09B03218 ‡Sampled : 2/3/2009
 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	0.41	0.31		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	1.0	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	8.3	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.28	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	ND	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.74	0.18		02/06/09	WSD
2-Hexanone	ug/m3	ND	0.20		02/06/09	WSD
Isopropanol	ug/m3	3.1	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	33	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 24 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-1-020309

Sample ID : *09B03218

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	0.57	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	1.2	0.15		02/06/09	WSD
Toluene	ug/m3	1.4	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	0.56	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	0.46	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.4	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.36	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.87	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.33	0.22		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 25 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-2-020309

Sample ID : *09B03219

‡Sampled : 2/3/2009

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		02/06/09	WSD
Benzene	PPBv	0.21	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	1.4	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.50	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.44	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.06	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	4.7	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.06	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	ND	0.05		02/06/09	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

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

2/11/2009
 Page 26 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-2-020309

Sample ID : *09B03219 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.16	0.05		02/06/09	WSD
2-Hexanone	PPBv	ND	0.05		02/06/09	WSD
Isopropanol	PPBv	1.2	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	8.6	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	0.09	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	0.40	0.05		02/06/09	WSD
Toluene	PPBv	0.35	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	0.12	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	0.10	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.08	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.20	0.10		02/06/09	WSD
o-Xylene	PPBv	0.08	0.05		02/06/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	9.6	0.12		02/06/09	WSD
Benzene	ug/m3	0.67	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	4.1	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 27 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-2-020309

Sample ID : *09B03219

‡Sampled : 2/3/2009

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	0.41	0.31		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	1.0	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.2	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.24	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	8.8	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.28	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	ND	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.57	0.18		02/06/09	WSD
2-Hexanone	ug/m3	ND	0.20		02/06/09	WSD
Isopropanol	ug/m3	3.1	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	30	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 28 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-2-020309

Sample ID : *09B03219

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	0.64	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	1.2	0.15		02/06/09	WSD
Toluene	ug/m3	1.3	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	0.63	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	0.56	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.2	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.58	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.37	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.88	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.34	0.22		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 29 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-3-020309

Sample ID : *09B03220

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.9	0.05		02/06/09	WSD
Benzene	PPBv	0.22	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	1.4	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.48	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.46	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	4.9	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.07	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	ND	0.05		02/06/09	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

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

2/11/2009
 Page 30 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-3-020309

Sample ID : *09B03220 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.25	0.05		02/06/09	WSD
2-Hexanone	PPBv	0.06	0.05		02/06/09	WSD
Isopropanol	PPBv	1.7	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	8.9	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	0.08	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	0.38	0.05		02/06/09	WSD
Toluene	PPBv	0.39	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	0.10	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	0.09	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.21	0.10		02/06/09	WSD
o-Xylene	PPBv	0.08	0.05		02/06/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	12	0.12		02/06/09	WSD
Benzene	ug/m3	0.71	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	4.2	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

CHUCK COLLET

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

2/11/2009

Page 31 of 55

Purchase Order No.: 200902144

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23042

Date Received: 2/4/2009

Job Number: 3650080114.11

Field Sample # : IA-3-020309

Sample ID : *09B03220

‡Sampled : 2/3/2009

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	0.45	0.31		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	0.98	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.3	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	9.2	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.29	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	ND	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.87	0.18		02/06/09	WSD
2-Hexanone	ug/m3	0.26	0.20		02/06/09	WSD
Isopropanol	ug/m3	4.1	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	31	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 32 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-3-020309

Sample ID : *09B03220

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	0.56	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	1.1	0.15		02/06/09	WSD
Toluene	ug/m3	1.5	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	0.57	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	0.49	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.58	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.36	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.90	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.33	0.22		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 33 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-4-020309

Sample ID : *09B03221

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.4	0.05		02/06/09	WSD
Benzene	PPBv	0.21	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	1.5	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.48	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.45	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	4.7	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.07	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	ND	0.05		02/06/09	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

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

2/11/2009
 Page 34 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-4-020309

Sample ID : *09B03221 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.19	0.05		02/06/09	WSD
2-Hexanone	PPBv	0.08	0.05		02/06/09	WSD
Isopropanol	PPBv	1.3	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	8.5	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	0.08	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	0.40	0.05		02/06/09	WSD
Toluene	PPBv	0.36	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	0.11	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	0.09	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.08	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.20	0.10		02/06/09	WSD
o-Xylene	PPBv	0.08	0.05		02/06/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	10	0.12		02/06/09	WSD
Benzene	ug/m3	0.68	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	4.4	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 35 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-4-020309

Sample ID : *09B03221

‡Sampled : 2/3/2009

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		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	0.99	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.2	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	8.9	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.29	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	ND	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.66	0.18		02/06/09	WSD
2-Hexanone	ug/m3	0.33	0.20		02/06/09	WSD
Isopropanol	ug/m3	3.3	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	29	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 36 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-4-020309

Sample ID : *09B03221

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	0.58	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	1.2	0.15		02/06/09	WSD
Toluene	ug/m3	1.3	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	0.62	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	0.48	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.59	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.37	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.89	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.33	0.22		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 37 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-5-020309

Sample ID : *09B03222

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.7	0.05		02/06/09	WSD
Benzene	PPBv	0.19	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	0.80	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.50	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.45	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	6.6	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.06	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	ND	0.05		02/06/09	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

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

2/11/2009
 Page 38 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-5-020309

Sample ID : *09B03222 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.15	0.05		02/06/09	WSD
2-Hexanone	PPBv	0.12	0.05		02/06/09	WSD
Isopropanol	PPBv	1.4	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	1.0	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		02/06/09	WSD
Toluene	PPBv	0.30	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	0.17	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	0.07	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.17	0.10		02/06/09	WSD
o-Xylene	PPBv	0.06	0.05		02/06/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	11	0.12		02/06/09	WSD
Benzene	ug/m3	0.60	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	2.4	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 39 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-5-020309

Sample ID : *09B03222

‡Sampled : 2/3/2009

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		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	1.0	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.2	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	12	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.25	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	ND	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.54	0.18		02/06/09	WSD
2-Hexanone	ug/m3	0.48	0.20		02/06/09	WSD
Isopropanol	ug/m3	3.5	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	3.6	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 40 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-5-020309

Sample ID : *09B03222

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		02/06/09	WSD
Toluene	ug/m3	1.1	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	0.92	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	0.39	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.54	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.32	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.74	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.27	0.22		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 41 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-6-020309

Sample ID : *09B03223

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.0	0.05		02/06/09	WSD
Benzene	PPBv	0.19	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	3.5	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.44	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.43	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	12	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.06	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	ND	0.05		02/06/09	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

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

2/11/2009
 Page 42 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-6-020309

Sample ID : *09B03223 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.22	0.05		02/06/09	WSD
2-Hexanone	PPBv	0.10	0.05		02/06/09	WSD
Isopropanol	PPBv	2.7	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	1.5	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	0.94	0.05		02/06/09	WSD
Toluene	PPBv	0.35	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	0.72	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	0.32	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.06	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.17	0.10		02/06/09	WSD
o-Xylene	PPBv	0.06	0.05		02/06/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	14	0.12		02/06/09	WSD
Benzene	ug/m3	0.60	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	10	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

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

2/11/2009
 Page 43 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-6-020309

Sample ID : *09B03223 ‡Sampled : 2/3/2009
 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	0.42	0.31		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	0.90	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	23	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.25	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	ND	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.78	0.18		02/06/09	WSD
2-Hexanone	ug/m3	0.42	0.20		02/06/09	WSD
Isopropanol	ug/m3	6.6	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	5.2	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 44 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-6-020309

Sample ID : *09B03223

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	2.8	0.15		02/06/09	WSD
Toluene	ug/m3	1.3	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	3.9	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	1.7	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.51	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.32	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.72	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.26	0.22		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 45 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-7-020309

Sample ID : *09B03224

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.0	0.05		02/06/09	WSD
Benzene	PPBv	0.23	0.05		02/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/06/09	WSD
Bromoform	PPBv	ND	0.05		02/06/09	WSD
Bromomethane	PPBv	ND	0.05		02/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/06/09	WSD
2-Butanone (MEK)	PPBv	2.2	0.05		02/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/06/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		02/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/06/09	WSD
Chloroethane	PPBv	ND	0.05		02/06/09	WSD
Chloroform	PPBv	ND	0.05		02/06/09	WSD
Chloromethane	PPBv	0.48	0.05		02/06/09	WSD
Cyclohexane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
Dichlorodifluoromethane	PPBv	0.44	0.05		02/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/06/09	WSD
Ethanol	PPBv	8.4	0.05		02/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/06/09	WSD
Ethylbenzene	PPBv	0.07	0.05		02/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		02/06/09	WSD
n-Heptane	PPBv	ND	0.05		02/06/09	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

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

2/11/2009
 Page 46 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Field Sample # : IA-7-020309

Sample ID : *09B03224 ‡Sampled : 2/3/2009
 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		02/06/09	WSD
Hexane	PPBv	0.25	0.05		02/06/09	WSD
2-Hexanone	PPBv	0.07	0.05		02/06/09	WSD
Isopropanol	PPBv	2.5	0.05		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/06/09	WSD
Methylene Chloride	PPBv	1.6	0.05		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/06/09	WSD
Propene	PPBv	ND	0.10		02/06/09	WSD
Styrene	PPBv	ND	0.05		02/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/06/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		02/06/09	WSD
Tetrahydrofuran	PPBv	0.70	0.05		02/06/09	WSD
Toluene	PPBv	0.43	0.05		02/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/06/09	WSD
1,1,1-Trichloroethane	PPBv	0.44	0.05		02/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/06/09	WSD
Trichloroethylene	PPBv	0.20	0.05		02/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.25	0.05		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		02/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		02/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/06/09	WSD
m/p-Xylene	PPBv	0.19	0.10		02/06/09	WSD
o-Xylene	PPBv	0.07	0.05		02/06/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	12	0.12		02/06/09	WSD
Benzene	ug/m3	0.75	0.16		02/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/06/09	WSD
Bromoform	ug/m3	ND	0.51		02/06/09	WSD
Bromomethane	ug/m3	ND	0.19		02/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/06/09	WSD
2-Butanone (MEK)	ug/m3	6.5	0.15		02/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 47 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample #: IA-7-020309

Sample ID: *09B03224

‡Sampled: 2/3/2009

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		02/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/06/09	WSD
Chloroethane	ug/m3	ND	0.13		02/06/09	WSD
Chloroform	ug/m3	ND	0.24		02/06/09	WSD
Chloromethane	ug/m3	0.98	0.10		02/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		02/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.2	0.25		02/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/06/09	WSD
Ethanol	ug/m3	16	0.09		02/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/06/09	WSD
Ethylbenzene	ug/m3	0.29	0.22		02/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		02/06/09	WSD
n-Heptane	ug/m3	ND	0.20		02/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/06/09	WSD
Hexane	ug/m3	0.87	0.18		02/06/09	WSD
2-Hexanone	ug/m3	0.29	0.20		02/06/09	WSD
Isopropanol	ug/m3	6.2	0.12		02/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/06/09	WSD
Methylene Chloride	ug/m3	5.7	0.17		02/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/06/09	WSD
Propene	ug/m3	ND	0.18		02/06/09	WSD
Styrene	ug/m3	ND	0.21		02/06/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 48 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : IA-7-020309

Sample ID : *09B03224

‡Sampled : 2/3/2009

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		02/06/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		02/06/09	WSD
Tetrahydrofuran	ug/m3	2.1	0.15		02/06/09	WSD
Toluene	ug/m3	1.6	0.19		02/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/06/09	WSD
1,1,1-Trichloroethane	ug/m3	2.4	0.27		02/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/06/09	WSD
Trichloroethylene	ug/m3	1.1	0.27		02/06/09	WSD
Trichlorofluoromethane	ug/m3	1.4	0.28		02/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.57	0.38		02/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.34	0.25		02/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/06/09	WSD
m/p-Xylene	ug/m3	0.82	0.43		02/06/09	WSD
o-Xylene	ug/m3	0.31	0.22		02/06/09	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

CHUCK COLLET

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

2/11/2009

Page 49 of 55

Purchase Order No.: 200902144

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23042

Date Received: 2/4/2009

Job Number: 3650080114.11

Field Sample # : POST CARBON-020309

Sample ID : *09B03230

‡Sampled : 2/3/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	500	0.05		02/09/09	WSD
Benzene	PPBv	0.42	0.05		02/09/09	WSD
Benzyl Chloride	PPBv	ND	0.05		02/09/09	WSD
Bromodichloromethane	PPBv	ND	0.05		02/09/09	WSD
Bromoform	PPBv	ND	0.05		02/09/09	WSD
Bromomethane	PPBv	ND	0.05		02/09/09	WSD
1,3-Butadiene	PPBv	ND	0.05		02/09/09	WSD
2-Butanone (MEK)	PPBv	3.4	0.05		02/09/09	WSD
Carbon Disulfide	PPBv	ND	0.05		02/09/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		02/09/09	WSD
Chlorobenzene	PPBv	ND	0.05		02/09/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		02/09/09	WSD
Chloroethane	PPBv	ND	0.05		02/09/09	WSD
Chloroform	PPBv	ND	0.05		02/09/09	WSD
Chloromethane	PPBv	0.29	0.05		02/09/09	WSD
Cyclohexane	PPBv	0.27	0.05		02/09/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		02/09/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		02/09/09	WSD
1,3-Dichlorobenzene	PPBv	0.48	0.05		02/09/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		02/09/09	WSD
Dichlorodifluoromethane	PPBv	0.15	0.05		02/09/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		02/09/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		02/09/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		02/09/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.07	0.05		02/09/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/09/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		02/09/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/09/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/09/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/09/09	WSD
Ethanol	PPBv	390	0.05		02/09/09	WSD
Ethyl Acetate	PPBv	ND	0.10		02/09/09	WSD
Ethylbenzene	PPBv	2.3	0.05		02/09/09	WSD
4-Ethyl Toluene	PPBv	0.43	0.05		02/09/09	WSD
n-Heptane	PPBv	0.44	0.05		02/09/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 50 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : POST CARBON-020309

Sample ID : *09B03230

‡Sampled : 2/3/2009

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		02/09/09	WSD
Hexane	PPBv	0.84	0.05		02/09/09	WSD
2-Hexanone	PPBv	ND	0.05		02/09/09	WSD
Isopropanol	PPBv	180	0.05		02/09/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/09/09	WSD
Methylene Chloride	PPBv	5.7	0.05		02/09/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	1.2	0.05		02/09/09	WSD
Propene	PPBv	ND	0.10		02/09/09	WSD
Styrene	PPBv	0.79	0.05		02/09/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/09/09	WSD
Tetrachloroethylene	PPBv	0.11	0.05		02/09/09	WSD
Tetrahydrofuran	PPBv	2.3	0.05		02/09/09	WSD
Toluene	PPBv	7.6	0.05		02/09/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/09/09	WSD
1,1,1-Trichloroethane	PPBv	0.19	0.05		02/09/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		02/09/09	WSD
Trichloroethylene	PPBv	0.37	0.05		02/09/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.13	0.05		02/09/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.17	0.05		02/09/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		02/09/09	WSD
1,3,5-Trimethylbenzene	PPBv	0.42	0.05		02/09/09	WSD
Vinyl Acetate	PPBv	ND	0.20		02/09/09	WSD
Vinyl Chloride	PPBv	ND	0.05		02/09/09	WSD
m/p-Xylene	PPBv	6.1	0.10		02/09/09	WSD
o-Xylene	PPBv	2.2	0.05		02/09/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	1200	0.12		02/09/09	WSD
Benzene	ug/m3	1.3	0.16		02/09/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		02/09/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		02/09/09	WSD
Bromoform	ug/m3	ND	0.51		02/09/09	WSD
Bromomethane	ug/m3	ND	0.19		02/09/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		02/09/09	WSD
2-Butanone (MEK)	ug/m3	10	0.15		02/09/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		02/09/09	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

CHUCK COLLET

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

2/11/2009

Page 51 of 55

Purchase Order No.: 200902144

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23042

Date Received: 2/4/2009

Job Number: 3650080114.11

Field Sample # : POST CARBON-020309

Sample ID : *09B03230

‡Sampled : 2/3/2009

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	0.38	0.31		02/09/09	WSD
Chlorobenzene	ug/m3	ND	0.23		02/09/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		02/09/09	WSD
Chloroethane	ug/m3	ND	0.13		02/09/09	WSD
Chloroform	ug/m3	ND	0.24		02/09/09	WSD
Chloromethane	ug/m3	0.59	0.10		02/09/09	WSD
Cyclohexane	ug/m3	0.93	0.17		02/09/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		02/09/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/09/09	WSD
1,3-Dichlorobenzene	ug/m3	2.9	0.30		02/09/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/09/09	WSD
Dichlorodifluoromethane	ug/m3	0.76	0.25		02/09/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		02/09/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		02/09/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		02/09/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.27	0.20		02/09/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/09/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		02/09/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/09/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/09/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/09/09	WSD
Ethanol	ug/m3	740	0.09		02/09/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		02/09/09	WSD
Ethylbenzene	ug/m3	10	0.22		02/09/09	WSD
4-Ethyl Toluene	ug/m3	2.1	0.25		02/09/09	WSD
n-Heptane	ug/m3	1.8	0.20		02/09/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		02/09/09	WSD
Hexane	ug/m3	3.0	0.18		02/09/09	WSD
2-Hexanone	ug/m3	ND	0.20		02/09/09	WSD
Isopropanol	ug/m3	450	0.12		02/09/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/09/09	WSD
Methylene Chloride	ug/m3	20	0.17		02/09/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	5.0	0.20		02/09/09	WSD
Propene	ug/m3	ND	0.18		02/09/09	WSD
Styrene	ug/m3	3.4	0.21		02/09/09	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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

Page 52 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23042

Job Number: 3650080114.11

Field Sample # : POST CARBON-020309

Sample ID : *09B03230

‡Sampled : 2/3/2009

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		02/09/09	WSD
Tetrachloroethylene	ug/m3	0.72	0.34		02/09/09	WSD
Tetrahydrofuran	ug/m3	6.8	0.15		02/09/09	WSD
Toluene	ug/m3	29	0.19		02/09/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/09/09	WSD
1,1,1-Trichloroethane	ug/m3	1.0	0.27		02/09/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/09/09	WSD
Trichloroethylene	ug/m3	2.0	0.27		02/09/09	WSD
Trichlorofluoromethane	ug/m3	0.71	0.28		02/09/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	1.3	0.38		02/09/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		02/09/09	WSD
1,3,5-Trimethylbenzene	ug/m3	2.1	0.25		02/09/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		02/09/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		02/09/09	WSD
m/p-Xylene	ug/m3	27	0.43		02/09/09	WSD
o-Xylene	ug/m3	9.5	0.22		02/09/09	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

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

Purchase Order No.: 200902144

2/11/2009
 Page 53 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

The following notes were attached to the reported analysis :

Sample ID: * 09B03218

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

DUP

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

MBL

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

LFBlank-91471

Analyte	True PPBv	Value ug/m3	Results		Recovery %
			PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	2.5	17	137

Sample ID: * 09B03219

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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

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

2/11/2009
 Page 54 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Purchase Order No.: 200902144

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Sample ID: * 09B03220

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B03221

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B03222

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B03223

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B03224

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B03225

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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

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

Purchase Order No.: 200902144

2/11/2009
 Page 55 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/4/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23042
 Job Number: 3650080114.11

Sample ID: * 09B03226
 Analysis: to-15 ug/m3

Analyte	Reporting PPBv	Limit ug/m3	Sample Results PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B03227
 Analysis: to-15 ug/m3

Analyte	Reporting PPBv	Limit ug/m3	Sample Results PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B03228
 Analysis: to-15 ug/m3

Analyte	Reporting PPBv	Limit ug/m3	Sample Results PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B03229
 Analysis: to-15 ug/m3

Analyte	Reporting PPBv	Limit ug/m3	Sample Results PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B03230
 Analysis: to-15 ug/m3

Analyte	Reporting PPBv	Limit ug/m3	Sample Results PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

** 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



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 1 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B03218	Acetone	Sample Amount	7.70	ug/m3	
		Duplicate Value	7.47	ug/m3	
		Duplicate RPD	3.06	%	
	Benzene	Sample Amount	0.67	ug/m3	
		Duplicate Value	0.69	ug/m3	
		Duplicate RPD	1.86	%	
	Carbon Tetrachloride	Sample Amount	0.40	ug/m3	
		Duplicate Value	0.43	ug/m3	
		Duplicate RPD	5.97	%	
	Ethylbenzene	Sample Amount	0.28	ug/m3	
		Duplicate Value	0.28	ug/m3	
		Duplicate RPD	0.00	%	
	Hexane	Sample Amount	0.74	ug/m3	
		Duplicate Value	0.76	ug/m3	
		Duplicate RPD	2.81	%	
	Isopropanol	Sample Amount	3.12	ug/m3	
		Duplicate Value	3.08	ug/m3	
		Duplicate RPD	1.34	%	
	2-Butanone (MEK)	Sample Amount	3.11	ug/m3	
		Duplicate Value	3.11	ug/m3	
		Duplicate RPD	0.00	%	
	Tetrachloroethylene	Sample Amount	0.56	ug/m3	
		Duplicate Value	0.58	ug/m3	
		Duplicate RPD	3.50	%	
	Toluene	Sample Amount	1.35	ug/m3	
		Duplicate Value	1.36	ug/m3	
		Duplicate RPD	0.55	%	
	1,1,1-Trichloroethane	Sample Amount	0.55	ug/m3	
		Duplicate Value	0.60	ug/m3	
		Duplicate RPD	8.45	%	
Trichloroethylene	Sample Amount	0.45	ug/m3		
	Duplicate Value	0.54	ug/m3		
	Duplicate RPD	18.18	%		
1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	0.63	ug/m3		
	Duplicate Value	0.52	ug/m3		
	Duplicate RPD	18.42	%		
Trichlorofluoromethane	Sample Amount	1.36	ug/m3		
	Duplicate Value	1.30	ug/m3		
	Duplicate RPD	4.63	%		
o-Xylene	Sample Amount	0.32	ug/m3		
	Duplicate Value	0.32	ug/m3		
	Duplicate RPD	0.00	%		
m/p-Xylene	Sample Amount	0.86	ug/m3		



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 2 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B03218	m/p-Xylene	Duplicate Value	0.84	ug/m3	
		Duplicate RPD	2.53	%	
	Ethanol	Sample Amount	8.32	ug/m3	
		Duplicate Value	8.35	ug/m3	
		Duplicate RPD	0.36	%	
	Methylene Chloride	Sample Amount	32.85	ug/m3	
		Duplicate Value	30.26	ug/m3	
		Duplicate RPD	8.21	%	
	Chloromethane	Sample Amount	1.02	ug/m3	
		Duplicate Value	0.99	ug/m3	
		Duplicate RPD	3.07	%	
	1,2,4-Trimethylbenzene	Sample Amount	0.35	ug/m3	
		Duplicate Value	0.35	ug/m3	
		Duplicate RPD	1.37	%	
	Dichlorodifluoromethane	Sample Amount	2.11	ug/m3	
		Duplicate Value	2.12	ug/m3	
		Duplicate RPD	0.46	%	
	4-Bromofluorobenzene	Surrogate Recovery	83.25	%	70-130
	Tetrahydrofuran	Sample Amount	1.15	ug/m3	
		Duplicate Value	1.14	ug/m3	
		Duplicate RPD	1.28	%	
09B03219	4-Bromofluorobenzene	Surrogate Recovery	82.75	%	70-130
09B03220	4-Bromofluorobenzene	Surrogate Recovery	82.87	%	70-130
09B03221	4-Bromofluorobenzene	Surrogate Recovery	84.62	%	70-130
09B03222	4-Bromofluorobenzene	Surrogate Recovery	84.00	%	70-130
09B03223	4-Bromofluorobenzene	Surrogate Recovery	86.50	%	70-130
09B03224	4-Bromofluorobenzene	Surrogate Recovery	85.37	%	70-130
09B03225	4-Bromofluorobenzene	Surrogate Recovery	86.37	%	70-130
09B03226	4-Bromofluorobenzene	Surrogate Recovery	85.75	%	70-130
09B03227	4-Bromofluorobenzene	Surrogate Recovery	85.62	%	70-130
09B03228	4-Bromofluorobenzene	Surrogate Recovery	86.00	%	70-130
09B03229	4-Bromofluorobenzene	Surrogate Recovery	82.00	%	70-130



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 3 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B03230	4-Bromofluorobenzene	Surrogate Recovery	84.75	%	70-130
BLANK-129379	Acetone	Blank	0.61	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	<0.37	ug/m3	
	Ethylbenzene	Blank	<0.22	ug/m3	
	Hexane	Blank	<0.18	ug/m3	
	Isopropanol	Blank	<0.25	ug/m3	
	2-Butanone (MEK)	Blank	<0.15	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	<0.19	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	

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 4 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129379					
	Hexachlorobutadiene	Blank	<1.1	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	<0.18	ug/m3	
	1,3-Butadiene	Blank	<0.11	ug/m3	
BLANK-129380					
	Acetone	Blank	1.39	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	<0.37	ug/m3	
	Ethylbenzene	Blank	<0.22	ug/m3	
	Hexane	Blank	<0.18	ug/m3	
	Isopropanol	Blank	<0.25	ug/m3	
	2-Butanone (MEK)	Blank	0.39	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	

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 5 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129380					
	1,1-Dichloroethane	Blank	<0.20	ug/m3	
	1,1-Dichloroethylene	Blank	<0.20	ug/m3	
	Ethanol	Blank	0.50	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	<1.1	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	<0.18	ug/m3	
	1,3-Butadiene	Blank	<0.11	ug/m3	
BLANK-129381					
	Acetone	Blank		ug/m3	
	Benzene	Blank		ug/m3	
	Carbon Tetrachloride	Blank		ug/m3	
	Chloroform	Blank		ug/m3	
	1,2-Dichloroethane	Blank		ug/m3	



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 6 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129381					
	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		ug/m3	
	Toluene	Blank		ug/m3	
	1,1,1-Trichloroethane	Blank	<0.27	ug/m3	
	Trichloroethylene	Blank	<0.27	ug/m3	
	Trichlorofluoromethane	Blank	<0.28	ug/m3	
	1,1-Dichloroethane	Blank	<0.20	ug/m3	
	1,1-Dichloroethylene	Blank	<0.20	ug/m3	
	Chloroethane	Blank	<0.13	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.20	ug/m3	
LFBLANK-91471					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	13.65	ug/m3	
		Lab Fort Blk. % Rec.	114.98	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	12.31	ug/m3	
		Lab Fort Blk. % Rec.	77.18	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	30.60	ug/m3	
		Lab Fort Blk. % Rec.	97.30	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	22.91	ug/m3	
		Lab Fort Blk. % Rec.	94.18	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.79	ug/m3	
		Lab Fort Blk. % Rec.	92.86	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	38.83	ug/m3	
		Lab Fort Blk. % Rec.	129.19	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	19.07	ug/m3	
		Lab Fort Blk. % Rec.	105.90	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	19.99	ug/m3	
		Lab Fort Blk. % Rec.	92.26	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 7 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91471					
	Hexane	Lab Fort Blk. Found	18.10	ug/m3	
		Lab Fort Blk. % Rec.	102.76	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	14.80	ug/m3	
		Lab Fort Blk. % Rec.	120.46	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	15.53	ug/m3	
		Lab Fort Blk. % Rec.	105.34	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	20.67	ug/m3	
		Lab Fort Blk. % Rec.	100.92	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	19.88	ug/m3	
		Lab Fort Blk. % Rec.	93.52	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	36.49	ug/m3	
		Lab Fort Blk. % Rec.	107.64	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	16.44	ug/m3	
		Lab Fort Blk. % Rec.	87.42	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	24.13	ug/m3	
		Lab Fort Blk. % Rec.	88.47	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	23.48	ug/m3	
		Lab Fort Blk. % Rec.	87.39	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	40.17	ug/m3	
		Lab Fort Blk. % Rec.	104.84	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	29.54	ug/m3	
		Lab Fort Blk. % Rec.	105.16	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	21.02	ug/m3	
		Lab Fort Blk. % Rec.	96.82	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	41.74	ug/m3	
		Lab Fort Blk. % Rec.	96.09	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	39.67	ug/m3	
		Lab Fort Blk. % Rec.	131.97	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	38.77	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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 8 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91471	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	129.00	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	16.42	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	81.14	%	70-130
		Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	18.08	ug/m3	
	Ethanol	Lab Fort Blk. % Rec.	91.18	%	70-130
		Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	12.21	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	129.62	%	50-150
		Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	27.05	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	110.08	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	16.63	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	92.25	%	70-130
		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.92	ug/m3	
	Vinyl Chloride	Lab Fort Blk. % Rec.	85.38	%	70-130
		Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	11.29	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	88.40	%	70-130
		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	16.51	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	95.12	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.43	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	97.41	%	70-130
		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	9.47	ug/m3	
	Bromomethane	Lab Fort Blk. % Rec.	91.72	%	70-130
		Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	20.26	ug/m3	
	Chloroethane	Lab Fort Blk. % Rec.	104.44	%	70-130
		Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	12.35	ug/m3	
	cis-1,3-Dichloropropene	Lab Fort Blk. % Rec.	93.69	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	18.79	ug/m3	
	trans-1,3-Dichloropropene	Lab Fort Blk. % Rec.	82.78	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.96	ug/m3	
		Lab Fort Blk. % Rec.	87.93	%	70-130



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 9 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91471					
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	49.00	ug/m3	
		Lab Fort Blk. % Rec.	115.06	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	23.94	ug/m3	
		Lab Fort Blk. % Rec.	87.75	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	71.29	ug/m3	
		Lab Fort Blk. % Rec.	137.90	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	33.82	ug/m3	
		Lab Fort Blk. % Rec.	98.50	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	76.35	ug/m3	
		Lab Fort Blk. % Rec.	143.16	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	63.47	ug/m3	
		Lab Fort Blk. % Rec.	171.06	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.76	ug/m3	
		Lab Fort Blk. % Rec.	108.90	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.98	ug/m3	
		Lab Fort Blk. % Rec.	105.70	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	15.97	ug/m3	
		Lab Fort Blk. % Rec.	92.81	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.37	ug/m3	
		Lab Fort Blk. % Rec.	87.63	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	16.52	ug/m3	
		Lab Fort Blk. % Rec.	71.52	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	24.44	ug/m3	
		Lab Fort Blk. % Rec.	98.87	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	30.09	ug/m3	
		Lab Fort Blk. % Rec.	116.28	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	13.88	ug/m3	
		Lab Fort Blk. % Rec.	89.19	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 10 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91471					
	Vinyl Acetate	Lab Fort Blk. Found	20.17	ug/m3	
		Lab Fort Blk. % Rec.	114.62	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	22.06	ug/m3	
		Lab Fort Blk. % Rec.	107.74	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	31.05	ug/m3	
		Lab Fort Blk. % Rec.	92.68	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	37.11	ug/m3	
		Lab Fort Blk. % Rec.	96.60	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	16.40	ug/m3	
		Lab Fort Blk. % Rec.	80.07	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	34.62	ug/m3	
		Lab Fort Blk. % Rec.	99.06	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	15.72	ug/m3	
		Lab Fort Blk. % Rec.	106.64	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	7.85	ug/m3	
		Lab Fort Blk. % Rec.	91.26	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	12.25	ug/m3	
		Lab Fort Blk. % Rec.	110.82	%	70-130
LFBLANK-91472					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	12.18	ug/m3	
		Lab Fort Blk. % Rec.	102.60	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	13.52	ug/m3	
		Lab Fort Blk. % Rec.	84.81	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	32.42	ug/m3	
		Lab Fort Blk. % Rec.	103.08	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	25.03	ug/m3	
		Lab Fort Blk. % Rec.	102.86	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	20.31	ug/m3	
		Lab Fort Blk. % Rec.	100.36	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 11 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91472					
	1,4-Dichlorobenzene	Lab Fort Blk. Found	38.00	ug/m3	
		Lab Fort Blk. % Rec.	126.42	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	20.17	ug/m3	
		Lab Fort Blk. % Rec.	112.00	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	20.52	ug/m3	
		Lab Fort Blk. % Rec.	94.70	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	19.83	ug/m3	
		Lab Fort Blk. % Rec.	112.58	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	17.59	ug/m3	
		Lab Fort Blk. % Rec.	143.16	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	16.00	ug/m3	
		Lab Fort Blk. % Rec.	108.54	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	21.74	ug/m3	
		Lab Fort Blk. % Rec.	106.16	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	22.13	ug/m3	
		Lab Fort Blk. % Rec.	104.06	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	39.43	ug/m3	
		Lab Fort Blk. % Rec.	116.32	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	17.52	ug/m3	
		Lab Fort Blk. % Rec.	93.14	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	25.25	ug/m3	
		Lab Fort Blk. % Rec.	92.58	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	25.15	ug/m3	
		Lab Fort Blk. % Rec.	93.60	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	46.53	ug/m3	
		Lab Fort Blk. % Rec.	121.44	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	32.49	ug/m3	
		Lab Fort Blk. % Rec.	115.66	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	20.91	ug/m3	



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 12 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91472					
	o-Xylene	Lab Fort Blk. % Rec.	96.32	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	39.75	ug/m3	
	1,2-Dichlorobenzene	Lab Fort Blk. % Rec.	91.51	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	38.84	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	129.22	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	38.16	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	126.96	%	70-130
		Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.80	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	92.90	%	70-130
		Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	21.49	ug/m3	
	Ethanol	Lab Fort Blk. % Rec.	108.34	%	70-130
		Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	13.23	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	140.49	%	50-150
		Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	27.33	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	111.22	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	18.56	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	102.98	%	70-130
		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	19.05	ug/m3	
	Vinyl Chloride	Lab Fort Blk. % Rec.	96.14	%	70-130
		Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	13.18	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	103.18	%	70-130
		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	20.74	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	119.48	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	23.79	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	103.32	%	70-130
		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.92	ug/m3	
	Bromomethane	Lab Fort Blk. % Rec.	105.80	%	70-130
		Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	23.03	ug/m3	
		Lab Fort Blk. % Rec.	118.70	%	70-130



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 13 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91472					
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	14.80	ug/m3	
		Lab Fort Blk. % Rec.	112.27	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	20.43	ug/m3	
		Lab Fort Blk. % Rec.	90.04	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	21.33	ug/m3	
		Lab Fort Blk. % Rec.	93.97	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	50.27	ug/m3	
		Lab Fort Blk. % Rec.	118.04	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	24.85	ug/m3	
		Lab Fort Blk. % Rec.	91.11	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	71.69	ug/m3	
		Lab Fort Blk. % Rec.	138.68	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	33.44	ug/m3	
		Lab Fort Blk. % Rec.	97.42	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	73.06	ug/m3	
		Lab Fort Blk. % Rec.	137.00	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	57.32	ug/m3	
		Lab Fort Blk. % Rec.	154.50	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.82	ug/m3	
		Lab Fort Blk. % Rec.	109.14	%	70-130
	1,3,5-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
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	17.21	ug/m3	
		Lab Fort Blk. % Rec.	100.04	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	19.43	ug/m3	
		Lab Fort Blk. % Rec.	98.03	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	18.18	ug/m3	
		Lab Fort Blk. % Rec.	78.69	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 14 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91472	Dichlorodifluoromethane	Lab Fort Blk. Found	25.83	ug/m3	
		Lab Fort Blk. % Rec.	104.48	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	29.43	ug/m3	
		Lab Fort Blk. % Rec.	113.70	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	16.77	ug/m3	
		Lab Fort Blk. % Rec.	107.72	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	21.19	ug/m3	
		Lab Fort Blk. % Rec.	120.38	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	21.94	ug/m3	
		Lab Fort Blk. % Rec.	107.12	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	32.23	ug/m3	
		Lab Fort Blk. % Rec.	96.21	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	37.81	ug/m3	
		Lab Fort Blk. % Rec.	98.42	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	18.03	ug/m3	
		Lab Fort Blk. % Rec.	88.01	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	38.47	ug/m3	
		Lab Fort Blk. % Rec.	110.06	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	17.43	ug/m3	
		Lab Fort Blk. % Rec.	118.24	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	8.68	ug/m3	
		Lab Fort Blk. % Rec.	100.92	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	13.92	ug/m3	
		Lab Fort Blk. % Rec.	125.88	%	70-130
LFBLANK-91473	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	21.38	ug/m3	
		Lab Fort Blk. % Rec.	78.40	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	22.49	ug/m3	
		Lab Fort Blk. % Rec.	83.71	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	



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

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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 15 of 17

QC Batch Number: BATCH-16003

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91473	Trichlorofluoromethane	Lab Fort Blk. Found	29.42	ug/m3	
		Lab Fort Blk. % Rec.	104.72	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.63	ug/m3	
		Lab Fort Blk. % Rec.	87.09	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	19.98	ug/m3	
		Lab Fort Blk. % Rec.	100.74	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	13.67	ug/m3	
		Lab Fort Blk. % Rec.	103.66	%	70-130
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	18.00	ug/m3	
		Lab Fort Blk. % Rec.	90.80	%	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: 2/11/2009

Lims Bat # : LIMIT-23042

Page 16 of 17

NOTES:

QC Batch No. : BATCH-16003
Sample ID : LFBLANK-91471
Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16003
Sample ID : LFBLANK-91471
Analysis : 1,2-Dichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16003
Sample ID : LFBLANK-91471
Analysis : Bromoform

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16003
Sample ID : LFBLANK-91471
Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16003
Sample ID : LFBLANK-91472
Analysis : 1,2,4-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16003
Sample ID : LFBLANK-91472
Analysis : Bromoform

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-16003
Sample ID : LFBLANK-91472
Analysis : Hexachlorobutadiene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH 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: 2/11/2009 Lims Bat #: LIMIT-23042 Page 17 of 17

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
www.contestlabs.com

Company Name: MATEC Engineering
Address: 107 Audubon Rd., Suite 301
Wakefield, MA 01880

Telephone: (781) 245-6606
Project # 3650080114 . 11
Client PO # _____

LFMT-23042

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Attention: Chuck Collet
Project Location: Govhams Providence, RI
Sampled By: PSM / TRH

Proposal Provided? (For Billing purposes)

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
Email: Cacollect@matec.com
Format: EXCEL PDF GIS KEY OTHER
EQUIS
E2E05

Field ID	Sample Description	Media	Lab #	Date Time	Date Time	Total Minutes Sampled	Flow Rate (L/Min)	Volume (Liters or M ³)	Matrix Code*	Analysis Requested	Hg	Summa Canister ID	Flow Controller ID
IA-1-020309		S	09R03218	020309/0844	020309/0854	10	0.6	6	IA	X	-26.5	1310	4086
IA-2-020309		S		0845	0915	30	0.2	6	IA	X	-29	1115	4094
IA-3-020309		S		0847	0917	30	0.2	6	IA	X	-29	1447	4090
IA-4-020309		S		0848	0918	30	0.2	6	IA	X	-29.5	1291	4082
IA-5-020309		S		0938	1008	30	0.2	6	IA	X	-29	1331	4069
IA-6-020309		S		0934	1004	30	0.2	6	IA	X	-28	1051	4079
IA-7-020309		S		0944	1014	30	0.2	6	IA	X	-27.5	1067	4070
AA-1-020309		S		0949	1019	30	0.2	6	AMB	X	-28	1850	4007

CLIENT COMMENTS:

Relinquished by: (signature) _____ Date/Time: 2.4.09/1235

Received by: (signature) _____ Date/Time: 2-4-09 1235

Primarily used by: (signature) _____ Date/Time: 2-4-09 1515

Received by: (signature) _____ Date/Time: 02/04/09 1715

Turnaround **
 7-Day
 10-Day
 Other 5
 RUSH *
 24-Hr 48-Hr
 72-Hr 74-Day
 *Approval Required

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

Matrix Code: IA= INDOOR AIR
AMB=AMBIENT
SS= SUB SLAB
D= DUP
BL= BLANK
 = other

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

ANALYSIS REQUESTED: Level Scan

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, NELAC & WBE/DBE Certified



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.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
Wakefield, MA 01880

Attention: Chuck Collet

Project Location: Providence, RI (Dorham Stz)

Sampled By: FSM / TRH

Proposal Provided? (For Billing purposes)
 Yes 1.29.09 proposal date

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

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: ccollet@maectec.com

Format: EXCEL PDF GIS KEY OTHER

ANALYSIS REQUESTED	"Hg	Please fill out completely, sign, date and retain the yellow copy for your record.
TO-15 Lowlevel Scan	1168	Summa canisters 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	Stop	Total	Flow Rate	Volume	Matrix	Code*		
EW-5-020309	S	OSB03226	2.3.09/1130	2.3.09/1200	30	0.2	6	56	X	-29-6	1168	4089
EW-6-020309	S		2.3.09/1140	2.3.09/1210	30	0.2	6	56	X	-29-6	1496	4072
EW-7-020309	S		2.3.09/1156	2.3.09/1226	30	0.2	6	56	X	-29-4	1106	4071
EW-Combined-020309	S		2.3.09/1238	2.3.09/1308	30	0.2	6	56	X	-29-45	1832	4083
Post carbon-020309	S	V	2.3.09/1239	2.3.09/1309	30	0.2	6	56	X	-30-5	1024	4084

Laboratory Comments: CLIENT COMMENTS: EW-5-020309, EW-6-020309, EW-7-020309, EW-Combined-020309, and EW Post Carbon-020309 are sampled from source area soil gas.

Relinquished by: (signature) [Signature] Date/Time: 2.4.09/1235

Requested by: (signature) [Signature] Date/Time: 2.4.09/1238

Approved by: (signature) [Signature] Date/Time: 2.4.09/1715

Turnaround: 7 Day 10-Day Other 5

Regulations: Target Indoor Air (Commercial) Y N

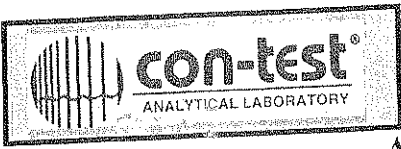
Enhanced Data Package Y N

Required Detection Limits: Target Indoor Air Conc. (Commercial)

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

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

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



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MaCTEE DATE: 02/04/09
RECEIVED BY: Km

Was chain of custody relinquished and signed? YES NO
Does Chain agree with samples? YES NO

If not, explain: _____

All Samples in good condition? YES NO

If not, explain: _____

Are there any on hold samples? YES NO STORED WHERE: _____

ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED? DATE _____ TIME _____

Location where samples are stored: AIR

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	14
Tedlar Bags	
Regulators	
Restrictors	14
Tubes	
Other	

Was all media (used & unused) checked into the WASP asset management program? Y

Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet? Y

Were the Lab ID's documented in the Air Lab Outbound excel sheet? Y

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: CHUCK COLLET

CONTRACT NUMBER:
 PURCHASE ORDER NUMBER: 200902529

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23290
 JOB NUMBER: 3650080114.11

PROJECT LOCATION: GORHAM-PROVIDENCE-RI

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-021109	09B04213	AIR	Not Specified	to-15 ppbv	
*AA-1-021109	09B04213	AIR	Not Specified	to-15 ug/m3	
*EW-5-021109	09B04210	AIR	Not Specified	to-15 ppbv	
*EW-5-021109	09B04210	AIR	Not Specified	to-15 ug/m3	
*EW-6-021109	09B04214	AIR	Not Specified	to-15 ppbv	
*EW-6-021109	09B04214	AIR	Not Specified	to-15 ug/m3	
*EW-7-021109	09B04215	AIR	Not Specified	to-15 ppbv	
*EW-7-021109	09B04215	AIR	Not Specified	to-15 ug/m3	
*EW-COMBINED-02	09B04212	AIR	Not Specified	to-15 ppbv	
*EW-COMBINED-02	09B04212	AIR	Not Specified	to-15 ug/m3	
*IA-1-021109	09B04203	AIR	Not Specified	to-15 ppbv	
*IA-1-021109	09B04203	AIR	Not Specified	to-15 ug/m3	
*IA-2-021109	09B04204	AIR	Not Specified	to-15 ppbv	
*IA-2-021109	09B04204	AIR	Not Specified	to-15 ug/m3	
*IA-3-021109	09B04206	AIR	Not Specified	to-15 ppbv	
*IA-3-021109	09B04206	AIR	Not Specified	to-15 ug/m3	
*IA-4-021109	09B04205	AIR	Not Specified	to-15 ppbv	
*IA-4-021109	09B04205	AIR	Not Specified	to-15 ug/m3	
*IA-5-021109	09B04207	AIR	Not Specified	to-15 ppbv	
*IA-5-021109	09B04207	AIR	Not Specified	to-15 ug/m3	
*IA-6-021109	09B04208	AIR	Not Specified	to-15 ppbv	
*IA-6-021109	09B04208	AIR	Not Specified	to-15 ug/m3	
*IA-7-021109	09B04209	AIR	Not Specified	to-15 ppbv	
*IA-7-021109	09B04209	AIR	Not Specified	to-15 ug/m3	
*POST CARBON-02	09B04211	AIR	Not Specified	to-15 ppbv	
*POST CARBON-02	09B04211	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
 OF PARAMETERS ORDERED BY:**





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

REPORT DATE 2/19/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200902529

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23290
JOB NUMBER: 3650080114.11

Comments :

LIMS BATCH NO. : LIMIT-23290

In method TO-15, method blank-129711 contained Acetone at 0.78 ppbv = 1.8 ug/m3,
Isopropanol at 0.09 ppbv = 0.22 ug/m3, Ethanol at 0.30 ppbv = 0.58 ug/m3,
2-Butanone(MEK) at 0.13 ppbv = 0.39 ug/m3, Methylene Chloride at 0.06 ppbv = 0.22 ug/m3 and
Propene at 0.06 ppbv = 0.10 ug/m3.

In method TO-15, for sample 09B04207, reported result for Isopropanol is estimated. Value is reported over the verified linear calibration range.

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	DATE

Tod Kopyscinski Air Laboratory Manager	Michael Erickson Assistant Laboratory Director
---	---

Edward Denson Technical Director	Daren Damboragian Organics Department Supervisor
-------------------------------------	---

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 1 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : AA-1-021109

Sample ID : *09B04213

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.3	0.05		02/17/09	XC
Benzene	PPBv	0.41	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	0.08	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	0.82	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	ND	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.68	0.05		02/17/09	XC
Cyclohexane	PPBv	0.10	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	5.3	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.12	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.22	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

2/19/2009
 Page 2 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Field Sample # : AA-1-021109

Sample ID : *09B04213 ‡Sampled : 2/11/2009
 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		02/17/09	XC
Hexane	PPBv	0.31	0.05		02/17/09	XC
2-Hexanone	PPBv	0.14	0.05		02/17/09	XC
Isopropanol	PPBv	0.73	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	0.19	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.06	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	ND	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.11	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	ND	0.05		02/17/09	XC
Toluene	PPBv	0.85	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	ND	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.30	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.11	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	ND	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.31	0.10		02/17/09	XC
o-Xylene	PPBv	0.12	0.05		02/17/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	15	0.12		02/17/09	XC
Benzene	ug/m3	1.3	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	0.17	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	2.4	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 3 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample #: AA-1-021109

Sample ID: *09B04213

‡Sampled: 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	ND	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.4	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.35	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	10.0	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.52	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.92	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	1.1	0.18		02/17/09	XC
2-Hexanone	ug/m3	0.57	0.20		02/17/09	XC
Isopropanol	ug/m3	1.8	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	0.65	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.27	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	ND	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 4 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : AA-1-021109

Sample ID : *09B04213

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	0.73	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		02/17/09	XC
Toluene	ug/m3	3.2	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	ND	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.50	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.52	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/17/09	XC
m/p-Xylene	ug/m3	1.4	0.43		02/17/09	XC
o-Xylene	ug/m3	0.53	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 5 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-5-021109

Sample ID : *09B04210

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	13	1.0		02/17/09	XC
Benzene	PPBv	3.7	1.0		02/17/09	XC
Benzyl Chloride	PPBv	ND	1.0		02/17/09	XC
Bromodichloromethane	PPBv	ND	1.0		02/17/09	XC
Bromoform	PPBv	ND	1.0		02/17/09	XC
Bromomethane	PPBv	ND	1.0		02/17/09	XC
1,3-Butadiene	PPBv	ND	1.0		02/17/09	XC
2-Butanone (MEK)	PPBv	30	1.0		02/17/09	XC
Carbon Disulfide	PPBv	ND	1.0		02/17/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		02/17/09	XC
Chlorobenzene	PPBv	ND	1.0		02/17/09	XC
Chlorodibromomethane	PPBv	ND	1.0		02/17/09	XC
Chloroethane	PPBv	8.6	1.0		02/17/09	XC
Chloroform	PPBv	6.7	1.0		02/17/09	XC
Chloromethane	PPBv	ND	1.0		02/17/09	XC
Cyclohexane	PPBv	ND	1.0		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		02/17/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		02/17/09	XC
1,1-Dichloroethane	PPBv	470	1.0		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		02/17/09	XC
1,1-Dichloroethylene	PPBv	72	1.0		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	180	1.0		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	1.5	1.0		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/17/09	XC
Ethanol	PPBv	19	1.0		02/17/09	XC
Ethyl Acetate	PPBv	ND	1.0		02/17/09	XC
Ethylbenzene	PPBv	ND	1.0		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		02/17/09	XC
n-Heptane	PPBv	ND	1.0		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

2/19/2009
 Page 6 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Field Sample # : EW-5-021109

Sample ID : *09B04210 ‡Sampled : 2/11/2009
 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		02/17/09	XC
Hexane	PPBv	ND	1.0		02/17/09	XC
2-Hexanone	PPBv	ND	1.0		02/17/09	XC
Isopropanol	PPBv	2.1	1.0		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/17/09	XC
Methylene Chloride	PPBv	ND	2.0		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/17/09	XC
Propene	PPBv	ND	1.0		02/17/09	XC
Styrene	PPBv	4.0	1.0		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/17/09	XC
Tetrachloroethylene	PPBv	45	1.0		02/17/09	XC
Tetrahydrofuran	PPBv	39	1.0		02/17/09	XC
Toluene	PPBv	1.2	1.0		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/17/09	XC
1,1,1-Trichloroethane	PPBv	7600	1.0		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		02/17/09	XC
Trichloroethylene	PPBv	3800	1.0		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	35	1.0		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/17/09	XC
Vinyl Acetate	PPBv	ND	1.0		02/17/09	XC
Vinyl Chloride	PPBv	ND	1.0		02/17/09	XC
m/p-Xylene	PPBv	ND	2.0		02/17/09	XC
o-Xylene	PPBv	ND	1.0		02/17/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	32	2.4		02/17/09	XC
Benzene	ug/m3	12	3.2		02/17/09	XC
Benzyl Chloride	ug/m3	ND	5.2		02/17/09	XC
Bromodichloromethane	ug/m3	ND	6.6		02/17/09	XC
Bromoform	ug/m3	ND	11		02/17/09	XC
Bromomethane	ug/m3	ND	3.8		02/17/09	XC
1,3-Butadiene	ug/m3	ND	2.2		02/17/09	XC
2-Butanone (MEK)	ug/m3	89	3.0		02/17/09	XC
Carbon Disulfide	ug/m3	ND	3.2		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 8 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-5-021109

Sample ID : *09B04210

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	310	6.8		02/17/09	XC
Tetrahydrofuran	ug/m3	110	3.0		02/17/09	XC
Toluene	ug/m3	4.7	3.8		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	41000	5.4		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/17/09	XC
Trichloroethylene	ug/m3	20000	5.4		02/17/09	XC
Trichlorofluoromethane	ug/m3	200	5.6		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/17/09	XC
Vinyl Acetate	ug/m3	ND	3.6		02/17/09	XC
Vinyl Chloride	ug/m3	ND	2.6		02/17/09	XC
m/p-Xylene	ug/m3	ND	8.6		02/17/09	XC
o-Xylene	ug/m3	ND	4.4		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 9 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-6-021109

Sample ID : *09B04214

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	27	1.0		02/18/09	XC
Benzene	PPBv	1.6	1.0		02/18/09	XC
Benzyl Chloride	PPBv	ND	1.0		02/18/09	XC
Bromodichloromethane	PPBv	ND	1.0		02/18/09	XC
Bromoform	PPBv	ND	1.0		02/18/09	XC
Bromomethane	PPBv	ND	1.0		02/18/09	XC
1,3-Butadiene	PPBv	ND	1.0		02/18/09	XC
2-Butanone (MEK)	PPBv	96	1.0		02/18/09	XC
Carbon Disulfide	PPBv	ND	1.0		02/18/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		02/18/09	XC
Chlorobenzene	PPBv	ND	1.0		02/18/09	XC
Chlorodibromomethane	PPBv	ND	1.0		02/18/09	XC
Chloroethane	PPBv	19	1.0		02/18/09	XC
Chloroform	PPBv	4.9	1.0		02/18/09	XC
Chloromethane	PPBv	ND	1.0		02/18/09	XC
Cyclohexane	PPBv	1.5	1.0		02/18/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		02/18/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		02/18/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		02/18/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		02/18/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		02/18/09	XC
1,1-Dichloroethane	PPBv	620	1.0		02/18/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		02/18/09	XC
1,1-Dichloroethylene	PPBv	53	1.0		02/18/09	XC
cis-1,2-Dichloroethylene	PPBv	91	1.0		02/18/09	XC
t-1,2-Dichloroethylene	PPBv	1.6	1.0		02/18/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		02/18/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/18/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/18/09	XC
Ethanol	PPBv	20	1.0		02/18/09	XC
Ethyl Acetate	PPBv	ND	1.0		02/18/09	XC
Ethylbenzene	PPBv	ND	1.0		02/18/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		02/18/09	XC
n-Heptane	PPBv	ND	1.0		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 10 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-6-021109

Sample ID : *09B04214

‡Sampled : 2/11/2009

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		02/18/09	XC
Hexane	PPBv	ND	1.0		02/18/09	XC
2-Hexanone	PPBv	ND	1.0		02/18/09	XC
Isopropanol	PPBv	7.5	1.0		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/18/09	XC
Methylene Chloride	PPBv	ND	2.0		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/18/09	XC
Propene	PPBv	ND	1.0		02/18/09	XC
Styrene	PPBv	ND	1.0		02/18/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/18/09	XC
Tetrachloroethylene	PPBv	42	1.0		02/18/09	XC
Tetrahydrofuran	PPBv	160	1.0		02/18/09	XC
Toluene	PPBv	ND	1.0		02/18/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/18/09	XC
1,1,1-Trichloroethane	PPBv	5900	1.0		02/18/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		02/18/09	XC
Trichloroethylene	PPBv	1300	1.0		02/18/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	160	1.0		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/18/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/18/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/18/09	XC
Vinyl Acetate	PPBv	ND	1.0		02/18/09	XC
Vinyl Chloride	PPBv	ND	1.0		02/18/09	XC
m/p-Xylene	PPBv	ND	2.0		02/18/09	XC
o-Xylene	PPBv	ND	1.0		02/18/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	64	2.4		02/18/09	XC
Benzene	ug/m3	5.2	3.2		02/18/09	XC
Benzyl Chloride	ug/m3	ND	5.2		02/18/09	XC
Bromodichloromethane	ug/m3	ND	6.6		02/18/09	XC
Bromoform	ug/m3	ND	11		02/18/09	XC
Bromomethane	ug/m3	ND	3.8		02/18/09	XC
1,3-Butadiene	ug/m3	ND	2.2		02/18/09	XC
2-Butanone (MEK)	ug/m3	280	3.0		02/18/09	XC
Carbon Disulfide	ug/m3	ND	3.2		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 11 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : EW-6-021109

Sample ID : *09B04214

‡Sampled : 2/11/2009

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		02/18/09	XC
Chlorobenzene	ug/m3	ND	4.6		02/18/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		02/18/09	XC
Chloroethane	ug/m3	50	2.6		02/18/09	XC
Chloroform	ug/m3	24	4.8		02/18/09	XC
Chloromethane	ug/m3	ND	2.0		02/18/09	XC
Cyclohexane	ug/m3	5.3	3.4		02/18/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		02/18/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/18/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/18/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/18/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		02/18/09	XC
1,1-Dichloroethane	ug/m3	2500	4.0		02/18/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		02/18/09	XC
1,1-Dichloroethylene	ug/m3	210	4.0		02/18/09	XC
cis-1,2-Dichloroethylene	ug/m3	360	4.0		02/18/09	XC
t-1,2-Dichloroethylene	ug/m3	6.3	4.0		02/18/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		02/18/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/18/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/18/09	XC
Ethanol	ug/m3	38	1.8		02/18/09	XC
Ethyl Acetate	ug/m3	ND	3.6		02/18/09	XC
Ethylbenzene	ug/m3	ND	4.4		02/18/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		02/18/09	XC
n-Heptane	ug/m3	ND	4.0		02/18/09	XC
Hexachlorobutadiene	ug/m3	ND	22		02/18/09	XC
Hexane	ug/m3	ND	3.6		02/18/09	XC
2-Hexanone	ug/m3	ND	4.0		02/18/09	XC
Isopropanol	ug/m3	18	2.4		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/18/09	XC
Methylene Chloride	ug/m3	ND	7.0		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/18/09	XC
Propene	ug/m3	ND	1.8		02/18/09	XC
Styrene	ug/m3	ND	4.2		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 12 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-6-021109

Sample ID : *09B04214

‡Sampled : 2/11/2009

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		02/18/09	XC
Tetrachloroethylene	ug/m3	290	6.8		02/18/09	XC
Tetrahydrofuran	ug/m3	480	3.0		02/18/09	XC
Toluene	ug/m3	ND	3.8		02/18/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/18/09	XC
1,1,1-Trichloroethane	ug/m3	32000	5.4		02/18/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/18/09	XC
Trichloroethylene	ug/m3	6900	5.4		02/18/09	XC
Trichlorofluoromethane	ug/m3	870	5.6		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/18/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/18/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/18/09	XC
Vinyl Acetate	ug/m3	ND	3.6		02/18/09	XC
Vinyl Chloride	ug/m3	ND	2.6		02/18/09	XC
m/p-Xylene	ug/m3	ND	8.6		02/18/09	XC
o-Xylene	ug/m3	ND	4.4		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 13 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-7-021109

Sample ID : *09B04215

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	16	0.20		02/18/09	XC
Benzene	PPBv	1.2	0.20		02/18/09	XC
Benzyl Chloride	PPBv	ND	0.20		02/18/09	XC
Bromodichloromethane	PPBv	ND	0.20		02/18/09	XC
Bromoform	PPBv	ND	0.20		02/18/09	XC
Bromomethane	PPBv	ND	0.20		02/18/09	XC
1,3-Butadiene	PPBv	ND	0.20		02/18/09	XC
2-Butanone (MEK)	PPBv	4.0	0.20		02/18/09	XC
Carbon Disulfide	PPBv	1.1	0.20		02/18/09	XC
Carbon Tetrachloride	PPBv	ND	0.20		02/18/09	XC
Chlorobenzene	PPBv	ND	0.20		02/18/09	XC
Chlorodibromomethane	PPBv	ND	0.20		02/18/09	XC
Chloroethane	PPBv	57	0.20		02/18/09	XC
Chloroform	PPBv	0.21	0.20		02/18/09	XC
Chloromethane	PPBv	ND	0.20		02/18/09	XC
Cyclohexane	PPBv	1.6	0.20		02/18/09	XC
1,2-Dibromoethane	PPBv	ND	0.20		02/18/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.20		02/18/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.20		02/18/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.20		02/18/09	XC
Dichlorodifluoromethane	PPBv	0.51	0.20		02/18/09	XC
1,1-Dichloroethane	PPBv	440	0.20		02/18/09	XC
1,2-Dichloroethane	PPBv	ND	0.20		02/18/09	XC
1,1-Dichloroethylene	PPBv	3.9	0.20		02/18/09	XC
cis-1,2-Dichloroethylene	PPBv	330	0.20		02/18/09	XC
t-1,2-Dichloroethylene	PPBv	34	0.20		02/18/09	XC
1,2-Dichloropropane	PPBv	ND	0.20		02/18/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.20		02/18/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.20		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.20		02/18/09	XC
Ethanol	PPBv	14	0.20		02/18/09	XC
Ethyl Acetate	PPBv	ND	0.20		02/18/09	XC
Ethylbenzene	PPBv	ND	0.20		02/18/09	XC
4-Ethyl Toluene	PPBv	ND	0.20		02/18/09	XC
n-Heptane	PPBv	0.34	0.20		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 14 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : EW-7-021109

Sample ID : *09B04215 ‡Sampled : 2/11/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.40		02/18/09	XC
Hexane	PPBv	2.9	0.20		02/18/09	XC
2-Hexanone	PPBv	ND	0.20		02/18/09	XC
Isopropanol	PPBv	7.4	0.20		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	0.98	0.20		02/18/09	XC
Methylene Chloride	PPBv	0.74	0.20		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.20		02/18/09	XC
Propene	PPBv	93	0.20		02/18/09	XC
Styrene	PPBv	ND	0.20		02/18/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.20		02/18/09	XC
Tetrachloroethylene	PPBv	10	0.20		02/18/09	XC
Tetrahydrofuran	PPBv	7.8	0.20		02/18/09	XC
Toluene	PPBv	0.76	0.20		02/18/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.20		02/18/09	XC
1,1,1-Trichloroethane	PPBv	1600	0.20		02/18/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.20		02/18/09	XC
Trichloroethylene	PPBv	39	0.20		02/18/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	240	0.20		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.20		02/18/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.20		02/18/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.20		02/18/09	XC
Vinyl Acetate	PPBv	ND	0.20		02/18/09	XC
Vinyl Chloride	PPBv	150	0.20		02/18/09	XC
m/p-Xylene	PPBv	ND	0.40		02/18/09	XC
o-Xylene	PPBv	ND	0.20		02/18/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	38	0.48		02/18/09	XC
Benzene	ug/m3	3.9	0.64		02/18/09	XC
Benzyl Chloride	ug/m3	ND	1.1		02/18/09	XC
Bromodichloromethane	ug/m3	ND	1.4		02/18/09	XC
Bromoform	ug/m3	ND	2.1		02/18/09	XC
Bromomethane	ug/m3	ND	0.76		02/18/09	XC
1,3-Butadiene	ug/m3	ND	0.44		02/18/09	XC
2-Butanone (MEK)	ug/m3	12	0.60		02/18/09	XC
Carbon Disulfide	ug/m3	3.4	0.64		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 15 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample #: EW-7-021109

Sample ID: *09B04215

‡Sampled: 2/11/2009

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	1.3		02/18/09	XC
Chlorobenzene	ug/m3	ND	0.92		02/18/09	XC
Chlorodibromomethane	ug/m3	ND	1.8		02/18/09	XC
Chloroethane	ug/m3	150	0.52		02/18/09	XC
Chloroform	ug/m3	1.0	0.96		02/18/09	XC
Chloromethane	ug/m3	ND	0.40		02/18/09	XC
Cyclohexane	ug/m3	5.6	0.68		02/18/09	XC
1,2-Dibromoethane	ug/m3	ND	1.6		02/18/09	XC
1,2-Dichlorobenzene	ug/m3	ND	1.2		02/18/09	XC
1,3-Dichlorobenzene	ug/m3	ND	1.2		02/18/09	XC
1,4-Dichlorobenzene	ug/m3	ND	1.2		02/18/09	XC
Dichlorodifluoromethane	ug/m3	2.5	1.0		02/18/09	XC
1,1-Dichloroethane	ug/m3	1800	0.80		02/18/09	XC
1,2-Dichloroethane	ug/m3	ND	0.80		02/18/09	XC
1,1-Dichloroethylene	ug/m3	15	0.80		02/18/09	XC
cis-1,2-Dichloroethylene	ug/m3	1300	0.80		02/18/09	XC
t-1,2-Dichloroethylene	ug/m3	140	0.80		02/18/09	XC
1,2-Dichloropropane	ug/m3	ND	0.92		02/18/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.88		02/18/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.88		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	1.4		02/18/09	XC
Ethanol	ug/m3	26	0.36		02/18/09	XC
Ethyl Acetate	ug/m3	ND	0.72		02/18/09	XC
Ethylbenzene	ug/m3	ND	0.88		02/18/09	XC
4-Ethyl Toluene	ug/m3	ND	1.0		02/18/09	XC
n-Heptane	ug/m3	1.4	0.80		02/18/09	XC
Hexachlorobutadiene	ug/m3	ND	4.3		02/18/09	XC
Hexane	ug/m3	10	0.72		02/18/09	XC
2-Hexanone	ug/m3	ND	0.80		02/18/09	XC
Isopropanol	ug/m3	18	0.48		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	3.5	0.72		02/18/09	XC
Methylene Chloride	ug/m3	2.6	0.68		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.80		02/18/09	XC
Propene	ug/m3	160	0.36		02/18/09	XC
Styrene	ug/m3	ND	0.84		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 16 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-7-021109

Sample ID : *09B04215

‡Sampled : 2/11/2009

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	1.4		02/18/09	XC
Tetrachloroethylene	ug/m3	69	1.4		02/18/09	XC
Tetrahydrofuran	ug/m3	23	0.60		02/18/09	XC
Toluene	ug/m3	2.9	0.76		02/18/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	1.5		02/18/09	XC
1,1,1-Trichloroethane	ug/m3	8500	1.1		02/18/09	XC
1,1,2-Trichloroethane	ug/m3	ND	1.1		02/18/09	XC
Trichloroethylene	ug/m3	210	1.1		02/18/09	XC
Trichlorofluoromethane	ug/m3	1400	1.2		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	1.6		02/18/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	1.0		02/18/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	1.0		02/18/09	XC
Vinyl Acetate	ug/m3	ND	0.72		02/18/09	XC
Vinyl Chloride	ug/m3	370	0.52		02/18/09	XC
m/p-Xylene	ug/m3	ND	1.8		02/18/09	XC
o-Xylene	ug/m3	ND	0.88		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 17 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021109

Sample ID : *09B04212

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	13	1.0		02/18/09	XC
Benzene	PPBv	2.3	1.0		02/18/09	XC
Benzyl Chloride	PPBv	ND	1.0		02/18/09	XC
Bromodichloromethane	PPBv	ND	1.0		02/18/09	XC
Bromoform	PPBv	ND	1.0		02/18/09	XC
Bromomethane	PPBv	ND	1.0		02/18/09	XC
1,3-Butadiene	PPBv	ND	1.0		02/18/09	XC
2-Butanone (MEK)	PPBv	11	1.0		02/18/09	XC
Carbon Disulfide	PPBv	20	1.0		02/18/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		02/18/09	XC
Chlorobenzene	PPBv	ND	1.0		02/18/09	XC
Chlorodibromomethane	PPBv	ND	1.0		02/18/09	XC
Chloroethane	PPBv	630	1.0		02/18/09	XC
Chloroform	PPBv	3.5	1.0		02/18/09	XC
Chloromethane	PPBv	ND	1.0		02/18/09	XC
Cyclohexane	PPBv	ND	1.0		02/18/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		02/18/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		02/18/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		02/18/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		02/18/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		02/18/09	XC
1,1-Dichloroethane	PPBv	1900	1.0		02/18/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		02/18/09	XC
1,1-Dichloroethylene	PPBv	450	1.0		02/18/09	XC
cis-1,2-Dichloroethylene	PPBv	1200	1.0		02/18/09	XC
t-1,2-Dichloroethylene	PPBv	15	1.0		02/18/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		02/18/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/18/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/18/09	XC
Ethanol	PPBv	43	1.0		02/18/09	XC
Ethyl Acetate	PPBv	ND	1.0		02/18/09	XC
Ethylbenzene	PPBv	ND	1.0		02/18/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		02/18/09	XC
n-Heptane	PPBv	ND	1.0		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 18 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021109

Sample ID : *09B04212

‡Sampled : 2/11/2009

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		02/18/09	XC
Hexane	PPBv	1.4	1.0		02/18/09	XC
2-Hexanone	PPBv	ND	1.0		02/18/09	XC
Isopropanol	PPBv	ND	1.0		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/18/09	XC
Methylene Chloride	PPBv	ND	2.0		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/18/09	XC
Propene	PPBv	61	1.0		02/18/09	XC
Styrene	PPBv	ND	1.0		02/18/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/18/09	XC
Tetrachloroethylene	PPBv	8.8	1.0		02/18/09	XC
Tetrahydrofuran	PPBv	26	1.0		02/18/09	XC
Toluene	PPBv	ND	1.0		02/18/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/18/09	XC
1,1,1-Trichloroethane	PPBv	17000	1.0		02/18/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		02/18/09	XC
Trichloroethylene	PPBv	3100	1.0		02/18/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	410	1.0		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/18/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/18/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/18/09	XC
Vinyl Acetate	PPBv	ND	1.0		02/18/09	XC
Vinyl Chloride	PPBv	7.8	1.0		02/18/09	XC
m/p-Xylene	PPBv	ND	2.0		02/18/09	XC
o-Xylene	PPBv	ND	1.0		02/18/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	31	2.4		02/18/09	XC
Benzene	ug/m3	7.3	3.2		02/18/09	XC
Benzyl Chloride	ug/m3	ND	5.2		02/18/09	XC
Bromodichloromethane	ug/m3	ND	6.6		02/18/09	XC
Bromoform	ug/m3	ND	11		02/18/09	XC
Bromomethane	ug/m3	ND	3.8		02/18/09	XC
1,3-Butadiene	ug/m3	ND	2.2		02/18/09	XC
2-Butanone (MEK)	ug/m3	32	3.0		02/18/09	XC
Carbon Disulfide	ug/m3	63	3.2		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 19 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021109

Sample ID : *09B04212

‡Sampled : 2/11/2009

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		02/18/09	XC
Chlorobenzene	ug/m3	ND	4.6		02/18/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		02/18/09	XC
Chloroethane	ug/m3	1700	2.6		02/18/09	XC
Chloroform	ug/m3	17	4.8		02/18/09	XC
Chloromethane	ug/m3	ND	2.0		02/18/09	XC
Cyclohexane	ug/m3	ND	3.4		02/18/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		02/18/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/18/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/18/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/18/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		02/18/09	XC
1,1-Dichloroethane	ug/m3	7800	4.0		02/18/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		02/18/09	XC
1,1-Dichloroethylene	ug/m3	1800	4.0		02/18/09	XC
cis-1,2-Dichloroethylene	ug/m3	4700	4.0		02/18/09	XC
t-1,2-Dichloroethylene	ug/m3	61	4.0		02/18/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		02/18/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/18/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/18/09	XC
Ethanol	ug/m3	81	1.8		02/18/09	XC
Ethyl Acetate	ug/m3	ND	3.6		02/18/09	XC
Ethylbenzene	ug/m3	ND	4.4		02/18/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		02/18/09	XC
n-Heptane	ug/m3	ND	4.0		02/18/09	XC
Hexachlorobutadiene	ug/m3	ND	22		02/18/09	XC
Hexane	ug/m3	4.9	3.6		02/18/09	XC
2-Hexanone	ug/m3	ND	4.0		02/18/09	XC
Isopropanol	ug/m3	ND	2.4		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/18/09	XC
Methylene Chloride	ug/m3	ND	7.0		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/18/09	XC
Propene	ug/m3	100	1.8		02/18/09	XC
Styrene	ug/m3	ND	4.2		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 20 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021109

Sample ID : *09B04212

‡Sampled : 2/11/2009

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		02/18/09	XC
Tetrachloroethylene	ug/m3	60	6.8		02/18/09	XC
Tetrahydrofuran	ug/m3	77	3.0		02/18/09	XC
Toluene	ug/m3	ND	3.8		02/18/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/18/09	XC
1,1,1-Trichloroethane	ug/m3	91000	5.4		02/18/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/18/09	XC
Trichloroethylene	ug/m3	17000	5.4		02/18/09	XC
Trichlorofluoromethane	ug/m3	2300	5.6		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/18/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/18/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/18/09	XC
Vinyl Acetate	ug/m3	ND	3.6		02/18/09	XC
Vinyl Chloride	ug/m3	20	2.6		02/18/09	XC
m/p-Xylene	ug/m3	ND	8.6		02/18/09	XC
o-Xylene	ug/m3	ND	4.4		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 21 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-1-021109

Sample ID : *09B04203

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.8	0.05		02/17/09	XC
Benzene	PPBv	0.58	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	0.15	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	2.0	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	0.16	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.66	0.05		02/17/09	XC
Cyclohexane	PPBv	0.14	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	0.26	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	7.5	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.15	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.14	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 22 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-1-021109

Sample ID : *09B04203

‡Sampled : 2/11/2009

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		02/17/09	XC
Hexane	PPBv	0.34	0.05		02/17/09	XC
2-Hexanone	PPBv	0.15	0.05		02/17/09	XC
Isopropanol	PPBv	2.2	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	0.65	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.10	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	0.05	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.63	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	0.43	0.05		02/17/09	XC
Toluene	PPBv	1.1	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	0.19	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	0.31	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.29	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.14	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	0.08	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.48	0.10		02/17/09	XC
o-Xylene	PPBv	0.18	0.05		02/17/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	19	0.12		02/17/09	XC
Benzene	ug/m3	1.9	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	0.34	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	5.8	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 23 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-1-021109

Sample ID : *09B04203

‡Sampled : 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	0.42	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.4	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.49	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.0	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	14	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.66	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.59	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	1.2	0.18		02/17/09	XC
2-Hexanone	ug/m3	0.60	0.20		02/17/09	XC
Isopropanol	ug/m3	5.3	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	2.3	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.43	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	0.21	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 24 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-1-021109

Sample ID : *09B04203

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	4.2	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	1.3	0.15		02/17/09	XC
Toluene	ug/m3	4.0	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	1.1	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	1.6	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.47	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.70	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	0.22	0.13		02/17/09	XC
m/p-Xylene	ug/m3	2.1	0.43		02/17/09	XC
o-Xylene	ug/m3	0.76	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 25 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-2-021109

Sample ID : *09B04204

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.7	0.05		02/17/09	XC
Benzene	PPBv	0.58	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	0.14	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	1.6	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	0.16	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.62	0.05		02/17/09	XC
Cyclohexane	PPBv	0.13	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.53	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	0.27	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	6.5	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.15	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.14	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

2/19/2009
 Page 26 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Field Sample # : IA-2-021109

Sample ID : *09B04204 ‡Sampled : 2/11/2009
 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		02/17/09	XC
Hexane	PPBv	0.36	0.05		02/17/09	XC
2-Hexanone	PPBv	0.08	0.05		02/17/09	XC
Isopropanol	PPBv	1.8	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	1.2	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.08	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	ND	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.62	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	0.40	0.05		02/17/09	XC
Toluene	PPBv	1.1	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	0.19	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	0.30	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.31	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.14	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	0.05	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	0.07	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.46	0.10		02/17/09	XC
o-Xylene	PPBv	0.18	0.05		02/17/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	14	0.12		02/17/09	XC
Benzene	ug/m3	1.8	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	0.30	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	4.6	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 27 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-2-021109

Sample ID : *09B04204

‡Sampled : 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	0.42	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.3	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.44	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.1	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	12	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.65	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.58	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	1.3	0.18		02/17/09	XC
2-Hexanone	ug/m3	0.35	0.20		02/17/09	XC
Isopropanol	ug/m3	4.5	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	4.0	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.35	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	ND	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 28 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-2-021109

Sample ID : *09B04204

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	4.2	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	1.2	0.15		02/17/09	XC
Toluene	ug/m3	4.0	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	1.1	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	1.6	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.49	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.70	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	0.25	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	0.18	0.13		02/17/09	XC
m/p-Xylene	ug/m3	2.0	0.43		02/17/09	XC
o-Xylene	ug/m3	0.76	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 29 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-3-021109

Sample ID : *09B04206

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.0	0.05		02/17/09	XC
Benzene	PPBv	0.58	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	0.14	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	1.6	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	0.16	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.57	0.05		02/17/09	XC
Cyclohexane	PPBv	0.13	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.51	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	0.28	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	6.7	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.15	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.15	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

2/19/2009
 Page 30 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Field Sample # : IA-3-021109

Sample ID : *09B04206 ‡Sampled : 2/11/2009
 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		02/17/09	XC
Hexane	PPBv	0.37	0.05		02/17/09	XC
2-Hexanone	PPBv	0.08	0.05		02/17/09	XC
Isopropanol	PPBv	2.2	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	0.90	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.07	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	ND	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.63	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	0.44	0.05		02/17/09	XC
Toluene	PPBv	1.2	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	0.20	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	0.31	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.32	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.14	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	0.08	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.47	0.10		02/17/09	XC
o-Xylene	PPBv	0.18	0.05		02/17/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	17	0.12		02/17/09	XC
Benzene	ug/m3	1.9	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	0.30	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	4.6	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 31 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : IA-3-021109

Sample ID : *09B04206

‡Sampled : 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	0.43	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.2	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.46	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.5	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.1	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	13	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.64	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.61	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	1.3	0.18		02/17/09	XC
2-Hexanone	ug/m3	0.33	0.20		02/17/09	XC
Isopropanol	ug/m3	5.5	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	3.1	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.29	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	ND	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 32 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-3-021109

Sample ID : *09B04206

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	4.3	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	1.3	0.15		02/17/09	XC
Toluene	ug/m3	4.7	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	1.1	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	1.7	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.8	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.49	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.68	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	0.19	0.13		02/17/09	XC
m/p-Xylene	ug/m3	2.0	0.43		02/17/09	XC
o-Xylene	ug/m3	0.79	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 33 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample #: IA-4-021109

Sample ID: *09B04205

‡Sampled: 2/11/2009

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		02/17/09	XC
Benzene	PPBv	0.57	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	0.15	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	2.0	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	0.16	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.68	0.05		02/17/09	XC
Cyclohexane	PPBv	0.13	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.50	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	0.28	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	6.5	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.15	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.14	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 34 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-4-021109

Sample ID : *09B04205

‡Sampled : 2/11/2009

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		02/17/09	XC
Hexane	PPBv	0.33	0.05		02/17/09	XC
2-Hexanone	PPBv	0.18	0.05		02/17/09	XC
Isopropanol	PPBv	1.9	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	0.48	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.10	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	0.05	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.65	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	0.44	0.05		02/17/09	XC
Toluene	PPBv	1.1	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	0.20	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	0.31	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.29	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.15	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	0.08	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.47	0.10		02/17/09	XC
o-Xylene	PPBv	0.18	0.05		02/17/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	15	0.12		02/17/09	XC
Benzene	ug/m3	1.8	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	0.33	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	6.0	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 35 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-4-021109

Sample ID : *09B04205

‡Sampled : 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	0.41	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.4	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.44	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.5	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.1	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	12	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.65	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.58	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	1.2	0.18		02/17/09	XC
2-Hexanone	ug/m3	0.73	0.20		02/17/09	XC
Isopropanol	ug/m3	4.7	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	1.7	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.43	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	0.22	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 36 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-4-021109

Sample ID : *09B04205

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	4.4	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	1.3	0.15		02/17/09	XC
Toluene	ug/m3	4.3	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	1.1	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	1.7	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.6	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.51	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.74	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	0.20	0.13		02/17/09	XC
m/p-Xylene	ug/m3	2.1	0.43		02/17/09	XC
o-Xylene	ug/m3	0.78	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 37 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample #: IA-5-021109

Sample ID: *09B04207

‡Sampled: 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	8.9	0.05		02/17/09	XC
Benzene	PPBv	0.31	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	ND	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	0.92	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	ND	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.73	0.05		02/17/09	XC
Cyclohexane	PPBv	0.11	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.50	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	12	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.08	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.09	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

2/19/2009
 Page 38 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Field Sample # : IA-5-021109

Sample ID : *09B04207 ‡Sampled : 2/11/2009
 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		02/17/09	XC
Hexane	PPBv	0.32	0.05		02/17/09	XC
2-Hexanone	PPBv	0.09	0.05		02/17/09	XC
Isopropanol	PPBv	240	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	1.5	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	ND	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.06	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	ND	0.05		02/17/09	XC
Toluene	PPBv	0.80	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	ND	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.31	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	ND	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.21	0.10		02/17/09	XC
o-Xylene	PPBv	0.08	0.05		02/17/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	21	0.12		02/17/09	XC
Benzene	ug/m3	0.99	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	ND	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	2.7	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 39 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : IA-5-021109

Sample ID : *09B04207

‡Sampled : 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	ND	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.5	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.38	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.5	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	23	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.33	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.36	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	1.1	0.18		02/17/09	XC
2-Hexanone	ug/m3	0.38	0.20		02/17/09	XC
Isopropanol	ug/m3	580	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	5.2	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	ND	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 40 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-5-021109

Sample ID : *09B04207

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	0.43	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		02/17/09	XC
Toluene	ug/m3	3.0	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	ND	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.33	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/17/09	XC
m/p-Xylene	ug/m3	0.91	0.43		02/17/09	XC
o-Xylene	ug/m3	0.35	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 41 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-6-021109

Sample ID : *09B04208

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.7	0.05		02/17/09	XC
Benzene	PPBv	0.31	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	ND	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	1.1	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	ND	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.70	0.05		02/17/09	XC
Cyclohexane	PPBv	0.07	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.54	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	6.3	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.08	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.08	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

2/19/2009
 Page 42 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Field Sample # : IA-6-021109

Sample ID : *09B04208 ‡Sampled : 2/11/2009
 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		02/17/09	XC
Hexane	PPBv	0.20	0.05		02/17/09	XC
2-Hexanone	PPBv	0.09	0.05		02/17/09	XC
Isopropanol	PPBv	1.3	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	0.17	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	ND	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.07	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	0.11	0.05		02/17/09	XC
Toluene	PPBv	0.66	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	ND	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.31	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.06	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	ND	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.19	0.10		02/17/09	XC
o-Xylene	PPBv	0.08	0.05		02/17/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	14	0.12		02/17/09	XC
Benzene	ug/m3	0.98	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	ND	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	3.2	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 43 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-6-021109

Sample ID : *09B04208

‡Sampled : 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	ND	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.4	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.25	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	12	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.33	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.32	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	0.70	0.18		02/17/09	XC
2-Hexanone	ug/m3	0.37	0.20		02/17/09	XC
Isopropanol	ug/m3	3.2	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	0.59	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	ND	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 44 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-6-021109

Sample ID : *09B04208

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	0.45	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	0.32	0.15		02/17/09	XC
Toluene	ug/m3	2.5	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	ND	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.29	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/17/09	XC
m/p-Xylene	ug/m3	0.84	0.43		02/17/09	XC
o-Xylene	ug/m3	0.34	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 45 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-7-021109

Sample ID : *09B04209

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.4	0.05		02/17/09	XC
Benzene	PPBv	0.35	0.05		02/17/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/17/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/17/09	XC
Bromoform	PPBv	ND	0.05		02/17/09	XC
Bromomethane	PPBv	ND	0.05		02/17/09	XC
1,3-Butadiene	PPBv	0.06	0.05		02/17/09	XC
2-Butanone (MEK)	PPBv	1.3	0.05		02/17/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/17/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		02/17/09	XC
Chlorobenzene	PPBv	ND	0.05		02/17/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/17/09	XC
Chloroethane	PPBv	ND	0.05		02/17/09	XC
Chloroform	PPBv	ND	0.05		02/17/09	XC
Chloromethane	PPBv	0.70	0.05		02/17/09	XC
Cyclohexane	PPBv	0.09	0.05		02/17/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/17/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		02/17/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/17/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/17/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/17/09	XC
Ethanol	PPBv	6.0	0.05		02/17/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/17/09	XC
Ethylbenzene	PPBv	0.08	0.05		02/17/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/17/09	XC
n-Heptane	PPBv	0.09	0.05		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

2/19/2009
 Page 46 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Field Sample # : IA-7-021109

Sample ID : *09B04209 ‡Sampled : 2/11/2009
 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		02/17/09	XC
Hexane	PPBv	0.26	0.05		02/17/09	XC
2-Hexanone	PPBv	ND	0.05		02/17/09	XC
Isopropanol	PPBv	1.4	0.05		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/17/09	XC
Methylene Chloride	PPBv	0.26	0.05		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/17/09	XC
Propene	PPBv	ND	0.05		02/17/09	XC
Styrene	PPBv	ND	0.05		02/17/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/17/09	XC
Tetrachloroethylene	PPBv	0.10	0.05		02/17/09	XC
Tetrahydrofuran	PPBv	0.25	0.05		02/17/09	XC
Toluene	PPBv	0.72	0.05		02/17/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/17/09	XC
1,1,1-Trichloroethane	PPBv	0.07	0.05		02/17/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/17/09	XC
Trichloroethylene	PPBv	0.05	0.05		02/17/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.30	0.05		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/17/09	XC
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		02/17/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/17/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/17/09	XC
Vinyl Chloride	PPBv	ND	0.05		02/17/09	XC
m/p-Xylene	PPBv	0.22	0.10		02/17/09	XC
o-Xylene	PPBv	0.09	0.05		02/17/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	13	0.12		02/17/09	XC
Benzene	ug/m3	1.1	0.16		02/17/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/17/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/17/09	XC
Bromoform	ug/m3	ND	0.51		02/17/09	XC
Bromomethane	ug/m3	ND	0.19		02/17/09	XC
1,3-Butadiene	ug/m3	0.14	0.11		02/17/09	XC
2-Butanone (MEK)	ug/m3	3.9	0.15		02/17/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 47 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample #: IA-7-021109

Sample ID: *09B04209

‡Sampled: 2/11/2009

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		02/17/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/17/09	XC
Chloroethane	ug/m3	ND	0.13		02/17/09	XC
Chloroform	ug/m3	ND	0.24		02/17/09	XC
Chloromethane	ug/m3	1.4	0.10		02/17/09	XC
Cyclohexane	ug/m3	0.32	0.17		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/17/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		02/17/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/17/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/17/09	XC
Ethanol	ug/m3	11	0.09		02/17/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Ethylbenzene	ug/m3	0.36	0.22		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/17/09	XC
n-Heptane	ug/m3	0.37	0.20		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/17/09	XC
Hexane	ug/m3	0.91	0.18		02/17/09	XC
2-Hexanone	ug/m3	ND	0.20		02/17/09	XC
Isopropanol	ug/m3	3.6	0.12		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/17/09	XC
Methylene Chloride	ug/m3	0.92	0.17		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/17/09	XC
Propene	ug/m3	ND	0.09		02/17/09	XC
Styrene	ug/m3	ND	0.21		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 48 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : IA-7-021109

Sample ID : *09B04209

‡Sampled : 2/11/2009

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		02/17/09	XC
Tetrachloroethylene	ug/m3	0.65	0.34		02/17/09	XC
Tetrahydrofuran	ug/m3	0.74	0.15		02/17/09	XC
Toluene	ug/m3	2.7	0.19		02/17/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/17/09	XC
1,1,1-Trichloroethane	ug/m3	0.40	0.27		02/17/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/17/09	XC
Trichloroethylene	ug/m3	0.28	0.27		02/17/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		02/17/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.47	0.38		02/17/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.34	0.25		02/17/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/17/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/17/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/17/09	XC
m/p-Xylene	ug/m3	0.94	0.43		02/17/09	XC
o-Xylene	ug/m3	0.39	0.22		02/17/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 49 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : POST CARBON-021109

Sample ID : *09B04211

‡Sampled : 2/11/2009

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	0.25		02/18/09	XC
Benzene	PPBv	ND	0.25		02/18/09	XC
Benzyl Chloride	PPBv	ND	0.25		02/18/09	XC
Bromodichloromethane	PPBv	ND	0.25		02/18/09	XC
Bromoform	PPBv	ND	0.25		02/18/09	XC
Bromomethane	PPBv	ND	0.25		02/18/09	XC
1,3-Butadiene	PPBv	ND	0.25		02/18/09	XC
2-Butanone (MEK)	PPBv	2.1	0.25		02/18/09	XC
Carbon Disulfide	PPBv	ND	0.25		02/18/09	XC
Carbon Tetrachloride	PPBv	ND	0.25		02/18/09	XC
Chlorobenzene	PPBv	ND	0.25		02/18/09	XC
Chlorodibromomethane	PPBv	ND	0.25		02/18/09	XC
Chloroethane	PPBv	1900	0.25		02/18/09	XC
Chloroform	PPBv	ND	0.25		02/18/09	XC
Chloromethane	PPBv	ND	0.25		02/18/09	XC
Cyclohexane	PPBv	ND	0.25		02/18/09	XC
1,2-Dibromoethane	PPBv	ND	0.25		02/18/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.25		02/18/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.25		02/18/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.25		02/18/09	XC
Dichlorodifluoromethane	PPBv	0.84	0.25		02/18/09	XC
1,1-Dichloroethane	PPBv	ND	0.25		02/18/09	XC
1,2-Dichloroethane	PPBv	ND	0.25		02/18/09	XC
1,1-Dichloroethylene	PPBv	ND	0.25		02/18/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.25		02/18/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.25		02/18/09	XC
1,2-Dichloropropane	PPBv	ND	0.25		02/18/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.25		02/18/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.25		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.25		02/18/09	XC
Ethanol	PPBv	19	0.25		02/18/09	XC
Ethyl Acetate	PPBv	ND	0.25		02/18/09	XC
Ethylbenzene	PPBv	ND	0.25		02/18/09	XC
4-Ethyl Toluene	PPBv	ND	0.25		02/18/09	XC
n-Heptane	PPBv	ND	0.25		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 50 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : POST CARBON-021109

Sample ID : *09B04211

‡Sampled : 2/11/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.50		02/18/09	XC
Hexane	PPBv	ND	0.25		02/18/09	XC
2-Hexanone	PPBv	ND	0.25		02/18/09	XC
Isopropanol	PPBv	1.2	0.25		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.25		02/18/09	XC
Methylene Chloride	PPBv	22	0.25		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.25		02/18/09	XC
Propene	PPBv	57	0.25		02/18/09	XC
Styrene	PPBv	ND	0.25		02/18/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.25		02/18/09	XC
Tetrachloroethylene	PPBv	ND	0.25		02/18/09	XC
Tetrahydrofuran	PPBv	7.3	0.25		02/18/09	XC
Toluene	PPBv	ND	0.25		02/18/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.25		02/18/09	XC
1,1,1-Trichloroethane	PPBv	2.7	0.25		02/18/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.25		02/18/09	XC
Trichloroethylene	PPBv	2.0	0.25		02/18/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	ND	0.25		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.25		02/18/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.25		02/18/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.25		02/18/09	XC
Vinyl Acetate	PPBv	ND	0.25		02/18/09	XC
Vinyl Chloride	PPBv	12	0.25		02/18/09	XC
m/p-Xylene	PPBv	ND	0.50		02/18/09	XC
o-Xylene	PPBv	ND	0.25		02/18/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	11	0.60		02/18/09	XC
Benzene	ug/m3	ND	0.80		02/18/09	XC
Benzyl Chloride	ug/m3	ND	1.3		02/18/09	XC
Bromodichloromethane	ug/m3	ND	1.7		02/18/09	XC
Bromoform	ug/m3	ND	2.6		02/18/09	XC
Bromomethane	ug/m3	ND	0.95		02/18/09	XC
1,3-Butadiene	ug/m3	ND	0.55		02/18/09	XC
2-Butanone (MEK)	ug/m3	6.3	0.75		02/18/09	XC
Carbon Disulfide	ug/m3	ND	0.80		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

Page 51 of 55

Purchase Order No.: 200902529

Project Number: 3650080114.11

Project Location: GORHAM-PROVIDENCE-RI

LIMS-BAT #: LIMIT-23290

Date Received: 2/12/2009

Job Number: 3650080114.11

Field Sample # : POST CARBON-021109

Sample ID : *09B04211

‡Sampled : 2/11/2009

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	1.6		02/18/09	XC
Chlorobenzene	ug/m3	ND	1.2		02/18/09	XC
Chlorodibromomethane	ug/m3	ND	2.2		02/18/09	XC
Chloroethane	ug/m3	5100	0.65		02/18/09	XC
Chloroform	ug/m3	ND	1.2		02/18/09	XC
Chloromethane	ug/m3	ND	0.50		02/18/09	XC
Cyclohexane	ug/m3	ND	0.85		02/18/09	XC
1,2-Dibromoethane	ug/m3	ND	1.9		02/18/09	XC
1,2-Dichlorobenzene	ug/m3	ND	1.5		02/18/09	XC
1,3-Dichlorobenzene	ug/m3	ND	1.5		02/18/09	XC
1,4-Dichlorobenzene	ug/m3	ND	1.5		02/18/09	XC
Dichlorodifluoromethane	ug/m3	4.1	1.3		02/18/09	XC
1,1-Dichloroethane	ug/m3	ND	1.0		02/18/09	XC
1,2-Dichloroethane	ug/m3	ND	1.0		02/18/09	XC
1,1-Dichloroethylene	ug/m3	ND	1.0		02/18/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	1.0		02/18/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	1.0		02/18/09	XC
1,2-Dichloropropane	ug/m3	ND	1.2		02/18/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	1.1		02/18/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	1.1		02/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	1.8		02/18/09	XC
Ethanol	ug/m3	36	0.45		02/18/09	XC
Ethyl Acetate	ug/m3	ND	0.90		02/18/09	XC
Ethylbenzene	ug/m3	ND	1.1		02/18/09	XC
4-Ethyl Toluene	ug/m3	ND	1.3		02/18/09	XC
n-Heptane	ug/m3	ND	1.0		02/18/09	XC
Hexachlorobutadiene	ug/m3	ND	5.4		02/18/09	XC
Hexane	ug/m3	ND	0.90		02/18/09	XC
2-Hexanone	ug/m3	ND	1.0		02/18/09	XC
Isopropanol	ug/m3	2.9	0.60		02/18/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.90		02/18/09	XC
Methylene Chloride	ug/m3	76	0.85		02/18/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	1.0		02/18/09	XC
Propene	ug/m3	98	0.45		02/18/09	XC
Styrene	ug/m3	ND	1.1		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 52 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Field Sample # : POST CARBON-021109

Sample ID : *09B04211

‡Sampled : 2/11/2009

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	1.7		02/18/09	XC
Tetrachloroethylene	ug/m3	ND	1.7		02/18/09	XC
Tetrahydrofuran	ug/m3	22	0.75		02/18/09	XC
Toluene	ug/m3	ND	0.95		02/18/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	1.9		02/18/09	XC
1,1,1-Trichloroethane	ug/m3	15	1.4		02/18/09	XC
1,1,2-Trichloroethane	ug/m3	ND	1.4		02/18/09	XC
Trichloroethylene	ug/m3	11	1.4		02/18/09	XC
Trichlorofluoromethane	ug/m3	ND	1.4		02/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	1.9		02/18/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	1.3		02/18/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	1.3		02/18/09	XC
Vinyl Acetate	ug/m3	ND	0.90		02/18/09	XC
Vinyl Chloride	ug/m3	30	0.65		02/18/09	XC
m/p-Xylene	ug/m3	ND	2.2		02/18/09	XC
o-Xylene	ug/m3	ND	1.1		02/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200902529

2/19/2009
 Page 53 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

The following notes were attached to the reported analysis :

Sample ID: * 09B04203

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Blank-129711

1,1,1,2-Tetrachloroethane	0.045	0.31	N.D.	N.D.
---------------------------	-------	------	------	------

Lfblank-91817

	True Value		Sample Results		Recovery %
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	2.0	14	108

Sample ID: * 09B04204

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B04205

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B04206

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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

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

2/19/2009
 Page 54 of 55

Project Location: GORHAM-PROVIDENCE-RI
 Date Received: 2/12/2009

Purchase Order No.: 200902529

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23290
 Job Number: 3650080114.11

Sample ID: * 09B04207

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B04207

Analysis: Isopropanol

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

Sample ID: * 09B04208

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B04209

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B04210

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B04211

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.46	3.1	N.D.	N.D.

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

CHUCK COLLET

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

Project Location: GORHAM-PROVIDENCE-RI
Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 55 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23290

Job Number: 3650080114.11

Sample ID: * 09B04212

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B04213

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B04214

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B04215

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.36	2.5	N.D.	N.D.

** 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



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

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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 1 of 9

QC Batch Number: BATCH-16065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04203	4-Bromofluorobenzene	Surrogate Recovery	99.12	%	70-130
09B04204	4-Bromofluorobenzene	Surrogate Recovery	100.37	%	70-130
09B04205	4-Bromofluorobenzene	Surrogate Recovery	101.50	%	70-130
09B04206	4-Bromofluorobenzene	Surrogate Recovery	100.62	%	70-130
09B04207	4-Bromofluorobenzene	Surrogate Recovery	100.37	%	70-130
09B04208	4-Bromofluorobenzene	Surrogate Recovery	99.75	%	70-130
09B04209	4-Bromofluorobenzene	Surrogate Recovery	100.00	%	70-130
09B04210	4-Bromofluorobenzene	Surrogate Recovery	99.25	%	70-130
09B04211	4-Bromofluorobenzene	Surrogate Recovery	100.12	%	70-130
09B04212	4-Bromofluorobenzene	Surrogate Recovery	98.75	%	70-130
09B04213	4-Bromofluorobenzene	Surrogate Recovery	99.25	%	70-130
09B04214	4-Bromofluorobenzene	Surrogate Recovery	99.37	%	70-130
09B04215	4-Bromofluorobenzene	Surrogate Recovery	101.00	%	70-130
BLANK-129711	Acetone	Blank	1.85	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	0.22	ug/m3	
	2-Butanone (MEK)	Blank	0.39	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	

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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 2 of 9

QC Batch Number: BATCH-16065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129711					
	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	0.58	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	0.22	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	<0.19	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.13	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.13	ug/m3	
	Cyclohexane	Blank	<0.09	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.10	ug/m3	
	1,2-Dichloropropane	Blank	<0.12	ug/m3	
	Dichlorodifluoromethane	Blank	<0.13	ug/m3	
	Benzyl Chloride	Blank	<0.13	ug/m3	
	Carbon Disulfide	Blank	<0.08	ug/m3	
	Vinyl Acetate	Blank	<0.09	ug/m3	
	2-Hexanone	Blank	<0.10	ug/m3	
	Bromodichloromethane	Blank	<0.17	ug/m3	
	1,2-Dibromoethane	Blank	<0.19	ug/m3	
	n-Heptane	Blank	<0.10	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.18	ug/m3	
	Tetrahydrofuran	Blank	<0.08	ug/m3	
	Propene	Blank	0.10	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	



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

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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 3 of 9

QC Batch Number: BATCH-16065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91817					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	11.13	ug/m3	
		Lab Fort Blk. % Rec.	93.76	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	14.70	ug/m3	
		Lab Fort Blk. % Rec.	92.20	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	34.34	ug/m3	
		Lab Fort Blk. % Rec.	109.20	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	21.60	ug/m3	
		Lab Fort Blk. % Rec.	88.80	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	19.38	ug/m3	
		Lab Fort Blk. % Rec.	95.76	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.70	ug/m3	
		Lab Fort Blk. % Rec.	118.78	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	14.95	ug/m3	
		Lab Fort Blk. % Rec.	83.02	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	21.64	ug/m3	
		Lab Fort Blk. % Rec.	99.84	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	15.43	ug/m3	
		Lab Fort Blk. % Rec.	87.60	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	15.60	ug/m3	
		Lab Fort Blk. % Rec.	126.98	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.46	ug/m3	
		Lab Fort Blk. % Rec.	84.56	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	23.35	ug/m3	
		Lab Fort Blk. % Rec.	114.00	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	21.97	ug/m3	
		Lab Fort Blk. % Rec.	103.32	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	31.55	ug/m3	
		Lab Fort Blk. % Rec.	93.07	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 4 of 9

QC Batch Number: BATCH-16065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91817					
	Toluene	Lab Fort Blk. Found	16.67	ug/m3	
		Lab Fort Blk. % Rec.	88.62	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	27.78	ug/m3	
		Lab Fort Blk. % Rec.	101.86	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	25.45	ug/m3	
		Lab Fort Blk. % Rec.	94.73	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	33.12	ug/m3	
		Lab Fort Blk. % Rec.	86.44	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	34.13	ug/m3	
		Lab Fort Blk. % Rec.	121.50	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	23.43	ug/m3	
		Lab Fort Blk. % Rec.	107.90	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	45.66	ug/m3	
		Lab Fort Blk. % Rec.	105.13	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	36.45	ug/m3	
		Lab Fort Blk. % Rec.	121.26	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.49	ug/m3	
		Lab Fort Blk. % Rec.	118.08	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.91	ug/m3	
		Lab Fort Blk. % Rec.	88.48	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.88	ug/m3	
		Lab Fort Blk. % Rec.	90.18	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	10.22	ug/m3	
		Lab Fort Blk. % Rec.	108.50	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.55	ug/m3	
		Lab Fort Blk. % Rec.	116.16	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	14.76	ug/m3	
		Lab Fort Blk. % Rec.	81.91	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.29	ug/m3	



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

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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 5 of 9

QC Batch Number: BATCH-16065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91817					
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	87.23	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	13.50	ug/m3	
		Lab Fort Blk. % Rec.	105.68	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	15.82	ug/m3	
		Lab Fort Blk. % Rec.	91.12	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.97	ug/m3	
		Lab Fort Blk. % Rec.	99.77	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.43	ug/m3	
		Lab Fort Blk. % Rec.	101.02	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	18.09	ug/m3	
		Lab Fort Blk. % Rec.	93.24	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	14.46	ug/m3	
		Lab Fort Blk. % Rec.	109.66	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	22.16	ug/m3	
		Lab Fort Blk. % Rec.	97.64	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	23.54	ug/m3	
		Lab Fort Blk. % Rec.	103.74	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	48.13	ug/m3	
		Lab Fort Blk. % Rec.	113.00	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	26.34	ug/m3	
		Lab Fort Blk. % Rec.	96.56	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	67.76	ug/m3	
		Lab Fort Blk. % Rec.	131.08	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	39.67	ug/m3	
		Lab Fort Blk. % Rec.	115.56	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	65.84	ug/m3	
		Lab Fort Blk. % Rec.	123.46	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	45.44	ug/m3	
		Lab Fort Blk. % Rec.	122.46	%	70-130



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

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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 6 of 9

QC Batch Number: BATCH-16065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91817					
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.73	ug/m3	
		Lab Fort Blk. % Rec.	116.88	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.17	ug/m3	
		Lab Fort Blk. % Rec.	114.64	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	15.11	ug/m3	
		Lab Fort Blk. % Rec.	87.81	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.64	ug/m3	
		Lab Fort Blk. % Rec.	89.01	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	22.00	ug/m3	
		Lab Fort Blk. % Rec.	95.23	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	23.91	ug/m3	
		Lab Fort Blk. % Rec.	96.73	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	35.06	ug/m3	
		Lab Fort Blk. % Rec.	135.46	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	12.74	ug/m3	
		Lab Fort Blk. % Rec.	81.83	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	15.64	ug/m3	
		Lab Fort Blk. % Rec.	88.86	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	23.20	ug/m3	
		Lab Fort Blk. % Rec.	113.28	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	36.73	ug/m3	
		Lab Fort Blk. % Rec.	109.66	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	37.86	ug/m3	
		Lab Fort Blk. % Rec.	98.54	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	20.25	ug/m3	
		Lab Fort Blk. % Rec.	98.85	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	33.03	ug/m3	
		Lab Fort Blk. % Rec.	94.50	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	



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

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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 7 of 9

QC Batch Number: BATCH-16065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91817	Tetrahydrofuran	Lab Fort Blk. Found	13.62	ug/m3	
		Lab Fort Blk. % Rec.	92.43	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	9.68	ug/m3	
	1,3-Butadiene	Lab Fort Blk. % Rec.	112.60	%	50-150
		Lab Fort Blank Amt.	11.06	ug/m3	
	1,3-Butadiene	Lab Fort Blk. Found	11.06	ug/m3	
		Lab Fort Blk. % Rec.	100.02	%	70-130



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

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: 2/19/2009

Lims Bat # : LIMIT-23290

Page 8 of 9

NOTES:

QC Batch No. : BATCH-16065
Sample ID : LFBLANK-91817
Analysis : Benzyl Chloride

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16065
Sample ID : LFBLANK-91817
Analysis : Bromoform

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH 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: 2/19/2009 Lims Bat #: LIMIT-23290 Page 9 of 9

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
 www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MATTEC ENGINEERING
 Address: 107 Avakian Rd
Watertown, MA 01880

Telephone: (413) 248 6606
 Project # 365080114
 Client PO # _____

LFMT-23290

Attention: Chuck Gilr

Project Location: Coakem Roadhouse RI

Sampled By: T Hanlon

Proposal Provided? (For Billing purposes)

yes _____ proposal date _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: CAQUITT@MATTEC.COM
 Format: EXCEL PDF GIS KEY OTHER Excel

Field ID	Sample Description	Media	Lab #	Date Time	Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min	Volume Liters or M ³	Matrix Code*	ANALYSIS REQUESTED	"Hg	Summa Canister ID	Flow Controller ID
IA-1-021109	D98042 D3	S	D3	021109/103	1132	30	0.2	6	IA	K	-30-52	1844	4081
IA-2-021109		S		021109/106	1136	30	0.2		IA	X	-24-51	1154	4079
IA-4-021109		S		021109/104	1124	30	0.2		IA	X	-24-54	1494	4082
IA-3-021109		S		021109/111	1141	30	0.2		IA	K	-24-3	1265	4094
IA-5-021109		S		021109/125	1323	28	0.2		IA	X	-24-4	1056	4072
IA-6-021109		S		021109/135	1335	30	0.2		IA	X	-24-5	1125	4078
IA-7-021109		S		021109/138	1338	30	0.2		IA	X	-24-4	1040	4071
EL-5-021109		S		021109/143	1506	30	0.2		IA	K	-24-5	1102	4087

CLIENT COMMENTS:

Turnaround **

7-Day
 10-Day
 Other _____

RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day

Approval Required

Special Requirements

Regulations: TAKESET INDOOR (Commercial)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: TAKESET INDOOR
 Other: Air Lock (Commercial)

Matrix Code:

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

Media Codes:

S=Summa can
 TB=ledlar bag
 P=PUF
 T=tube
 F=filter
 C=cassette
 O= Other

** TURNAROUND TIME STARTS AT 9:00 AM. 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

ANALYSIS REQUESTED
 TO-15 Lowlevel Scan
 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.



Phone: 413-525-2332 **AIR SAMPLE CHAIN OF CUSTODY RECORD** 39 SPRUCE ST EAST LONGMEADOW, MA 01028 Page 2 of 2
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

Company Name: MAKTEL
 Address: 107 Audubon Rd. Westfield, MA 01080
 Attention: Chuck Clark
 Project Location: Providence RI (Garbin STE)
 Sampled By: T Harlow
 Proposal Provided? (For Billing purposes) yes no

Telephone: (981) 245 6606
 Project # 85805014.11
 Client PO # _____
 LINT-23290

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: _____
 Email: ckclark@MAKTEL.COM
 Format: EXCEL PDF GIS KEY OTHER EXCEL

Field ID	Sample Description	Media	Lab #	Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	ANALYSIS REQUESTED		Please fill out completely, sign, date and retain the yellow copy for your record.
										"Hg	Lab	
PST	Cabin-021109	S	098042-11	021109/1421	1451	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.
	EW-Cabin-021109	S		021109/1422	1452	30	0.2	6	SG	X		
	AA-1-021109	S		021109/1510	1610	30	0.2	6	AMB	X		
	EW-6-021109	S		021109/1537	1607	30	0.2	6	SG	X		
	EW-7-021109	S		021109/1539	1604	30	0.2	6	SG	X		

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by (signature) _____ Date/Time: 2/18/09 1150
 Received by (signature) _____ Date/Time: 2-12-09 1150
 Relinquished by (signature) _____ Date/Time: _____
 Received by (signature) _____ Date/Time: 02/12/09 1800

Turnaround **
 7-Day 10-Day Other _____
 *24-Hr *48-Hr *72-Hr *4-Day

Special Requirements
 Regulations: CT TARGET INDOOR (Commercial)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: CT TARGET INDOOR (Surcharge Applies)
 Other: At Cont (Turnaround)

*Matrix Code: SG=SOIL GAS IA=INDOOR AIR AMB=AMBIENT SS=SUB SLAB D=DUP BL=BLANK O=other
 **Media Codes: S=Summa can TB=tedlar bag P=PUF T=tube F=filter C=cassette O=Other

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



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MACTEC
RECEIVED BY: KM DATE: 02/12/09

- 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: ACC

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

CONTAINERS SENT TO CON-TEST	# of containers
Summa cans	14
Tedlar Bags	
Regulators	
Restrictors	14
Tubes	
Other	

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

Laboratory comments: _____



FILE COPY

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

REPORT DATE 2/26/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200902529

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23445
JOB NUMBER: 3650080114.11

PROJECT LOCATION: GORHAM SITE-PROVIDENCE-RI

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-021809	09B05185	AIR	Not Specified	to-15 ppbv	
*AA-1-021809	09B05185	AIR	Not Specified	to-15 ug/m3	
*EW-5-021809	09B05186	AIR	Not Specified	to-15 ppbv	
*EW-5-021809	09B05186	AIR	Not Specified	to-15 ug/m3	
*EW-6-021809	09B05187	AIR	Not Specified	to-15 ppbv	
*EW-6-021809	09B05187	AIR	Not Specified	to-15 ug/m3	
*EW-7-021809	09B05188	AIR	Not Specified	to-15 ppbv	
*EW-7-021809	09B05188	AIR	Not Specified	to-15 ug/m3	
*EW-COMBINED-02	09B05189	AIR	Not Specified	to-15 ppbv	
*EW-COMBINED-02	09B05189	AIR	Not Specified	to-15 ug/m3	
*IA-1-021809	09B05178	AIR	Not Specified	to-15 ppbv	
*IA-1-021809	09B05178	AIR	Not Specified	to-15 ug/m3	
*IA-2-021809	09B05179	AIR	Not Specified	to-15 ppbv	
*IA-2-021809	09B05179	AIR	Not Specified	to-15 ug/m3	
*IA-3-021809	09B05180	AIR	Not Specified	to-15 ppbv	
*IA-3-021809	09B05180	AIR	Not Specified	to-15 ug/m3	
*IA-4-021809	09B05181	AIR	Not Specified	to-15 ppbv	
*IA-4-021809	09B05181	AIR	Not Specified	to-15 ug/m3	
*IA-5-021809	09B05182	AIR	Not Specified	to-15 ppbv	
*IA-5-021809	09B05182	AIR	Not Specified	to-15 ug/m3	
*IA-6-021809	09B05183	AIR	Not Specified	to-15 ppbv	
*IA-6-021809	09B05183	AIR	Not Specified	to-15 ug/m3	
*IA-7-021809	09B05184	AIR	Not Specified	to-15 ppbv	
*IA-7-021809	09B05184	AIR	Not Specified	to-15 ug/m3	
*POST CARBON-02	09B05190	AIR	Not Specified	to-15 ppbv	
*POST CARBON-02	09B05190	AIR	Not Specified	to-15 ug/m3	

CHECKED FOR COMPLETENESS
OF PARAMETERS ORDERED BY:



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

REPORT DATE 2/26/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200902529

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23445
JOB NUMBER: 3650080114.11

Comments :

LIMS BATCH NO. : LIMIT-23445

CASE NARRATIVE SUMMARY

In method TO-15, method blank-129924 contained Acetone at 1.0 ppbv = 2.4 ug/m3, Vinyl Acetate at 0.10 ppbv = 0.38 ug/m3, Ethanol at 0.31 ppbv = 0.60 ug/m3 and 2-Butanone(MEK) at 0.10 ppbv = 0.30 ug/m3.

In method TO-15, for sample 09B05182, reported result for Ethanol is estimated. Value is reported over the verified linear calibration range.

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). Lists various samples (09B05178 to 09B05190 and blank-129924) and their corresponding dilutions and detected compounds.

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

In method TO-15, data is not affected by laboratory fortified blank recovery outliers for Bromoform and Benzyl Chloride since all results are "not detected" and recovery bias is on the high side.

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



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

REPORT DATE 2/26/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200902529

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23445

JOB NUMBER: 3650080114.11

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.

Edward Denson 2/26/09

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

SIGNATURE

DATE

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 1 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : AA-1-021809

Sample ID : *09B05185

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	9.4	0.05		02/24/09	XC
Benzene	PPBv	1.5	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.58	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	1.1	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.72	0.05		02/24/09	XC
Cyclohexane	PPBv	0.31	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	0.09	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.55	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	25	0.05		02/24/09	XC
Ethyl Acetate	PPBv	0.09	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.47	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	0.12	0.05		02/24/09	XC
n-Heptane	PPBv	0.40	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

2/26/2009

Page 3 of 55

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample #: AA-1-021809

Sample ID: *09B05185

‡Sampled: 2/18/2009

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	0.56	0.31		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.5	0.10		02/24/09	XC
Cyclohexane	ug/m3	1.1	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	0.53	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	47	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	0.31	0.18		02/24/09	XC
Ethylbenzene	ug/m3	2.0	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	0.60	0.25		02/24/09	XC
n-Heptane	ug/m3	1.6	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	2.9	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.35	0.20		02/24/09	XC
Isopropanol	ug/m3	4.3	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	1.5	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.63	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	0.28	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 4 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : AA-1-021809

Sample ID : *09B05185

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	0.77	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		02/24/09	XC
Toluene	ug/m3	14	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	0.39	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	2.4	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.47	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	1.8	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	0.50	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/24/09	XC
m/p-Xylene	ug/m3	6.4	0.43		02/24/09	XC
o-Xylene	ug/m3	2.2	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 5 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-5-021809

Sample ID : *09B05186

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	22	1.0		02/25/09	XC
Benzene	PPBv	1.9	1.0		02/25/09	XC
Benzyl Chloride	PPBv	ND	1.0		02/25/09	XC
Bromodichloromethane	PPBv	ND	1.0		02/25/09	XC
Bromoform	PPBv	ND	1.0		02/25/09	XC
Bromomethane	PPBv	ND	1.0		02/25/09	XC
1,3-Butadiene	PPBv	ND	1.0		02/25/09	XC
2-Butanone (MEK)	PPBv	25	1.0		02/25/09	XC
Carbon Disulfide	PPBv	ND	1.0		02/25/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		02/25/09	XC
Chlorobenzene	PPBv	ND	1.0		02/25/09	XC
Chlorodibromomethane	PPBv	ND	1.0		02/25/09	XC
Chloroethane	PPBv	6.0	1.0		02/25/09	XC
Chloroform	PPBv	4.1	1.0		02/25/09	XC
Chloromethane	PPBv	ND	1.0		02/25/09	XC
Cyclohexane	PPBv	ND	1.0		02/25/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		02/25/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		02/25/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		02/25/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		02/25/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		02/25/09	XC
1,1-Dichloroethane	PPBv	220	1.0		02/25/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		02/25/09	XC
1,1-Dichloroethylene	PPBv	33	1.0		02/25/09	XC
cis-1,2-Dichloroethylene	PPBv	100	1.0		02/25/09	XC
t-1,2-Dichloroethylene	PPBv	ND	1.0		02/25/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		02/25/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/25/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/25/09	XC
Ethanol	PPBv	25	1.0		02/25/09	XC
Ethyl Acetate	PPBv	ND	1.0		02/25/09	XC
Ethylbenzene	PPBv	ND	1.0		02/25/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		02/25/09	XC
n-Heptane	PPBv	ND	1.0		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 6 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-5-021809

Sample ID : *09B05186

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	2.0		02/25/09	XC
Hexane	PPBv	ND	1.0		02/25/09	XC
2-Hexanone	PPBv	ND	1.0		02/25/09	XC
Isopropanol	PPBv	1.9	1.0		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/25/09	XC
Methylene Chloride	PPBv	2.8	1.0		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/25/09	XC
Propene	PPBv	ND	1.0		02/25/09	XC
Styrene	PPBv	ND	1.0		02/25/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/25/09	XC
Tetrachloroethylene	PPBv	28	1.0		02/25/09	XC
Tetrahydrofuran	PPBv	24	1.0		02/25/09	XC
Toluene	PPBv	ND	1.0		02/25/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/25/09	XC
1,1,1-Trichloroethane	PPBv	3100	1.0		02/25/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		02/25/09	XC
Trichloroethylene	PPBv	2500	1.0		02/25/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	21	1.0		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/25/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/25/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/25/09	XC
Vinyl Acetate	PPBv	ND	1.0		02/25/09	XC
Vinyl Chloride	PPBv	ND	1.0		02/25/09	XC
m/p-Xylene	PPBv	ND	2.0		02/25/09	XC
o-Xylene	PPBv	ND	1.0		02/25/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	52	2.4		02/25/09	XC
Benzene	ug/m3	6.2	3.2		02/25/09	XC
Benzyl Chloride	ug/m3	ND	5.2		02/25/09	XC
Bromodichloromethane	ug/m3	ND	6.6		02/25/09	XC
Bromoform	ug/m3	ND	11		02/25/09	XC
Bromomethane	ug/m3	ND	3.8		02/25/09	XC
1,3-Butadiene	ug/m3	ND	2.2		02/25/09	XC
2-Butanone (MEK)	ug/m3	75	3.0		02/25/09	XC
Carbon Disulfide	ug/m3	ND	3.2		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

2/26/2009

Page 7 of 55

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-5-021809

Sample ID : *09B05186

‡Sampled : 2/18/2009

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		02/25/09	XC
Chlorobenzene	ug/m3	ND	4.6		02/25/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		02/25/09	XC
Chloroethane	ug/m3	16	2.6		02/25/09	XC
Chloroform	ug/m3	20	4.8		02/25/09	XC
Chloromethane	ug/m3	ND	2.0		02/25/09	XC
Cyclohexane	ug/m3	ND	3.4		02/25/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		02/25/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/25/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/25/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/25/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		02/25/09	XC
1,1-Dichloroethane	ug/m3	890	4.0		02/25/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		02/25/09	XC
1,1-Dichloroethylene	ug/m3	130	4.0		02/25/09	XC
cis-1,2-Dichloroethylene	ug/m3	400	4.0		02/25/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	4.0		02/25/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		02/25/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/25/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/25/09	XC
Ethanol	ug/m3	46	1.8		02/25/09	XC
Ethyl Acetate	ug/m3	ND	3.6		02/25/09	XC
Ethylbenzene	ug/m3	ND	4.4		02/25/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		02/25/09	XC
n-Heptane	ug/m3	ND	4.0		02/25/09	XC
Hexachlorobutadiene	ug/m3	ND	22		02/25/09	XC
Hexane	ug/m3	ND	3.6		02/25/09	XC
2-Hexanone	ug/m3	ND	4.0		02/25/09	XC
Isopropanol	ug/m3	4.6	2.4		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/25/09	XC
Methylene Chloride	ug/m3	9.6	3.4		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/25/09	XC
Propene	ug/m3	ND	1.8		02/25/09	XC
Styrene	ug/m3	ND	4.2		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 8 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-5-021809

Sample ID : *09B05186

‡Sampled : 2/18/2009

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		02/25/09	XC
Tetrachloroethylene	ug/m3	190	6.8		02/25/09	XC
Tetrahydrofuran	ug/m3	69	3.0		02/25/09	XC
Toluene	ug/m3	ND	3.8		02/25/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/25/09	XC
1,1,1-Trichloroethane	ug/m3	17000	5.4		02/25/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/25/09	XC
Trichloroethylene	ug/m3	14000	5.4		02/25/09	XC
Trichlorofluoromethane	ug/m3	120	5.6		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/25/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/25/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/25/09	XC
Vinyl Acetate	ug/m3	ND	3.6		02/25/09	XC
Vinyl Chloride	ug/m3	ND	2.6		02/25/09	XC
m/p-Xylene	ug/m3	ND	8.6		02/25/09	XC
o-Xylene	ug/m3	ND	4.4		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 9 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-6-021809

Sample ID : *09B05187

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	34	1.0		02/25/09	XC
Benzene	PPBv	1.3	1.0		02/25/09	XC
Benzyl Chloride	PPBv	ND	1.0		02/25/09	XC
Bromodichloromethane	PPBv	ND	1.0		02/25/09	XC
Bromoform	PPBv	ND	1.0		02/25/09	XC
Bromomethane	PPBv	ND	1.0		02/25/09	XC
1,3-Butadiene	PPBv	ND	1.0		02/25/09	XC
2-Butanone (MEK)	PPBv	100	1.0		02/25/09	XC
Carbon Disulfide	PPBv	ND	1.0		02/25/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		02/25/09	XC
Chlorobenzene	PPBv	ND	1.0		02/25/09	XC
Chlorodibromomethane	PPBv	ND	1.0		02/25/09	XC
Chloroethane	PPBv	13	1.0		02/25/09	XC
Chloroform	PPBv	3.8	1.0		02/25/09	XC
Chloromethane	PPBv	ND	1.0		02/25/09	XC
Cyclohexane	PPBv	ND	1.0		02/25/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		02/25/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		02/25/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		02/25/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		02/25/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		02/25/09	XC
1,1-Dichloroethane	PPBv	520	1.0		02/25/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		02/25/09	XC
1,1-Dichloroethylene	PPBv	26	1.0		02/25/09	XC
cis-1,2-Dichloroethylene	PPBv	55	1.0		02/25/09	XC
t-1,2-Dichloroethylene	PPBv	1.1	1.0		02/25/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		02/25/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		02/25/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		02/25/09	XC
Ethanol	PPBv	39	1.0		02/25/09	XC
Ethyl Acetate	PPBv	ND	1.0		02/25/09	XC
Ethylbenzene	PPBv	ND	1.0		02/25/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		02/25/09	XC
n-Heptane	PPBv	ND	1.0		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 10 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-6-021809

Sample ID : *09B05187

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	2.0		02/25/09	XC
Hexane	PPBv	ND	1.0		02/25/09	XC
2-Hexanone	PPBv	ND	1.0		02/25/09	XC
Isopropanol	PPBv	13	1.0		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		02/25/09	XC
Methylene Chloride	PPBv	2.2	1.0		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		02/25/09	XC
Propene	PPBv	ND	1.0		02/25/09	XC
Styrene	PPBv	ND	1.0		02/25/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		02/25/09	XC
Tetrachloroethylene	PPBv	19	1.0		02/25/09	XC
Tetrahydrofuran	PPBv	89	1.0		02/25/09	XC
Toluene	PPBv	ND	1.0		02/25/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		02/25/09	XC
1,1,1-Trichloroethane	PPBv	3800	1.0		02/25/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		02/25/09	XC
Trichloroethylene	PPBv	780	1.0		02/25/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	110	1.0		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		02/25/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		02/25/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		02/25/09	XC
Vinyl Acetate	PPBv	ND	1.0		02/25/09	XC
Vinyl Chloride	PPBv	ND	1.0		02/25/09	XC
m/p-Xylene	PPBv	ND	2.0		02/25/09	XC
o-Xylene	PPBv	ND	1.0		02/25/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	81	2.4		02/25/09	XC
Benzene	ug/m3	4.1	3.2		02/25/09	XC
Benzyl Chloride	ug/m3	ND	5.2		02/25/09	XC
Bromodichloromethane	ug/m3	ND	6.6		02/25/09	XC
Bromoform	ug/m3	ND	11		02/25/09	XC
Bromomethane	ug/m3	ND	3.8		02/25/09	XC
1,3-Butadiene	ug/m3	ND	2.2		02/25/09	XC
2-Butanone (MEK)	ug/m3	300	3.0		02/25/09	XC
Carbon Disulfide	ug/m3	ND	3.2		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 11 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-6-021809

Sample ID : *09B05187

‡Sampled : 2/18/2009

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		02/25/09	XC
Chlorobenzene	ug/m3	ND	4.6		02/25/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		02/25/09	XC
Chloroethane	ug/m3	34	2.6		02/25/09	XC
Chloroform	ug/m3	19	4.8		02/25/09	XC
Chloromethane	ug/m3	ND	2.0		02/25/09	XC
Cyclohexane	ug/m3	ND	3.4		02/25/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		02/25/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/25/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/25/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/25/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		02/25/09	XC
1,1-Dichloroethane	ug/m3	2100	4.0		02/25/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		02/25/09	XC
1,1-Dichloroethylene	ug/m3	100	4.0		02/25/09	XC
cis-1,2-Dichloroethylene	ug/m3	220	4.0		02/25/09	XC
t-1,2-Dichloroethylene	ug/m3	4.2	4.0		02/25/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		02/25/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/25/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/25/09	XC
Ethanol	ug/m3	73	1.8		02/25/09	XC
Ethyl Acetate	ug/m3	ND	3.6		02/25/09	XC
Ethylbenzene	ug/m3	ND	4.4		02/25/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		02/25/09	XC
n-Heptane	ug/m3	ND	4.0		02/25/09	XC
Hexachlorobutadiene	ug/m3	ND	22		02/25/09	XC
Hexane	ug/m3	ND	3.6		02/25/09	XC
2-Hexanone	ug/m3	ND	4.0		02/25/09	XC
Isopropanol	ug/m3	33	2.4		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/25/09	XC
Methylene Chloride	ug/m3	7.5	3.4		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/25/09	XC
Propene	ug/m3	ND	1.8		02/25/09	XC
Styrene	ug/m3	ND	4.2		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 12 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-6-021809

Sample ID : *09B05187

‡Sampled : 2/18/2009

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		02/25/09	XC
Tetrachloroethylene	ug/m3	130	6.8		02/25/09	XC
Tetrahydrofuran	ug/m3	260	3.0		02/25/09	XC
Toluene	ug/m3	ND	3.8		02/25/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		02/25/09	XC
1,1,1-Trichloroethane	ug/m3	21000	5.4		02/25/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		02/25/09	XC
Trichloroethylene	ug/m3	4200	5.4		02/25/09	XC
Trichlorofluoromethane	ug/m3	630	5.6		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		02/25/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		02/25/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		02/25/09	XC
Vinyl Acetate	ug/m3	ND	3.6		02/25/09	XC
Vinyl Chloride	ug/m3	ND	2.6		02/25/09	XC
m/p-Xylene	ug/m3	ND	8.6		02/25/09	XC
o-Xylene	ug/m3	ND	4.4		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 13 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-7-021809

Sample ID : *09B05188

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	24	0.25		02/25/09	XC
Benzene	PPBv	1.4	0.25		02/25/09	XC
Benzyl Chloride	PPBv	ND	0.25		02/25/09	XC
Bromodichloromethane	PPBv	ND	0.25		02/25/09	XC
Bromoform	PPBv	ND	0.25		02/25/09	XC
Bromomethane	PPBv	ND	0.25		02/25/09	XC
1,3-Butadiene	PPBv	ND	0.25		02/25/09	XC
2-Butanone (MEK)	PPBv	2.5	0.25		02/25/09	XC
Carbon Disulfide	PPBv	0.88	0.25		02/25/09	XC
Carbon Tetrachloride	PPBv	ND	0.25		02/25/09	XC
Chlorobenzene	PPBv	ND	0.25		02/25/09	XC
Chlorodibromomethane	PPBv	ND	0.25		02/25/09	XC
Chloroethane	PPBv	33	0.25		02/25/09	XC
Chloroform	PPBv	ND	0.25		02/25/09	XC
Chloromethane	PPBv	ND	0.25		02/25/09	XC
Cyclohexane	PPBv	1.4	0.25		02/25/09	XC
1,2-Dibromoethane	PPBv	ND	0.25		02/25/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.25		02/25/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.25		02/25/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.25		02/25/09	XC
Dichlorodifluoromethane	PPBv	0.64	0.25		02/25/09	XC
1,1-Dichloroethane	PPBv	400	0.25		02/25/09	XC
1,2-Dichloroethane	PPBv	ND	0.25		02/25/09	XC
1,1-Dichloroethylene	PPBv	2.1	0.25		02/25/09	XC
cis-1,2-Dichloroethylene	PPBv	300	0.25		02/25/09	XC
t-1,2-Dichloroethylene	PPBv	23	0.25		02/25/09	XC
1,2-Dichloropropane	PPBv	ND	0.25		02/25/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.25		02/25/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.25		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.25		02/25/09	XC
Ethanol	PPBv	16	0.25		02/25/09	XC
Ethyl Acetate	PPBv	ND	0.25		02/25/09	XC
Ethylbenzene	PPBv	ND	0.25		02/25/09	XC
4-Ethyl Toluene	PPBv	ND	0.25		02/25/09	XC
n-Heptane	PPBv	ND	0.25		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

2/26/2009

Page 14 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-7-021809

Sample ID : *09B05188

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.50		02/25/09	XC
Hexane	PPBv	2.2	0.25		02/25/09	XC
2-Hexanone	PPBv	ND	0.25		02/25/09	XC
Isopropanol	PPBv	8.5	0.25		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	0.82	0.25		02/25/09	XC
Methylene Chloride	PPBv	2.3	0.25		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.25		02/25/09	XC
Propene	PPBv	64	0.25		02/25/09	XC
Styrene	PPBv	ND	0.25		02/25/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.25		02/25/09	XC
Tetrachloroethylene	PPBv	8.2	0.25		02/25/09	XC
Tetrahydrofuran	PPBv	4.0	0.25		02/25/09	XC
Toluene	PPBv	0.96	0.25		02/25/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.25		02/25/09	XC
1,1,1-Trichloroethane	PPBv	1400	0.25		02/25/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.25		02/25/09	XC
Trichloroethylene	PPBv	34	0.25		02/25/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	160	0.25		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.25		02/25/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.25		02/25/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.25		02/25/09	XC
Vinyl Acetate	PPBv	ND	0.25		02/25/09	XC
Vinyl Chloride	PPBv	69	0.25		02/25/09	XC
m/p-Xylene	PPBv	ND	0.50		02/25/09	XC
o-Xylene	PPBv	ND	0.25		02/25/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	58	0.60		02/25/09	XC
Benzene	ug/m3	4.5	0.80		02/25/09	XC
Benzyl Chloride	ug/m3	ND	1.3		02/25/09	XC
Bromodichloromethane	ug/m3	ND	1.7		02/25/09	XC
Bromoform	ug/m3	ND	2.6		02/25/09	XC
Bromomethane	ug/m3	ND	0.95		02/25/09	XC
1,3-Butadiene	ug/m3	ND	0.55		02/25/09	XC
2-Butanone (MEK)	ug/m3	7.3	0.75		02/25/09	XC
Carbon Disulfide	ug/m3	2.7	0.80		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 15 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-7-021809

Sample ID : *09B05188

‡Sampled : 2/18/2009

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	1.6		02/25/09	XC
Chlorobenzene	ug/m3	ND	1.2		02/25/09	XC
Chlorodibromomethane	ug/m3	ND	2.2		02/25/09	XC
Chloroethane	ug/m3	88	0.65		02/25/09	XC
Chloroform	ug/m3	ND	1.2		02/25/09	XC
Chloromethane	ug/m3	ND	0.50		02/25/09	XC
Cyclohexane	ug/m3	5.0	0.85		02/25/09	XC
1,2-Dibromoethane	ug/m3	ND	1.9		02/25/09	XC
1,2-Dichlorobenzene	ug/m3	ND	1.5		02/25/09	XC
1,3-Dichlorobenzene	ug/m3	ND	1.5		02/25/09	XC
1,4-Dichlorobenzene	ug/m3	ND	1.5		02/25/09	XC
Dichlorodifluoromethane	ug/m3	3.2	1.3		02/25/09	XC
1,1-Dichloroethane	ug/m3	1600	1.0		02/25/09	XC
1,2-Dichloroethane	ug/m3	ND	1.0		02/25/09	XC
1,1-Dichloroethylene	ug/m3	8.5	1.0		02/25/09	XC
cis-1,2-Dichloroethylene	ug/m3	1200	1.0		02/25/09	XC
t-1,2-Dichloroethylene	ug/m3	90	1.0		02/25/09	XC
1,2-Dichloropropane	ug/m3	ND	1.2		02/25/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	1.1		02/25/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	1.1		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	1.8		02/25/09	XC
Ethanol	ug/m3	29	0.45		02/25/09	XC
Ethyl Acetate	ug/m3	ND	0.90		02/25/09	XC
Ethylbenzene	ug/m3	ND	1.1		02/25/09	XC
4-Ethyl Toluene	ug/m3	ND	1.3		02/25/09	XC
n-Heptane	ug/m3	ND	1.0		02/25/09	XC
Hexachlorobutadiene	ug/m3	ND	5.4		02/25/09	XC
Hexane	ug/m3	7.6	0.90		02/25/09	XC
2-Hexanone	ug/m3	ND	1.0		02/25/09	XC
Isopropanol	ug/m3	21	0.60		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	2.9	0.90		02/25/09	XC
Methylene Chloride	ug/m3	8.0	0.85		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	1.0		02/25/09	XC
Propene	ug/m3	110	0.45		02/25/09	XC
Styrene	ug/m3	ND	1.1		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 16 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-7-021809

Sample ID : *09B05188

‡Sampled : 2/18/2009

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	1.7		02/25/09	XC
Tetrachloroethylene	ug/m3	56	1.7		02/25/09	XC
Tetrahydrofuran	ug/m3	12	0.75		02/25/09	XC
Toluene	ug/m3	3.6	0.95		02/25/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	1.9		02/25/09	XC
1,1,1-Trichloroethane	ug/m3	7800	1.4		02/25/09	XC
1,1,2-Trichloroethane	ug/m3	ND	1.4		02/25/09	XC
Trichloroethylene	ug/m3	180	1.4		02/25/09	XC
Trichlorofluoromethane	ug/m3	900	1.4		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	1.9		02/25/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	1.3		02/25/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	1.3		02/25/09	XC
Vinyl Acetate	ug/m3	ND	0.90		02/25/09	XC
Vinyl Chloride	ug/m3	180	0.65		02/25/09	XC
m/p-Xylene	ug/m3	ND	2.2		02/25/09	XC
o-Xylene	ug/m3	ND	1.1		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 17 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021809

Sample ID : *09B05189

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	32	2.0		02/25/09	XC
Benzene	PPBv	2.6	2.0		02/25/09	XC
Benzyl Chloride	PPBv	ND	2.0		02/25/09	XC
Bromodichloromethane	PPBv	ND	2.0		02/25/09	XC
Bromoform	PPBv	ND	2.0		02/25/09	XC
Bromomethane	PPBv	ND	2.0		02/25/09	XC
1,3-Butadiene	PPBv	ND	2.0		02/25/09	XC
2-Butanone (MEK)	PPBv	16	2.0		02/25/09	XC
Carbon Disulfide	PPBv	10	2.0		02/25/09	XC
Carbon Tetrachloride	PPBv	ND	2.0		02/25/09	XC
Chlorobenzene	PPBv	ND	2.0		02/25/09	XC
Chlorodibromomethane	PPBv	ND	2.0		02/25/09	XC
Chloroethane	PPBv	470	2.0		02/25/09	XC
Chloroform	PPBv	4.1	2.0		02/25/09	XC
Chloromethane	PPBv	ND	2.0		02/25/09	XC
Cyclohexane	PPBv	ND	2.0		02/25/09	XC
1,2-Dibromoethane	PPBv	ND	2.0		02/25/09	XC
1,2-Dichlorobenzene	PPBv	ND	2.0		02/25/09	XC
1,3-Dichlorobenzene	PPBv	ND	2.0		02/25/09	XC
1,4-Dichlorobenzene	PPBv	ND	2.0		02/25/09	XC
Dichlorodifluoromethane	PPBv	ND	2.0		02/25/09	XC
1,1-Dichloroethane	PPBv	1300	2.0		02/25/09	XC
1,2-Dichloroethane	PPBv	ND	2.0		02/25/09	XC
1,1-Dichloroethylene	PPBv	260	2.0		02/25/09	XC
cis-1,2-Dichloroethylene	PPBv	1600	2.0		02/25/09	XC
t-1,2-Dichloroethylene	PPBv	12	2.0		02/25/09	XC
1,2-Dichloropropane	PPBv	ND	2.0		02/25/09	XC
cis-1,3-Dichloropropene	PPBv	ND	2.0		02/25/09	XC
trans-1,3-Dichloropropene	PPBv	ND	2.0		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	2.0		02/25/09	XC
Ethanol	PPBv	65	2.0		02/25/09	XC
Ethyl Acetate	PPBv	ND	2.0		02/25/09	XC
Ethylbenzene	PPBv	ND	2.0		02/25/09	XC
4-Ethyl Toluene	PPBv	ND	2.0		02/25/09	XC
n-Heptane	PPBv	ND	2.0		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 18 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021809

Sample ID : *09B05189

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	4.0		02/25/09	XC
Hexane	PPBv	77	2.0		02/25/09	XC
2-Hexanone	PPBv	ND	2.0		02/25/09	XC
Isopropanol	PPBv	5.9	2.0		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	2.0		02/25/09	XC
Methylene Chloride	PPBv	ND	4.0		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	2.0		02/25/09	XC
Propene	PPBv	ND	2.0		02/25/09	XC
Styrene	PPBv	ND	2.0		02/25/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	2.0		02/25/09	XC
Tetrachloroethylene	PPBv	64	2.0		02/25/09	XC
Tetrahydrofuran	PPBv	50	2.0		02/25/09	XC
Toluene	PPBv	ND	2.0		02/25/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	2.0		02/25/09	XC
1,1,1-Trichloroethane	PPBv	13000	2.0		02/25/09	XC
1,1,2-Trichloroethane	PPBv	ND	2.0		02/25/09	XC
Trichloroethylene	PPBv	4900	2.0		02/25/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	320	2.0		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	2.0		02/25/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	2.0		02/25/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	2.0		02/25/09	XC
Vinyl Acetate	PPBv	ND	2.0		02/25/09	XC
Vinyl Chloride	PPBv	4.0	2.0		02/25/09	XC
m/p-Xylene	PPBv	ND	4.0		02/25/09	XC
o-Xylene	PPBv	ND	2.0		02/25/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	75	4.8		02/25/09	XC
Benzene	ug/m3	8.4	6.4		02/25/09	XC
Benzyl Chloride	ug/m3	ND	11		02/25/09	XC
Bromodichloromethane	ug/m3	ND	14		02/25/09	XC
Bromoform	ug/m3	ND	21		02/25/09	XC
Bromomethane	ug/m3	ND	7.6		02/25/09	XC
1,3-Butadiene	ug/m3	ND	4.4		02/25/09	XC
2-Butanone (MEK)	ug/m3	48	6.0		02/25/09	XC
Carbon Disulfide	ug/m3	32	6.4		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 19 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021809

Sample ID : *09B05189

‡Sampled : 2/18/2009

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	13		02/25/09	XC
Chlorobenzene	ug/m3	ND	9.2		02/25/09	XC
Chlorodibromomethane	ug/m3	ND	18		02/25/09	XC
Chloroethane	ug/m3	1200	5.2		02/25/09	XC
Chloroform	ug/m3	20	9.6		02/25/09	XC
Chloromethane	ug/m3	ND	4.0		02/25/09	XC
Cyclohexane	ug/m3	ND	6.8		02/25/09	XC
1,2-Dibromoethane	ug/m3	ND	16		02/25/09	XC
1,2-Dichlorobenzene	ug/m3	ND	12		02/25/09	XC
1,3-Dichlorobenzene	ug/m3	ND	12		02/25/09	XC
1,4-Dichlorobenzene	ug/m3	ND	12		02/25/09	XC
Dichlorodifluoromethane	ug/m3	ND	10		02/25/09	XC
1,1-Dichloroethane	ug/m3	5300	8.0		02/25/09	XC
1,2-Dichloroethane	ug/m3	ND	8.0		02/25/09	XC
1,1-Dichloroethylene	ug/m3	1000	8.0		02/25/09	XC
cis-1,2-Dichloroethylene	ug/m3	6300	8.0		02/25/09	XC
t-1,2-Dichloroethylene	ug/m3	47	8.0		02/25/09	XC
1,2-Dichloropropane	ug/m3	ND	9.2		02/25/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	8.8		02/25/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	8.8		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	14		02/25/09	XC
Ethanol	ug/m3	120	3.6		02/25/09	XC
Ethyl Acetate	ug/m3	ND	7.2		02/25/09	XC
Ethylbenzene	ug/m3	ND	8.8		02/25/09	XC
4-Ethyl Toluene	ug/m3	ND	10		02/25/09	XC
n-Heptane	ug/m3	ND	8.0		02/25/09	XC
Hexachlorobutadiene	ug/m3	ND	43		02/25/09	XC
Hexane	ug/m3	270	7.2		02/25/09	XC
2-Hexanone	ug/m3	ND	8.0		02/25/09	XC
Isopropanol	ug/m3	15	4.8		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	7.2		02/25/09	XC
Methylene Chloride	ug/m3	ND	14		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	8.0		02/25/09	XC
Propene	ug/m3	ND	3.6		02/25/09	XC
Styrene	ug/m3	ND	8.4		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 20 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : EW-COMBINED-021809

Sample ID : *09B05189

‡Sampled : 2/18/2009

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	14		02/25/09	XC
Tetrachloroethylene	ug/m3	430	14		02/25/09	XC
Tetrahydrofuran	ug/m3	150	6.0		02/25/09	XC
Toluene	ug/m3	ND	7.6		02/25/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	15		02/25/09	XC
1,1,1-Trichloroethane	ug/m3	73000	11		02/25/09	XC
1,1,2-Trichloroethane	ug/m3	ND	11		02/25/09	XC
Trichloroethylene	ug/m3	26000	11		02/25/09	XC
Trichlorofluoromethane	ug/m3	1800	12		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	16		02/25/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	10		02/25/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	10		02/25/09	XC
Vinyl Acetate	ug/m3	ND	7.2		02/25/09	XC
Vinyl Chloride	ug/m3	10	5.2		02/25/09	XC
m/p-Xylene	ug/m3	ND	18		02/25/09	XC
o-Xylene	ug/m3	ND	8.8		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 21 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-1-021809

Sample ID : *09B05178

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	9.0	0.05		02/24/09	XC
Benzene	PPBv	0.95	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.38	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	1.1	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.72	0.05		02/24/09	XC
Cyclohexane	PPBv	0.18	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.57	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	0.27	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	11	0.05		02/24/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.20	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/24/09	XC
n-Heptane	PPBv	0.18	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 22 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-1-021809

Sample ID : *09B05178

‡Sampled : 2/18/2009

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		02/24/09	XC
Hexane	PPBv	0.46	0.05		02/24/09	XC
2-Hexanone	PPBv	0.10	0.05		02/24/09	XC
Isopropanol	PPBv	2.4	0.05		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/24/09	XC
Methylene Chloride	PPBv	0.51	0.05		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.07	0.05		02/24/09	XC
Propene	PPBv	ND	0.05		02/24/09	XC
Styrene	PPBv	0.07	0.05		02/24/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/24/09	XC
Tetrachloroethylene	PPBv	0.47	0.05		02/24/09	XC
Tetrahydrofuran	PPBv	0.16	0.05		02/24/09	XC
Toluene	PPBv	1.5	0.05		02/24/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,1,1-Trichloroethane	PPBv	0.18	0.05		02/24/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
Trichloroethylene	PPBv	0.27	0.05		02/24/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.55	0.05		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/24/09	XC
1,2,4-Trimethylbenzene	PPBv	0.16	0.05		02/24/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/24/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/24/09	XC
Vinyl Chloride	PPBv	0.08	0.05		02/24/09	XC
m/p-Xylene	PPBv	0.64	0.10		02/24/09	XC
o-Xylene	PPBv	0.23	0.05		02/24/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	21	0.12		02/24/09	XC
Benzene	ug/m3	3.0	0.16		02/24/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/24/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/24/09	XC
Bromoform	ug/m3	ND	0.51		02/24/09	XC
Bromomethane	ug/m3	ND	0.19		02/24/09	XC
1,3-Butadiene	ug/m3	0.84	0.11		02/24/09	XC
2-Butanone (MEK)	ug/m3	3.4	0.15		02/24/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 23 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-1-021809

Sample ID : *09B05178

‡Sampled : 2/18/2009

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		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.5	0.10		02/24/09	XC
Cyclohexane	ug/m3	0.61	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.8	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.1	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	20	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Ethylbenzene	ug/m3	0.85	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/24/09	XC
n-Heptane	ug/m3	0.75	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	1.6	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.42	0.20		02/24/09	XC
Isopropanol	ug/m3	5.8	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	1.8	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.30	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	0.28	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 24 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-1-021809

Sample ID : *09B05178

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	3.2	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	0.48	0.15		02/24/09	XC
Toluene	ug/m3	5.7	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	0.99	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	1.4	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	3.1	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.46	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.77	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	0.21	0.13		02/24/09	XC
m/p-Xylene	ug/m3	2.8	0.43		02/24/09	XC
o-Xylene	ug/m3	0.99	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 25 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-2-021809

Sample ID : *09B05179

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	7.8	0.05		02/24/09	XC
Benzene	PPBv	0.96	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.30	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	1.0	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.65	0.05		02/24/09	XC
Cyclohexane	PPBv	0.18	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.58	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	0.28	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	9.1	0.05		02/24/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.18	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/24/09	XC
n-Heptane	PPBv	0.18	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 26 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-2-021809

Sample ID : *09B05179

‡Sampled : 2/18/2009

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		02/24/09	XC
Hexane	PPBv	0.44	0.05		02/24/09	XC
2-Hexanone	PPBv	0.06	0.05		02/24/09	XC
Isopropanol	PPBv	1.8	0.05		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/24/09	XC
Methylene Chloride	PPBv	0.47	0.05		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/24/09	XC
Propene	PPBv	ND	0.05		02/24/09	XC
Styrene	PPBv	0.05	0.05		02/24/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/24/09	XC
Tetrachloroethylene	PPBv	0.47	0.05		02/24/09	XC
Tetrahydrofuran	PPBv	0.16	0.05		02/24/09	XC
Toluene	PPBv	1.5	0.05		02/24/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,1,1-Trichloroethane	PPBv	0.19	0.05		02/24/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
Trichloroethylene	PPBv	0.27	0.05		02/24/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.50	0.05		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/24/09	XC
1,2,4-Trimethylbenzene	PPBv	0.13	0.05		02/24/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/24/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/24/09	XC
Vinyl Chloride	PPBv	0.08	0.05		02/24/09	XC
m/p-Xylene	PPBv	0.61	0.10		02/24/09	XC
o-Xylene	PPBv	0.20	0.05		02/24/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	18	0.12		02/24/09	XC
Benzene	ug/m3	3.0	0.16		02/24/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/24/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/24/09	XC
Bromoform	ug/m3	ND	0.51		02/24/09	XC
Bromomethane	ug/m3	ND	0.19		02/24/09	XC
1,3-Butadiene	ug/m3	0.66	0.11		02/24/09	XC
2-Butanone (MEK)	ug/m3	3.0	0.15		02/24/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

2/26/2009

Page 27 of 55

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample #: IA-2-021809

Sample ID: *09B05179

‡Sampled: 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium: SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.57	0.31		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.3	0.10		02/24/09	XC
Cyclohexane	ug/m3	0.61	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.9	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.1	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	17	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Ethylbenzene	ug/m3	0.79	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/24/09	XC
n-Heptane	ug/m3	0.73	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	1.6	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.26	0.20		02/24/09	XC
Isopropanol	ug/m3	4.5	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	1.6	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	0.23	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 28 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-2-021809

Sample ID : *09B05179

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	3.2	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	0.49	0.15		02/24/09	XC
Toluene	ug/m3	5.5	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	1.1	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	1.4	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	2.8	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.46	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.65	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	0.20	0.13		02/24/09	XC
m/p-Xylene	ug/m3	2.6	0.43		02/24/09	XC
o-Xylene	ug/m3	0.89	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 29 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-3-021809

Sample ID : *09B05180

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	10	0.05		02/24/09	XC
Benzene	PPBv	0.97	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.35	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	1.3	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.67	0.05		02/24/09	XC
Cyclohexane	PPBv	0.17	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.58	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	0.27	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	9.4	0.05		02/24/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.18	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/24/09	XC
n-Heptane	PPBv	0.19	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 30 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-3-021809

Sample ID : *09B05180

‡Sampled : 2/18/2009

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		02/24/09	XC
Hexane	PPBv	0.54	0.05		02/24/09	XC
2-Hexanone	PPBv	0.07	0.05		02/24/09	XC
Isopropanol	PPBv	2.0	0.05		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/24/09	XC
Methylene Chloride	PPBv	1.0	0.05		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.08	0.05		02/24/09	XC
Propene	PPBv	ND	0.05		02/24/09	XC
Styrene	PPBv	ND	0.05		02/24/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/24/09	XC
Tetrachloroethylene	PPBv	0.48	0.05		02/24/09	XC
Tetrahydrofuran	PPBv	0.17	0.05		02/24/09	XC
Toluene	PPBv	1.6	0.05		02/24/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,1,1-Trichloroethane	PPBv	0.20	0.05		02/24/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
Trichloroethylene	PPBv	0.28	0.05		02/24/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.50	0.05		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/24/09	XC
1,2,4-Trimethylbenzene	PPBv	0.12	0.05		02/24/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/24/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/24/09	XC
Vinyl Chloride	PPBv	0.08	0.05		02/24/09	XC
m/p-Xylene	PPBv	0.60	0.10		02/24/09	XC
o-Xylene	PPBv	0.20	0.05		02/24/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	24	0.12		02/24/09	XC
Benzene	ug/m3	3.1	0.16		02/24/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/24/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/24/09	XC
Bromoform	ug/m3	ND	0.51		02/24/09	XC
Bromomethane	ug/m3	ND	0.19		02/24/09	XC
1,3-Butadiene	ug/m3	0.77	0.11		02/24/09	XC
2-Butanone (MEK)	ug/m3	4.0	0.15		02/24/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 31 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-3-021809

Sample ID : *09B05180

‡Sampled : 2/18/2009

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	0.60	0.31		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.4	0.10		02/24/09	XC
Cyclohexane	ug/m3	0.60	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.9	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.1	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	18	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Ethylbenzene	ug/m3	0.77	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/24/09	XC
n-Heptane	ug/m3	0.77	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	1.9	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.30	0.20		02/24/09	XC
Isopropanol	ug/m3	4.9	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	3.5	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.34	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	ND	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 32 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-3-021809

Sample ID : *09B05180

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	3.3	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	0.49	0.15		02/24/09	XC
Toluene	ug/m3	5.8	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	1.1	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	1.5	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	2.8	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.44	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.61	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	0.21	0.13		02/24/09	XC
m/p-Xylene	ug/m3	2.6	0.43		02/24/09	XC
o-Xylene	ug/m3	0.86	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 33 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-4-021809

Sample ID : *09B05181

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	8.3	0.05		02/24/09	XC
Benzene	PPBv	0.96	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.35	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	1.1	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.65	0.05		02/24/09	XC
Cyclohexane	PPBv	0.19	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.57	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	0.29	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	9.6	0.05		02/24/09	XC
Ethyl Acetate	PPBv	0.05	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.18	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/24/09	XC
n-Heptane	PPBv	0.19	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 34 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-4-021809

Sample ID : *09B05181

‡Sampled : 2/18/2009

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		02/24/09	XC
Hexane	PPBv	0.47	0.05		02/24/09	XC
2-Hexanone	PPBv	0.10	0.05		02/24/09	XC
Isopropanol	PPBv	2.0	0.05		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/24/09	XC
Methylene Chloride	PPBv	0.71	0.05		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.07	0.05		02/24/09	XC
Propene	PPBv	ND	0.05		02/24/09	XC
Styrene	PPBv	0.05	0.05		02/24/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/24/09	XC
Tetrachloroethylene	PPBv	0.50	0.05		02/24/09	XC
Tetrahydrofuran	PPBv	0.16	0.05		02/24/09	XC
Toluene	PPBv	1.5	0.05		02/24/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,1,1-Trichloroethane	PPBv	0.20	0.05		02/24/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
Trichloroethylene	PPBv	0.28	0.05		02/24/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.53	0.05		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/24/09	XC
1,2,4-Trimethylbenzene	PPBv	0.13	0.05		02/24/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/24/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/24/09	XC
Vinyl Chloride	PPBv	0.09	0.05		02/24/09	XC
m/p-Xylene	PPBv	0.61	0.10		02/24/09	XC
o-Xylene	PPBv	0.20	0.05		02/24/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	20	0.12		02/24/09	XC
Benzene	ug/m3	3.0	0.16		02/24/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/24/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/24/09	XC
Bromoform	ug/m3	ND	0.51		02/24/09	XC
Bromomethane	ug/m3	ND	0.19		02/24/09	XC
1,3-Butadiene	ug/m3	0.77	0.11		02/24/09	XC
2-Butanone (MEK)	ug/m3	3.2	0.15		02/24/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

2/26/2009

Page 35 of 55

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-4-021809

Sample ID : *09B05181

‡Sampled : 2/18/2009

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	0.58	0.31		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.3	0.10		02/24/09	XC
Cyclohexane	ug/m3	0.64	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.8	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.1	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	18	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	0.19	0.18		02/24/09	XC
Ethylbenzene	ug/m3	0.78	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/24/09	XC
n-Heptane	ug/m3	0.79	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	1.7	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.39	0.20		02/24/09	XC
Isopropanol	ug/m3	4.8	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	2.5	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.28	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	0.23	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 36 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-4-021809

Sample ID : *09B05181

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	3.4	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	0.47	0.15		02/24/09	XC
Toluene	ug/m3	5.8	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	1.1	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	1.5	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	3.0	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.45	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.65	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	0.22	0.13		02/24/09	XC
m/p-Xylene	ug/m3	2.6	0.43		02/24/09	XC
o-Xylene	ug/m3	0.87	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 37 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-5-021809

Sample ID : *09B05182

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	8.6	0.05		02/24/09	XC
Benzene	PPBv	0.50	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.11	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	0.87	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.68	0.05		02/24/09	XC
Cyclohexane	PPBv	0.12	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.55	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	76	0.05		02/24/09	XC
Ethyl Acetate	PPBv	ND	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.10	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		02/24/09	XC
n-Heptane	PPBv	0.09	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 38 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-5-021809

Sample ID : *09B05182

‡Sampled : 2/18/2009

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		02/24/09	XC
Hexane	PPBv	0.28	0.05		02/24/09	XC
2-Hexanone	PPBv	0.07	0.05		02/24/09	XC
Isopropanol	PPBv	1.2	0.05		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/24/09	XC
Methylene Chloride	PPBv	0.31	0.05		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		02/24/09	XC
Propene	PPBv	ND	0.05		02/24/09	XC
Styrene	PPBv	ND	0.05		02/24/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/24/09	XC
Tetrachloroethylene	PPBv	0.06	0.05		02/24/09	XC
Tetrahydrofuran	PPBv	ND	0.05		02/24/09	XC
Toluene	PPBv	0.88	0.05		02/24/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
Trichloroethylene	PPBv	ND	0.05		02/24/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.31	0.05		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/24/09	XC
1,2,4-Trimethylbenzene	PPBv	0.07	0.05		02/24/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/24/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/24/09	XC
Vinyl Chloride	PPBv	ND	0.05		02/24/09	XC
m/p-Xylene	PPBv	0.28	0.10		02/24/09	XC
o-Xylene	PPBv	0.11	0.05		02/24/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	20	0.12		02/24/09	XC
Benzene	ug/m3	1.6	0.16		02/24/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/24/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/24/09	XC
Bromoform	ug/m3	ND	0.51		02/24/09	XC
Bromomethane	ug/m3	ND	0.19		02/24/09	XC
1,3-Butadiene	ug/m3	0.25	0.11		02/24/09	XC
2-Butanone (MEK)	ug/m3	2.6	0.15		02/24/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 39 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-5-021809

Sample ID : *09B05182

‡Sampled : 2/18/2009

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		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.4	0.10		02/24/09	XC
Cyclohexane	ug/m3	0.41	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	140	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Ethylbenzene	ug/m3	0.43	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		02/24/09	XC
n-Heptane	ug/m3	0.35	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	0.99	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.27	0.20		02/24/09	XC
Isopropanol	ug/m3	2.9	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	1.1	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	ND	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 40 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-5-021809

Sample ID : *09B05182

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	0.43	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		02/24/09	XC
Toluene	ug/m3	3.3	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	ND	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	1.8	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.45	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.36	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/24/09	XC
m/p-Xylene	ug/m3	1.2	0.43		02/24/09	XC
o-Xylene	ug/m3	0.47	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 41 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-6-021809

Sample ID : *09B05183

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	10	0.05		02/24/09	XC
Benzene	PPBv	1.3	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.50	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	0.98	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.74	0.05		02/24/09	XC
Cyclohexane	PPBv	0.26	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	0.07	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.57	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	21	0.05		02/24/09	XC
Ethyl Acetate	PPBv	0.06	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.37	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	0.10	0.05		02/24/09	XC
n-Heptane	PPBv	0.33	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 42 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-6-021809

Sample ID : *09B05183

‡Sampled : 2/18/2009

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		02/24/09	XC
Hexane	PPBv	0.73	0.05		02/24/09	XC
2-Hexanone	PPBv	0.08	0.05		02/24/09	XC
Isopropanol	PPBv	2.0	0.05		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/24/09	XC
Methylene Chloride	PPBv	0.46	0.05		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.09	0.05		02/24/09	XC
Propene	PPBv	ND	0.05		02/24/09	XC
Styrene	PPBv	0.07	0.05		02/24/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/24/09	XC
Tetrachloroethylene	PPBv	0.18	0.05		02/24/09	XC
Tetrahydrofuran	PPBv	ND	0.05		02/24/09	XC
Toluene	PPBv	2.9	0.05		02/24/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,1,1-Trichloroethane	PPBv	0.05	0.05		02/24/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
Trichloroethylene	PPBv	0.06	0.05		02/24/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.45	0.05		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/24/09	XC
1,2,4-Trimethylbenzene	PPBv	0.31	0.05		02/24/09	XC
1,3,5-Trimethylbenzene	PPBv	0.08	0.05		02/24/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/24/09	XC
Vinyl Chloride	PPBv	ND	0.05		02/24/09	XC
m/p-Xylene	PPBv	1.1	0.10		02/24/09	XC
o-Xylene	PPBv	0.41	0.05		02/24/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	25	0.12		02/24/09	XC
Benzene	ug/m3	4.1	0.16		02/24/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/24/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/24/09	XC
Bromoform	ug/m3	ND	0.51		02/24/09	XC
Bromomethane	ug/m3	ND	0.19		02/24/09	XC
1,3-Butadiene	ug/m3	1.1	0.11		02/24/09	XC
2-Butanone (MEK)	ug/m3	2.9	0.15		02/24/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 43 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-6-021809

Sample ID : *09B05183

‡Sampled : 2/18/2009

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	0.59	0.31		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.5	0.10		02/24/09	XC
Cyclohexane	ug/m3	0.91	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	0.41	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.8	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	40	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	0.22	0.18		02/24/09	XC
Ethylbenzene	ug/m3	1.6	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	0.47	0.25		02/24/09	XC
n-Heptane	ug/m3	1.3	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	2.6	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.34	0.20		02/24/09	XC
Isopropanol	ug/m3	4.9	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	1.6	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.36	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	0.28	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 44 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-6-021809

Sample ID : *09B05183

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	1.2	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		02/24/09	XC
Toluene	ug/m3	11	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	0.29	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	0.34	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	2.5	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.45	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	1.5	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	0.38	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/24/09	XC
m/p-Xylene	ug/m3	4.9	0.43		02/24/09	XC
o-Xylene	ug/m3	1.8	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 45 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-7-021809

Sample ID : *09B05184

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	13	0.05		02/24/09	XC
Benzene	PPBv	1.0	0.05		02/24/09	XC
Benzyl Chloride	PPBv	ND	0.05		02/24/09	XC
Bromodichloromethane	PPBv	ND	0.05		02/24/09	XC
Bromoform	PPBv	ND	0.05		02/24/09	XC
Bromomethane	PPBv	ND	0.05		02/24/09	XC
1,3-Butadiene	PPBv	0.44	0.05		02/24/09	XC
2-Butanone (MEK)	PPBv	1.8	0.05		02/24/09	XC
Carbon Disulfide	PPBv	ND	0.05		02/24/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		02/24/09	XC
Chlorobenzene	PPBv	ND	0.05		02/24/09	XC
Chlorodibromomethane	PPBv	ND	0.05		02/24/09	XC
Chloroethane	PPBv	ND	0.05		02/24/09	XC
Chloroform	PPBv	ND	0.05		02/24/09	XC
Chloromethane	PPBv	0.73	0.05		02/24/09	XC
Cyclohexane	PPBv	0.20	0.05		02/24/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		02/24/09	XC
Dichlorodifluoromethane	PPBv	0.55	0.05		02/24/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		02/24/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		02/24/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		02/24/09	XC
Ethanol	PPBv	14	0.05		02/24/09	XC
Ethyl Acetate	PPBv	0.06	0.05		02/24/09	XC
Ethylbenzene	PPBv	0.22	0.05		02/24/09	XC
4-Ethyl Toluene	PPBv	0.06	0.05		02/24/09	XC
n-Heptane	PPBv	0.30	0.05		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 46 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-7-021809

Sample ID : *09B05184

‡Sampled : 2/18/2009

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		02/24/09	XC
Hexane	PPBv	0.58	0.05		02/24/09	XC
2-Hexanone	PPBv	0.22	0.05		02/24/09	XC
Isopropanol	PPBv	3.4	0.05		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		02/24/09	XC
Methylene Chloride	PPBv	0.43	0.05		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.10	0.05		02/24/09	XC
Propene	PPBv	ND	0.05		02/24/09	XC
Styrene	PPBv	0.06	0.05		02/24/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		02/24/09	XC
Tetrachloroethylene	PPBv	0.09	0.05		02/24/09	XC
Tetrahydrofuran	PPBv	0.15	0.05		02/24/09	XC
Toluene	PPBv	2.0	0.05		02/24/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		02/24/09	XC
1,1,1-Trichloroethane	PPBv	0.23	0.05		02/24/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		02/24/09	XC
Trichloroethylene	PPBv	0.11	0.05		02/24/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.55	0.05		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		02/24/09	XC
1,2,4-Trimethylbenzene	PPBv	0.20	0.05		02/24/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		02/24/09	XC
Vinyl Acetate	PPBv	ND	0.05		02/24/09	XC
Vinyl Chloride	PPBv	ND	0.05		02/24/09	XC
m/p-Xylene	PPBv	0.65	0.10		02/24/09	XC
o-Xylene	PPBv	0.22	0.05		02/24/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	32	0.12		02/24/09	XC
Benzene	ug/m3	3.2	0.16		02/24/09	XC
Benzyl Chloride	ug/m3	ND	0.26		02/24/09	XC
Bromodichloromethane	ug/m3	ND	0.33		02/24/09	XC
Bromoform	ug/m3	ND	0.51		02/24/09	XC
Bromomethane	ug/m3	ND	0.19		02/24/09	XC
1,3-Butadiene	ug/m3	0.97	0.11		02/24/09	XC
2-Butanone (MEK)	ug/m3	5.2	0.15		02/24/09	XC
Carbon Disulfide	ug/m3	ND	0.16		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 47 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-7-021809

Sample ID : *09B05184

‡Sampled : 2/18/2009

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	0.56	0.31		02/24/09	XC
Chlorobenzene	ug/m3	ND	0.23		02/24/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		02/24/09	XC
Chloroethane	ug/m3	ND	0.13		02/24/09	XC
Chloroform	ug/m3	ND	0.24		02/24/09	XC
Chloromethane	ug/m3	1.5	0.10		02/24/09	XC
Cyclohexane	ug/m3	0.70	0.17		02/24/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		02/24/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		02/24/09	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		02/24/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		02/24/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		02/24/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		02/24/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		02/24/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		02/24/09	XC
Ethanol	ug/m3	26	0.09		02/24/09	XC
Ethyl Acetate	ug/m3	0.21	0.18		02/24/09	XC
Ethylbenzene	ug/m3	0.95	0.22		02/24/09	XC
4-Ethyl Toluene	ug/m3	0.27	0.25		02/24/09	XC
n-Heptane	ug/m3	1.2	0.20		02/24/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		02/24/09	XC
Hexane	ug/m3	2.0	0.18		02/24/09	XC
2-Hexanone	ug/m3	0.91	0.20		02/24/09	XC
Isopropanol	ug/m3	8.3	0.12		02/24/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		02/24/09	XC
Methylene Chloride	ug/m3	1.5	0.17		02/24/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.42	0.20		02/24/09	XC
Propene	ug/m3	ND	0.09		02/24/09	XC
Styrene	ug/m3	0.26	0.21		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 48 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : IA-7-021809

Sample ID : *09B05184

‡Sampled : 2/18/2009

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		02/24/09	XC
Tetrachloroethylene	ug/m3	0.63	0.34		02/24/09	XC
Tetrahydrofuran	ug/m3	0.43	0.15		02/24/09	XC
Toluene	ug/m3	7.5	0.19		02/24/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		02/24/09	XC
1,1,1-Trichloroethane	ug/m3	1.3	0.27		02/24/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		02/24/09	XC
Trichloroethylene	ug/m3	0.58	0.27		02/24/09	XC
Trichlorofluoromethane	ug/m3	3.1	0.28		02/24/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.44	0.38		02/24/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.99	0.25		02/24/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		02/24/09	XC
Vinyl Acetate	ug/m3	ND	0.18		02/24/09	XC
Vinyl Chloride	ug/m3	ND	0.13		02/24/09	XC
m/p-Xylene	ug/m3	2.8	0.43		02/24/09	XC
o-Xylene	ug/m3	0.97	0.22		02/24/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

2/26/2009

Page 49 of 55

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : POST CARBON-021809

Sample ID : *09B05190

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	8.2	0.10		02/25/09	XC
Benzene	PPBv	ND	0.10		02/25/09	XC
Benzyl Chloride	PPBv	ND	0.10		02/25/09	XC
Bromodichloromethane	PPBv	ND	0.10		02/25/09	XC
Bromoform	PPBv	ND	0.10		02/25/09	XC
Bromomethane	PPBv	ND	0.10		02/25/09	XC
1,3-Butadiene	PPBv	ND	0.10		02/25/09	XC
2-Butanone (MEK)	PPBv	3.2	0.10		02/25/09	XC
Carbon Disulfide	PPBv	1.3	0.10		02/25/09	XC
Carbon Tetrachloride	PPBv	ND	0.10		02/25/09	XC
Chlorobenzene	PPBv	ND	0.10		02/25/09	XC
Chlorodibromomethane	PPBv	ND	0.10		02/25/09	XC
Chloroethane	PPBv	670	0.10		02/25/09	XC
Chloroform	PPBv	ND	0.10		02/25/09	XC
Chloromethane	PPBv	ND	0.10		02/25/09	XC
Cyclohexane	PPBv	ND	0.10		02/25/09	XC
1,2-Dibromoethane	PPBv	ND	0.10		02/25/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.10		02/25/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.10		02/25/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.10		02/25/09	XC
Dichlorodifluoromethane	PPBv	0.62	0.10		02/25/09	XC
1,1-Dichloroethane	PPBv	1.3	0.10		02/25/09	XC
1,2-Dichloroethane	PPBv	ND	0.10		02/25/09	XC
1,1-Dichloroethylene	PPBv	ND	0.10		02/25/09	XC
cis-1,2-Dichloroethylene	PPBv	0.97	0.10		02/25/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.10		02/25/09	XC
1,2-Dichloropropane	PPBv	ND	0.10		02/25/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.10		02/25/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.10		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.10		02/25/09	XC
Ethanol	PPBv	13	0.10		02/25/09	XC
Ethyl Acetate	PPBv	ND	0.10		02/25/09	XC
Ethylbenzene	PPBv	ND	0.10		02/25/09	XC
4-Ethyl Toluene	PPBv	ND	0.10		02/25/09	XC
n-Heptane	PPBv	ND	0.10		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 50 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : POST CARBON-021809

Sample ID : *09B05190

‡Sampled : 2/18/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.20		02/25/09	XC
Hexane	PPBv	13	0.10		02/25/09	XC
2-Hexanone	PPBv	ND	0.10		02/25/09	XC
Isopropanol	PPBv	1.3	0.10		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.10		02/25/09	XC
Methylene Chloride	PPBv	4.9	0.10		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.10		02/25/09	XC
Propene	PPBv	ND	0.10		02/25/09	XC
Styrene	PPBv	ND	0.10		02/25/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.10		02/25/09	XC
Tetrachloroethylene	PPBv	0.16	0.10		02/25/09	XC
Tetrahydrofuran	PPBv	14	0.10		02/25/09	XC
Toluene	PPBv	0.17	0.10		02/25/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.10		02/25/09	XC
1,1,1-Trichloroethane	PPBv	8.2	0.10		02/25/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.10		02/25/09	XC
Trichloroethylene	PPBv	3.0	0.10		02/25/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	4.1	0.10		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.10		02/25/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.10		02/25/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.10		02/25/09	XC
Vinyl Acetate	PPBv	ND	0.10		02/25/09	XC
Vinyl Chloride	PPBv	5.1	0.10		02/25/09	XC
m/p-Xylene	PPBv	ND	0.20		02/25/09	XC
o-Xylene	PPBv	ND	0.10		02/25/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	19	0.24		02/25/09	XC
Benzene	ug/m3	ND	0.32		02/25/09	XC
Benzyl Chloride	ug/m3	ND	0.52		02/25/09	XC
Bromodichloromethane	ug/m3	ND	0.66		02/25/09	XC
Bromoform	ug/m3	ND	1.1		02/25/09	XC
Bromomethane	ug/m3	ND	0.38		02/25/09	XC
1,3-Butadiene	ug/m3	ND	0.22		02/25/09	XC
2-Butanone (MEK)	ug/m3	9.4	0.30		02/25/09	XC
Carbon Disulfide	ug/m3	4.1	0.32		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 51 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : POST CARBON-021809

Sample ID : *09B05190

‡Sampled : 2/18/2009

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		02/25/09	XC
Chlorobenzene	ug/m3	ND	0.46		02/25/09	XC
Chlorodibromomethane	ug/m3	ND	0.86		02/25/09	XC
Chloroethane	ug/m3	1800	0.26		02/25/09	XC
Chloroform	ug/m3	ND	0.48		02/25/09	XC
Chloromethane	ug/m3	ND	0.20		02/25/09	XC
Cyclohexane	ug/m3	ND	0.34		02/25/09	XC
1,2-Dibromoethane	ug/m3	ND	0.76		02/25/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.60		02/25/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.60		02/25/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.60		02/25/09	XC
Dichlorodifluoromethane	ug/m3	3.0	0.50		02/25/09	XC
1,1-Dichloroethane	ug/m3	5.4	0.40		02/25/09	XC
1,2-Dichloroethane	ug/m3	ND	0.40		02/25/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.40		02/25/09	XC
cis-1,2-Dichloroethylene	ug/m3	3.9	0.40		02/25/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.40		02/25/09	XC
1,2-Dichloropropane	ug/m3	ND	0.46		02/25/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.44		02/25/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.44		02/25/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.70		02/25/09	XC
Ethanol	ug/m3	25	0.18		02/25/09	XC
Ethyl Acetate	ug/m3	ND	0.36		02/25/09	XC
Ethylbenzene	ug/m3	ND	0.44		02/25/09	XC
4-Ethyl Toluene	ug/m3	ND	0.50		02/25/09	XC
n-Heptane	ug/m3	ND	0.40		02/25/09	XC
Hexachlorobutadiene	ug/m3	ND	2.2		02/25/09	XC
Hexane	ug/m3	46	0.36		02/25/09	XC
2-Hexanone	ug/m3	ND	0.40		02/25/09	XC
Isopropanol	ug/m3	3.1	0.24		02/25/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.36		02/25/09	XC
Methylene Chloride	ug/m3	17	0.34		02/25/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.40		02/25/09	XC
Propene	ug/m3	ND	0.18		02/25/09	XC
Styrene	ug/m3	ND	0.42		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

Purchase Order No.: 200902529

2/26/2009

Page 52 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Field Sample # : POST CARBON-021809

Sample ID : *09B05190

‡Sampled : 2/18/2009

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		02/25/09	XC
Tetrachloroethylene	ug/m3	1.1	0.68		02/25/09	XC
Tetrahydrofuran	ug/m3	40	0.30		02/25/09	XC
Toluene	ug/m3	0.65	0.38		02/25/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.74		02/25/09	XC
1,1,1-Trichloroethane	ug/m3	45	0.54		02/25/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.54		02/25/09	XC
Trichloroethylene	ug/m3	16	0.54		02/25/09	XC
Trichlorofluoromethane	ug/m3	23	0.56		02/25/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	0.76		02/25/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.50		02/25/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.50		02/25/09	XC
Vinyl Acetate	ug/m3	ND	0.36		02/25/09	XC
Vinyl Chloride	ug/m3	13	0.26		02/25/09	XC
m/p-Xylene	ug/m3	ND	0.86		02/25/09	XC
o-Xylene	ug/m3	ND	0.44		02/25/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200902529

2/26/2009
 Page 53 of 55

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 2/19/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23445
 Job Number: 3650080114.11

The following notes were attached to the reported analysis :

Sample ID: * 09B05178
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample PPBv	Results ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D.	N.D.

Sample ID: * 09B05179
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample PPBv	Results ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D.	N.D.

Sample ID: * 09B05180
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample PPBv	Results ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D.	N.D.

Sample ID: * 09B05181
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample PPBv	Results ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D.	N.D.

Sample ID: * 09B05182
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample PPBv	Results ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D.	N.D.

Sample ID: * 09B05182
 Analysis: Ethanol

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

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

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

Purchase Order No.: 200902529

2/26/2009
 Page 54 of 55

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 2/19/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23445
 Job Number: 3650080114.11

Sample ID: * 09B05183

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B05184

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B05185

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B05186

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B05187

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B05188

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.46	3.1	N.D.	N.D.

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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

Project Location: GORHAM SITE-PROVIDENCE-RI

Date Received: 2/19/2009

2/26/2009

Page 55 of 55

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23445

Job Number: 3650080114.11

Sample ID: * 09B05189

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	3.6	25	N.D.	N.D.

Sample ID: * 09B05190

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.18	1.3	N.D.	N.D.

** 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



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 1 of 9

QC Batch Number: BATCH-16102

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B05178	4-Bromofluorobenzene	Surrogate Recovery	105.50	%	70-130
09B05179	4-Bromofluorobenzene	Surrogate Recovery	104.87	%	70-130
09B05180	4-Bromofluorobenzene	Surrogate Recovery	105.00	%	70-130
09B05181	4-Bromofluorobenzene	Surrogate Recovery	105.37	%	70-130
09B05182	4-Bromofluorobenzene	Surrogate Recovery	106.25	%	70-130
09B05183	4-Bromofluorobenzene	Surrogate Recovery	105.12	%	70-130
09B05184	4-Bromofluorobenzene	Surrogate Recovery	103.62	%	70-130
09B05185	4-Bromofluorobenzene	Surrogate Recovery	105.12	%	70-130
09B05186	4-Bromofluorobenzene	Surrogate Recovery	104.37	%	70-130
09B05187	4-Bromofluorobenzene	Surrogate Recovery	103.37	%	70-130
09B05188	4-Bromofluorobenzene	Surrogate Recovery	103.62	%	70-130
09B05189	4-Bromofluorobenzene	Surrogate Recovery	102.87	%	70-130
09B05190	4-Bromofluorobenzene	Surrogate Recovery	104.25	%	70-130
BLANK-129924	Acetone	Blank	2.47	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	<0.12	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	
	Trichloroethylene	Blank	<0.27	ug/m3	



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 2 of 9

QC Batch Number: BATCH-16102

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129924					
	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	0.60	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	<1.1	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	0.38	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	<0.09	ug/m3	
	1,3-Butadiene	Blank	<0.11	ug/m3	



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 3 of 9

QC Batch Number: BATCH-16102

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92055	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	13.69	ug/m3	
		Lab Fort Blk. % Rec.	115.32	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	15.43	ug/m3	
		Lab Fort Blk. % Rec.	96.77	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	37.06	ug/m3	
		Lab Fort Blk. % Rec.	117.86	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	21.49	ug/m3	
		Lab Fort Blk. % Rec.	88.34	%	70-130
1,2-Dichloroethane		Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	20.34	ug/m3	
		Lab Fort Blk. % Rec.	100.50	%	70-130
1,4-Dichlorobenzene		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.15	ug/m3	
		Lab Fort Blk. % Rec.	116.94	%	70-130
Ethyl Acetate		Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	15.04	ug/m3	
		Lab Fort Blk. % Rec.	83.52	%	50-150
Ethylbenzene		Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	22.34	ug/m3	
		Lab Fort Blk. % Rec.	103.08	%	70-130
Hexane		Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	15.76	ug/m3	
		Lab Fort Blk. % Rec.	89.46	%	70-130
Isopropanol		Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	15.96	ug/m3	
		Lab Fort Blk. % Rec.	129.90	%	50-150
2-Butanone (MEK)		Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.60	ug/m3	
		Lab Fort Blk. % Rec.	85.50	%	70-130
4-Methyl-2-Pentanone (MIBK)		Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	25.24	ug/m3	
		Lab Fort Blk. % Rec.	123.24	%	70-130
Styrene		Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	21.95	ug/m3	
		Lab Fort Blk. % Rec.	103.24	%	70-130
Tetrachloroethylene		Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	30.60	ug/m3	
		Lab Fort Blk. % Rec.	90.25	%	70-130
Toluene		Lab Fort Blank Amt.	18.81	ug/m3	



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 4 of 9

QC Batch Number: BATCH-16102

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92055					
	Toluene	Lab Fort Blk. Found	17.32	ug/m3	
		Lab Fort Blk. % Rec.	92.10	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	29.81	ug/m3	
		Lab Fort Blk. % Rec.	109.30	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	26.73	ug/m3	
		Lab Fort Blk. % Rec.	99.49	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	31.82	ug/m3	
		Lab Fort Blk. % Rec.	83.06	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	34.35	ug/m3	
		Lab Fort Blk. % Rec.	122.28	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	24.39	ug/m3	
		Lab Fort Blk. % Rec.	112.34	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	48.49	ug/m3	
		Lab Fort Blk. % Rec.	111.64	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	34.92	ug/m3	
		Lab Fort Blk. % Rec.	116.18	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.18	ug/m3	
		Lab Fort Blk. % Rec.	117.06	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.60	ug/m3	
		Lab Fort Blk. % Rec.	86.98	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.96	ug/m3	
		Lab Fort Blk. % Rec.	90.56	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	12.25	ug/m3	
		Lab Fort Blk. % Rec.	130.12	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.63	ug/m3	
		Lab Fort Blk. % Rec.	116.50	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	14.42	ug/m3	
		Lab Fort Blk. % Rec.	80.04	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.76	ug/m3	



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 5 of 9

QC Batch Number: BATCH-16102

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92055					
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	84.55	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	15.29	ug/m3	
		Lab Fort Blk. % Rec.	119.70	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	16.03	ug/m3	
		Lab Fort Blk. % Rec.	92.36	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	23.52	ug/m3	
		Lab Fort Blk. % Rec.	102.16	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	12.20	ug/m3	
		Lab Fort Blk. % Rec.	118.18	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	18.61	ug/m3	
		Lab Fort Blk. % Rec.	95.93	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	16.20	ug/m3	
		Lab Fort Blk. % Rec.	122.86	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	22.98	ug/m3	
		Lab Fort Blk. % Rec.	101.26	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	24.81	ug/m3	
		Lab Fort Blk. % Rec.	109.30	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	49.82	ug/m3	
		Lab Fort Blk. % Rec.	116.98	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	27.00	ug/m3	
		Lab Fort Blk. % Rec.	99.00	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	67.60	ug/m3	
		Lab Fort Blk. % Rec.	130.78	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	41.68	ug/m3	
		Lab Fort Blk. % Rec.	121.40	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	62.13	ug/m3	
		Lab Fort Blk. % Rec.	116.50	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	42.40	ug/m3	
		Lab Fort Blk. % Rec.	114.28	%	70-130



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 6 of 9

QC Batch Number: BATCH-16102

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92055					
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	29.15	ug/m3	
		Lab Fort Blk. % Rec.	118.60	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	29.17	ug/m3	
		Lab Fort Blk. % Rec.	118.68	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	15.50	ug/m3	
		Lab Fort Blk. % Rec.	90.07	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.24	ug/m3	
		Lab Fort Blk. % Rec.	86.95	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	23.15	ug/m3	
		Lab Fort Blk. % Rec.	100.20	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	25.97	ug/m3	
		Lab Fort Blk. % Rec.	105.04	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	37.71	ug/m3	
		Lab Fort Blk. % Rec.	145.69	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	12.31	ug/m3	
		Lab Fort Blk. % Rec.	79.11	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	15.97	ug/m3	
		Lab Fort Blk. % Rec.	90.72	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	25.54	ug/m3	
		Lab Fort Blk. % Rec.	124.70	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	40.13	ug/m3	
		Lab Fort Blk. % Rec.	119.80	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	38.94	ug/m3	
		Lab Fort Blk. % Rec.	101.34	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	21.54	ug/m3	
		Lab Fort Blk. % Rec.	105.16	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	36.28	ug/m3	
		Lab Fort Blk. % Rec.	103.80	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 7 of 9

QC Batch Number: BATCH-16102

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92055	Tetrahydrofuran	Lab Fort Blk. Found	13.13	ug/m3	
		Lab Fort Blk. % Rec.	89.08	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	8.94	ug/m3	
	1,3-Butadiene	Lab Fort Blk. % Rec.	103.96	%	50-150
		Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	12.66	ug/m3	
		Lab Fort Blk. % Rec.	114.46	%	70-130



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

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: 2/26/2009

Lims Bat # : LIMIT-23445

Page 8 of 9

NOTES:

QC Batch No. : BATCH-16102
Sample ID : LFBLANK-92055
Analysis : Benzyl Chloride

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16102
Sample ID : LFBLANK-92055
Analysis : Bromoform

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH 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: 2/26/2009

Lims Bat #: LIMIT-23445

Page 9 of 9

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
 www.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
Wakefield, MA 01880

Attention: Mike Murphy

Project Location: Greenham Site, Providence, RI
 Sampled By: RJM

Proposal Provided? (For Billing purposes)
 Yes 2-11-09 proposal date

Telephone: (781) 245-6666
 Project # 3650080114.11
 Client PO # _____

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

Field ID	Sample Description	Media	Lab #	Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate (M ³ /Min. or L/Min)	Volume (Liters or M ³)	Matrix Code*	Analysis Requested	Hg	Flow Controller ID
IA-1-021809		S	D9805178	2-18-09 07:53	2-18-09 08:23	30	0.2	6	IA	X	-21	1087
IA-2-021809		S		2-18-09 07:55	2-18-09 08:25	30	0.2	6	IA	X	-30	1030
IA-3-021809		S		2-18-09 07:57	2-18-09 08:27	30	0.2	6	IA	X	-30	1298
IA-4-021809		S		2-18-09 07:58	2-18-09 08:28	30	0.2	6	IA	X	-30	1100
IA-5-021809		S		2-18-09 10:24	2-18-09 10:54	30	0.2	6	IA	X	-30	1122
IA-6-021809		S		2-18-09 08:51	2-18-09 09:21	30	0.2	6	IA	X	-26	1021
IA-7-021809		S		2-18-09 08:53	2-18-09 09:23	30	0.2	6	IA	X	-29	1300
AA-1-021809		S		2-18-09 09:01	2-18-09 09:31	30	0.2	6	AMB	X	-21.5	1825

Laboratory Comments:

CLIENT COMMENTS:

ANALYSIS REQUESTED

Low level scan

Summa canisters 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.

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

Relinquished by: (signature) _____ Date/Time: 2-19-09/1205

Received by: (signature) _____ Date/Time: 2-19-09/1204

Relinquished by: (signature) _____ Date/Time: 2-19-09/1204

Received by: (signature) _____ Date/Time: 2-19-09/1900

Turnaround **
 7-Day
 10-Day
 Other _____
RUSH*
 *24-Hr *48-Hr
 *72-Hr *4-Day

Approval Required

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

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

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

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

AIHA, NELAP & WEDBE Certified



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.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
Wakefield, MA 01880

Attention: Mike Murphy

Project Location: Graham Site, Providence, RI
 Sampled By: PSM

Proposal Provided? (For Billing purposes)

yes 2-11-09 proposal date

Telephone: (401) 245-6606
 Project # 3050000114
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: m.j.murphy@mac-tec.com
 Format: EXCEL PDF GIS KEY OTHER _____

ONLY USE WHEN USING PUMPS

Field ID	Sample Description	Media	Lab #	Date		Total Minutes Sampled	Flow Rate (L/Min)	Volume (Liters or M ³)	Matrix Code*	Analysis Requested	"Hg" Release	Please fill out completely, sign, date and retain the yellow copy for your record.
				Start Time	Stop Time							

EW-5-021809	S	DBDS186	2-18-09 0915	2-18-09 0945	30	0.2	6	SG	X	10-15 Lowlevel Scan	Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.
-------------	---	---------	--------------	--------------	----	-----	---	----	---	---------------------	--

EW-6-021809	S		2-18-09 0919	2-18-09 0949	30	0.2	6	SG	X		Summa canisters must be returned within 14 days of receipt or rental fees will apply.
-------------	---	--	--------------	--------------	----	-----	---	----	---	--	---

EW-7-021809	S		2-18-09 0924	2-18-09 0954	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.
-------------	---	--	--------------	--------------	----	-----	---	----	---	--	--

EW-Comb-021809	S		2-18-09 1104	2-18-09 1134	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.
----------------	---	--	--------------	--------------	----	-----	---	----	---	--	--

Post Carbon-021809	S		2-18-09 1113	2-18-09 1143	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.
--------------------	---	--	--------------	--------------	----	-----	---	----	---	--	--

Client	Field ID	Sample Description	Media	Lab #	Date	Stop	Total	Flow Rate	Volume	Matrix Code*	Analysis Requested	"Hg" Release	Please fill out completely, sign, date and retain the yellow copy for your record.
	EW-5-021809	S	DBDS186	2-18-09 0915	2-18-09 0945	30	0.2	6	SG	X	10-15 Lowlevel Scan	Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.	
	EW-6-021809	S		2-18-09 0919	2-18-09 0949	30	0.2	6	SG	X		Summa canisters must be returned within 14 days of receipt or rental fees will apply.	
	EW-7-021809	S		2-18-09 0924	2-18-09 0954	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.	
	EW-Comb-021809	S		2-18-09 1104	2-18-09 1134	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.	
	Post Carbon-021809	S		2-18-09 1113	2-18-09 1143	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.	

CLIENT COMMENTS:

Laboratory Comments: EW-5-021809, EW-6-021809, EW-7-021809, EW-Comb-021809, and Post Carbon-021809 are sampled from source area soil gas

Relinquished by: (signature) _____ Date/Time: 2-19-09 / 1205

Received by: (signature) _____ Date/Time: 2-19-09 / 1205

Relinquished by: (signature) _____ Date/Time: 2-19-09 / 7pm

Received by: (signature) _____ Date/Time: 2-19-09 / 1900

Turnaround **

7-Day 10-Day Other _____

24-Hr 48-Hr 72-Hr 4-Day

Approval Required

Special Requirements

Regulations: AT Target Indoor Air (Commercial)

Data Enhancement/RCP? Y N

Enhanced Data Package Y N

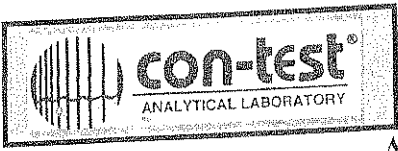
Required Detection Limits: AT Target Indoor Air Conc. (Commercial)

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

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

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

AIHA, NELAP & WBE/DBE Certified



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MACTEC DATE: 02/19/09
RECEIVED BY: ILM

Was chain of custody relinquished and signed? YES NO
Does Chain agree with samples? YES NO

If not, explain: _____

All Samples in good condition? YES NO

If not, explain: _____

Are there any on hold samples? YES NO STORED WHERE: _____

ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED? _____ DATE _____ TIME _____

Location where samples are stored: ASA

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	14
Tedlar Bags	
Regulators	
Restrictors	14
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: 200902837

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23622
 JOB NUMBER: 3650080114.11

PROJECT LOCATION: PROVIDENCE, RI

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-022609	09B06210	AIR	Not Specified	to-15 ppbv	
*AA-1-022609	09B06210	AIR	Not Specified	to-15 ug/m3	
*EW-5-022609	09B06211	AIR	Not Specified	to-15 ppbv	
*EW-5-022609	09B06211	AIR	Not Specified	to-15 ug/m3	
*EW-6-022609	09B06212	AIR	Not Specified	to-15 ppbv	
*EW-6-022609	09B06212	AIR	Not Specified	to-15 ug/m3	
*EW-7-022609	09B06213	AIR	Not Specified	to-15 ppbv	
*EW-7-022609	09B06213	AIR	Not Specified	to-15 ug/m3	
*EW-COMBINED-02	09B06214	AIR	Not Specified	to-15 ppbv	
*EW-COMBINED-02	09B06214	AIR	Not Specified	to-15 ug/m3	
*EW-POST CARBO	09B06215	AIR	Not Specified	to-15 ppbv	
*EW-POST CARBO	09B06215	AIR	Not Specified	to-15 ug/m3	
*IA-1-022609	09B06203	AIR	Not Specified	to-15 ppbv	
*IA-1-022609	09B06203	AIR	Not Specified	to-15 ug/m3	
*IA-2-022609	09B06204	AIR	Not Specified	to-15 ppbv	
*IA-2-022609	09B06204	AIR	Not Specified	to-15 ug/m3	
*IA-3-022609	09B06205	AIR	Not Specified	to-15 ppbv	
*IA-3-022609	09B06205	AIR	Not Specified	to-15 ug/m3	
*IA-4-022609	09B06206	AIR	Not Specified	to-15 ppbv	
*IA-4-022609	09B06206	AIR	Not Specified	to-15 ug/m3	
*IA-5-022609	09B06207	AIR	Not Specified	to-15 ppbv	
*IA-5-022609	09B06207	AIR	Not Specified	to-15 ug/m3	
*IA-6-022609	09B06208	AIR	Not Specified	to-15 ppbv	
*IA-6-022609	09B06208	AIR	Not Specified	to-15 ug/m3	
*IA-7-022609	09B06209	AIR	Not Specified	to-15 ppbv	
*IA-7-022609	09B06209	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
 OF PARAMETERS ORDERED BY:**



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

CONTRACT NUMBER:
 PURCHASE ORDER NUMBER: 200902837

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23622
 JOB NUMBER: 3650080114.11

Comments :

LIMS BATCH NO. : LIMIT-23622

CASE NARRATIVE SUMMARY

In method TO-15, method blank-130335 contained Acetone at 0.40 ppbv = 0.95 ug/m3, Ethanol at 0.16 ppbv = 0.30 ug/m3 and 2-Butanone(MEK) at 0.07 ppbv = 0.22 ug/m3.

In method TO-15, for sample 09B06207, reported result for Ethanol is estimated. Value is reported over the verified linear calibration range.

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

In method TO-15, any reported result for 1,2-Dichloropropane 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.

Sample	Dilution	Compound(s)
09B06203	1x	All
09B06204	1x	All
09B06205	1x	All
09B06206	1x	All
09B06207	1x	All
09B06208	1x	All
09B06209	1x	All
09B06210	1x	All
09B06210dup	1x	All
09B06211	20x = 40ml + 2x pressurize 200x	Most 1,1,1-trichloroethane, trichloroethylene
09B06212	20x = 40ml + 2x pressurize 400x	Most 1,1,1-trichloroethane, trichloroethylene
09B06213	5x = 160ml + 2x pressurize 80x	Most 1,1,1-trichloroethane, 1,1-dichloroethane cis-1,2-dichloroethylene
09B06214	40x = 20ml + 2x pressurize 400x	Most 1,1,1-trichloroethane, trichloroethylene
09B06215	2x 80x	Most chloroethane, 1,1-dichloroethane, 1,1-dichloroethylene cis-1,2-dichloroethylene, trichlorofluoromethane
blank-130335	0.5x=800ml sample	All
blank-130336	0.5x=800ml sample	All

Method blank-130335 is associated with samples 09B06203 - 09B06215 and dilutions.
 Method blank-130336 is associated with 200x and 400x dilutions.

Lfblank-92505 is associated with samples 09B06203 - 09B06215 and dilutions.
 Lfblank-92506 is associated with 200x and 400x dilutions.



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

REPORT DATE 3/9/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200902837

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23622
JOB NUMBER: 3650080114.11

In method TO-15, for Bromoform and 1,2,4-Trichlorobenzene, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

In method TO-15, data is not affected by laboratory fortified blank recovery outliers for Bromoform and 1,2,4-Trichlorobenzene since all results are "not detected" and recovery bias is on the high side.

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.

Edward Denson 3/9/09
SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

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

Project Location: PROVIDENCE, RI
Date Received: 2/27/2009

Purchase Order No.: 200902837

3/9/2009
Page 1 of 55

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23622
Job Number: 3650080114.11

Field Sample # : AA-1-022609

Sample ID : *09B06210 ‡Sampled : 2/26/2009
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.5	0.05		03/05/09	WSD
Benzene	PPBv	0.13	0.05		03/05/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/05/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/05/09	WSD
Bromoform	PPBv	ND	0.05		03/05/09	WSD
Bromomethane	PPBv	ND	0.05		03/05/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/05/09	WSD
2-Butanone (MEK)	PPBv	0.55	0.05		03/05/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/05/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		03/05/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/05/09	WSD
Chloroethane	PPBv	ND	0.05		03/05/09	WSD
Chloroform	PPBv	ND	0.05		03/05/09	WSD
Chloromethane	PPBv	0.52	0.05		03/05/09	WSD
Cyclohexane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Dichlorodifluoromethane	PPBv	0.52	0.05		03/05/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/05/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/05/09	WSD
Ethanol	PPBv	2.3	0.05		03/05/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/05/09	WSD
Ethylbenzene	PPBv	ND	0.05		03/05/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/05/09	WSD
n-Heptane	PPBv	ND	0.05		03/05/09	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

3/9/2009
 Page 2 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : AA-1-022609

Sample ID : *09B06210 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Hexane	PPBv	0.11	0.05		03/05/09	WSD
2-Hexanone	PPBv	ND	0.05		03/05/09	WSD
Isopropanol	PPBv	0.55	0.05		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/05/09	WSD
Methylene Chloride	PPBv	0.23	0.05		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/05/09	WSD
Propene	PPBv	ND	0.10		03/05/09	WSD
Styrene	PPBv	ND	0.05		03/05/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/05/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		03/05/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		03/05/09	WSD
Toluene	PPBv	0.19	0.05		03/05/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
Trichloroethylene	PPBv	ND	0.05		03/05/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.26	0.05		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		03/05/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/05/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/05/09	WSD
m/p-Xylene	PPBv	0.10	0.10		03/05/09	WSD
o-Xylene	PPBv	ND	0.05		03/05/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	8.4	0.12		03/05/09	WSD
Benzene	ug/m3	0.43	0.16		03/05/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/05/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/05/09	WSD
Bromoform	ug/m3	ND	0.51		03/05/09	WSD
Bromomethane	ug/m3	ND	0.19		03/05/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/05/09	WSD
2-Butanone (MEK)	ug/m3	1.6	0.15		03/05/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/05/09	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

3/9/2009
 Page 3 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : AA-1-022609

Sample ID : *09B06210 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/05/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/05/09	WSD
Chloroethane	ug/m3	ND	0.13		03/05/09	WSD
Chloroform	ug/m3	ND	0.24		03/05/09	WSD
Chloromethane	ug/m3	1.1	0.10		03/05/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/05/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/05/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/05/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/05/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/05/09	WSD
Ethanol	ug/m3	4.3	0.09		03/05/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/05/09	WSD
Ethylbenzene	ug/m3	ND	0.22		03/05/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/05/09	WSD
n-Heptane	ug/m3	ND	0.20		03/05/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/05/09	WSD
Hexane	ug/m3	0.38	0.18		03/05/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/05/09	WSD
Isopropanol	ug/m3	1.4	0.12		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/05/09	WSD
Methylene Chloride	ug/m3	0.78	0.17		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/05/09	WSD
Propene	ug/m3	ND	0.18		03/05/09	WSD
Styrene	ug/m3	ND	0.21		03/05/09	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

3/9/2009
 Page 4 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : AA-1-022609

Sample ID : *09B06210 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		03/05/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		03/05/09	WSD
Toluene	ug/m3	0.71	0.19		03/05/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/05/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
Trichloroethylene	ug/m3	ND	0.27		03/05/09	WSD
Trichlorofluoromethane	ug/m3	1.5	0.28		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		03/05/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/05/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/05/09	WSD
m/p-Xylene	ug/m3	0.44	0.43		03/05/09	WSD
o-Xylene	ug/m3	ND	0.22		03/05/09	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.: 200902837

3/9/2009
 Page 5 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-5-022609

Sample ID : *09B06211 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	12	1.0		03/06/99	WSD
Benzene	PPBv	1.5	1.0		03/06/99	WSD
Benzyl Chloride	PPBv	ND	1.0		03/06/99	WSD
Bromodichloromethane	PPBv	ND	1.0		03/06/99	WSD
Bromoform	PPBv	ND	1.0		03/06/99	WSD
Bromomethane	PPBv	ND	1.0		03/06/99	WSD
1,3-Butadiene	PPBv	ND	1.0		03/06/99	WSD
2-Butanone (MEK)	PPBv	56	1.0		03/06/99	WSD
Carbon Disulfide	PPBv	ND	1.0		03/06/99	WSD
Carbon Tetrachloride	PPBv	ND	1.0		03/06/99	WSD
Chlorobenzene	PPBv	ND	1.0		03/06/99	WSD
Chlorodibromomethane	PPBv	ND	1.0		03/06/99	WSD
Chloroethane	PPBv	4.1	1.0		03/06/99	WSD
Chloroform	PPBv	3.2	1.0		03/06/99	WSD
Chloromethane	PPBv	ND	1.0		03/06/99	WSD
Cyclohexane	PPBv	ND	1.0		03/06/99	WSD
1,2-Dibromoethane	PPBv	ND	1.0		03/06/99	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		03/06/99	WSD
1,1-Dichloroethane	PPBv	190	1.0		03/06/99	WSD
1,2-Dichloroethane	PPBv	ND	1.0		03/06/99	WSD
1,1-Dichloroethylene	PPBv	48	1.0		03/06/99	WSD
cis-1,2-Dichloroethylene	PPBv	100	1.0		03/06/99	WSD
t-1,2-Dichloroethylene	PPBv	1.2	1.0		03/06/99	WSD
1,2-Dichloropropane	PPBv	ND	1.0		03/06/99	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		03/06/99	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		03/06/99	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		03/06/99	WSD
Ethanol	PPBv	17	1.0		03/06/99	WSD
Ethyl Acetate	PPBv	ND	2.0		03/06/99	WSD
Ethylbenzene	PPBv	ND	1.0		03/06/99	WSD
4-Ethyl Toluene	PPBv	ND	1.0		03/06/99	WSD
n-Heptane	PPBv	ND	1.0		03/06/99	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

3/9/2009
 Page 6 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-5-022609

Sample ID : *09B06211 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	2.0		03/06/99	WSD
Hexane	PPBv	ND	1.0		03/06/99	WSD
2-Hexanone	PPBv	ND	1.0		03/06/99	WSD
Isopropanol	PPBv	ND	2.0		03/06/99	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		03/06/99	WSD
Methylene Chloride	PPBv	ND	2.0		03/06/99	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		03/06/99	WSD
Propene	PPBv	ND	2.0		03/06/99	WSD
Styrene	PPBv	ND	1.0		03/06/99	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		03/06/99	WSD
Tetrachloroethylene	PPBv	14	1.0		03/06/99	WSD
Tetrahydrofuran	PPBv	48	1.0		03/06/99	WSD
Toluene	PPBv	ND	1.0		03/06/99	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
1,1,1-Trichloroethane	PPBv	1300	1.0		03/06/99	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		03/06/99	WSD
Trichloroethylene	PPBv	1600	1.0		03/06/99	WSD
Trichlorofluoromethane (Freon 11)	PPBv	12	1.0		03/06/99	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		03/06/99	WSD
1,2,4-Trimethylbenzene	PPBv	ND	1.0		03/06/99	WSD
1,3,5-Trimethylbenzene	PPBv	ND	1.0		03/06/99	WSD
Vinyl Acetate	PPBv	ND	4.0		03/06/99	WSD
Vinyl Chloride	PPBv	ND	1.0		03/06/99	WSD
m/p-Xylene	PPBv	ND	2.0		03/06/99	WSD
o-Xylene	PPBv	ND	1.0		03/06/99	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	29	2.4		03/06/09	WSD
Benzene	ug/m3	4.8	3.2		03/06/09	WSD
Benzyl Chloride	ug/m3	ND	5.2		03/06/09	WSD
Bromodichloromethane	ug/m3	ND	6.6		03/06/09	WSD
Bromoform	ug/m3	ND	11		03/06/09	WSD
Bromomethane	ug/m3	ND	3.8		03/06/09	WSD
1,3-Butadiene	ug/m3	ND	2.2		03/06/09	WSD
2-Butanone (MEK)	ug/m3	170	3.0		03/06/09	WSD
Carbon Disulfide	ug/m3	ND	3.2		03/06/09	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.: 200902837

3/9/2009
 Page 7 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-5-022609

Sample ID : *09B06211 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Chlorobenzene	ug/m3	ND	4.6		03/06/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		03/06/09	WSD
Chloroethane	ug/m3	11	2.6		03/06/09	WSD
Chloroform	ug/m3	16	4.8		03/06/09	WSD
Chloromethane	ug/m3	ND	2.0		03/06/09	WSD
Cyclohexane	ug/m3	ND	3.4		03/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		03/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		03/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		03/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		03/06/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		03/06/09	WSD
1,1-Dichloroethane	ug/m3	770	4.0		03/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		03/06/09	WSD
1,1-Dichloroethylene	ug/m3	190	4.0		03/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	410	4.0		03/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	4.7	4.0		03/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		03/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		03/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		03/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		03/06/09	WSD
Ethanol	ug/m3	33	1.8		03/06/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		03/06/09	WSD
Ethylbenzene	ug/m3	ND	4.4		03/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		03/06/09	WSD
n-Heptane	ug/m3	ND	4.0		03/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		03/06/09	WSD
Hexane	ug/m3	ND	3.6		03/06/09	WSD
2-Hexanone	ug/m3	ND	4.0		03/06/09	WSD
Isopropanol	ug/m3	ND	5.0		03/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		03/06/09	WSD
Methylene Chloride	ug/m3	ND	7.0		03/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		03/06/09	WSD
Propene	ug/m3	ND	3.5		03/06/09	WSD
Styrene	ug/m3	ND	4.2		03/06/09	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.: 200902837

3/9/2009
 Page 8 of 55

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : EW-5-022609

Sample ID : *09B06211 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Tetrachloroethylene	ug/m3	97	6.8		03/06/09	WSD
Tetrahydrofuran	ug/m3	140	3.0		03/06/09	WSD
Toluene	ug/m3	ND	3.8		03/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		03/06/09	WSD
1,1,1-Trichloroethane	ug/m3	7100	5.4		03/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		03/06/09	WSD
Trichloroethylene	ug/m3	8900	5.4		03/06/09	WSD
Trichlorofluoromethane	ug/m3	67	5.6		03/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		03/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		03/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		03/06/09	WSD
Vinyl Acetate	ug/m3	ND	15		03/06/09	WSD
Vinyl Chloride	ug/m3	ND	2.6		03/06/09	WSD
m/p-Xylene	ug/m3	ND	8.6		03/06/09	WSD
o-Xylene	ug/m3	ND	4.4		03/06/09	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.: 200902837

3/9/2009
 Page 9 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-6-022609

Sample ID : *09B06212 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	14	1.0		03/06/99	WSD
Benzene	PPBv	ND	1.0		03/06/99	WSD
Benzyl Chloride	PPBv	ND	1.0		03/06/99	WSD
Bromodichloromethane	PPBv	ND	1.0		03/06/99	WSD
Bromoform	PPBv	ND	1.0		03/06/99	WSD
Bromomethane	PPBv	ND	1.0		03/06/99	WSD
1,3-Butadiene	PPBv	ND	1.0		03/06/99	WSD
2-Butanone (MEK)	PPBv	46	1.0		03/06/99	WSD
Carbon Disulfide	PPBv	ND	1.0		03/06/99	WSD
Carbon Tetrachloride	PPBv	ND	1.0		03/06/99	WSD
Chlorobenzene	PPBv	ND	1.0		03/06/99	WSD
Chlorodibromomethane	PPBv	ND	1.0		03/06/99	WSD
Chloroethane	PPBv	6.9	1.0		03/06/99	WSD
Chloroform	PPBv	5.9	1.0		03/06/99	WSD
Chloromethane	PPBv	ND	1.0		03/06/99	WSD
Cyclohexane	PPBv	ND	1.0		03/06/99	WSD
1,2-Dibromoethane	PPBv	ND	1.0		03/06/99	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		03/06/99	WSD
1,1-Dichloroethane	PPBv	540	1.0		03/06/99	WSD
1,2-Dichloroethane	PPBv	ND	1.0		03/06/99	WSD
1,1-Dichloroethylene	PPBv	28	1.0		03/06/99	WSD
cis-1,2-Dichloroethylene	PPBv	63	1.0		03/06/99	WSD
t-1,2-Dichloroethylene	PPBv	1.6	1.0		03/06/99	WSD
1,2-Dichloropropane	PPBv	ND	1.0		03/06/99	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		03/06/99	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		03/06/99	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		03/06/99	WSD
Ethanol	PPBv	20	1.0		03/06/99	WSD
Ethyl Acetate	PPBv	ND	2.0		03/06/99	WSD
Ethylbenzene	PPBv	ND	1.0		03/06/99	WSD
4-Ethyl Toluene	PPBv	ND	1.0		03/06/99	WSD
n-Heptane	PPBv	ND	1.0		03/06/99	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.: 200902837

3/9/2009
 Page 10 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : EW-6-022609

Sample ID : *09B06212 ‡Sampled : 2/26/2009
 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		03/06/99	WSD
Hexane	PPBv	ND	1.0		03/06/99	WSD
2-Hexanone	PPBv	ND	1.0		03/06/99	WSD
Isopropanol	PPBv	6.1	1.0		03/06/99	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		03/06/99	WSD
Methylene Chloride	PPBv	ND	2.0		03/06/99	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		03/06/99	WSD
Propene	PPBv	ND	2.0		03/06/99	WSD
Styrene	PPBv	ND	1.0		03/06/99	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		03/06/99	WSD
Tetrachloroethylene	PPBv	42	1.0		03/06/99	WSD
Tetrahydrofuran	PPBv	250	1.0		03/06/99	WSD
Toluene	PPBv	ND	1.0		03/06/99	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		03/06/99	WSD
1,1,1-Trichloroethane	PPBv	2900	1.0		03/06/99	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		03/06/99	WSD
Trichloroethylene	PPBv	830	1.0		03/06/99	WSD
Trichlorofluoromethane (Freon 11)	PPBv	62	1.0		03/06/99	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		03/06/99	WSD
1,2,4-Trimethylbenzene	PPBv	3.3	1.0		03/06/99	WSD
1,3,5-Trimethylbenzene	PPBv	1.5	1.0		03/06/99	WSD
Vinyl Acetate	PPBv	ND	4.0		03/06/99	WSD
Vinyl Chloride	PPBv	ND	1.0		03/06/99	WSD
m/p-Xylene	PPBv	ND	2.0		03/06/99	WSD
o-Xylene	PPBv	ND	1.0		03/06/99	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	33	2.4		03/06/09	WSD
Benzene	ug/m3	ND	3.2		03/06/09	WSD
Benzyl Chloride	ug/m3	ND	5.2		03/06/09	WSD
Bromodichloromethane	ug/m3	ND	6.6		03/06/09	WSD
Bromoform	ug/m3	ND	11		03/06/09	WSD
Bromomethane	ug/m3	ND	3.8		03/06/09	WSD
1,3-Butadiene	ug/m3	ND	2.2		03/06/09	WSD
2-Butanone (MEK)	ug/m3	130	3.0		03/06/09	WSD
Carbon Disulfide	ug/m3	ND	3.2		03/06/09	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

Purchase Order No.: 200902837

3/9/2009
 Page 11 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : EW-6-022609

Sample ID : *09B06212 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Chlorobenzene	ug/m3	ND	4.6		03/06/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		03/06/09	WSD
Chloroethane	ug/m3	18	2.6		03/06/09	WSD
Chloroform	ug/m3	29	4.8		03/06/09	WSD
Chloromethane	ug/m3	ND	2.0		03/06/09	WSD
Cyclohexane	ug/m3	ND	3.4		03/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		03/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		03/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		03/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		03/06/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		03/06/09	WSD
1,1-Dichloroethane	ug/m3	2200	4.0		03/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		03/06/09	WSD
1,1-Dichloroethylene	ug/m3	110	4.0		03/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	250	4.0		03/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	6.4	4.0		03/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		03/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		03/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		03/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		03/06/09	WSD
Ethanol	ug/m3	38	1.8		03/06/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		03/06/09	WSD
Ethylbenzene	ug/m3	ND	4.4		03/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		03/06/09	WSD
n-Heptane	ug/m3	ND	4.0		03/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		03/06/09	WSD
Hexane	ug/m3	ND	3.6		03/06/09	WSD
2-Hexanone	ug/m3	ND	4.0		03/06/09	WSD
Isopropanol	ug/m3	15	2.4		03/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		03/06/09	WSD
Methylene Chloride	ug/m3	ND	7.0		03/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		03/06/09	WSD
Propene	ug/m3	ND	3.5		03/06/09	WSD
Styrene	ug/m3	ND	4.2		03/06/09	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.: 200902837

3/9/2009
 Page 12 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : EW-6-022609

Sample ID : *09B06212 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Tetrachloroethylene	ug/m3	290	6.8		03/06/09	WSD
Tetrahydrofuran	ug/m3	730	3.0		03/06/09	WSD
Toluene	ug/m3	ND	3.8		03/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		03/06/09	WSD
1,1,1-Trichloroethane	ug/m3	16000	5.4		03/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		03/06/09	WSD
Trichloroethylene	ug/m3	4400	5.4		03/06/09	WSD
Trichlorofluoromethane	ug/m3	350	5.6		03/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		03/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	16	5.0		03/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	7.3	5.0		03/06/09	WSD
Vinyl Acetate	ug/m3	ND	15		03/06/09	WSD
Vinyl Chloride	ug/m3	ND	2.6		03/06/09	WSD
m/p-Xylene	ug/m3	ND	8.6		03/06/09	WSD
o-Xylene	ug/m3	ND	4.4		03/06/09	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.: 200902837

3/9/2009
 Page 13 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-7-022609

Sample ID : *09B06213 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	13	0.25		03/06/99	WSD
Benzene	PPBv	0.61	0.25		03/06/99	WSD
Benzyl Chloride	PPBv	ND	0.25		03/06/99	WSD
Bromodichloromethane	PPBv	ND	0.25		03/06/99	WSD
Bromoform	PPBv	ND	0.25		03/06/99	WSD
Bromomethane	PPBv	ND	0.25		03/06/99	WSD
1,3-Butadiene	PPBv	ND	0.25		03/06/99	WSD
2-Butanone (MEK)	PPBv	2.9	0.25		03/06/99	WSD
Carbon Disulfide	PPBv	1.2	0.25		03/06/99	WSD
Carbon Tetrachloride	PPBv	ND	0.25		03/06/99	WSD
Chlorobenzene	PPBv	ND	0.25		03/06/99	WSD
Chlorodibromomethane	PPBv	ND	0.25		03/06/99	WSD
Chloroethane	PPBv	15	0.25		03/06/99	WSD
Chloroform	PPBv	0.26	0.25		03/06/99	WSD
Chloromethane	PPBv	ND	0.25		03/06/99	WSD
Cyclohexane	PPBv	1.1	0.25		03/06/99	WSD
1,2-Dibromoethane	PPBv	ND	0.25		03/06/99	WSD
1,2-Dichlorobenzene	PPBv	ND	0.25		03/06/99	WSD
1,3-Dichlorobenzene	PPBv	ND	0.25		03/06/99	WSD
1,4-Dichlorobenzene	PPBv	ND	0.25		03/06/99	WSD
Dichlorodifluoromethane	PPBv	160	0.25		03/06/99	WSD
1,1-Dichloroethane	PPBv	520	0.25		03/06/99	WSD
1,2-Dichloroethane	PPBv	ND	0.25		03/06/99	WSD
1,1-Dichloroethylene	PPBv	2.4	0.25		03/06/99	WSD
cis-1,2-Dichloroethylene	PPBv	440	0.25		03/06/99	WSD
t-1,2-Dichloroethylene	PPBv	23	0.25		03/06/99	WSD
1,2-Dichloropropane	PPBv	ND	0.25		03/06/99	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.25		03/06/99	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.25		03/06/99	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.25		03/06/99	WSD
Ethanol	PPBv	8.9	0.25		03/06/99	WSD
Ethyl Acetate	PPBv	ND	0.50		03/06/99	WSD
Ethylbenzene	PPBv	ND	0.25		03/06/99	WSD
4-Ethyl Toluene	PPBv	ND	0.25		03/06/99	WSD
n-Heptane	PPBv	ND	0.25		03/06/99	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

3/9/2009
 Page 14 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-7-022609

Sample ID : *09B06213 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.50		03/06/99	WSD
Hexane	PPBv	1.6	0.25		03/06/99	WSD
2-Hexanone	PPBv	ND	0.25		03/06/99	WSD
Isopropanol	PPBv	5.0	0.25		03/06/99	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	1.4	0.25		03/06/99	WSD
Methylene Chloride	PPBv	0.52	0.25		03/06/99	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.25		03/06/99	WSD
Propene	PPBv	ND	0.50		03/06/99	WSD
Styrene	PPBv	ND	0.25		03/06/99	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.25		03/06/99	WSD
Tetrachloroethylene	PPBv	12	0.25		03/06/99	WSD
Tetrahydrofuran	PPBv	4.8	0.25		03/06/99	WSD
Toluene	PPBv	0.45	0.25		03/06/99	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.25		03/06/99	WSD
1,1,1-Trichloroethane	PPBv	1500	0.25		03/06/99	WSD
1,1,2-Trichloroethane	PPBv	ND	0.25		03/06/99	WSD
Trichloroethylene	PPBv	34	0.25		03/06/99	WSD
Trichlorofluoromethane (Freon 11)	PPBv	120	0.25		03/06/99	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.25		03/06/99	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.25		03/06/99	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.25		03/06/99	WSD
Vinyl Acetate	PPBv	ND	1.0		03/06/99	WSD
Vinyl Chloride	PPBv	19	0.25		03/06/99	WSD
m/p-Xylene	PPBv	ND	0.50		03/06/99	WSD
o-Xylene	PPBv	ND	0.25		03/06/99	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	30	0.60		03/06/09	WSD
Benzene	ug/m3	1.9	0.80		03/06/09	WSD
Benzyl Chloride	ug/m3	ND	1.3		03/06/09	WSD
Bromodichloromethane	ug/m3	ND	1.7		03/06/09	WSD
Bromoform	ug/m3	ND	2.6		03/06/09	WSD
Bromomethane	ug/m3	ND	0.95		03/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.55		03/06/09	WSD
2-Butanone (MEK)	ug/m3	8.5	0.75		03/06/09	WSD
Carbon Disulfide	ug/m3	3.7	0.80		03/06/09	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.: 200902837

3/9/2009
 Page 15 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : EW-7-022609

Sample ID : *09B06213 ‡Sampled : 2/26/2009
 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	1.6		03/06/09	WSD
Chlorobenzene	ug/m3	ND	1.2		03/06/09	WSD
Chlorodibromomethane	ug/m3	ND	2.2		03/06/09	WSD
Chloroethane	ug/m3	41	0.65		03/06/09	WSD
Chloroform	ug/m3	1.3	1.2		03/06/09	WSD
Chloromethane	ug/m3	ND	0.50		03/06/09	WSD
Cyclohexane	ug/m3	3.7	0.85		03/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	1.9		03/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	1.5		03/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	1.5		03/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	1.5		03/06/09	WSD
Dichlorodifluoromethane	ug/m3	770	1.3		03/06/09	WSD
1,1-Dichloroethane	ug/m3	2100	1.0		03/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	1.0		03/06/09	WSD
1,1-Dichloroethylene	ug/m3	9.4	1.0		03/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1700	1.0		03/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	90	1.0		03/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	1.2		03/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	1.1		03/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	1.1		03/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	1.8		03/06/09	WSD
Ethanol	ug/m3	17	0.45		03/06/09	WSD
Ethyl Acetate	ug/m3	ND	1.9		03/06/09	WSD
Ethylbenzene	ug/m3	ND	1.1		03/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	1.3		03/06/09	WSD
n-Heptane	ug/m3	ND	1.0		03/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	5.4		03/06/09	WSD
Hexane	ug/m3	5.5	0.90		03/06/09	WSD
2-Hexanone	ug/m3	ND	1.0		03/06/09	WSD
Isopropanol	ug/m3	12	0.60		03/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	4.9	0.90		03/06/09	WSD
Methylene Chloride	ug/m3	1.8	0.85		03/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	1.0		03/06/09	WSD
Propene	ug/m3	ND	0.87		03/06/09	WSD
Styrene	ug/m3	ND	1.1		03/06/09	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

3/9/2009
 Page 16 of 55

Purchase Order No.: 200902837

Project Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

LIMS-BAT #: LIMIT-23622

Job Number: 3650080114.11

Field Sample # : EW-7-022609

Sample ID : *09B06213 ‡Sampled : 2/26/2009
 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	1.7		03/06/09	WSD
Tetrachloroethylene	ug/m3	84	1.7		03/06/09	WSD
Tetrahydrofuran	ug/m3	14	0.75		03/06/09	WSD
Toluene	ug/m3	1.7	0.95		03/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	1.9		03/06/09	WSD
1,1,1-Trichloroethane	ug/m3	8200	1.4		03/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	1.4		03/06/09	WSD
Trichloroethylene	ug/m3	180	1.4		03/06/09	WSD
Trichlorofluoromethane	ug/m3	690	1.4		03/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	1.9		03/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	1.3		03/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	1.3		03/06/09	WSD
Vinyl Acetate	ug/m3	ND	3.6		03/06/09	WSD
Vinyl Chloride	ug/m3	48	0.65		03/06/09	WSD
m/p-Xylene	ug/m3	ND	2.2		03/06/09	WSD
o-Xylene	ug/m3	ND	1.1		03/06/09	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.: 200902837

Project Location: PROVIDENCE, RI
Date Received: 2/27/2009

3/9/2009
Page 17 of 55
Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23622
Job Number: 3650080114.11

Field Sample # : EW-COMBINED-022609

Sample ID : *09B06214 ‡Sampled : 2/26/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	26	2.0		03/06/99	WSD
Benzene	PPBv	ND	2.0		03/06/99	WSD
Benzyl Chloride	PPBv	ND	2.0		03/06/99	WSD
Bromodichloromethane	PPBv	ND	2.0		03/06/99	WSD
Bromoform	PPBv	ND	2.0		03/06/99	WSD
Bromomethane	PPBv	ND	2.0		03/06/99	WSD
1,3-Butadiene	PPBv	ND	2.0		03/06/99	WSD
2-Butanone (MEK)	PPBv	20	2.0		03/06/99	WSD
Carbon Disulfide	PPBv	6.4	2.0		03/06/99	WSD
Carbon Tetrachloride	PPBv	ND	2.0		03/06/99	WSD
Chlorobenzene	PPBv	ND	2.0		03/06/99	WSD
Chlorodibromomethane	PPBv	ND	2.0		03/06/99	WSD
Chloroethane	PPBv	170	2.0		03/06/99	WSD
Chloroform	PPBv	3.5	2.0		03/06/99	WSD
Chloromethane	PPBv	ND	2.0		03/06/99	WSD
Cyclohexane	PPBv	ND	2.0		03/06/99	WSD
1,2-Dibromoethane	PPBv	ND	2.0		03/06/99	WSD
1,2-Dichlorobenzene	PPBv	ND	2.0		03/06/99	WSD
1,3-Dichlorobenzene	PPBv	ND	2.0		03/06/99	WSD
1,4-Dichlorobenzene	PPBv	ND	2.0		03/06/99	WSD
Dichlorodifluoromethane	PPBv	22	2.0		03/06/99	WSD
1,1-Dichloroethane	PPBv	1200	2.0		03/06/99	WSD
1,2-Dichloroethane	PPBv	ND	2.0		03/06/99	WSD
1,1-Dichloroethylene	PPBv	160	2.0		03/06/99	WSD
cis-1,2-Dichloroethylene	PPBv	1100	2.0		03/06/99	WSD
t-1,2-Dichloroethylene	PPBv	12	2.0		03/06/99	WSD
1,2-Dichloropropane	PPBv	ND	2.0		03/06/99	WSD
cis-1,3-Dichloropropene	PPBv	ND	2.0		03/06/99	WSD
trans-1,3-Dichloropropene	PPBv	ND	2.0		03/06/99	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	2.0		03/06/99	WSD
Ethanol	PPBv	66	2.0		03/06/99	WSD
Ethyl Acetate	PPBv	ND	4.0		03/06/99	WSD
Ethylbenzene	PPBv	ND	2.0		03/06/99	WSD
4-Ethyl Toluene	PPBv	ND	2.0		03/06/99	WSD
n-Heptane	PPBv	ND	2.0		03/06/99	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

3/9/2009
 Page 18 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-COMBINED-022609

Sample ID : *09B06214 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	4.0		03/06/99	WSD
Hexane	PPBv	ND	2.0		03/06/99	WSD
2-Hexanone	PPBv	ND	2.0		03/06/99	WSD
Isopropanol	PPBv	ND	4.0		03/06/99	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	2.0		03/06/99	WSD
Methylene Chloride	PPBv	ND	4.0		03/06/99	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	2.0		03/06/99	WSD
Propene	PPBv	ND	4.0		03/06/99	WSD
Styrene	PPBv	ND	2.0		03/06/99	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	2.0		03/06/99	WSD
Tetrachloroethylene	PPBv	80	2.0		03/06/99	WSD
Tetrahydrofuran	PPBv	60	2.0		03/06/99	WSD
Toluene	PPBv	ND	2.0		03/06/99	WSD
1,2,4-Trichlorobenzene	PPBv	ND	2.0		03/06/99	WSD
1,1,1-Trichloroethane	PPBv	5800	2.0		03/06/99	WSD
1,1,2-Trichloroethane	PPBv	ND	2.0		03/06/99	WSD
Trichloroethylene	PPBv	2500	2.0		03/06/99	WSD
Trichlorofluoromethane (Freon 11)	PPBv	180	2.0		03/06/99	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	2.0		03/06/99	WSD
1,2,4-Trimethylbenzene	PPBv	ND	2.0		03/06/99	WSD
1,3,5-Trimethylbenzene	PPBv	ND	2.0		03/06/99	WSD
Vinyl Acetate	PPBv	ND	8.0		03/06/99	WSD
Vinyl Chloride	PPBv	ND	2.0		03/06/99	WSD
m/p-Xylene	PPBv	ND	4.0		03/06/99	WSD
o-Xylene	PPBv	ND	2.0		03/06/99	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	63	4.8		03/06/09	WSD
Benzene	ug/m3	ND	6.4		03/06/09	WSD
Benzyl Chloride	ug/m3	ND	11		03/06/09	WSD
Bromodichloromethane	ug/m3	ND	14		03/06/09	WSD
Bromoform	ug/m3	ND	21		03/06/09	WSD
Bromomethane	ug/m3	ND	7.6		03/06/09	WSD
1,3-Butadiene	ug/m3	ND	4.4		03/06/09	WSD
2-Butanone (MEK)	ug/m3	60	6.0		03/06/09	WSD
Carbon Disulfide	ug/m3	20	6.4		03/06/09	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

3/9/2009
 Page 19 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-COMBINED-022609

Sample ID : *09B06214 ‡Sampled : 2/26/2009
 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	13		03/06/09	WSD
Chlorobenzene	ug/m3	ND	9.2		03/06/09	WSD
Chlorodibromomethane	ug/m3	ND	18		03/06/09	WSD
Chloroethane	ug/m3	450	5.2		03/06/09	WSD
Chloroform	ug/m3	17	9.6		03/06/09	WSD
Chloromethane	ug/m3	ND	4.0		03/06/09	WSD
Cyclohexane	ug/m3	ND	6.8		03/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	16		03/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	12		03/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	12		03/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	12		03/06/09	WSD
Dichlorodifluoromethane	ug/m3	110	10		03/06/09	WSD
1,1-Dichloroethane	ug/m3	4800	8.0		03/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	8.0		03/06/09	WSD
1,1-Dichloroethylene	ug/m3	630	8.0		03/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	4200	8.0		03/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	47	8.0		03/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	9.2		03/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	8.8		03/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	8.8		03/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	14		03/06/09	WSD
Ethanol	ug/m3	120	3.6		03/06/09	WSD
Ethyl Acetate	ug/m3	ND	15		03/06/09	WSD
Ethylbenzene	ug/m3	ND	8.8		03/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	10		03/06/09	WSD
n-Heptane	ug/m3	ND	8.0		03/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	43		03/06/09	WSD
Hexane	ug/m3	ND	7.2		03/06/09	WSD
2-Hexanone	ug/m3	ND	8.0		03/06/09	WSD
Isopropanol	ug/m3	ND	9.9		03/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	7.2		03/06/09	WSD
Methylene Chloride	ug/m3	ND	14		03/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	8.0		03/06/09	WSD
Propene	ug/m3	ND	6.9		03/06/09	WSD
Styrene	ug/m3	ND	8.4		03/06/09	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

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

3/9/2009
 Page 20 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-COMBINED-022609

Sample ID : *09B06214 ‡Sampled : 2/26/2009
 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	14		03/06/09	WSD
Tetrachloroethylene	ug/m3	540	14		03/06/09	WSD
Tetrahydrofuran	ug/m3	180	6.0		03/06/09	WSD
Toluene	ug/m3	ND	7.6		03/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	15		03/06/09	WSD
1,1,1-Trichloroethane	ug/m3	32000	11		03/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	11		03/06/09	WSD
Trichloroethylene	ug/m3	13000	11		03/06/09	WSD
Trichlorofluoromethane	ug/m3	1000	12		03/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	16		03/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	10		03/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	10		03/06/09	WSD
Vinyl Acetate	ug/m3	ND	29		03/06/09	WSD
Vinyl Chloride	ug/m3	ND	5.2		03/06/09	WSD
m/p-Xylene	ug/m3	ND	18		03/06/09	WSD
o-Xylene	ug/m3	ND	8.8		03/06/09	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.: 200902837

Project Location: PROVIDENCE, RI
Date Received: 2/27/2009

3/9/2009
Page 21 of 55
Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23622
Job Number: 3650080114.11

Field Sample # : EW-POST CARBON-022609

Sample ID : *09B06215 ‡Sampled : 2/26/2009
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	0.10		03/06/99	WSD
Benzene	PPBv	ND	0.10		03/06/99	WSD
Benzyl Chloride	PPBv	ND	0.10		03/06/99	WSD
Bromodichloromethane	PPBv	ND	0.10		03/06/99	WSD
Bromoform	PPBv	ND	0.10		03/06/99	WSD
Bromomethane	PPBv	ND	0.10		03/06/99	WSD
1,3-Butadiene	PPBv	ND	0.10		03/06/99	WSD
2-Butanone (MEK)	PPBv	1.9	0.10		03/06/99	WSD
Carbon Disulfide	PPBv	8.8	0.10		03/06/99	WSD
Carbon Tetrachloride	PPBv	ND	0.10		03/06/99	WSD
Chlorobenzene	PPBv	ND	0.10		03/06/99	WSD
Chlorodibromomethane	PPBv	ND	0.10		03/06/99	WSD
Chloroethane	PPBv	180	0.10		03/06/99	WSD
Chloroform	PPBv	0.14	0.10		03/06/99	WSD
Chloromethane	PPBv	ND	0.10		03/06/99	WSD
Cyclohexane	PPBv	ND	0.10		03/06/99	WSD
1,2-Dibromoethane	PPBv	ND	0.10		03/06/99	WSD
1,2-Dichlorobenzene	PPBv	ND	0.10		03/06/99	WSD
1,3-Dichlorobenzene	PPBv	ND	0.10		03/06/99	WSD
1,4-Dichlorobenzene	PPBv	ND	0.10		03/06/99	WSD
Dichlorodifluoromethane	PPBv	0.48	0.10		03/06/99	WSD
1,1-Dichloroethane	PPBv	2600	0.10		03/06/99	WSD
1,2-Dichloroethane	PPBv	ND	0.10		03/06/99	WSD
1,1-Dichloroethylene	PPBv	1600	0.10		03/06/99	WSD
cis-1,2-Dichloroethylene	PPBv	1300	0.10		03/06/99	WSD
t-1,2-Dichloroethylene	PPBv	7.1	0.10		03/06/99	WSD
1,2-Dichloropropane	PPBv	ND	0.10		03/06/99	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.10		03/06/99	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.10		03/06/99	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.10		03/06/99	WSD
Ethanol	PPBv	5.2	0.10		03/06/99	WSD
Ethyl Acetate	PPBv	ND	0.20		03/06/99	WSD
Ethylbenzene	PPBv	ND	0.10		03/06/99	WSD
4-Ethyl Toluene	PPBv	ND	0.10		03/06/99	WSD
n-Heptane	PPBv	ND	0.10		03/06/99	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.: 200902837

3/9/2009
 Page 22 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-POST CARBON-022609

Sample ID : *09B06215 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.20		03/06/99	WSD
Hexane	PPBv	ND	0.10		03/06/99	WSD
2-Hexanone	PPBv	ND	0.10		03/06/99	WSD
Isopropanol	PPBv	19	0.10		03/06/99	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.10		03/06/99	WSD
Methylene Chloride	PPBv	0.86	0.10		03/06/99	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.10		03/06/99	WSD
Propene	PPBv	ND	0.20		03/06/99	WSD
Styrene	PPBv	ND	0.10		03/06/99	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.10		03/06/99	WSD
Tetrachloroethylene	PPBv	ND	0.10		03/06/99	WSD
Tetrahydrofuran	PPBv	6.1	0.10		03/06/99	WSD
Toluene	PPBv	ND	0.10		03/06/99	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.10		03/06/99	WSD
1,1,1-Trichloroethane	PPBv	0.35	0.10		03/06/99	WSD
1,1,2-Trichloroethane	PPBv	ND	0.10		03/06/99	WSD
Trichloroethylene	PPBv	0.51	0.10		03/06/99	WSD
Trichlorofluoromethane (Freon 11)	PPBv	1200	0.10		03/06/99	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.10		03/06/99	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.10		03/06/99	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.10		03/06/99	WSD
Vinyl Acetate	PPBv	ND	0.40		03/06/99	WSD
Vinyl Chloride	PPBv	1.7	0.10		03/06/99	WSD
m/p-Xylene	PPBv	ND	0.20		03/06/99	WSD
o-Xylene	PPBv	ND	0.10		03/06/99	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	12	0.24		03/06/09	WSD
Benzene	ug/m3	ND	0.32		03/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.52		03/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.66		03/06/09	WSD
Bromoform	ug/m3	ND	1.1		03/06/09	WSD
Bromomethane	ug/m3	ND	0.38		03/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.22		03/06/09	WSD
2-Butanone (MEK)	ug/m3	5.5	0.30		03/06/09	WSD
Carbon Disulfide	ug/m3	27	0.32		03/06/09	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

3/9/2009
 Page 23 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-POST CARBON-022609

Sample ID : *09B06215 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Chlorobenzene	ug/m3	ND	0.46		03/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.86		03/06/09	WSD
Chloroethane	ug/m3	480	0.26		03/06/09	WSD
Chloroform	ug/m3	0.67	0.48		03/06/09	WSD
Chloromethane	ug/m3	ND	0.20		03/06/09	WSD
Cyclohexane	ug/m3	ND	0.34		03/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.76		03/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.60		03/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.60		03/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.60		03/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.4	0.50		03/06/09	WSD
1,1-Dichloroethane	ug/m3	11000	0.40		03/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.40		03/06/09	WSD
1,1-Dichloroethylene	ug/m3	6400	0.40		03/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	5200	0.40		03/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	28	0.40		03/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.46		03/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.44		03/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.44		03/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.70		03/06/09	WSD
Ethanol	ug/m3	9.8	0.18		03/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.73		03/06/09	WSD
Ethylbenzene	ug/m3	ND	0.44		03/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.50		03/06/09	WSD
n-Heptane	ug/m3	ND	0.40		03/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	2.2		03/06/09	WSD
Hexane	ug/m3	ND	0.36		03/06/09	WSD
2-Hexanone	ug/m3	ND	0.40		03/06/09	WSD
Isopropanol	ug/m3	47	0.24		03/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.36		03/06/09	WSD
Methylene Chloride	ug/m3	3.0	0.34		03/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.40		03/06/09	WSD
Propene	ug/m3	ND	0.35		03/06/09	WSD
Styrene	ug/m3	ND	0.42		03/06/09	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

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

3/9/2009
 Page 24 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : EW-POST CARBON-022609

Sample ID : *09B06215 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Tetrachloroethylene	ug/m3	ND	0.68		03/06/09	WSD
Tetrahydrofuran	ug/m3	18	0.30		03/06/09	WSD
Toluene	ug/m3	ND	0.38		03/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.74		03/06/09	WSD
1,1,1-Trichloroethane	ug/m3	1.9	0.54		03/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.54		03/06/09	WSD
Trichloroethylene	ug/m3	2.7	0.54		03/06/09	WSD
Trichlorofluoromethane	ug/m3	6700	0.56		03/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	0.76		03/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.50		03/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.50		03/06/09	WSD
Vinyl Acetate	ug/m3	ND	1.5		03/06/09	WSD
Vinyl Chloride	ug/m3	4.5	0.26		03/06/09	WSD
m/p-Xylene	ug/m3	ND	0.86		03/06/09	WSD
o-Xylene	ug/m3	ND	0.44		03/06/09	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

3/9/2009
 Page 25 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-1-022609

Sample ID : *09B06203 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.3	0.05		03/05/09	WSD
Benzene	PPBv	0.22	0.05		03/05/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/05/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/05/09	WSD
Bromoform	PPBv	ND	0.05		03/05/09	WSD
Bromomethane	PPBv	ND	0.05		03/05/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/05/09	WSD
2-Butanone (MEK)	PPBv	0.87	0.05		03/05/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/05/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		03/05/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/05/09	WSD
Chloroethane	PPBv	ND	0.05		03/05/09	WSD
Chloroform	PPBv	ND	0.05		03/05/09	WSD
Chloromethane	PPBv	0.49	0.05		03/05/09	WSD
Cyclohexane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Dichlorodifluoromethane	PPBv	0.52	0.05		03/05/09	WSD
1,1-Dichloroethane	PPBv	0.07	0.05		03/05/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.18	0.05		03/05/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/05/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/05/09	WSD
Ethanol	PPBv	5.2	0.05		03/05/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/05/09	WSD
Ethylbenzene	PPBv	0.05	0.05		03/05/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/05/09	WSD
n-Heptane	PPBv	ND	0.05		03/05/09	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

3/9/2009
Page 26 of 55

Project Location: PROVIDENCE, RI
Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23622
Job Number: 3650080114.11

Field Sample # : IA-1-022609

Sample ID : *09B06203 ‡Sampled : 2/26/2009
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		03/05/09	WSD
Hexane	PPBv	0.28	0.05		03/05/09	WSD
2-Hexanone	PPBv	ND	0.05		03/05/09	WSD
Isopropanol	PPBv	1.6	0.05		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/05/09	WSD
Methylene Chloride	PPBv	1.3	0.05		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/05/09	WSD
Propene	PPBv	ND	0.10		03/05/09	WSD
Styrene	PPBv	ND	0.05		03/05/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/05/09	WSD
Tetrachloroethylene	PPBv	0.38	0.05		03/05/09	WSD
Tetrahydrofuran	PPBv	0.11	0.05		03/05/09	WSD
Toluene	PPBv	0.62	0.05		03/05/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,1,1-Trichloroethane	PPBv	0.06	0.05		03/05/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
Trichloroethylene	PPBv	0.12	0.05		03/05/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.29	0.05		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		03/05/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/05/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/05/09	WSD
m/p-Xylene	PPBv	0.18	0.10		03/05/09	WSD
o-Xylene	PPBv	0.07	0.05		03/05/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	10	0.12		03/05/09	WSD
Benzene	ug/m3	0.69	0.16		03/05/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/05/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/05/09	WSD
Bromoform	ug/m3	ND	0.51		03/05/09	WSD
Bromomethane	ug/m3	ND	0.19		03/05/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/05/09	WSD
2-Butanone (MEK)	ug/m3	2.6	0.15		03/05/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/05/09	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

3/9/2009
 Page 27 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-1-022609

Sample ID : *09B06203 ‡Sampled : 2/26/2009
 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	0.46	0.31		03/05/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/05/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/05/09	WSD
Chloroethane	ug/m3	ND	0.13		03/05/09	WSD
Chloroform	ug/m3	ND	0.24		03/05/09	WSD
Chloromethane	ug/m3	1.0	0.10		03/05/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/05/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/05/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/05/09	WSD
1,1-Dichloroethane	ug/m3	0.27	0.20		03/05/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.73	0.20		03/05/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/05/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/05/09	WSD
Ethanol	ug/m3	9.8	0.09		03/05/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/05/09	WSD
Ethylbenzene	ug/m3	0.23	0.22		03/05/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/05/09	WSD
n-Heptane	ug/m3	ND	0.20		03/05/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/05/09	WSD
Hexane	ug/m3	1.0	0.18		03/05/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/05/09	WSD
Isopropanol	ug/m3	3.8	0.12		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/05/09	WSD
Methylene Chloride	ug/m3	4.4	0.17		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/05/09	WSD
Propene	ug/m3	ND	0.18		03/05/09	WSD
Styrene	ug/m3	ND	0.21		03/05/09	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.: 200902837

3/9/2009
Page 28 of 55

Project Location: PROVIDENCE, RI
Date Received: 2/27/2009

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23622
Job Number: 3650080114.11

Field Sample # : IA-1-022609

Sample ID : *09B06203 ‡Sampled : 2/26/2009
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		03/05/09	WSD
Tetrachloroethylene	ug/m3	2.6	0.34		03/05/09	WSD
Tetrahydrofuran	ug/m3	0.32	0.15		03/05/09	WSD
Toluene	ug/m3	2.3	0.19		03/05/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/05/09	WSD
1,1,1-Trichloroethane	ug/m3	0.35	0.27		03/05/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
Trichloroethylene	ug/m3	0.65	0.27		03/05/09	WSD
Trichlorofluoromethane	ug/m3	1.6	0.28		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.67	0.38		03/05/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/05/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/05/09	WSD
m/p-Xylene	ug/m3	0.80	0.43		03/05/09	WSD
o-Xylene	ug/m3	0.30	0.22		03/05/09	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

3/9/2009
 Page 29 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-2-022609

Sample ID : *09B06204 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.1	0.05		03/05/09	WSD
Benzene	PPBv	0.24	0.05		03/05/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/05/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/05/09	WSD
Bromoform	PPBv	ND	0.05		03/05/09	WSD
Bromomethane	PPBv	ND	0.05		03/05/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/05/09	WSD
2-Butanone (MEK)	PPBv	1.00	0.05		03/05/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/05/09	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		03/05/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/05/09	WSD
Chloroethane	PPBv	ND	0.05		03/05/09	WSD
Chloroform	PPBv	0.05	0.05		03/05/09	WSD
Chloromethane	PPBv	0.50	0.05		03/05/09	WSD
Cyclohexane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Dichlorodifluoromethane	PPBv	0.54	0.05		03/05/09	WSD
1,1-Dichloroethane	PPBv	0.08	0.05		03/05/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.24	0.05		03/05/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/05/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/05/09	WSD
Ethanol	PPBv	4.2	0.05		03/05/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/05/09	WSD
Ethylbenzene	PPBv	0.07	0.05		03/05/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/05/09	WSD
n-Heptane	PPBv	0.05	0.05		03/05/09	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

3/9/2009
 Page 30 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-2-022609

Sample ID : *09B06204 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Hexane	PPBv	0.20	0.05		03/05/09	WSD
2-Hexanone	PPBv	ND	0.05		03/05/09	WSD
Isopropanol	PPBv	1.9	0.05		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/05/09	WSD
Methylene Chloride	PPBv	0.52	0.05		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/05/09	WSD
Propene	PPBv	ND	0.10		03/05/09	WSD
Styrene	PPBv	ND	0.05		03/05/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/05/09	WSD
Tetrachloroethylene	PPBv	0.49	0.05		03/05/09	WSD
Tetrahydrofuran	PPBv	0.14	0.05		03/05/09	WSD
Toluene	PPBv	0.61	0.05		03/05/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,1,1-Trichloroethane	PPBv	0.08	0.05		03/05/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
Trichloroethylene	PPBv	0.17	0.05		03/05/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.29	0.05		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		03/05/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.06	0.05		03/05/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/05/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/05/09	WSD
m/p-Xylene	PPBv	0.21	0.10		03/05/09	WSD
o-Xylene	PPBv	0.08	0.05		03/05/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	9.7	0.12		03/05/09	WSD
Benzene	ug/m3	0.77	0.16		03/05/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/05/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/05/09	WSD
Bromoform	ug/m3	ND	0.51		03/05/09	WSD
Bromomethane	ug/m3	ND	0.19		03/05/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/05/09	WSD
2-Butanone (MEK)	ug/m3	2.9	0.15		03/05/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/05/09	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

3/9/2009
 Page 31 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-2-022609

Sample ID : *09B06204 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/05/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/05/09	WSD
Chloroethane	ug/m3	ND	0.13		03/05/09	WSD
Chloroform	ug/m3	0.25	0.24		03/05/09	WSD
Chloromethane	ug/m3	1.0	0.10		03/05/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/05/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/05/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
Dichlorodifluoromethane	ug/m3	2.7	0.25		03/05/09	WSD
1,1-Dichloroethane	ug/m3	0.32	0.20		03/05/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.95	0.20		03/05/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/05/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/05/09	WSD
Ethanol	ug/m3	7.9	0.09		03/05/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/05/09	WSD
Ethylbenzene	ug/m3	0.30	0.22		03/05/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/05/09	WSD
n-Heptane	ug/m3	0.22	0.20		03/05/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/05/09	WSD
Hexane	ug/m3	0.69	0.18		03/05/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/05/09	WSD
Isopropanol	ug/m3	4.7	0.12		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/05/09	WSD
Methylene Chloride	ug/m3	1.8	0.17		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/05/09	WSD
Propene	ug/m3	ND	0.18		03/05/09	WSD
Styrene	ug/m3	ND	0.21		03/05/09	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.: 200902837

3/9/2009
 Page 32 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-2-022609

Sample ID : *09B06204 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Tetrachloroethylene	ug/m3	3.3	0.34		03/05/09	WSD
Tetrahydrofuran	ug/m3	0.41	0.15		03/05/09	WSD
Toluene	ug/m3	2.3	0.19		03/05/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/05/09	WSD
1,1,1-Trichloroethane	ug/m3	0.44	0.27		03/05/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
Trichloroethylene	ug/m3	0.91	0.27		03/05/09	WSD
Trichlorofluoromethane	ug/m3	1.6	0.28		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		03/05/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.30	0.25		03/05/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/05/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/05/09	WSD
m/p-Xylene	ug/m3	0.93	0.43		03/05/09	WSD
o-Xylene	ug/m3	0.34	0.22		03/05/09	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.: 200902837

3/9/2009
 Page 33 of 55

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : IA-3-022609

Sample ID : *09B06205 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.1	0.05		03/05/09	WSD
Benzene	PPBv	0.22	0.05		03/05/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/05/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/05/09	WSD
Bromoform	PPBv	ND	0.05		03/05/09	WSD
Bromomethane	PPBv	ND	0.05		03/05/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/05/09	WSD
2-Butanone (MEK)	PPBv	0.59	0.05		03/05/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/05/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		03/05/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/05/09	WSD
Chloroethane	PPBv	ND	0.05		03/05/09	WSD
Chloroform	PPBv	ND	0.05		03/05/09	WSD
Chloromethane	PPBv	0.52	0.05		03/05/09	WSD
Cyclohexane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Dichlorodifluoromethane	PPBv	0.52	0.05		03/05/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.14	0.05		03/05/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/05/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/05/09	WSD
Ethanol	PPBv	4.2	0.05		03/05/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/05/09	WSD
Ethylbenzene	PPBv	0.05	0.05		03/05/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/05/09	WSD
n-Heptane	PPBv	ND	0.05		03/05/09	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.: 200902837

3/9/2009
 Page 34 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-3-022609

Sample ID : *09B06205 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Hexane	PPBv	1.0	0.05		03/05/09	WSD
2-Hexanone	PPBv	ND	0.05		03/05/09	WSD
Isopropanol	PPBv	1.3	0.05		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/05/09	WSD
Methylene Chloride	PPBv	9.4	0.05		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/05/09	WSD
Propene	PPBv	ND	0.10		03/05/09	WSD
Styrene	PPBv	ND	0.05		03/05/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/05/09	WSD
Tetrachloroethylene	PPBv	0.29	0.05		03/05/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		03/05/09	WSD
Toluene	PPBv	0.56	0.05		03/05/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,1,1-Trichloroethane	PPBv	0.05	0.05		03/05/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
Trichloroethylene	PPBv	0.10	0.05		03/05/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.33	0.05		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		03/05/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/05/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/05/09	WSD
m/p-Xylene	PPBv	0.15	0.10		03/05/09	WSD
o-Xylene	PPBv	0.05	0.05		03/05/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	9.7	0.12		03/05/09	WSD
Benzene	ug/m3	0.69	0.16		03/05/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/05/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/05/09	WSD
Bromoform	ug/m3	ND	0.51		03/05/09	WSD
Bromomethane	ug/m3	ND	0.19		03/05/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/05/09	WSD
2-Butanone (MEK)	ug/m3	1.7	0.15		03/05/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/05/09	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

3/9/2009
 Page 35 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-3-022609

Sample ID : *09B06205 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/05/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/05/09	WSD
Chloroethane	ug/m3	ND	0.13		03/05/09	WSD
Chloroform	ug/m3	ND	0.24		03/05/09	WSD
Chloromethane	ug/m3	1.1	0.10		03/05/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/05/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/05/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/05/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.55	0.20		03/05/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/05/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/05/09	WSD
Ethanol	ug/m3	7.9	0.09		03/05/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/05/09	WSD
Ethylbenzene	ug/m3	ND	0.22		03/05/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/05/09	WSD
n-Heptane	ug/m3	ND	0.20		03/05/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/05/09	WSD
Hexane	ug/m3	3.7	0.18		03/05/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/05/09	WSD
Isopropanol	ug/m3	3.1	0.12		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/05/09	WSD
Methylene Chloride	ug/m3	33	0.17		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/05/09	WSD
Propene	ug/m3	ND	0.18		03/05/09	WSD
Styrene	ug/m3	ND	0.21		03/05/09	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

3/9/2009
 Page 36 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-3-022609

Sample ID : *09B06205 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Tetrachloroethylene	ug/m3	1.9	0.34		03/05/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		03/05/09	WSD
Toluene	ug/m3	2.1	0.19		03/05/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/05/09	WSD
1,1,1-Trichloroethane	ug/m3	0.28	0.27		03/05/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
Trichloroethylene	ug/m3	0.53	0.27		03/05/09	WSD
Trichlorofluoromethane	ug/m3	1.8	0.28		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.69	0.38		03/05/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/05/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/05/09	WSD
m/p-Xylene	ug/m3	0.65	0.43		03/05/09	WSD
o-Xylene	ug/m3	0.23	0.22		03/05/09	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

3/9/2009
 Page 37 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-4-022609

Sample ID : *09B06206 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Benzene	PPBv	0.24	0.05		03/05/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/05/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/05/09	WSD
Bromoform	PPBv	ND	0.05		03/05/09	WSD
Bromomethane	PPBv	ND	0.05		03/05/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/05/09	WSD
2-Butanone (MEK)	PPBv	0.86	0.05		03/05/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/05/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		03/05/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/05/09	WSD
Chloroethane	PPBv	ND	0.05		03/05/09	WSD
Chloroform	PPBv	0.05	0.05		03/05/09	WSD
Chloromethane	PPBv	0.51	0.05		03/05/09	WSD
Cyclohexane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Dichlorodifluoromethane	PPBv	0.53	0.05		03/05/09	WSD
1,1-Dichloroethane	PPBv	0.08	0.05		03/05/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.25	0.05		03/05/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/05/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/05/09	WSD
Ethanol	PPBv	4.2	0.05		03/05/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/05/09	WSD
Ethylbenzene	PPBv	0.07	0.05		03/05/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/05/09	WSD
n-Heptane	PPBv	0.05	0.05		03/05/09	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

3/9/2009
 Page 38 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-4-022609

Sample ID : *09B06206 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Hexane	PPBv	0.19	0.05		03/05/09	WSD
2-Hexanone	PPBv	ND	0.05		03/05/09	WSD
Isopropanol	PPBv	1.6	0.05		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/05/09	WSD
Methylene Chloride	PPBv	0.36	0.05		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/05/09	WSD
Propene	PPBv	ND	0.10		03/05/09	WSD
Styrene	PPBv	ND	0.05		03/05/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/05/09	WSD
Tetrachloroethylene	PPBv	0.50	0.05		03/05/09	WSD
Tetrahydrofuran	PPBv	0.12	0.05		03/05/09	WSD
Toluene	PPBv	0.62	0.05		03/05/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,1,1-Trichloroethane	PPBv	0.08	0.05		03/05/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
Trichloroethylene	PPBv	0.16	0.05		03/05/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.30	0.05		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		03/05/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.06	0.05		03/05/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/05/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/05/09	WSD
m/p-Xylene	PPBv	0.21	0.10		03/05/09	WSD
o-Xylene	PPBv	0.08	0.05		03/05/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	7.8	0.12		03/05/09	WSD
Benzene	ug/m3	0.76	0.16		03/05/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/05/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/05/09	WSD
Bromoform	ug/m3	ND	0.51		03/05/09	WSD
Bromomethane	ug/m3	ND	0.19		03/05/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/05/09	WSD
2-Butanone (MEK)	ug/m3	2.5	0.15		03/05/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/05/09	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

3/9/2009
 Page 39 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-4-022609

Sample ID : *09B06206 ‡Sampled : 2/26/2009
 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	0.46	0.31		03/05/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/05/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/05/09	WSD
Chloroethane	ug/m3	ND	0.13		03/05/09	WSD
Chloroform	ug/m3	0.26	0.24		03/05/09	WSD
Chloromethane	ug/m3	1.0	0.10		03/05/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/05/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/05/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/05/09	WSD
1,1-Dichloroethane	ug/m3	0.31	0.20		03/05/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.98	0.20		03/05/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/05/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/05/09	WSD
Ethanol	ug/m3	8.0	0.09		03/05/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/05/09	WSD
Ethylbenzene	ug/m3	0.29	0.22		03/05/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/05/09	WSD
n-Heptane	ug/m3	0.21	0.20		03/05/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/05/09	WSD
Hexane	ug/m3	0.66	0.18		03/05/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/05/09	WSD
Isopropanol	ug/m3	3.9	0.12		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/05/09	WSD
Methylene Chloride	ug/m3	1.3	0.17		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/05/09	WSD
Propene	ug/m3	ND	0.18		03/05/09	WSD
Styrene	ug/m3	ND	0.21		03/05/09	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

3/9/2009
 Page 40 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-4-022609

Sample ID : *09B06206 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Tetrachloroethylene	ug/m3	3.4	0.34		03/05/09	WSD
Tetrahydrofuran	ug/m3	0.34	0.15		03/05/09	WSD
Toluene	ug/m3	2.3	0.19		03/05/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/05/09	WSD
1,1,1-Trichloroethane	ug/m3	0.45	0.27		03/05/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
Trichloroethylene	ug/m3	0.88	0.27		03/05/09	WSD
Trichlorofluoromethane	ug/m3	1.7	0.28		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.57	0.38		03/05/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.29	0.25		03/05/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/05/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/05/09	WSD
m/p-Xylene	ug/m3	0.89	0.43		03/05/09	WSD
o-Xylene	ug/m3	0.33	0.22		03/05/09	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

3/9/2009
 Page 41 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-5-022609

Sample ID : *09B06207 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Benzene	PPBv	0.13	0.05		03/05/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/05/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/05/09	WSD
Bromoform	PPBv	ND	0.05		03/05/09	WSD
Bromomethane	PPBv	ND	0.05		03/05/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/05/09	WSD
2-Butanone (MEK)	PPBv	0.25	0.05		03/05/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/05/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		03/05/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/05/09	WSD
Chloroethane	PPBv	ND	0.05		03/05/09	WSD
Chloroform	PPBv	ND	0.05		03/05/09	WSD
Chloromethane	PPBv	0.53	0.05		03/05/09	WSD
Cyclohexane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Dichlorodifluoromethane	PPBv	0.52	0.05		03/05/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/05/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/05/09	WSD
Ethanol	PPBv	45	0.05		03/05/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/05/09	WSD
Ethylbenzene	PPBv	ND	0.05		03/05/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/05/09	WSD
n-Heptane	PPBv	ND	0.05		03/05/09	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

3/9/2009
 Page 42 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-5-022609

Sample ID : *09B06207 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Hexane	PPBv	0.11	0.05		03/05/09	WSD
2-Hexanone	PPBv	ND	0.05		03/05/09	WSD
Isopropanol	PPBv	1.2	0.05		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/05/09	WSD
Methylene Chloride	PPBv	0.34	0.05		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/05/09	WSD
Propene	PPBv	ND	0.10		03/05/09	WSD
Styrene	PPBv	ND	0.05		03/05/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/05/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		03/05/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		03/05/09	WSD
Toluene	PPBv	0.17	0.05		03/05/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
Trichloroethylene	PPBv	ND	0.05		03/05/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.27	0.05		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		03/05/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/05/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/05/09	WSD
m/p-Xylene	PPBv	ND	0.10		03/05/09	WSD
o-Xylene	PPBv	ND	0.05		03/05/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	9.5	0.12		03/05/09	WSD
Benzene	ug/m3	0.41	0.16		03/05/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/05/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/05/09	WSD
Bromoform	ug/m3	ND	0.51		03/05/09	WSD
Bromomethane	ug/m3	ND	0.19		03/05/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/05/09	WSD
2-Butanone (MEK)	ug/m3	0.75	0.15		03/05/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/05/09	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

3/9/2009
 Page 43 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-5-022609

Sample ID : *09B06207 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/05/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/05/09	WSD
Chloroethane	ug/m3	ND	0.13		03/05/09	WSD
Chloroform	ug/m3	ND	0.24		03/05/09	WSD
Chloromethane	ug/m3	1.1	0.10		03/05/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/05/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/05/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/05/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/05/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/05/09	WSD
Ethanol	ug/m3	85	0.09		03/05/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/05/09	WSD
Ethylbenzene	ug/m3	ND	0.22		03/05/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/05/09	WSD
n-Heptane	ug/m3	ND	0.20		03/05/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/05/09	WSD
Hexane	ug/m3	0.39	0.18		03/05/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/05/09	WSD
Isopropanol	ug/m3	3.0	0.12		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/05/09	WSD
Methylene Chloride	ug/m3	1.2	0.17		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/05/09	WSD
Propene	ug/m3	ND	0.18		03/05/09	WSD
Styrene	ug/m3	ND	0.21		03/05/09	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.: 200902837

3/9/2009
 Page 44 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-5-022609

Sample ID : *09B06207 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		03/05/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		03/05/09	WSD
Toluene	ug/m3	0.65	0.19		03/05/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/05/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
Trichloroethylene	ug/m3	ND	0.27		03/05/09	WSD
Trichlorofluoromethane	ug/m3	1.5	0.28		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		03/05/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/05/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/05/09	WSD
m/p-Xylene	ug/m3	ND	0.43		03/05/09	WSD
o-Xylene	ug/m3	ND	0.22		03/05/09	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

Purchase Order No.: 200902837

3/9/2009
 Page 45 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-6-022609

Sample ID : *09B06208 ‡Sampled : 2/26/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.4	0.05		03/05/09	WSD
Benzene	PPBv	0.13	0.05		03/05/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/05/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/05/09	WSD
Bromoform	PPBv	ND	0.05		03/05/09	WSD
Bromomethane	PPBv	ND	0.05		03/05/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/05/09	WSD
2-Butanone (MEK)	PPBv	0.82	0.05		03/05/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/05/09	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		03/05/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/05/09	WSD
Chloroethane	PPBv	ND	0.05		03/05/09	WSD
Chloroform	PPBv	ND	0.05		03/05/09	WSD
Chloromethane	PPBv	0.49	0.05		03/05/09	WSD
Cyclohexane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
Dichlorodifluoromethane	PPBv	0.53	0.05		03/05/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/05/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/05/09	WSD
Ethanol	PPBv	6.9	0.05		03/05/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/05/09	WSD
Ethylbenzene	PPBv	ND	0.05		03/05/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/05/09	WSD
n-Heptane	PPBv	ND	0.05		03/05/09	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

Purchase Order No.: 200902837

3/9/2009
 Page 46 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : IA-6-022609

Sample ID : *09B06208 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Hexane	PPBv	0.09	0.05		03/05/09	WSD
2-Hexanone	PPBv	ND	0.05		03/05/09	WSD
Isopropanol	PPBv	0.70	0.05		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/05/09	WSD
Methylene Chloride	PPBv	0.24	0.05		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/05/09	WSD
Propene	PPBv	ND	0.10		03/05/09	WSD
Styrene	PPBv	ND	0.05		03/05/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/05/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		03/05/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		03/05/09	WSD
Toluene	PPBv	0.17	0.05		03/05/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/05/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/05/09	WSD
Trichloroethylene	PPBv	ND	0.05		03/05/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.27	0.05		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		03/05/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/05/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/05/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/05/09	WSD
m/p-Xylene	PPBv	ND	0.10		03/05/09	WSD
o-Xylene	PPBv	ND	0.05		03/05/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	11	0.12		03/05/09	WSD
Benzene	ug/m3	0.41	0.16		03/05/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/05/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/05/09	WSD
Bromoform	ug/m3	ND	0.51		03/05/09	WSD
Bromomethane	ug/m3	ND	0.19		03/05/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/05/09	WSD
2-Butanone (MEK)	ug/m3	2.4	0.15		03/05/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/05/09	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.: 200902837

3/9/2009
 Page 47 of 55
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Field Sample # : IA-6-022609

Sample ID : *09B06208 ‡Sampled : 2/26/2009
 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		03/05/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/05/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/05/09	WSD
Chloroethane	ug/m3	ND	0.13		03/05/09	WSD
Chloroform	ug/m3	ND	0.24		03/05/09	WSD
Chloromethane	ug/m3	1.0	0.10		03/05/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/05/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/05/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/05/09	WSD
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/05/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/05/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/05/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/05/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/05/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/05/09	WSD
Ethanol	ug/m3	13	0.09		03/05/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/05/09	WSD
Ethylbenzene	ug/m3	ND	0.22		03/05/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/05/09	WSD
n-Heptane	ug/m3	ND	0.20		03/05/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/05/09	WSD
Hexane	ug/m3	0.33	0.18		03/05/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/05/09	WSD
Isopropanol	ug/m3	1.7	0.12		03/05/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/05/09	WSD
Methylene Chloride	ug/m3	0.83	0.17		03/05/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/05/09	WSD
Propene	ug/m3	ND	0.18		03/05/09	WSD
Styrene	ug/m3	ND	0.21		03/05/09	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

3/9/2009
Page 48 of 55

Project Location: PROVIDENCE, RI
Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23622
Job Number: 3650080114.11

Field Sample # : IA-6-022609

Sample ID : *09B06208 ‡Sampled : 2/26/2009
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		03/05/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		03/05/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		03/05/09	WSD
Toluene	ug/m3	0.65	0.19		03/05/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/05/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/05/09	WSD
Trichloroethylene	ug/m3	ND	0.27		03/05/09	WSD
Trichlorofluoromethane	ug/m3	1.5	0.28		03/05/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		03/05/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/05/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/05/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/05/09	WSD
m/p-Xylene	ug/m3	ND	0.43		03/05/09	WSD
o-Xylene	ug/m3	ND	0.22		03/05/09	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

3/9/2009
 Page 49 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-7-022609

Sample ID : *09B06209 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Benzene	PPBv	0.21	0.05		03/06/09	WSD
Benzyl Chloride	PPBv	ND	0.05		03/06/09	WSD
Bromodichloromethane	PPBv	ND	0.05		03/06/09	WSD
Bromoform	PPBv	ND	0.05		03/06/09	WSD
Bromomethane	PPBv	ND	0.05		03/06/09	WSD
1,3-Butadiene	PPBv	ND	0.05		03/06/09	WSD
2-Butanone (MEK)	PPBv	0.74	0.05		03/06/09	WSD
Carbon Disulfide	PPBv	ND	0.05		03/06/09	WSD
Carbon Tetrachloride	PPBv	0.08	0.05		03/06/09	WSD
Chlorobenzene	PPBv	ND	0.05		03/06/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		03/06/09	WSD
Chloroethane	PPBv	ND	0.05		03/06/09	WSD
Chloroform	PPBv	ND	0.05		03/06/09	WSD
Chloromethane	PPBv	0.49	0.05		03/06/09	WSD
Cyclohexane	PPBv	ND	0.05		03/06/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		03/06/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		03/06/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		03/06/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		03/06/09	WSD
Dichlorodifluoromethane	PPBv	0.52	0.05		03/06/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		03/06/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		03/06/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		03/06/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/06/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/06/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		03/06/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/06/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/06/09	WSD
Ethanol	PPBv	4.2	0.05		03/06/09	WSD
Ethyl Acetate	PPBv	ND	0.10		03/06/09	WSD
Ethylbenzene	PPBv	0.06	0.05		03/06/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		03/06/09	WSD
n-Heptane	PPBv	ND	0.05		03/06/09	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

3/9/2009
 Page 50 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-7-022609

Sample ID : *09B06209 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Hexane	PPBv	0.32	0.05		03/06/09	WSD
2-Hexanone	PPBv	ND	0.05		03/06/09	WSD
Isopropanol	PPBv	ND	0.10		03/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/06/09	WSD
Methylene Chloride	PPBv	1.8	0.05		03/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/06/09	WSD
Propene	PPBv	ND	0.10		03/06/09	WSD
Styrene	PPBv	ND	0.05		03/06/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/06/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		03/06/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		03/06/09	WSD
Toluene	PPBv	0.39	0.05		03/06/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/06/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		03/06/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		03/06/09	WSD
Trichloroethylene	PPBv	ND	0.05		03/06/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.28	0.05		03/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		03/06/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/06/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/06/09	WSD
Vinyl Acetate	PPBv	ND	0.20		03/06/09	WSD
Vinyl Chloride	PPBv	ND	0.05		03/06/09	WSD
m/p-Xylene	PPBv	0.17	0.10		03/06/09	WSD
o-Xylene	PPBv	0.06	0.05		03/06/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	7.8	0.12		03/06/09	WSD
Benzene	ug/m3	0.67	0.16		03/06/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		03/06/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		03/06/09	WSD
Bromoform	ug/m3	ND	0.51		03/06/09	WSD
Bromomethane	ug/m3	ND	0.19		03/06/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		03/06/09	WSD
2-Butanone (MEK)	ug/m3	2.2	0.15		03/06/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		03/06/09	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

3/9/2009
 Page 51 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Purchase Order No.: 200902837

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Field Sample # : IA-7-022609

Sample ID : *09B06209 ‡Sampled : 2/26/2009
 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		03/06/09	WSD
Chlorobenzene	ug/m3	ND	0.23		03/06/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		03/06/09	WSD
Chloroethane	ug/m3	ND	0.13		03/06/09	WSD
Chloroform	ug/m3	ND	0.24		03/06/09	WSD
Chloromethane	ug/m3	1.0	0.10		03/06/09	WSD
Cyclohexane	ug/m3	ND	0.17		03/06/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		03/06/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/06/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/06/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/06/09	WSD
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/06/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		03/06/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		03/06/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		03/06/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/06/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/06/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		03/06/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/06/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/06/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/06/09	WSD
Ethanol	ug/m3	7.9	0.09		03/06/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		03/06/09	WSD
Ethylbenzene	ug/m3	0.24	0.22		03/06/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		03/06/09	WSD
n-Heptane	ug/m3	ND	0.20		03/06/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		03/06/09	WSD
Hexane	ug/m3	1.1	0.18		03/06/09	WSD
2-Hexanone	ug/m3	ND	0.20		03/06/09	WSD
Isopropanol	ug/m3	ND	0.25		03/06/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/06/09	WSD
Methylene Chloride	ug/m3	6.3	0.17		03/06/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/06/09	WSD
Propene	ug/m3	ND	0.18		03/06/09	WSD
Styrene	ug/m3	ND	0.21		03/06/09	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

3/9/2009
Page 52 of 55

Purchase Order No.: 200902837

Project Number: 3650080114.11

Project Location: PROVIDENCE, RI

LIMS-BAT #: LIMIT-23622

Date Received: 2/27/2009

Job Number: 3650080114.11

Field Sample # : IA-7-022609

Sample ID : *09B06209

‡Sampled : 2/26/2009

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		03/06/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		03/06/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		03/06/09	WSD
Toluene	ug/m3	1.5	0.19		03/06/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/06/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/06/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/06/09	WSD
Trichloroethylene	ug/m3	ND	0.27		03/06/09	WSD
Trichlorofluoromethane	ug/m3	1.6	0.28		03/06/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.66	0.38		03/06/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/06/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/06/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		03/06/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		03/06/09	WSD
m/p-Xylene	ug/m3	0.73	0.43		03/06/09	WSD
o-Xylene	ug/m3	0.24	0.22		03/06/09	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.: 200902837

3/9/2009
 Page 53 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

The following notes were attached to the reported analysis :

Sample ID: * 09B06203
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Blank-130335	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	0.046	0.31	N.D.	N.D.

Lfblank-92505	True Value PPBv ug/m3		Sample Results PPBv ug/m3		Recovery %
1,1,1,2-Tetrachloroethane	1.8	13	2.2	15	119

Sample ID: * 09B06204
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B06205
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B06206
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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.: 200902837

3/9/2009
 Page 54 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Sample ID: * 09B06207
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D. N.D.

Sample ID: * 09B06207
 Analysis: Ethanol

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

Sample ID: * 09B06208
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D. N.D.

Sample ID: * 09B06209
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D. N.D.

Sample ID: * 09B06210
 Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D. N.D.

Duplicate	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3	RPD %
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D. N.D.	-

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.: 200902837

3/9/2009
 Page 55 of 55

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Sample ID: * 09B06211
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B06212
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B06213
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.46	3.1	N.D.	N.D.

Sample ID: * 09B06214
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	3.6	25	N.D.	N.D.

Sample ID: * 09B06215
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.18	1.3	N.D.	N.D.

** 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



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

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 1 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06203	4-Bromofluorobenzene	Surrogate Recovery	83.75	%	70-130
09B06204	4-Bromofluorobenzene	Surrogate Recovery	85.00	%	70-130
09B06205	4-Bromofluorobenzene	Surrogate Recovery	85.62	%	70-130
09B06206	4-Bromofluorobenzene	Surrogate Recovery	86.00	%	70-130
09B06207	4-Bromofluorobenzene	Surrogate Recovery	85.37	%	70-130
09B06208	4-Bromofluorobenzene	Surrogate Recovery	85.00	%	70-130
09B06209	4-Bromofluorobenzene	Surrogate Recovery	87.37	%	70-130
09B06210	Acetone	Sample Amount	8.38	ug/m3	
		Duplicate Value	8.63	ug/m3	
		Duplicate RPD	2.98	%	
	Benzene	Sample Amount	0.42	ug/m3	
		Duplicate Value	0.40	ug/m3	
		Duplicate RPD	6.15	%	
	Carbon Tetrachloride	Sample Amount	0.42	ug/m3	
		Duplicate Value	0.43	ug/m3	
		Duplicate RPD	1.45	%	
	Hexane	Sample Amount	0.37	ug/m3	
		Duplicate Value	0.33	ug/m3	
		Duplicate RPD	10.83	%	
	Isopropanol	Sample Amount	1.35	ug/m3	
		Duplicate Value	1.36	ug/m3	
		Duplicate RPD	0.90	%	
	2-Butanone (MEK)	Sample Amount	1.61	ug/m3	
		Duplicate Value	1.62	ug/m3	
		Duplicate RPD	0.54	%	
	Toluene	Sample Amount	0.71	ug/m3	
		Duplicate Value	0.73	ug/m3	
		Duplicate RPD	3.63	%	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Sample Amount	0.64	ug/m3	
		Duplicate Value	0.68	ug/m3	
		Duplicate RPD	5.78	%	
	Trichlorofluoromethane	Sample Amount	1.46	ug/m3	
		Duplicate Value	1.47	ug/m3	
		Duplicate RPD	0.76	%	
	m/p-Xylene	Sample Amount	0.44	ug/m3	
		Duplicate Value	0.44	ug/m3	



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

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 2 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B06210	m/p-Xylene	Duplicate RPD	0.00	%	
	Ethanol	Sample Amount	4.27	ug/m3	
		Duplicate Value	4.16	ug/m3	
		Duplicate RPD	2.72	%	
	Methylene Chloride	Sample Amount	0.78	ug/m3	
		Duplicate Value	0.93	ug/m3	
		Duplicate RPD	17.37	%	
	Chloromethane	Sample Amount	1.08	ug/m3	
		Duplicate Value	1.06	ug/m3	
		Duplicate RPD	1.92	%	
	Dichlorodifluoromethane	Sample Amount	2.59	ug/m3	
		Duplicate Value	2.62	ug/m3	
		Duplicate RPD	1.13	%	
	4-Bromofluorobenzene	Surrogate Recovery	82.62	%	70-130
09B06211	4-Bromofluorobenzene	Surrogate Recovery	87.62	%	70-130
09B06212	4-Bromofluorobenzene	Surrogate Recovery	88.87	%	70-130
09B06213	4-Bromofluorobenzene	Surrogate Recovery	88.12	%	70-130
09B06214	4-Bromofluorobenzene	Surrogate Recovery	87.62	%	70-130
09B06215	4-Bromofluorobenzene	Surrogate Recovery	85.00	%	70-130
BLANK-130335	Acetone	Blank	0.95	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	<0.19	ug/m3	
	Ethylbenzene	Blank	<0.11	ug/m3	
	Hexane	Blank	<0.09	ug/m3	
	Isopropanol	Blank	<0.13	ug/m3	
	2-Butanone (MEK)	Blank	0.22	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	

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 3 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130335	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	0.30	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	<0.18	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	<0.19	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	<0.09	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	

BLANK-130336



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

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 4 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130336	1,1,1-Trichloroethane	Blank	<0.14	ug/m3	
	Trichloroethylene	Blank	<0.14	ug/m3	
LFBLANK-92505	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	11.48	ug/m3	
		Lab Fort Blk. % Rec.	96.66	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	12.15	ug/m3	
		Lab Fort Blk. % Rec.	76.21	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	32.25	ug/m3	
		Lab Fort Blk. % Rec.	102.56	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	26.06	ug/m3	
		Lab Fort Blk. % Rec.	107.10	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	20.88	ug/m3	
		Lab Fort Blk. % Rec.	103.16	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	36.65	ug/m3	
		Lab Fort Blk. % Rec.	121.94	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	19.82	ug/m3	
		Lab Fort Blk. % Rec.	110.04	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	19.18	ug/m3	
		Lab Fort Blk. % Rec.	88.52	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	18.96	ug/m3	
		Lab Fort Blk. % Rec.	107.60	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	14.45	ug/m3	
		Lab Fort Blk. % Rec.	117.62	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	15.15	ug/m3	
		Lab Fort Blk. % Rec.	102.80	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	18.71	ug/m3	
		Lab Fort Blk. % Rec.	91.38	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	20.72	ug/m3	
		Lab Fort Blk. % Rec.	97.46	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	



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

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 5 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92505	Tetrachloroethylene	Lab Fort Blk. Found	37.40	ug/m3	
		Lab Fort Blk. % Rec.	110.32	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	15.97	ug/m3	
	1,1,1-Trichloroethane	Lab Fort Blk. % Rec.	84.90	%	70-130
		Lab Fort Blank Amt.	27.28	ug/m3	
	Trichloroethylene	Lab Fort Blk. Found	24.71	ug/m3	
		Lab Fort Blk. % Rec.	90.58	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	23.67	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blk. % Rec.	88.12	%	70-130
		Lab Fort Blank Amt.	38.31	ug/m3	
	Trichlorofluoromethane	Lab Fort Blk. Found	47.30	ug/m3	
		Lab Fort Blk. % Rec.	123.44	%	70-130
	o-Xylene	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	34.42	ug/m3	
	o-Xylene	Lab Fort Blk. % Rec.	122.52	%	70-130
		Lab Fort Blank Amt.	21.71	ug/m3	
	m/p-Xylene	Lab Fort Blk. Found	19.85	ug/m3	
		Lab Fort Blk. % Rec.	91.42	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	40.00	ug/m3	
	1,2-Dichlorobenzene	Lab Fort Blk. % Rec.	92.10	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. Found	37.16	ug/m3	
		Lab Fort Blk. % Rec.	123.64	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	36.66	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	121.96	%	70-130
		Lab Fort Blank Amt.	20.24	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. Found	18.50	ug/m3	
		Lab Fort Blk. % Rec.	91.40	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	20.60	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	103.86	%	70-130
		Lab Fort Blank Amt.	9.42	ug/m3	
	Ethanol	Lab Fort Blk. Found	10.42	ug/m3	
		Lab Fort Blk. % Rec.	110.62	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.65	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	104.36	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. Found	18.79	ug/m3	



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

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 6 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92505					
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	104.24	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	18.77	ug/m3	
		Lab Fort Blk. % Rec.	94.72	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	12.57	ug/m3	
		Lab Fort Blk. % Rec.	98.40	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	18.18	ug/m3	
		Lab Fort Blk. % Rec.	104.76	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.49	ug/m3	
		Lab Fort Blk. % Rec.	97.69	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.05	ug/m3	
		Lab Fort Blk. % Rec.	97.42	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	22.95	ug/m3	
		Lab Fort Blk. % Rec.	118.30	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	13.66	ug/m3	
		Lab Fort Blk. % Rec.	103.58	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	18.78	ug/m3	
		Lab Fort Blk. % Rec.	82.76	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.93	ug/m3	
		Lab Fort Blk. % Rec.	87.82	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	49.29	ug/m3	
		Lab Fort Blk. % Rec.	115.74	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	23.30	ug/m3	
		Lab Fort Blk. % Rec.	85.42	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	71.41	ug/m3	
		Lab Fort Blk. % Rec.	138.13	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	30.84	ug/m3	
		Lab Fort Blk. % Rec.	89.82	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	68.64	ug/m3	
		Lab Fort Blk. % Rec.	128.69	%	70-130



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

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 7 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92505	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	49.70	ug/m3	
		Lab Fort Blk. % Rec.	133.96	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.95	ug/m3	
		Lab Fort Blk. % Rec.	101.54	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.50	ug/m3	
		Lab Fort Blk. % Rec.	99.68	%	70-130
Cyclohexane		Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	14.82	ug/m3	
		Lab Fort Blk. % Rec.	86.16	%	50-150
cis-1,2-Dichloroethylene		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	19.02	ug/m3	
		Lab Fort Blk. % Rec.	95.94	%	70-130
1,2-Dichloropropane		Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	15.88	ug/m3	
		Lab Fort Blk. % Rec.	68.75	%	70-130
Dichlorodifluoromethane		Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	27.81	ug/m3	
		Lab Fort Blk. % Rec.	112.48	%	70-130
Benzyl Chloride		Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	27.43	ug/m3	
		Lab Fort Blk. % Rec.	105.98	%	70-130
Carbon Disulfide		Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	16.00	ug/m3	
		Lab Fort Blk. % Rec.	102.82	%	70-130
Vinyl Acetate		Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	19.48	ug/m3	
		Lab Fort Blk. % Rec.	110.66	%	70-130
2-Hexanone		Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	19.04	ug/m3	
		Lab Fort Blk. % Rec.	92.97	%	50-150
Bromodichloromethane		Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	30.74	ug/m3	
		Lab Fort Blk. % Rec.	91.77	%	70-130
1,2-Dibromoethane		Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	36.08	ug/m3	
		Lab Fort Blk. % Rec.	93.90	%	70-130
n-Heptane		Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	15.49	ug/m3	
		Lab Fort Blk. % Rec.	75.62	%	50-150
1,2-Dichlorotetrafluoroethane (114)		Lab Fort Blank Amt.	34.95	ug/m3	



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

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: 3/9/2009

Lims Bat # : LIMIT-23622

Page 8 of 10

QC Batch Number: BATCH-16172

Sample Id	Analysis	QC Analysis	Values	Units	Limits	
LFBLANK-92505	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blk. Found	39.33	ug/m3		
		Lab Fort Blk. % Rec.	112.52	%	70-130	
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3		
		Lab Fort Blk. Found	16.06	ug/m3		
	Propene	Lab Fort Blk. % Rec.	108.96	%	50-150	
		Lab Fort Blank Amt.	8.60	ug/m3		
	1,3-Butadiene	Lab Fort Blk. Found	8.16	ug/m3		
		Lab Fort Blk. % Rec.	94.90	%	50-150	
		Lab Fort Blank Amt.	11.06	ug/m3		
		Lab Fort Blk. Found	12.84	ug/m3		
	LFBLANK-92506	1,1,1-Trichloroethane	Lab Fort Blk. % Rec.	116.10	%	70-130
			Lab Fort Blank Amt.	27.28	ug/m3	
Lab Fort Blk. Found			26.61	ug/m3		
Trichloroethylene		Lab Fort Blk. % Rec.	97.56	%	70-130	
		Lab Fort Blank Amt.	26.87	ug/m3		
		Lab Fort Blk. Found	24.06	ug/m3		
		Lab Fort Blk. % Rec.	89.55	%	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: 3/9/2009 Lims Bat #: LIMIT-23622 Page 10 of 10

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
 www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEL Engineering
 Address: 107 Audubon Rd, Suite 301
Wakefield, MA 01880

Attention: Kelly Chatterton

Project Location: Providence, RI (Garban Site)
 Sampled By: PM

Proposal Provided? (For Billing purposes)

Yes 2-18-09 proposal date

Telephone: (781) 245-6606
 Project # 305006014.11
 Client PO # 200902837

Limit 23622

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: Kjchatterton@mactel.com
 Email: Kjchatterton@mactel.com

Format: EXCEL PDF GIS KEY OTHER

EQUS
 EZEDS

Field ID	Sample Description	Media	Lab #	Date Time	Stop Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*
IA-1	022609	S	06203	2-26-09/1306	2-26-09/1336	30	0.2	6	IA
IA-2	022609	S	06204	2-26-09/1308	2-26-09/1338	30	0.2	6	IA
IA-3	022609	S	06205	2-26-09/1309	2-26-09/1339	30	0.2	6	IA
IA-4	022609	S	06206	2-26-09/1310	2-26-09/1340	30	0.2	6	IA
IA-5	022609	S	06207	2-26-09/1359	2-26-09/1429	30	0.2	6	IA
IA-6	022609	S	06208	2-26-09/1350	2-26-09/1420	30	0.2	6	IA
IA-7	022609	S	06209	2-26-09/1356	2-26-09/1426	30	0.2	6	IA
AA-1	022609	S	06210	2-26-09/1312	2-26-09/1342	30	0.2	6	AMB

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature) [Signature] Date/Time: 2-27-09/1330

Received by: (signature) [Signature] Date/Time: 2-27-09/1330

Relinquished by: (signature) [Signature] Date/Time: 2-27-09/1527

Received by: (signature) [Signature] Date/Time: 2-27-09/1527

Turnaround **
 7-Day
 10-Day
 Other _____

RUSH *
 24-Hr 48-Hr
 72-Hr 4-Day

Approval Required

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)
 Other: _____

Matrix Code: IA = INDOOR AIR
 AMB = AMBIENT
 SS = SUB SLAB
 D = DUP
 BL = BLANK
 O = other _____

Media Codes:
 S = Summa can
 TB = Tedlar bag
 P = PUF
 T = tube
 F = filter
 C = cassette
 O = Other _____

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

AIHA, NELAP & WBE/DBE Certified

ANALYSIS REQUESTED

Hg

1 n i t i a l
 2 n i t i a l
 3 n i t i a l
 4 n i t i a l
 5 n i t i a l

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.

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.



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

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEL Engineering
 Address: 107 Audubon Rd, Suite 301
Wakefield, MA 01880

Attention: Kelly Charleston

Project Location: Providence, RI (Garham site)
 Sampled By: PTM

Proposal Provided? (For Billing purposes)
 yes 2-18-09 proposal date

Telephone: (761) 245-6606
 Project # 365000114-11
 Client PO # 200902837
 Limit-23622

DATA DELIVERY (check one):
 FAX REMAIL WEBSITE CLIENT

Fax #: _____
 Email: Kjcharleston@maetel.com
 Format: EXCEL PDF GIS KEY OTHER EXCEL

Field ID	Sample Description	Media	Lab #	Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	Summa Canister ID	Flow Controller ID	"Hg	
												Start	End
EW-5-022609	S		09B	2-26-09/1548	2-26-09/1618	30	0.2	6	SG				
EW-6-022609	S		06211	2-26-09/1553	2-26-09/1623	30	0.2	6	SG				
EW-7-022609	S		06213	2-26-09/1559	2-26-09/1629	30	0.2	6	SG				
EW-Combined-022609	S		06214	2-26-09/1632	2-26-09/1702	30	0.2	6	SG				
EW-Post Carbon-022609	S		06215	2-26-09/1636	2-26-09/1706	30	0.2	6	SG				

CLIENT COMMENTS: EW-5-022609, EW-6-022609, EW-7-022609, EW-Combined-022609, and EW-Post Carbon-022609 were sampled from same area soil gas.

Requisitioned by: (signature) [Signature] Date/Time: 2-27-09/1330

Received by: (signature) [Signature] Date/Time: 2-27-09/1330

Relinquished by: (signature) [Signature] Date/Time: 02-28/1537

Received by: (signature) [Signature] Date/Time: 02-28/1537

Turnaround **
 7-Day
 10-Day
 Other _____

RUSH *
 *24-Hr *48-Hr *72-Hr *4-Day

Regulations: CF Target Indoor Air (Low-)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: CF Target Indoor Air Low. (Low-)
 Other: _____

Matrix Code: _____ Media Codes: _____

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.

AHA, NELAC & WBE/DBE Certified

Sample Receipt Checklist

CLIENT NAME: Mactec MA RECEIVED BY: TPH DATE: 2-27-09

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples?
If not, explain: Yes No
- 3) Are all the samples in good condition?
If not, explain: Yes No

4) How were the samples received:
On Ice Direct from Sampling Ambient In Cooler(s)

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank _____ Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where:

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: AirLib

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

		# of containers			# of containers
1 Liter Amber			8 oz clear jar		
500 mL Amber			4 oz clear jar		
250 mL Amber (8oz amber)			2 oz clear jar		
1 Liter Plastic			Other glass jar		
500 mL Plastic			Plastic Bag / Ziploc		
250 mL plastic			Air Cassette		
40 mL Vial - type listed below			Brass Sleeves		
Colisure / bacteria bottle			Tubes		
Dissolved Oxygen bottle			Summa Cans		14
Flashpoint bottle			Regulators		14
Encore			Other		

Laboratory Comments: 1 Unused Summa + Regulator

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____ Time and Date Frozen: _____
Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A

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

CONTRACT NUMBER:
 PURCHASE ORDER NUMBER: 200903847

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23811
 JOB NUMBER: 3650080114.11

PROJECT LOCATION: PROVIDENCE-RI

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-030609	09B07182	AIR	Not Specified	to-15 ppbv	
*AA-1-030609	09B07182	AIR	Not Specified	to-15 ug/m3	
*EW-1-030609	09B07183	AIR	Not Specified	to-15 ppbv	
*EW-1-030609	09B07183	AIR	Not Specified	to-15 ug/m3	
*EW-2-030609	09B07184	AIR	Not Specified	to-15 ppbv	
*EW-2-030609	09B07184	AIR	Not Specified	to-15 ug/m3	
*EW-3-030609	09B07185	AIR	Not Specified	to-15 ppbv	
*EW-3-030609	09B07185	AIR	Not Specified	to-15 ug/m3	
*EW-4-030609	09B07186	AIR	Not Specified	to-15 ppbv	
*EW-4-030609	09B07186	AIR	Not Specified	to-15 ug/m3	
*EW-5-030609	09B07187	AIR	Not Specified	to-15 ppbv	
*EW-5-030609	09B07187	AIR	Not Specified	to-15 ug/m3	
*EW-6-030609	09B07188	AIR	Not Specified	to-15 ppbv	
*EW-6-030609	09B07188	AIR	Not Specified	to-15 ug/m3	
*EW-7-030609	09B07189	AIR	Not Specified	to-15 ppbv	
*EW-7-030609	09B07189	AIR	Not Specified	to-15 ug/m3	
*IA-1-030609	09B07178	AIR	Not Specified	to-15 ppbv	
*IA-1-030609	09B07178	AIR	Not Specified	to-15 ug/m3	
*IA-5-030609	09B07179	AIR	Not Specified	to-15 ppbv	
*IA-5-030609	09B07179	AIR	Not Specified	to-15 ug/m3	
*IA-6-030609	09B07180	AIR	Not Specified	to-15 ppbv	
*IA-6-030609	09B07180	AIR	Not Specified	to-15 ug/m3	
*IA-7-030609	09B07181	AIR	Not Specified	to-15 ppbv	
*IA-7-030609	09B07181	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
 OF PARAMETERS ORDERED BY:**





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

REPORT DATE 3/17/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200903847

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-23811
JOB NUMBER: 3650080114.11

Comments :

LIMS BATCH NO. : LIMT-23811

CASE NARRATIVE

In method TO-15, method blank contained acetone at 0.43 ppbv = 1.04 ug/m3, isopropanol at 0.03 ppbv = 0.09 ug/m3, MEK at 0.05 ppbv = 0.16 ug/m3, ethanol at 0.14 ppbv = 0.27 ug/m3, methylene chloride at 0.10 ppbv = 0.27 ug/m3, and vinyl acetate at 0.03 ppbv = 0.12 ug/m3.

In method TO-15, any reported result for trichlorofluoromethane is estimated and likely to be biased on the high side based on continuing calibration bias

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

METHOD TO-15 - ADDITIONAL DETAILS

All TO-15 samples were analyzed undiluted unless specified below:

Sample	Dilution	Compound(s)
09B07183	20x	Most
	800x	Isopropanol, 1,1,1-trichloroethane, and trichloroethylene
09B07184	20x	Most
	400x	1,1-Dichloroethane, cis-1,2-dichloroethylene, 1,1,1-trichloroethane, and trichloroethylene
09B07185	20x	Most
	1000x	1,1,1-Trichloroethane and trichloroethylene
09B07186	5x	Most
09B07187	80x	1,1,1-Trichloroethane, and trichloroethylene
	5x	Most
09B07188	40x	MEK, tetrahydrofuran, 1,1,1-trichloroethane, and trichloroethylene
	20x	Most
09B07189	400x	1,1,1-Trichloroethane and trichloroethylene
	5x	Most
blank-130675	80x	1,1-Dichloroethane, cis-1,2-dichloroethylene, 1,1,1-trichloroethane, and trichloroethylene
	0.5x = 800ml sample	All

In method TO-15, data is not affected by laboratory fortified blank recovery outlier(s) for bromoform and benzyl chloride since all results are "not detected" and recovery bias is on the high side.

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)	



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

REPORT DATE 3/17/2009

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

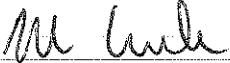
CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200903847

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-23811
JOB NUMBER: 3650080114.11

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.

 3/17/09
SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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



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

3/17/2009
 Page 1 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : AA-1-030609

Sample ID : *09B07182 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2.5	0.05		03/12/09	XC
Benzene	PPBv	0.22	0.05		03/12/09	XC
Benzyl Chloride	PPBv	ND	0.05		03/12/09	XC
Bromodichloromethane	PPBv	ND	0.05		03/12/09	XC
Bromoform	PPBv	ND	0.05		03/12/09	XC
Bromomethane	PPBv	ND	0.05		03/12/09	XC
1,3-Butadiene	PPBv	ND	0.05		03/12/09	XC
2-Butanone (MEK)	PPBv	0.23	0.05		03/12/09	XC
Carbon Disulfide	PPBv	ND	0.05		03/12/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		03/12/09	XC
Chlorobenzene	PPBv	ND	0.05		03/12/09	XC
Chlorodibromomethane	PPBv	ND	0.05		03/12/09	XC
Chloroethane	PPBv	ND	0.05		03/12/09	XC
Chloroform	PPBv	ND	0.05		03/12/09	XC
Chloromethane	PPBv	0.55	0.05		03/12/09	XC
Cyclohexane	PPBv	ND	0.05		03/12/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		03/12/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		03/12/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/12/09	XC
Ethanol	PPBv	1.9	0.05		03/12/09	XC
Ethyl Acetate	PPBv	ND	0.05		03/12/09	XC
Ethylbenzene	PPBv	ND	0.05		03/12/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		03/12/09	XC
n-Heptane	PPBv	ND	0.05		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 2 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : AA-1-030609

Sample ID : *09B07182 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Hexane	PPBv	0.78	0.05		03/12/09	XC
2-Hexanone	PPBv	ND	0.05		03/12/09	XC
Isopropanol	PPBv	0.27	0.05		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/12/09	XC
Methylene Chloride	PPBv	2.1	0.05		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/12/09	XC
Propene	PPBv	ND	0.05		03/12/09	XC
Styrene	PPBv	ND	0.05		03/12/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/12/09	XC
Tetrachloroethylene	PPBv	ND	0.05		03/12/09	XC
Tetrahydrofuran	PPBv	ND	0.05		03/12/09	XC
Toluene	PPBv	0.26	0.05		03/12/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
Trichloroethylene	PPBv	ND	0.05		03/12/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.36	0.05		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		03/12/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
Vinyl Acetate	PPBv	ND	0.05		03/12/09	XC
Vinyl Chloride	PPBv	ND	0.05		03/12/09	XC
m/p-Xylene	PPBv	ND	0.10		03/12/09	XC
o-Xylene	PPBv	ND	0.05		03/12/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	5.9	0.12		03/12/09	XC
Benzene	ug/m3	0.69	0.16		03/12/09	XC
Benzyl Chloride	ug/m3	ND	0.26		03/12/09	XC
Bromodichloromethane	ug/m3	ND	0.33		03/12/09	XC
Bromoform	ug/m3	ND	0.51		03/12/09	XC
Bromomethane	ug/m3	ND	0.19		03/12/09	XC
1,3-Butadiene	ug/m3	ND	0.11		03/12/09	XC
2-Butanone (MEK)	ug/m3	0.67	0.15		03/12/09	XC
Carbon Disulfide	ug/m3	ND	0.16		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

3/17/2009
 Page 3 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : AA-1-030609

Sample ID : *09B07182 ‡Sampled : 3/6/2009
 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	0.61	0.31		03/12/09	XC
Chlorobenzene	ug/m3	ND	0.23		03/12/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		03/12/09	XC
Chloroethane	ug/m3	ND	0.13		03/12/09	XC
Chloroform	ug/m3	ND	0.24		03/12/09	XC
Chloromethane	ug/m3	1.1	0.10		03/12/09	XC
Cyclohexane	ug/m3	ND	0.17		03/12/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		03/12/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/12/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		03/12/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/12/09	XC
Ethanol	ug/m3	3.5	0.09		03/12/09	XC
Ethyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Ethylbenzene	ug/m3	ND	0.22		03/12/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		03/12/09	XC
n-Heptane	ug/m3	ND	0.20		03/12/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		03/12/09	XC
Hexane	ug/m3	2.8	0.18		03/12/09	XC
2-Hexanone	ug/m3	ND	0.20		03/12/09	XC
Isopropanol	ug/m3	0.67	0.12		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/12/09	XC
Methylene Chloride	ug/m3	7.4	0.17		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/12/09	XC
Propene	ug/m3	ND	0.09		03/12/09	XC
Styrene	ug/m3	ND	0.21		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

3/17/2009
Page 4 of 51
Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Field Sample # : AA-1-030609

Sample ID : *09B07182 ‡Sampled : 3/6/2009
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		03/12/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		03/12/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		03/12/09	XC
Toluene	ug/m3	0.99	0.19		03/12/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/12/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
Trichloroethylene	ug/m3	ND	0.27		03/12/09	XC
Trichlorofluoromethane	ug/m3	2.0	0.28		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		03/12/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
Vinyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Vinyl Chloride	ug/m3	ND	0.13		03/12/09	XC
m/p-Xylene	ug/m3	ND	0.43		03/12/09	XC
o-Xylene	ug/m3	ND	0.22		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

3/17/2009
 Page 5 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-1-030609

Sample ID : *09B07183 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	15	1.0		03/13/09	XC
Benzene	PPBv	1.7	1.0		03/13/09	XC
Benzyl Chloride	PPBv	ND	1.0		03/13/09	XC
Bromodichloromethane	PPBv	ND	1.0		03/13/09	XC
Bromoform	PPBv	ND	1.0		03/13/09	XC
Bromomethane	PPBv	ND	1.0		03/13/09	XC
1,3-Butadiene	PPBv	ND	1.0		03/13/09	XC
2-Butanone (MEK)	PPBv	1.2	1.0		03/13/09	XC
Carbon Disulfide	PPBv	ND	1.0		03/13/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		03/13/09	XC
Chlorobenzene	PPBv	ND	1.0		03/13/09	XC
Chlorodibromomethane	PPBv	ND	1.0		03/13/09	XC
Chloroethane	PPBv	66	1.0		03/13/09	XC
Chloroform	PPBv	4.1	1.0		03/13/09	XC
Chloromethane	PPBv	ND	1.0		03/13/09	XC
Cyclohexane	PPBv	ND	1.0		03/13/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		03/13/09	XC
1,1-Dichloroethane	PPBv	1000	1.0		03/13/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		03/13/09	XC
1,1-Dichloroethylene	PPBv	140	1.0		03/13/09	XC
cis-1,2-Dichloroethylene	PPBv	520	1.0		03/13/09	XC
t-1,2-Dichloroethylene	PPBv	2.3	1.0		03/13/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		03/13/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		03/13/09	XC
Ethanol	PPBv	17	1.0		03/13/09	XC
Ethyl Acetate	PPBv	ND	1.0		03/13/09	XC
Ethylbenzene	PPBv	ND	1.0		03/13/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		03/13/09	XC
n-Heptane	PPBv	ND	1.0		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 6 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-1-030609

Sample ID : *09B07183 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Hexane	PPBv	ND	1.0		03/13/09	XC
2-Hexanone	PPBv	ND	1.0		03/13/09	XC
Isopropanol	PPBv	11	1.0		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		03/13/09	XC
Methylene Chloride	PPBv	ND	2.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		03/13/09	XC
Propene	PPBv	ND	1.0		03/13/09	XC
Styrene	PPBv	ND	1.0		03/13/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		03/13/09	XC
Tetrachloroethylene	PPBv	89	1.0		03/13/09	XC
Tetrahydrofuran	PPBv	2.1	1.0		03/13/09	XC
Toluene	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,1,1-Trichloroethane	PPBv	11000	1.0		03/13/09	XC
1,1,2-Trichloroethane	PPBv	1.2	1.0		03/13/09	XC
Trichloroethylene	PPBv	5700	1.0		03/13/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	93	1.0		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		03/13/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		03/13/09	XC
Vinyl Acetate	PPBv	ND	1.0		03/13/09	XC
Vinyl Chloride	PPBv	1.0	1.0		03/13/09	XC
m/p-Xylene	PPBv	ND	2.0		03/13/09	XC
o-Xylene	PPBv	ND	1.0		03/13/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	35	2.4		03/13/09	XC
Benzene	ug/m3	5.3	3.2		03/13/09	XC
Benzyl Chloride	ug/m3	ND	5.2		03/13/09	XC
Bromodichloromethane	ug/m3	ND	6.6		03/13/09	XC
Bromoform	ug/m3	ND	11		03/13/09	XC
Bromomethane	ug/m3	ND	3.8		03/13/09	XC
1,3-Butadiene	ug/m3	ND	2.2		03/13/09	XC
2-Butanone (MEK)	ug/m3	3.5	3.0		03/13/09	XC
Carbon Disulfide	ug/m3	ND	3.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

3/17/2009

Page 7 of 51

Purchase Order No.: 200903847

Project Number: 3650080114.11

Project Location: PROVIDENCE-RI

LIMS-BAT #: LIMIT-23811

Date Received: 3/9/2009

Job Number: 3650080114.11

Field Sample # : EW-1-030609

Sample ID : *09B07183 ‡Sampled : 3/6/2009
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		03/13/09	XC
Chlorobenzene	ug/m3	ND	4.6		03/13/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		03/13/09	XC
Chloroethane	ug/m3	170	2.6		03/13/09	XC
Chloroform	ug/m3	20	4.8		03/13/09	XC
Chloromethane	ug/m3	ND	2.0		03/13/09	XC
Cyclohexane	ug/m3	ND	3.4		03/13/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		03/13/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		03/13/09	XC
1,1-Dichloroethane	ug/m3	4100	4.0		03/13/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		03/13/09	XC
1,1-Dichloroethylene	ug/m3	570	4.0		03/13/09	XC
cis-1,2-Dichloroethylene	ug/m3	2000	4.0		03/13/09	XC
t-1,2-Dichloroethylene	ug/m3	9.2	4.0		03/13/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		03/13/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		03/13/09	XC
Ethanol	ug/m3	33	1.8		03/13/09	XC
Ethyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Ethylbenzene	ug/m3	ND	4.4		03/13/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		03/13/09	XC
n-Heptane	ug/m3	ND	4.0		03/13/09	XC
Hexachlorobutadiene	ug/m3	ND	22		03/13/09	XC
Hexane	ug/m3	ND	3.6		03/13/09	XC
2-Hexanone	ug/m3	ND	4.0		03/13/09	XC
Isopropanol	ug/m3	28	2.4		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		03/13/09	XC
Methylene Chloride	ug/m3	ND	7.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		03/13/09	XC
Propene	ug/m3	ND	1.8		03/13/09	XC
Styrene	ug/m3	ND	4.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 8 of 51

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : EW-1-030609

Sample ID : *09B07183 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Tetrachloroethylene	ug/m3	600	6.8		03/13/09	XC
Tetrahydrofuran	ug/m3	6.3	3.0		03/13/09	XC
Toluene	ug/m3	ND	3.8		03/13/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		03/13/09	XC
1,1,1-Trichloroethane	ug/m3	59000	5.4		03/13/09	XC
1,1,2-Trichloroethane	ug/m3	6.4	5.4		03/13/09	XC
Trichloroethylene	ug/m3	31000	5.4		03/13/09	XC
Trichlorofluoromethane	ug/m3	520	5.6		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		03/13/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		03/13/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		03/13/09	XC
Vinyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Vinyl Chloride	ug/m3	2.7	2.6		03/13/09	XC
m/p-Xylene	ug/m3	ND	8.6		03/13/09	XC
o-Xylene	ug/m3	ND	4.4		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

3/17/2009
 Page 9 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-2-030609

Sample ID : *09B07184 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	ND	4.0		03/13/09	XC
Benzene	PPBv	1.8	1.0		03/13/09	XC
Benzyl Chloride	PPBv	ND	1.0		03/13/09	XC
Bromodichloromethane	PPBv	ND	1.0		03/13/09	XC
Bromoform	PPBv	ND	1.0		03/13/09	XC
Bromomethane	PPBv	ND	1.0		03/13/09	XC
1,3-Butadiene	PPBv	ND	1.0		03/13/09	XC
2-Butanone (MEK)	PPBv	4.1	1.0		03/13/09	XC
Carbon Disulfide	PPBv	8.6	1.0		03/13/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		03/13/09	XC
Chlorobenzene	PPBv	ND	1.0		03/13/09	XC
Chlorodibromomethane	PPBv	ND	1.0		03/13/09	XC
Chloroethane	PPBv	260	1.0		03/13/09	XC
Chloroform	PPBv	2.0	1.0		03/13/09	XC
Chloromethane	PPBv	ND	1.0		03/13/09	XC
Cyclohexane	PPBv	2.4	1.0		03/13/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		03/13/09	XC
1,1-Dichloroethane	PPBv	1400	1.0		03/13/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		03/13/09	XC
1,1-Dichloroethylene	PPBv	83	1.0		03/13/09	XC
cis-1,2-Dichloroethylene	PPBv	1500	1.0		03/13/09	XC
t-1,2-Dichloroethylene	PPBv	17	1.0		03/13/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		03/13/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		03/13/09	XC
Ethanol	PPBv	6.1	1.0		03/13/09	XC
Ethyl Acetate	PPBv	ND	1.0		03/13/09	XC
Ethylbenzene	PPBv	ND	1.0		03/13/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		03/13/09	XC
n-Heptane	PPBv	ND	1.0		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 10 of 51

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : EW-2-030609

Sample ID : *09B07184 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Hexane	PPBv	ND	1.0		03/13/09	XC
2-Hexanone	PPBv	ND	1.0		03/13/09	XC
Isopropanol	PPBv	ND	1.0		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		03/13/09	XC
Methylene Chloride	PPBv	ND	2.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		03/13/09	XC
Propene	PPBv	ND	1.0		03/13/09	XC
Styrene	PPBv	ND	1.0		03/13/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		03/13/09	XC
Tetrachloroethylene	PPBv	340	1.0		03/13/09	XC
Tetrahydrofuran	PPBv	6.3	1.0		03/13/09	XC
Toluene	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,1,1-Trichloroethane	PPBv	4700	1.0		03/13/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		03/13/09	XC
Trichloroethylene	PPBv	4700	1.0		03/13/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	220	1.0		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		03/13/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		03/13/09	XC
Vinyl Acetate	PPBv	ND	1.0		03/13/09	XC
Vinyl Chloride	PPBv	3.7	1.0		03/13/09	XC
m/p-Xylene	PPBv	ND	2.0		03/13/09	XC
o-Xylene	PPBv	ND	1.0		03/13/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	ND	9.6		03/13/09	XC
Benzene	ug/m3	5.6	3.2		03/13/09	XC
Benzyl Chloride	ug/m3	ND	5.2		03/13/09	XC
Bromodichloromethane	ug/m3	ND	6.6		03/13/09	XC
Bromoform	ug/m3	ND	11		03/13/09	XC
Bromomethane	ug/m3	ND	3.8		03/13/09	XC
1,3-Butadiene	ug/m3	ND	2.2		03/13/09	XC
2-Butanone (MEK)	ug/m3	12	3.0		03/13/09	XC
Carbon Disulfide	ug/m3	27	3.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

Purchase Order No.: 200903847

3/17/2009

Page 11 of 51

Project Number: 3650080114.11

Project Location: PROVIDENCE-RI

LIMS-BAT #: LIMIT-23811

Date Received: 3/9/2009

Job Number: 3650080114.11

Field Sample # : EW-2-030609

Sample ID : *09B07184 ‡Sampled : 3/6/2009
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		03/13/09	XC
Chlorobenzene	ug/m3	ND	4.6		03/13/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		03/13/09	XC
Chloroethane	ug/m3	700	2.6		03/13/09	XC
Chloroform	ug/m3	9.6	4.8		03/13/09	XC
Chloromethane	ug/m3	ND	2.0		03/13/09	XC
Cyclohexane	ug/m3	8.4	3.4		03/13/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		03/13/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		03/13/09	XC
1,1-Dichloroethane	ug/m3	5700	4.0		03/13/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		03/13/09	XC
1,1-Dichloroethylene	ug/m3	330	4.0		03/13/09	XC
cis-1,2-Dichloroethylene	ug/m3	6100	4.0		03/13/09	XC
t-1,2-Dichloroethylene	ug/m3	69	4.0		03/13/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		03/13/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		03/13/09	XC
Ethanol	ug/m3	12	1.8		03/13/09	XC
Ethyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Ethylbenzene	ug/m3	ND	4.4		03/13/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		03/13/09	XC
n-Heptane	ug/m3	ND	4.0		03/13/09	XC
Hexachlorobutadiene	ug/m3	ND	22		03/13/09	XC
Hexane	ug/m3	ND	3.6		03/13/09	XC
2-Hexanone	ug/m3	ND	4.0		03/13/09	XC
Isopropanol	ug/m3	ND	2.4		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		03/13/09	XC
Methylene Chloride	ug/m3	ND	7.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		03/13/09	XC
Propene	ug/m3	ND	1.8		03/13/09	XC
Styrene	ug/m3	ND	4.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 12 of 51

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : EW-2-030609

Sample ID : *09B07184 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Tetrachloroethylene	ug/m3	2300	6.8		03/13/09	XC
Tetrahydrofuran	ug/m3	19	3.0		03/13/09	XC
Toluene	ug/m3	ND	3.8		03/13/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		03/13/09	XC
1,1,1-Trichloroethane	ug/m3	26000	5.4		03/13/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		03/13/09	XC
Trichloroethylene	ug/m3	25000	5.4		03/13/09	XC
Trichlorofluoromethane	ug/m3	1300	5.6		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		03/13/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		03/13/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		03/13/09	XC
Vinyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Vinyl Chloride	ug/m3	9.4	2.6		03/13/09	XC
m/p-Xylene	ug/m3	ND	8.6		03/13/09	XC
o-Xylene	ug/m3	ND	4.4		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
Page 13 of 51Project Location: PROVIDENCE-RI
Date Received: 3/9/2009Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11**Field Sample # : EW-3-030609**Sample ID : *09B07185 ‡Sampled : 3/6/2009
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	22	1.0		03/13/09	XC
Benzene	PPBv	ND	1.0		03/13/09	XC
Benzyl Chloride	PPBv	ND	1.0		03/13/09	XC
Bromodichloromethane	PPBv	ND	1.0		03/13/09	XC
Bromoform	PPBv	ND	1.0		03/13/09	XC
Bromomethane	PPBv	ND	1.0		03/13/09	XC
1,3-Butadiene	PPBv	ND	1.0		03/13/09	XC
2-Butanone (MEK)	PPBv	12	1.0		03/13/09	XC
Carbon Disulfide	PPBv	ND	1.0		03/13/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		03/13/09	XC
Chlorobenzene	PPBv	ND	1.0		03/13/09	XC
Chlorodibromomethane	PPBv	ND	1.0		03/13/09	XC
Chloroethane	PPBv	15	1.0		03/13/09	XC
Chloroform	PPBv	2.7	1.0		03/13/09	XC
Chloromethane	PPBv	ND	1.0		03/13/09	XC
Cyclohexane	PPBv	ND	1.0		03/13/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
Dichlorodifluoromethane	PPBv	1.1	1.0		03/13/09	XC
1,1-Dichloroethane	PPBv	390	1.0		03/13/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		03/13/09	XC
1,1-Dichloroethylene	PPBv	87	1.0		03/13/09	XC
cis-1,2-Dichloroethylene	PPBv	150	1.0		03/13/09	XC
t-1,2-Dichloroethylene	PPBv	ND	1.0		03/13/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		03/13/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		03/13/09	XC
Ethanol	PPBv	21	1.0		03/13/09	XC
Ethyl Acetate	PPBv	ND	1.0		03/13/09	XC
Ethylbenzene	PPBv	ND	1.0		03/13/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		03/13/09	XC
n-Heptane	PPBv	ND	1.0		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 14 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-3-030609

Sample ID : *09B07185 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Hexane	PPBv	ND	1.0		03/13/09	XC
2-Hexanone	PPBv	ND	1.0		03/13/09	XC
Isopropanol	PPBv	11	1.0		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		03/13/09	XC
Methylene Chloride	PPBv	ND	2.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		03/13/09	XC
Propene	PPBv	ND	1.0		03/13/09	XC
Styrene	PPBv	ND	1.0		03/13/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		03/13/09	XC
Tetrachloroethylene	PPBv	11	1.0		03/13/09	XC
Tetrahydrofuran	PPBv	11	1.0		03/13/09	XC
Toluene	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,1,1-Trichloroethane	PPBv	9900	1.0		03/13/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		03/13/09	XC
Trichloroethylene	PPBv	1600	1.0		03/13/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	77	1.0		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		03/13/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		03/13/09	XC
Vinyl Acetate	PPBv	ND	1.0		03/13/09	XC
Vinyl Chloride	PPBv	ND	1.0		03/13/09	XC
m/p-Xylene	PPBv	ND	2.0		03/13/09	XC
o-Xylene	PPBv	ND	1.0		03/13/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	53	2.4		03/13/09	XC
Benzene	ug/m3	ND	3.2		03/13/09	XC
Benzyl Chloride	ug/m3	ND	5.2		03/13/09	XC
Bromodichloromethane	ug/m3	ND	6.6		03/13/09	XC
Bromoform	ug/m3	ND	11		03/13/09	XC
Bromomethane	ug/m3	ND	3.8		03/13/09	XC
1,3-Butadiene	ug/m3	ND	2.2		03/13/09	XC
2-Butanone (MEK)	ug/m3	36	3.0		03/13/09	XC
Carbon Disulfide	ug/m3	ND	3.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009

Page 15 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-3-030609

Sample ID : *09B07185 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Chlorobenzene	ug/m3	ND	4.6		03/13/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		03/13/09	XC
Chloroethane	ug/m3	41	2.6		03/13/09	XC
Chloroform	ug/m3	13	4.8		03/13/09	XC
Chloromethane	ug/m3	ND	2.0		03/13/09	XC
Cyclohexane	ug/m3	ND	3.4		03/13/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		03/13/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
Dichlorodifluoromethane	ug/m3	5.4	5.0		03/13/09	XC
1,1-Dichloroethane	ug/m3	1600	4.0		03/13/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		03/13/09	XC
1,1-Dichloroethylene	ug/m3	340	4.0		03/13/09	XC
cis-1,2-Dichloroethylene	ug/m3	610	4.0		03/13/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	4.0		03/13/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		03/13/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		03/13/09	XC
Ethanol	ug/m3	39	1.8		03/13/09	XC
Ethyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Ethylbenzene	ug/m3	ND	4.4		03/13/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		03/13/09	XC
n-Heptane	ug/m3	ND	4.0		03/13/09	XC
Hexachlorobutadiene	ug/m3	ND	22		03/13/09	XC
Hexane	ug/m3	ND	3.6		03/13/09	XC
2-Hexanone	ug/m3	ND	4.0		03/13/09	XC
Isopropanol	ug/m3	26	2.4		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		03/13/09	XC
Methylene Chloride	ug/m3	ND	7.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		03/13/09	XC
Propene	ug/m3	ND	1.8		03/13/09	XC
Styrene	ug/m3	ND	4.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

3/17/2009
 Page 16 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-3-030609

Sample ID : *09B07185 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Tetrachloroethylene	ug/m3	73	6.8		03/13/09	XC
Tetrahydrofuran	ug/m3	32	3.0		03/13/09	XC
Toluene	ug/m3	ND	3.8		03/13/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		03/13/09	XC
1,1,1-Trichloroethane	ug/m3	54000	5.4		03/13/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		03/13/09	XC
Trichloroethylene	ug/m3	8600	5.4		03/13/09	XC
Trichlorofluoromethane	ug/m3	430	5.6		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		03/13/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		03/13/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		03/13/09	XC
Vinyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Vinyl Chloride	ug/m3	ND	2.6		03/13/09	XC
m/p-Xylene	ug/m3	ND	8.6		03/13/09	XC
o-Xylene	ug/m3	ND	4.4		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 17 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-4-030609

Sample ID : *09B07186 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	11	0.25		03/13/09	XC
Benzene	PPBv	0.44	0.25		03/13/09	XC
Benzyl Chloride	PPBv	ND	0.25		03/13/09	XC
Bromodichloromethane	PPBv	ND	0.25		03/13/09	XC
Bromoform	PPBv	ND	0.25		03/13/09	XC
Bromomethane	PPBv	ND	0.25		03/13/09	XC
1,3-Butadiene	PPBv	ND	0.25		03/13/09	XC
2-Butanone (MEK)	PPBv	12	0.25		03/13/09	XC
Carbon Disulfide	PPBv	0.57	0.25		03/13/09	XC
Carbon Tetrachloride	PPBv	ND	0.25		03/13/09	XC
Chlorobenzene	PPBv	ND	0.25		03/13/09	XC
Chlorodibromomethane	PPBv	ND	0.25		03/13/09	XC
Chloroethane	PPBv	6.4	0.25		03/13/09	XC
Chloroform	PPBv	0.74	0.25		03/13/09	XC
Chloromethane	PPBv	ND	0.25		03/13/09	XC
Cyclohexane	PPBv	ND	0.25		03/13/09	XC
1,2-Dibromoethane	PPBv	ND	0.25		03/13/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
Dichlorodifluoromethane	PPBv	0.54	0.25		03/13/09	XC
1,1-Dichloroethane	PPBv	170	0.25		03/13/09	XC
1,2-Dichloroethane	PPBv	ND	0.25		03/13/09	XC
1,1-Dichloroethylene	PPBv	25	0.25		03/13/09	XC
cis-1,2-Dichloroethylene	PPBv	140	0.25		03/13/09	XC
t-1,2-Dichloroethylene	PPBv	0.64	0.25		03/13/09	XC
1,2-Dichloropropane	PPBv	ND	0.25		03/13/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.25		03/13/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.25		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.25		03/13/09	XC
Ethanol	PPBv	4.6	0.25		03/13/09	XC
Ethyl Acetate	PPBv	ND	0.25		03/13/09	XC
Ethylbenzene	PPBv	ND	0.25		03/13/09	XC
4-Ethyl Toluene	PPBv	ND	0.25		03/13/09	XC
n-Heptane	PPBv	ND	0.25		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 18 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-4-030609

Sample ID : *09B07186 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.50		03/13/09	XC
Hexane	PPBv	0.90	0.25		03/13/09	XC
2-Hexanone	PPBv	ND	0.25		03/13/09	XC
Isopropanol	PPBv	3.1	0.25		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.25		03/13/09	XC
Methylene Chloride	PPBv	5.4	0.25		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.25		03/13/09	XC
Propene	PPBv	ND	0.25		03/13/09	XC
Styrene	PPBv	ND	0.25		03/13/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.25		03/13/09	XC
Tetrachloroethylene	PPBv	4.5	0.25		03/13/09	XC
Tetrahydrofuran	PPBv	13	0.25		03/13/09	XC
Toluene	PPBv	0.37	0.25		03/13/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,1,1-Trichloroethane	PPBv	2100	0.25		03/13/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.25		03/13/09	XC
Trichloroethylene	PPBv	500	0.25		03/13/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	43	0.25		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.25		03/13/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.25		03/13/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.25		03/13/09	XC
Vinyl Acetate	PPBv	ND	0.25		03/13/09	XC
Vinyl Chloride	PPBv	0.26	0.25		03/13/09	XC
m/p-Xylene	PPBv	ND	0.50		03/13/09	XC
o-Xylene	PPBv	ND	0.25		03/13/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	26	0.60		03/13/09	XC
Benzene	ug/m3	1.4	0.80		03/13/09	XC
Benzyl Chloride	ug/m3	ND	1.3		03/13/09	XC
Bromodichloromethane	ug/m3	ND	1.7		03/13/09	XC
Bromoform	ug/m3	ND	2.6		03/13/09	XC
Bromomethane	ug/m3	ND	0.95		03/13/09	XC
1,3-Butadiene	ug/m3	ND	0.55		03/13/09	XC
2-Butanone (MEK)	ug/m3	36	0.75		03/13/09	XC
Carbon Disulfide	ug/m3	1.8	0.80		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200903847

3/17/2009

Page 19 of 51

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23811

Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Field Sample # : EW-4-030609

Sample ID : *09B07186 ‡Sampled : 3/6/2009
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	1.6		03/13/09	XC
Chlorobenzene	ug/m3	ND	1.2		03/13/09	XC
Chlorodibromomethane	ug/m3	ND	2.2		03/13/09	XC
Chloroethane	ug/m3	17	0.65		03/13/09	XC
Chloroform	ug/m3	3.6	1.2		03/13/09	XC
Chloromethane	ug/m3	ND	0.50		03/13/09	XC
Cyclohexane	ug/m3	ND	0.85		03/13/09	XC
1,2-Dibromoethane	ug/m3	ND	1.9		03/13/09	XC
1,2-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
1,3-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
1,4-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
Dichlorodifluoromethane	ug/m3	2.6	1.3		03/13/09	XC
1,1-Dichloroethane	ug/m3	690	1.0		03/13/09	XC
1,2-Dichloroethane	ug/m3	ND	1.0		03/13/09	XC
1,1-Dichloroethylene	ug/m3	97	1.0		03/13/09	XC
cis-1,2-Dichloroethylene	ug/m3	560	1.0		03/13/09	XC
t-1,2-Dichloroethylene	ug/m3	2.5	1.0		03/13/09	XC
1,2-Dichloropropane	ug/m3	ND	1.2		03/13/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	1.1		03/13/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	1.1		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	1.8		03/13/09	XC
Ethanol	ug/m3	8.6	0.45		03/13/09	XC
Ethyl Acetate	ug/m3	ND	0.90		03/13/09	XC
Ethylbenzene	ug/m3	ND	1.1		03/13/09	XC
4-Ethyl Toluene	ug/m3	ND	1.3		03/13/09	XC
n-Heptane	ug/m3	ND	1.0		03/13/09	XC
Hexachlorobutadiene	ug/m3	ND	5.4		03/13/09	XC
Hexane	ug/m3	3.2	0.90		03/13/09	XC
2-Hexanone	ug/m3	ND	1.0		03/13/09	XC
Isopropanol	ug/m3	7.5	0.60		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.90		03/13/09	XC
Methylene Chloride	ug/m3	19	0.85		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	1.0		03/13/09	XC
Propene	ug/m3	ND	0.45		03/13/09	XC
Styrene	ug/m3	ND	1.1		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 20 of 51
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : EW-4-030609

Sample ID : *09B07186 ‡Sampled : 3/6/2009
 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	1.7		03/13/09	XC
Tetrachloroethylene	ug/m3	31	1.7		03/13/09	XC
Tetrahydrofuran	ug/m3	37	0.75		03/13/09	XC
Toluene	ug/m3	1.4	0.95		03/13/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	1.9		03/13/09	XC
1,1,1-Trichloroethane	ug/m3	11000	1.4		03/13/09	XC
1,1,2-Trichloroethane	ug/m3	ND	1.4		03/13/09	XC
Trichloroethylene	ug/m3	2700	1.4		03/13/09	XC
Trichlorofluoromethane	ug/m3	240	1.4		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	1.9		03/13/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	1.3		03/13/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	1.3		03/13/09	XC
Vinyl Acetate	ug/m3	ND	0.90		03/13/09	XC
Vinyl Chloride	ug/m3	0.65	0.65		03/13/09	XC
m/p-Xylene	ug/m3	ND	2.2		03/13/09	XC
o-Xylene	ug/m3	ND	1.1		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 21 of 51
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : EW-5-030609

Sample ID : *09B07187 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	190	0.25		03/13/09	XC
Benzene	PPBv	1.8	0.25		03/13/09	XC
Benzyl Chloride	PPBv	ND	0.25		03/13/09	XC
Bromodichloromethane	PPBv	ND	0.25		03/13/09	XC
Bromoform	PPBv	ND	0.25		03/13/09	XC
Bromomethane	PPBv	ND	0.25		03/13/09	XC
1,3-Butadiene	PPBv	ND	0.25		03/13/09	XC
2-Butanone (MEK)	PPBv	1300	0.25		03/13/09	XC
Carbon Disulfide	PPBv	ND	0.25		03/13/09	XC
Carbon Tetrachloride	PPBv	ND	0.25		03/13/09	XC
Chlorobenzene	PPBv	ND	0.25		03/13/09	XC
Chlorodibromomethane	PPBv	ND	0.25		03/13/09	XC
Chloroethane	PPBv	1.7	0.25		03/13/09	XC
Chloroform	PPBv	0.58	0.25		03/13/09	XC
Chloromethane	PPBv	ND	0.25		03/13/09	XC
Cyclohexane	PPBv	ND	0.25		03/13/09	XC
1,2-Dibromoethane	PPBv	ND	0.25		03/13/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
Dichlorodifluoromethane	PPBv	0.55	0.25		03/13/09	XC
1,1-Dichloroethane	PPBv	47	0.25		03/13/09	XC
1,2-Dichloroethane	PPBv	ND	0.25		03/13/09	XC
1,1-Dichloroethylene	PPBv	15	0.25		03/13/09	XC
cis-1,2-Dichloroethylene	PPBv	26	0.25		03/13/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.25		03/13/09	XC
1,2-Dichloropropane	PPBv	ND	0.25		03/13/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.25		03/13/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.25		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.25		03/13/09	XC
Ethanol	PPBv	12	0.25		03/13/09	XC
Ethyl Acetate	PPBv	ND	0.25		03/13/09	XC
Ethylbenzene	PPBv	ND	0.25		03/13/09	XC
4-Ethyl Toluene	PPBv	ND	0.25		03/13/09	XC
n-Heptane	PPBv	ND	0.25		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 22 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-5-030609

Sample ID : *09B07187 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.50		03/13/09	XC
Hexane	PPBv	0.64	0.25		03/13/09	XC
2-Hexanone	PPBv	ND	0.25		03/13/09	XC
Isopropanol	PPBv	1.9	0.25		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.25		03/13/09	XC
Methylene Chloride	PPBv	3.5	0.25		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.25		03/13/09	XC
Propene	PPBv	ND	0.25		03/13/09	XC
Styrene	PPBv	0.40	0.25		03/13/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.25		03/13/09	XC
Tetrachloroethylene	PPBv	1.2	0.25		03/13/09	XC
Tetrahydrofuran	PPBv	760	0.25		03/13/09	XC
Toluene	PPBv	ND	0.25		03/13/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,1,1-Trichloroethane	PPBv	330	0.25		03/13/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.25		03/13/09	XC
Trichloroethylene	PPBv	440	0.25		03/13/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	2.8	0.25		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.25		03/13/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.25		03/13/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.25		03/13/09	XC
Vinyl Acetate	PPBv	ND	0.25		03/13/09	XC
Vinyl Chloride	PPBv	ND	0.25		03/13/09	XC
m/p-Xylene	PPBv	ND	0.50		03/13/09	XC
o-Xylene	PPBv	ND	0.25		03/13/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	460	0.60		03/13/09	XC
Benzene	ug/m3	5.6	0.80		03/13/09	XC
Benzyl Chloride	ug/m3	ND	1.3		03/13/09	XC
Bromodichloromethane	ug/m3	ND	1.7		03/13/09	XC
Bromoform	ug/m3	ND	2.6		03/13/09	XC
Bromomethane	ug/m3	ND	0.95		03/13/09	XC
1,3-Butadiene	ug/m3	ND	0.55		03/13/09	XC
2-Butanone (MEK)	ug/m3	3700	0.75		03/13/09	XC
Carbon Disulfide	ug/m3	ND	0.80		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

3/17/2009
 Page 23 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-5-030609

Sample ID : *09B07187 ‡Sampled : 3/6/2009
 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	1.6		03/13/09	XC
Chlorobenzene	ug/m3	ND	1.2		03/13/09	XC
Chlorodibromomethane	ug/m3	ND	2.2		03/13/09	XC
Chloroethane	ug/m3	4.5	0.65		03/13/09	XC
Chloroform	ug/m3	2.8	1.2		03/13/09	XC
Chloromethane	ug/m3	ND	0.50		03/13/09	XC
Cyclohexane	ug/m3	ND	0.85		03/13/09	XC
1,2-Dibromoethane	ug/m3	ND	1.9		03/13/09	XC
1,2-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
1,3-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
1,4-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
Dichlorodifluoromethane	ug/m3	2.7	1.3		03/13/09	XC
1,1-Dichloroethane	ug/m3	190	1.0		03/13/09	XC
1,2-Dichloroethane	ug/m3	ND	1.0		03/13/09	XC
1,1-Dichloroethylene	ug/m3	61	1.0		03/13/09	XC
cis-1,2-Dichloroethylene	ug/m3	100	1.0		03/13/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	1.0		03/13/09	XC
1,2-Dichloropropane	ug/m3	ND	1.2		03/13/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	1.1		03/13/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	1.1		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	1.8		03/13/09	XC
Ethanol	ug/m3	22	0.45		03/13/09	XC
Ethyl Acetate	ug/m3	ND	0.90		03/13/09	XC
Ethylbenzene	ug/m3	ND	1.1		03/13/09	XC
4-Ethyl Toluene	ug/m3	ND	1.3		03/13/09	XC
n-Heptane	ug/m3	ND	1.0		03/13/09	XC
Hexachlorobutadiene	ug/m3	ND	5.4		03/13/09	XC
Hexane	ug/m3	2.3	0.90		03/13/09	XC
2-Hexanone	ug/m3	ND	1.0		03/13/09	XC
Isopropanol	ug/m3	4.6	0.60		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.90		03/13/09	XC
Methylene Chloride	ug/m3	12	0.85		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	1.0		03/13/09	XC
Propene	ug/m3	ND	0.45		03/13/09	XC
Styrene	ug/m3	1.7	1.1		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Purchase Order No.: 200903847

3/17/2009
Page 24 of 51
Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Field Sample # : EW-5-030609

Sample ID : *09B07187 ‡Sampled : 3/6/2009
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	1.7		03/13/09	XC
Tetrachloroethylene	ug/m3	8.0	1.7		03/13/09	XC
Tetrahydrofuran	ug/m3	2200	0.75		03/13/09	XC
Toluene	ug/m3	ND	0.95		03/13/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	1.9		03/13/09	XC
1,1,1-Trichloroethane	ug/m3	1800	1.4		03/13/09	XC
1,1,2-Trichloroethane	ug/m3	ND	1.4		03/13/09	XC
Trichloroethylene	ug/m3	2400	1.4		03/13/09	XC
Trichlorofluoromethane	ug/m3	16	1.4		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	1.9		03/13/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	1.3		03/13/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	1.3		03/13/09	XC
Vinyl Acetate	ug/m3	ND	0.90		03/13/09	XC
Vinyl Chloride	ug/m3	ND	0.65		03/13/09	XC
m/p-Xylene	ug/m3	ND	2.2		03/13/09	XC
o-Xylene	ug/m3	ND	1.1		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

Purchase Order No.: 200903847

3/17/2009
 Page 25 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-6-030609

Sample ID : *09B07188 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	9.5	1.0		03/13/09	XC
Benzene	PPBv	ND	1.0		03/13/09	XC
Benzyl Chloride	PPBv	ND	1.0		03/13/09	XC
Bromodichloromethane	PPBv	ND	1.0		03/13/09	XC
Bromoform	PPBv	ND	1.0		03/13/09	XC
Bromomethane	PPBv	ND	1.0		03/13/09	XC
1,3-Butadiene	PPBv	ND	1.0		03/13/09	XC
2-Butanone (MEK)	PPBv	33	1.0		03/13/09	XC
Carbon Disulfide	PPBv	ND	1.0		03/13/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		03/13/09	XC
Chlorobenzene	PPBv	ND	1.0		03/13/09	XC
Chlorodibromomethane	PPBv	ND	1.0		03/13/09	XC
Chloroethane	PPBv	4.8	1.0		03/13/09	XC
Chloroform	PPBv	4.3	1.0		03/13/09	XC
Chloromethane	PPBv	ND	1.0		03/13/09	XC
Cyclohexane	PPBv	ND	1.0		03/13/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		03/13/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		03/13/09	XC
1,1-Dichloroethane	PPBv	410	1.0		03/13/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		03/13/09	XC
1,1-Dichloroethylene	PPBv	14	1.0		03/13/09	XC
cis-1,2-Dichloroethylene	PPBv	37	1.0		03/13/09	XC
t-1,2-Dichloroethylene	PPBv	ND	1.0		03/13/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		03/13/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		03/13/09	XC
Ethanol	PPBv	13	1.0		03/13/09	XC
Ethyl Acetate	PPBv	ND	1.0		03/13/09	XC
Ethylbenzene	PPBv	ND	1.0		03/13/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		03/13/09	XC
n-Heptane	PPBv	ND	1.0		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 26 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-6-030609

Sample ID : *09B07188 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Hexane	PPBv	ND	1.0		03/13/09	XC
2-Hexanone	PPBv	ND	1.0		03/13/09	XC
Isopropanol	PPBv	4.2	1.0		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		03/13/09	XC
Methylene Chloride	PPBv	ND	2.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		03/13/09	XC
Propene	PPBv	ND	1.0		03/13/09	XC
Styrene	PPBv	ND	1.0		03/13/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		03/13/09	XC
Tetrachloroethylene	PPBv	28	1.0		03/13/09	XC
Tetrahydrofuran	PPBv	190	1.0		03/13/09	XC
Toluene	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		03/13/09	XC
1,1,1-Trichloroethane	PPBv	3000	1.0		03/13/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		03/13/09	XC
Trichloroethylene	PPBv	900	1.0		03/13/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	44	1.0		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		03/13/09	XC
1,2,4-Trimethylbenzene	PPBv	1.3	1.0		03/13/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		03/13/09	XC
Vinyl Acetate	PPBv	ND	1.0		03/13/09	XC
Vinyl Chloride	PPBv	ND	1.0		03/13/09	XC
m/p-Xylene	PPBv	ND	2.0		03/13/09	XC
o-Xylene	PPBv	ND	1.0		03/13/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	22	2.4		03/13/09	XC
Benzene	ug/m3	ND	3.2		03/13/09	XC
Benzyl Chloride	ug/m3	ND	5.2		03/13/09	XC
Bromodichloromethane	ug/m3	ND	6.6		03/13/09	XC
Bromoform	ug/m3	ND	11		03/13/09	XC
Bromomethane	ug/m3	ND	3.8		03/13/09	XC
1,3-Butadiene	ug/m3	ND	2.2		03/13/09	XC
2-Butanone (MEK)	ug/m3	97	3.0		03/13/09	XC
Carbon Disulfide	ug/m3	ND	3.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 27 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-6-030609

Sample ID : *09B07188 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Chlorobenzene	ug/m3	ND	4.6		03/13/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		03/13/09	XC
Chloroethane	ug/m3	13	2.6		03/13/09	XC
Chloroform	ug/m3	21	4.8		03/13/09	XC
Chloromethane	ug/m3	ND	2.0		03/13/09	XC
Cyclohexane	ug/m3	ND	3.4		03/13/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		03/13/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		03/13/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		03/13/09	XC
1,1-Dichloroethane	ug/m3	1600	4.0		03/13/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		03/13/09	XC
1,1-Dichloroethylene	ug/m3	55	4.0		03/13/09	XC
cis-1,2-Dichloroethylene	ug/m3	150	4.0		03/13/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	4.0		03/13/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		03/13/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		03/13/09	XC
Ethanol	ug/m3	25	1.8		03/13/09	XC
Ethyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Ethylbenzene	ug/m3	ND	4.4		03/13/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		03/13/09	XC
n-Heptane	ug/m3	ND	4.0		03/13/09	XC
Hexachlorobutadiene	ug/m3	ND	22		03/13/09	XC
Hexane	ug/m3	ND	3.6		03/13/09	XC
2-Hexanone	ug/m3	ND	4.0		03/13/09	XC
Isopropanol	ug/m3	10	2.4		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		03/13/09	XC
Methylene Chloride	ug/m3	ND	7.0		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		03/13/09	XC
Propene	ug/m3	ND	1.8		03/13/09	XC
Styrene	ug/m3	ND	4.2		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 28 of 51
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : EW-6-030609

Sample ID : *09B07188 ‡Sampled : 3/6/2009
 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		03/13/09	XC
Tetrachloroethylene	ug/m3	190	6.8		03/13/09	XC
Tetrahydrofuran	ug/m3	570	3.0		03/13/09	XC
Toluene	ug/m3	ND	3.8		03/13/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		03/13/09	XC
1,1,1-Trichloroethane	ug/m3	16000	5.4		03/13/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		03/13/09	XC
Trichloroethylene	ug/m3	4800	5.4		03/13/09	XC
Trichlorofluoromethane	ug/m3	250	5.6		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		03/13/09	XC
1,2,4-Trimethylbenzene	ug/m3	6.2	5.0		03/13/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		03/13/09	XC
Vinyl Acetate	ug/m3	ND	3.6		03/13/09	XC
Vinyl Chloride	ug/m3	ND	2.6		03/13/09	XC
m/p-Xylene	ug/m3	ND	8.6		03/13/09	XC
o-Xylene	ug/m3	ND	4.4		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

Purchase Order No.: 200903847

3/17/2009
Page 29 of 51

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Field Sample # : EW-7-030609

Sample ID : *09B07189 ‡Sampled : 3/6/2009
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	10	0.25		03/13/09	XC
Benzene	PPBv	0.72	0.25		03/13/09	XC
Benzyl Chloride	PPBv	ND	0.25		03/13/09	XC
Bromodichloromethane	PPBv	ND	0.25		03/13/09	XC
Bromoform	PPBv	ND	0.25		03/13/09	XC
Bromomethane	PPBv	ND	0.25		03/13/09	XC
1,3-Butadiene	PPBv	ND	0.25		03/13/09	XC
2-Butanone (MEK)	PPBv	1.9	0.25		03/13/09	XC
Carbon Disulfide	PPBv	1.1	0.25		03/13/09	XC
Carbon Tetrachloride	PPBv	ND	0.25		03/13/09	XC
Chlorobenzene	PPBv	ND	0.25		03/13/09	XC
Chlorodibromomethane	PPBv	ND	0.25		03/13/09	XC
Chloroethane	PPBv	13	0.25		03/13/09	XC
Chloroform	PPBv	ND	0.25		03/13/09	XC
Chloromethane	PPBv	ND	0.25		03/13/09	XC
Cyclohexane	PPBv	0.62	0.25		03/13/09	XC
1,2-Dibromoethane	PPBv	ND	0.25		03/13/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.25		03/13/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.25		03/13/09	XC
1,1-Dichloroethane	PPBv	410	0.25		03/13/09	XC
1,2-Dichloroethane	PPBv	ND	0.25		03/13/09	XC
1,1-Dichloroethylene	PPBv	1.7	0.25		03/13/09	XC
cis-1,2-Dichloroethylene	PPBv	290	0.25		03/13/09	XC
t-1,2-Dichloroethylene	PPBv	20	0.25		03/13/09	XC
1,2-Dichloropropane	PPBv	ND	0.25		03/13/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.25		03/13/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.25		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.25		03/13/09	XC
Ethanol	PPBv	7.8	0.25		03/13/09	XC
Ethyl Acetate	PPBv	ND	0.25		03/13/09	XC
Ethylbenzene	PPBv	ND	0.25		03/13/09	XC
4-Ethyl Toluene	PPBv	ND	0.25		03/13/09	XC
n-Heptane	PPBv	ND	0.25		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 30 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : EW-7-030609

Sample ID : *09B07189 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.50		03/13/09	XC
Hexane	PPBv	0.87	0.25		03/13/09	XC
2-Hexanone	PPBv	ND	0.25		03/13/09	XC
Isopropanol	PPBv	3.4	0.25		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	0.86	0.25		03/13/09	XC
Methylene Chloride	PPBv	ND	0.50		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.25		03/13/09	XC
Propene	PPBv	ND	0.25		03/13/09	XC
Styrene	PPBv	ND	0.25		03/13/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.25		03/13/09	XC
Tetrachloroethylene	PPBv	10	0.25		03/13/09	XC
Tetrahydrofuran	PPBv	2.5	0.25		03/13/09	XC
Toluene	PPBv	ND	0.25		03/13/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.25		03/13/09	XC
1,1,1-Trichloroethane	PPBv	1500	0.25		03/13/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.25		03/13/09	XC
Trichloroethylene	PPBv	38	0.25		03/13/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	110	0.25		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.25		03/13/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.25		03/13/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.25		03/13/09	XC
Vinyl Acetate	PPBv	ND	0.25		03/13/09	XC
Vinyl Chloride	PPBv	8.2	0.25		03/13/09	XC
m/p-Xylene	PPBv	ND	0.50		03/13/09	XC
o-Xylene	PPBv	ND	0.25		03/13/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	24	0.60		03/13/09	XC
Benzene	ug/m3	2.3	0.80		03/13/09	XC
Benzyl Chloride	ug/m3	ND	1.3		03/13/09	XC
Bromodichloromethane	ug/m3	ND	1.7		03/13/09	XC
Bromoform	ug/m3	ND	2.6		03/13/09	XC
Bromomethane	ug/m3	ND	0.95		03/13/09	XC
1,3-Butadiene	ug/m3	ND	0.55		03/13/09	XC
2-Butanone (MEK)	ug/m3	5.5	0.75		03/13/09	XC
Carbon Disulfide	ug/m3	3.3	0.80		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Purchase Order No.: 200903847

3/17/2009
Page 31 of 51

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Field Sample # : EW-7-030609

Sample ID : *09B07189 ‡Sampled : 3/6/2009
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	1.6		03/13/09	XC
Chlorobenzene	ug/m3	ND	1.2		03/13/09	XC
Chlorodibromomethane	ug/m3	ND	2.2		03/13/09	XC
Chloroethane	ug/m3	33	0.65		03/13/09	XC
Chloroform	ug/m3	ND	1.2		03/13/09	XC
Chloromethane	ug/m3	ND	0.50		03/13/09	XC
Cyclohexane	ug/m3	2.1	0.85		03/13/09	XC
1,2-Dibromoethane	ug/m3	ND	1.9		03/13/09	XC
1,2-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
1,3-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
1,4-Dichlorobenzene	ug/m3	ND	1.5		03/13/09	XC
Dichlorodifluoromethane	ug/m3	2.6	1.3		03/13/09	XC
1,1-Dichloroethane	ug/m3	1700	1.0		03/13/09	XC
1,2-Dichloroethane	ug/m3	ND	1.0		03/13/09	XC
1,1-Dichloroethylene	ug/m3	6.6	1.0		03/13/09	XC
cis-1,2-Dichloroethylene	ug/m3	1200	1.0		03/13/09	XC
t-1,2-Dichloroethylene	ug/m3	80	1.0		03/13/09	XC
1,2-Dichloropropane	ug/m3	ND	1.2		03/13/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	1.1		03/13/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	1.1		03/13/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	1.8		03/13/09	XC
Ethanol	ug/m3	15	0.45		03/13/09	XC
Ethyl Acetate	ug/m3	ND	0.90		03/13/09	XC
Ethylbenzene	ug/m3	ND	1.1		03/13/09	XC
4-Ethyl Toluene	ug/m3	ND	1.3		03/13/09	XC
n-Heptane	ug/m3	ND	1.0		03/13/09	XC
Hexachlorobutadiene	ug/m3	ND	5.4		03/13/09	XC
Hexane	ug/m3	3.1	0.90		03/13/09	XC
2-Hexanone	ug/m3	ND	1.0		03/13/09	XC
Isopropanol	ug/m3	8.5	0.60		03/13/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	3.1	0.90		03/13/09	XC
Methylene Chloride	ug/m3	ND	1.8		03/13/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	1.0		03/13/09	XC
Propene	ug/m3	ND	0.45		03/13/09	XC
Styrene	ug/m3	ND	1.1		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009

Page 32 of 51

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23811

Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Field Sample # : EW-7-030609

Sample ID : *09B07189 ‡Sampled : 3/6/2009
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	1.7		03/13/09	XC
Tetrachloroethylene	ug/m3	69	1.7		03/13/09	XC
Tetrahydrofuran	ug/m3	7.5	0.75		03/13/09	XC
Toluene	ug/m3	ND	0.95		03/13/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	1.9		03/13/09	XC
1,1,1-Trichloroethane	ug/m3	8100	1.4		03/13/09	XC
1,1,2-Trichloroethane	ug/m3	ND	1.4		03/13/09	XC
Trichloroethylene	ug/m3	200	1.4		03/13/09	XC
Trichlorofluoromethane	ug/m3	640	1.4		03/13/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	1.9		03/13/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	1.3		03/13/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	1.3		03/13/09	XC
Vinyl Acetate	ug/m3	ND	0.90		03/13/09	XC
Vinyl Chloride	ug/m3	21	0.65		03/13/09	XC
m/p-Xylene	ug/m3	ND	2.2		03/13/09	XC
o-Xylene	ug/m3	ND	1.1		03/13/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Purchase Order No.: 200903847

3/17/2009
Page 33 of 51
Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Field Sample # : IA-1-030609

Sample ID : *09B07178 ‡Sampled : 3/6/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.6	0.05		03/12/09	XC
Benzene	PPBv	0.27	0.05		03/12/09	XC
Benzyl Chloride	PPBv	ND	0.05		03/12/09	XC
Bromodichloromethane	PPBv	ND	0.05		03/12/09	XC
Bromoform	PPBv	ND	0.05		03/12/09	XC
Bromomethane	PPBv	ND	0.05		03/12/09	XC
1,3-Butadiene	PPBv	ND	0.05		03/12/09	XC
2-Butanone (MEK)	PPBv	0.76	0.05		03/12/09	XC
Carbon Disulfide	PPBv	ND	0.05		03/12/09	XC
Carbon Tetrachloride	PPBv	0.09	0.05		03/12/09	XC
Chlorobenzene	PPBv	ND	0.05		03/12/09	XC
Chlorodibromomethane	PPBv	ND	0.05		03/12/09	XC
Chloroethane	PPBv	ND	0.05		03/12/09	XC
Chloroform	PPBv	ND	0.05		03/12/09	XC
Chloromethane	PPBv	0.48	0.05		03/12/09	XC
Cyclohexane	PPBv	ND	0.05		03/12/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		03/12/09	XC
1,1-Dichloroethane	PPBv	0.08	0.05		03/12/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
cis-1,2-Dichloroethylene	PPBv	0.34	0.05		03/12/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		03/12/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/12/09	XC
Ethanol	PPBv	4.0	0.05		03/12/09	XC
Ethyl Acetate	PPBv	ND	0.05		03/12/09	XC
Ethylbenzene	PPBv	ND	0.05		03/12/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		03/12/09	XC
n-Heptane	PPBv	ND	0.05		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 34 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : IA-1-030609

Sample ID : *09B07178 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Hexane	PPBv	0.14	0.05		03/12/09	XC
2-Hexanone	PPBv	0.06	0.05		03/12/09	XC
Isopropanol	PPBv	0.83	0.05		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/12/09	XC
Methylene Chloride	PPBv	0.32	0.05		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/12/09	XC
Propene	PPBv	ND	0.05		03/12/09	XC
Styrene	PPBv	ND	0.05		03/12/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/12/09	XC
Tetrachloroethylene	PPBv	0.72	0.05		03/12/09	XC
Tetrahydrofuran	PPBv	ND	0.05		03/12/09	XC
Toluene	PPBv	0.25	0.05		03/12/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,1,1-Trichloroethane	PPBv	0.32	0.05		03/12/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
Trichloroethylene	PPBv	0.28	0.05		03/12/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.30	0.05		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		03/12/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
Vinyl Acetate	PPBv	ND	0.05		03/12/09	XC
Vinyl Chloride	PPBv	0.08	0.05		03/12/09	XC
m/p-Xylene	PPBv	ND	0.10		03/12/09	XC
o-Xylene	PPBv	ND	0.05		03/12/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	8.7	0.12		03/12/09	XC
Benzene	ug/m3	0.87	0.16		03/12/09	XC
Benzyl Chloride	ug/m3	ND	0.26		03/12/09	XC
Bromodichloromethane	ug/m3	ND	0.33		03/12/09	XC
Bromoform	ug/m3	ND	0.51		03/12/09	XC
Bromomethane	ug/m3	ND	0.19		03/12/09	XC
1,3-Butadiene	ug/m3	ND	0.11		03/12/09	XC
2-Butanone (MEK)	ug/m3	2.2	0.15		03/12/09	XC
Carbon Disulfide	ug/m3	ND	0.16		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200903847

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

3/17/2009
Page 35 of 51

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Field Sample #: IA-1-030609

Sample ID: *09B07178 ‡Sampled: 3/6/2009
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	0.59	0.31		03/12/09	XC
Chlorobenzene	ug/m3	ND	0.23		03/12/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		03/12/09	XC
Chloroethane	ug/m3	ND	0.13		03/12/09	XC
Chloroform	ug/m3	ND	0.24		03/12/09	XC
Chloromethane	ug/m3	1.00	0.10		03/12/09	XC
Cyclohexane	ug/m3	ND	0.17		03/12/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		03/12/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/12/09	XC
1,1-Dichloroethane	ug/m3	0.32	0.20		03/12/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
cis-1,2-Dichloroethylene	ug/m3	1.3	0.20		03/12/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		03/12/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/12/09	XC
Ethanol	ug/m3	7.5	0.09		03/12/09	XC
Ethyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Ethylbenzene	ug/m3	ND	0.22		03/12/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		03/12/09	XC
n-Heptane	ug/m3	ND	0.20		03/12/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		03/12/09	XC
Hexane	ug/m3	0.51	0.18		03/12/09	XC
2-Hexanone	ug/m3	0.23	0.20		03/12/09	XC
Isopropanol	ug/m3	2.0	0.12		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/12/09	XC
Methylene Chloride	ug/m3	1.1	0.17		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/12/09	XC
Propene	ug/m3	ND	0.09		03/12/09	XC
Styrene	ug/m3	ND	0.21		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 36 of 51

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : IA-1-030609

Sample ID : *09B07178 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Tetrachloroethylene	ug/m3	4.9	0.34		03/12/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		03/12/09	XC
Toluene	ug/m3	0.93	0.19		03/12/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/12/09	XC
1,1,1-Trichloroethane	ug/m3	1.8	0.27		03/12/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
Trichloroethylene	ug/m3	1.5	0.27		03/12/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		03/12/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
Vinyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Vinyl Chloride	ug/m3	0.19	0.13		03/12/09	XC
m/p-Xylene	ug/m3	ND	0.43		03/12/09	XC
o-Xylene	ug/m3	ND	0.22		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

3/17/2009
Page 37 of 51

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Field Sample # : IA-5-030609

Sample ID : *09B07179 ‡Sampled : 3/6/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2.8	0.05		03/12/09	XC
Benzene	PPBv	0.17	0.05		03/12/09	XC
Benzyl Chloride	PPBv	ND	0.05		03/12/09	XC
Bromodichloromethane	PPBv	ND	0.05		03/12/09	XC
Bromoform	PPBv	ND	0.05		03/12/09	XC
Bromomethane	PPBv	ND	0.05		03/12/09	XC
1,3-Butadiene	PPBv	ND	0.05		03/12/09	XC
2-Butanone (MEK)	PPBv	0.15	0.05		03/12/09	XC
Carbon Disulfide	PPBv	ND	0.05		03/12/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		03/12/09	XC
Chlorobenzene	PPBv	ND	0.05		03/12/09	XC
Chlorodibromomethane	PPBv	ND	0.05		03/12/09	XC
Chloroethane	PPBv	ND	0.05		03/12/09	XC
Chloroform	PPBv	ND	0.05		03/12/09	XC
Chloromethane	PPBv	0.52	0.05		03/12/09	XC
Cyclohexane	PPBv	ND	0.05		03/12/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		03/12/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		03/12/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/12/09	XC
Ethanol	PPBv	17	0.05		03/12/09	XC
Ethyl Acetate	PPBv	ND	0.05		03/12/09	XC
Ethylbenzene	PPBv	ND	0.05		03/12/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		03/12/09	XC
n-Heptane	PPBv	ND	0.05		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200903847

3/17/2009
 Page 38 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : IA-5-030609

Sample ID : *09B07179 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Hexane	PPBv	0.14	0.05		03/12/09	XC
2-Hexanone	PPBv	ND	0.05		03/12/09	XC
Isopropanol	PPBv	0.51	0.05		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/12/09	XC
Methylene Chloride	PPBv	0.21	0.05		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/12/09	XC
Propene	PPBv	ND	0.05		03/12/09	XC
Styrene	PPBv	ND	0.05		03/12/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/12/09	XC
Tetrachloroethylene	PPBv	ND	0.05		03/12/09	XC
Tetrahydrofuran	PPBv	ND	0.05		03/12/09	XC
Toluene	PPBv	0.14	0.05		03/12/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
Trichloroethylene	PPBv	ND	0.05		03/12/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.31	0.05		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		03/12/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
Vinyl Acetate	PPBv	ND	0.05		03/12/09	XC
Vinyl Chloride	PPBv	ND	0.05		03/12/09	XC
m/p-Xylene	PPBv	ND	0.10		03/12/09	XC
o-Xylene	PPBv	ND	0.05		03/12/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	6.5	0.12		03/12/09	XC
Benzene	ug/m3	0.55	0.16		03/12/09	XC
Benzyl Chloride	ug/m3	ND	0.26		03/12/09	XC
Bromodichloromethane	ug/m3	ND	0.33		03/12/09	XC
Bromoform	ug/m3	ND	0.51		03/12/09	XC
Bromomethane	ug/m3	ND	0.19		03/12/09	XC
1,3-Butadiene	ug/m3	ND	0.11		03/12/09	XC
2-Butanone (MEK)	ug/m3	0.45	0.15		03/12/09	XC
Carbon Disulfide	ug/m3	ND	0.16		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 39 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : IA-5-030609

Sample ID : *09B07179 ‡Sampled : 3/6/2009
 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	0.61	0.31		03/12/09	XC
Chlorobenzene	ug/m3	ND	0.23		03/12/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		03/12/09	XC
Chloroethane	ug/m3	ND	0.13		03/12/09	XC
Chloroform	ug/m3	ND	0.24		03/12/09	XC
Chloromethane	ug/m3	1.1	0.10		03/12/09	XC
Cyclohexane	ug/m3	ND	0.17		03/12/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		03/12/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/12/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		03/12/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/12/09	XC
Ethanol	ug/m3	32	0.09		03/12/09	XC
Ethyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Ethylbenzene	ug/m3	ND	0.22		03/12/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		03/12/09	XC
n-Heptane	ug/m3	ND	0.20		03/12/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		03/12/09	XC
Hexane	ug/m3	0.50	0.18		03/12/09	XC
2-Hexanone	ug/m3	ND	0.20		03/12/09	XC
Isopropanol	ug/m3	1.3	0.12		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/12/09	XC
Methylene Chloride	ug/m3	0.74	0.17		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/12/09	XC
Propene	ug/m3	ND	0.09		03/12/09	XC
Styrene	ug/m3	ND	0.21		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 40 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : IA-5-030609

Sample ID : *09B07179 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		03/12/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		03/12/09	XC
Toluene	ug/m3	0.51	0.19		03/12/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/12/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
Trichloroethylene	ug/m3	ND	0.27		03/12/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		03/12/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
Vinyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Vinyl Chloride	ug/m3	ND	0.13		03/12/09	XC
m/p-Xylene	ug/m3	ND	0.43		03/12/09	XC
o-Xylene	ug/m3	ND	0.22		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009

Page 41 of 51

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-23811

Job Number: 3650080114.11

Project Location: PROVIDENCE-RI

Date Received: 3/9/2009

Field Sample # : IA-6-030609

Sample ID : *09B07180 ‡Sampled : 3/6/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.6	0.05		03/12/09	XC
Benzene	PPBv	0.22	0.05		03/12/09	XC
Benzyl Chloride	PPBv	ND	0.05		03/12/09	XC
Bromodichloromethane	PPBv	ND	0.05		03/12/09	XC
Bromoform	PPBv	ND	0.05		03/12/09	XC
Bromomethane	PPBv	ND	0.05		03/12/09	XC
1,3-Butadiene	PPBv	ND	0.05		03/12/09	XC
2-Butanone (MEK)	PPBv	0.77	0.05		03/12/09	XC
Carbon Disulfide	PPBv	ND	0.05		03/12/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		03/12/09	XC
Chlorobenzene	PPBv	ND	0.05		03/12/09	XC
Chlorodibromomethane	PPBv	ND	0.05		03/12/09	XC
Chloroethane	PPBv	ND	0.05		03/12/09	XC
Chloroform	PPBv	ND	0.05		03/12/09	XC
Chloromethane	PPBv	0.55	0.05		03/12/09	XC
Cyclohexane	PPBv	ND	0.05		03/12/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
Dichlorodifluoromethane	PPBv	0.53	0.05		03/12/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		03/12/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/12/09	XC
Ethanol	PPBv	6.3	0.05		03/12/09	XC
Ethyl Acetate	PPBv	ND	0.05		03/12/09	XC
Ethylbenzene	PPBv	ND	0.05		03/12/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		03/12/09	XC
n-Heptane	PPBv	ND	0.05		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200903847

3/17/2009
 Page 42 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : IA-6-030609

Sample ID : *09B07180 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Hexane	PPBv	0.11	0.05		03/12/09	XC
2-Hexanone	PPBv	0.09	0.05		03/12/09	XC
Isopropanol	PPBv	0.64	0.05		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/12/09	XC
Methylene Chloride	PPBv	0.20	0.05		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/12/09	XC
Propene	PPBv	ND	0.05		03/12/09	XC
Styrene	PPBv	ND	0.05		03/12/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/12/09	XC
Tetrachloroethylene	PPBv	ND	0.05		03/12/09	XC
Tetrahydrofuran	PPBv	ND	0.05		03/12/09	XC
Toluene	PPBv	0.19	0.05		03/12/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
Trichloroethylene	PPBv	ND	0.05		03/12/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.30	0.05		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		03/12/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
Vinyl Acetate	PPBv	ND	0.05		03/12/09	XC
Vinyl Chloride	PPBv	ND	0.05		03/12/09	XC
m/p-Xylene	PPBv	ND	0.10		03/12/09	XC
o-Xylene	PPBv	ND	0.05		03/12/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	8.5	0.12		03/12/09	XC
Benzene	ug/m3	0.70	0.16		03/12/09	XC
Benzyl Chloride	ug/m3	ND	0.26		03/12/09	XC
Bromodichloromethane	ug/m3	ND	0.33		03/12/09	XC
Bromoform	ug/m3	ND	0.51		03/12/09	XC
Bromomethane	ug/m3	ND	0.19		03/12/09	XC
1,3-Butadiene	ug/m3	ND	0.11		03/12/09	XC
2-Butanone (MEK)	ug/m3	2.3	0.15		03/12/09	XC
Carbon Disulfide	ug/m3	ND	0.16		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

3/17/2009
Page 43 of 51

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Purchase Order No.: 200903847

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Field Sample # : IA-6-030609

Sample ID : *09B07180 ‡Sampled : 3/6/2009
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	0.60	0.31		03/12/09	XC
Chlorobenzene	ug/m3	ND	0.23		03/12/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		03/12/09	XC
Chloroethane	ug/m3	ND	0.13		03/12/09	XC
Chloroform	ug/m3	ND	0.24		03/12/09	XC
Chloromethane	ug/m3	1.1	0.10		03/12/09	XC
Cyclohexane	ug/m3	ND	0.17		03/12/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		03/12/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/12/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		03/12/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/12/09	XC
Ethanol	ug/m3	12	0.09		03/12/09	XC
Ethyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Ethylbenzene	ug/m3	ND	0.22		03/12/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		03/12/09	XC
n-Heptane	ug/m3	ND	0.20		03/12/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		03/12/09	XC
Hexane	ug/m3	0.40	0.18		03/12/09	XC
2-Hexanone	ug/m3	0.37	0.20		03/12/09	XC
Isopropanol	ug/m3	1.6	0.12		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/12/09	XC
Methylene Chloride	ug/m3	0.69	0.17		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/12/09	XC
Propene	ug/m3	ND	0.09		03/12/09	XC
Styrene	ug/m3	ND	0.21		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 44 of 51

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Field Sample # : IA-6-030609

Sample ID : *09B07180 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		03/12/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		03/12/09	XC
Toluene	ug/m3	0.71	0.19		03/12/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/12/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
Trichloroethylene	ug/m3	ND	0.27		03/12/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.48	0.38		03/12/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
Vinyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Vinyl Chloride	ug/m3	ND	0.13		03/12/09	XC
m/p-Xylene	ug/m3	ND	0.43		03/12/09	XC
o-Xylene	ug/m3	ND	0.22		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

Purchase Order No.: 200903847

3/17/2009
 Page 45 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : IA-7-030609

Sample ID : *09B07181 ‡Sampled : 3/6/2009
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2.8	0.05		03/12/09	XC
Benzene	PPBv	0.23	0.05		03/12/09	XC
Benzyl Chloride	PPBv	ND	0.05		03/12/09	XC
Bromodichloromethane	PPBv	ND	0.05		03/12/09	XC
Bromoform	PPBv	ND	0.05		03/12/09	XC
Bromomethane	PPBv	ND	0.05		03/12/09	XC
1,3-Butadiene	PPBv	ND	0.05		03/12/09	XC
2-Butanone (MEK)	PPBv	0.43	0.05		03/12/09	XC
Carbon Disulfide	PPBv	ND	0.05		03/12/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		03/12/09	XC
Chlorobenzene	PPBv	ND	0.05		03/12/09	XC
Chlorodibromomethane	PPBv	ND	0.05		03/12/09	XC
Chloroethane	PPBv	ND	0.05		03/12/09	XC
Chloroform	PPBv	ND	0.05		03/12/09	XC
Chloromethane	PPBv	0.57	0.05		03/12/09	XC
Cyclohexane	PPBv	ND	0.05		03/12/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		03/12/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		03/12/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		03/12/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		03/12/09	XC
Ethanol	PPBv	4.4	0.05		03/12/09	XC
Ethyl Acetate	PPBv	ND	0.05		03/12/09	XC
Ethylbenzene	PPBv	ND	0.05		03/12/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		03/12/09	XC
n-Heptane	PPBv	ND	0.05		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 46 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Field Sample # : IA-7-030609

Sample ID : *09B07181 ‡Sampled : 3/6/2009
 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		03/12/09	XC
Hexane	PPBv	0.17	0.05		03/12/09	XC
2-Hexanone	PPBv	ND	0.05		03/12/09	XC
Isopropanol	PPBv	1.1	0.05		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		03/12/09	XC
Methylene Chloride	PPBv	0.41	0.05		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		03/12/09	XC
Propene	PPBv	ND	0.05		03/12/09	XC
Styrene	PPBv	ND	0.05		03/12/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		03/12/09	XC
Tetrachloroethylene	PPBv	ND	0.05		03/12/09	XC
Tetrahydrofuran	PPBv	ND	0.05		03/12/09	XC
Toluene	PPBv	0.20	0.05		03/12/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		03/12/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		03/12/09	XC
Trichloroethylene	PPBv	ND	0.05		03/12/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.31	0.05		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.06	0.05		03/12/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		03/12/09	XC
Vinyl Acetate	PPBv	ND	0.05		03/12/09	XC
Vinyl Chloride	PPBv	ND	0.05		03/12/09	XC
m/p-Xylene	PPBv	ND	0.10		03/12/09	XC
o-Xylene	PPBv	ND	0.05		03/12/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	6.6	0.12		03/12/09	XC
Benzene	ug/m3	0.73	0.16		03/12/09	XC
Benzyl Chloride	ug/m3	ND	0.26		03/12/09	XC
Bromodichloromethane	ug/m3	ND	0.33		03/12/09	XC
Bromoform	ug/m3	ND	0.51		03/12/09	XC
Bromomethane	ug/m3	ND	0.19		03/12/09	XC
1,3-Butadiene	ug/m3	ND	0.11		03/12/09	XC
2-Butanone (MEK)	ug/m3	1.3	0.15		03/12/09	XC
Carbon Disulfide	ug/m3	ND	0.16		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

3/17/2009
Page 47 of 51

Purchase Order No.: 200903847

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Field Sample # : IA-7-030609

Sample ID : *09B07181 ‡Sampled : 3/6/2009
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	0.60	0.31		03/12/09	XC
Chlorobenzene	ug/m3	ND	0.23		03/12/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		03/12/09	XC
Chloroethane	ug/m3	ND	0.13		03/12/09	XC
Chloroform	ug/m3	ND	0.24		03/12/09	XC
Chloromethane	ug/m3	1.2	0.10		03/12/09	XC
Cyclohexane	ug/m3	ND	0.17		03/12/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		03/12/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		03/12/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		03/12/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		03/12/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		03/12/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		03/12/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		03/12/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		03/12/09	XC
Ethanol	ug/m3	8.4	0.09		03/12/09	XC
Ethyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Ethylbenzene	ug/m3	ND	0.22		03/12/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		03/12/09	XC
n-Heptane	ug/m3	ND	0.20		03/12/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		03/12/09	XC
Hexane	ug/m3	0.60	0.18		03/12/09	XC
2-Hexanone	ug/m3	ND	0.20		03/12/09	XC
Isopropanol	ug/m3	2.7	0.12		03/12/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		03/12/09	XC
Methylene Chloride	ug/m3	1.4	0.17		03/12/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		03/12/09	XC
Propene	ug/m3	ND	0.09		03/12/09	XC
Styrene	ug/m3	ND	0.21		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200903847

3/17/2009
Page 48 of 51

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-23811
Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

Field Sample #: IA-7-030609

Sample ID: *09B07181 ‡Sampled : 3/6/2009
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		03/12/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		03/12/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		03/12/09	XC
Toluene	ug/m3	0.76	0.19		03/12/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		03/12/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		03/12/09	XC
Trichloroethylene	ug/m3	ND	0.27		03/12/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		03/12/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.45	0.38		03/12/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		03/12/09	XC
Vinyl Acetate	ug/m3	ND	0.18		03/12/09	XC
Vinyl Chloride	ug/m3	ND	0.13		03/12/09	XC
m/p-Xylene	ug/m3	ND	0.43		03/12/09	XC
o-Xylene	ug/m3	ND	0.22		03/12/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 49 of 51

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

The following notes were attached to the reported analysis :

Sample ID: * 09B07178

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Blank-130675

1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.
---------------------------	-------	------	------	------

Lfblank-92871	True Value		Sample Results		Recovery %
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	1.8	13	100

Sample ID: * 09B07179

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B07180

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B07181

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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.: 200903847

3/17/2009
 Page 50 of 51

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Sample ID: * 09B07182

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	0.091 0.63	N.D. N.D.

Sample ID: * 09B07183

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	1.8 13	N.D. N.D.

Sample ID: * 09B07184

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	1.8 13	N.D. N.D.

Sample ID: * 09B07185

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	1.8 13	N.D. N.D.

Sample ID: * 09B07186

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	0.46 3.1	N.D. N.D.

Sample ID: * 09B07187

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3	Sample Results PPBv ug/m3
1,1,1,2-Tetrachloroethane	0.46 3.1	N.D. N.D.

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.: 200903847

3/17/2009
 Page 51 of 51

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

Sample ID: * 09B07188

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B07189

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.46	3.1	N.D.	N.D.

** 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



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 1 of 9

QC Batch Number: BATCH-16249

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B07178	4-Bromofluorobenzene	Surrogate Recovery	99.87	%	70-130
09B07179	4-Bromofluorobenzene	Surrogate Recovery	100.00	%	70-130
09B07180	4-Bromofluorobenzene	Surrogate Recovery	100.00	%	70-130
09B07181	4-Bromofluorobenzene	Surrogate Recovery	99.12	%	70-130
09B07182	4-Bromofluorobenzene	Surrogate Recovery	102.12	%	70-130
09B07183	4-Bromofluorobenzene	Surrogate Recovery	103.37	%	70-130
09B07184	4-Bromofluorobenzene	Surrogate Recovery	100.12	%	70-130
09B07185	4-Bromofluorobenzene	Surrogate Recovery	101.87	%	70-130
09B07186	4-Bromofluorobenzene	Surrogate Recovery	103.87	%	70-130
09B07187	4-Bromofluorobenzene	Surrogate Recovery	106.25	%	70-130
09B07188	4-Bromofluorobenzene	Surrogate Recovery	106.00	%	70-130
09B07189	4-Bromofluorobenzene	Surrogate Recovery	101.87	%	70-130
BLANK-130675	Acetone	Blank	1.04	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	0.09	ug/m3	
	2-Butanone (MEK)	Blank	0.16	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	



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 2 of 9

QC Batch Number: BATCH-16249

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-130675					
	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	0.27	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	0.37	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	<0.19	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	0.12	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	<0.05	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	
LFBLANK-92871	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 3 of 9

QC Batch Number: BATCH-16249

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92871					
	Acetone	Lab Fort Blk. Found	10.55	ug/m3	
		Lab Fort Blk. % Rec.	88.90	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	14.88	ug/m3	
		Lab Fort Blk. % Rec.	93.31	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	37.64	ug/m3	
		Lab Fort Blk. % Rec.	119.70	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	22.26	ug/m3	
		Lab Fort Blk. % Rec.	91.47	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	20.34	ug/m3	
		Lab Fort Blk. % Rec.	100.50	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	37.34	ug/m3	
		Lab Fort Blk. % Rec.	124.24	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	15.24	ug/m3	
		Lab Fort Blk. % Rec.	84.59	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	23.26	ug/m3	
		Lab Fort Blk. % Rec.	107.34	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	15.42	ug/m3	
		Lab Fort Blk. % Rec.	87.56	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	12.04	ug/m3	
		Lab Fort Blk. % Rec.	98.00	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.82	ug/m3	
		Lab Fort Blk. % Rec.	86.98	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	23.07	ug/m3	
		Lab Fort Blk. % Rec.	112.68	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	22.81	ug/m3	
		Lab Fort Blk. % Rec.	107.26	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	34.31	ug/m3	
		Lab Fort Blk. % Rec.	101.20	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	17.77	ug/m3	



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 4 of 9

QC Batch Number: BATCH-16249

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92871					
	Toluene	Lab Fort Blk. % Rec.	94.50	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	29.99	ug/m3	
	Trichloroethylene	Lab Fort Blk. % Rec.	109.94	%	70-130
		Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	26.44	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blk. % Rec.	98.39	%	70-130
		Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	32.85	ug/m3	
	Trichlorofluoromethane	Lab Fort Blk. % Rec.	85.73	%	70-130
		Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	35.36	ug/m3	
	o-Xylene	Lab Fort Blk. % Rec.	125.88	%	70-130
		Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	25.16	ug/m3	
	m/p-Xylene	Lab Fort Blk. % Rec.	115.88	%	70-130
		Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	49.73	ug/m3	
	1,2-Dichlorobenzene	Lab Fort Blk. % Rec.	114.50	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	37.21	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	123.80	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	37.13	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	123.54	%	70-130
		Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.09	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	89.38	%	70-130
		Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	18.06	ug/m3	
	Ethanol	Lab Fort Blk. % Rec.	91.08	%	70-130
		Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	9.09	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	96.49	%	50-150
		Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	29.09	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	118.36	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	14.63	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	81.17	%	70-130
		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.96	ug/m3	
		Lab Fort Blk. % Rec.	85.56	%	70-130



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 5 of 9

QC Batch Number: BATCH-16249

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92871					
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	15.04	ug/m3	
		Lab Fort Blk. % Rec.	117.68	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	15.80	ug/m3	
		Lab Fort Blk. % Rec.	91.02	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	24.71	ug/m3	
		Lab Fort Blk. % Rec.	107.32	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	12.34	ug/m3	
		Lab Fort Blk. % Rec.	119.54	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	18.45	ug/m3	
		Lab Fort Blk. % Rec.	95.07	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	12.96	ug/m3	
		Lab Fort Blk. % Rec.	98.31	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	22.70	ug/m3	
		Lab Fort Blk. % Rec.	100.04	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	24.56	ug/m3	
		Lab Fort Blk. % Rec.	108.20	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	53.68	ug/m3	
		Lab Fort Blk. % Rec.	126.04	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	28.63	ug/m3	
		Lab Fort Blk. % Rec.	104.98	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	75.50	ug/m3	
		Lab Fort Blk. % Rec.	146.06	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	42.11	ug/m3	
		Lab Fort Blk. % Rec.	122.66	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	68.14	ug/m3	
		Lab Fort Blk. % Rec.	127.78	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	47.58	ug/m3	
		Lab Fort Blk. % Rec.	128.24	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 6 of 9

QC Batch Number: BATCH-16249

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92871					
	1,2,4-Trimethylbenzene	Lab Fort Blk. Found	29.36	ug/m3	
		Lab Fort Blk. % Rec.	119.46	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	29.39	ug/m3	
		Lab Fort Blk. % Rec.	119.60	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	15.43	ug/m3	
		Lab Fort Blk. % Rec.	89.67	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	17.67	ug/m3	
		Lab Fort Blk. % Rec.	89.14	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	22.66	ug/m3	
		Lab Fort Blk. % Rec.	98.07	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	25.42	ug/m3	
		Lab Fort Blk. % Rec.	102.82	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	36.70	ug/m3	
		Lab Fort Blk. % Rec.	141.80	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	12.67	ug/m3	
		Lab Fort Blk. % Rec.	81.37	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	16.11	ug/m3	
		Lab Fort Blk. % Rec.	91.56	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	23.98	ug/m3	
		Lab Fort Blk. % Rec.	117.08	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	39.30	ug/m3	
		Lab Fort Blk. % Rec.	117.32	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	41.13	ug/m3	
		Lab Fort Blk. % Rec.	107.04	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	20.94	ug/m3	
		Lab Fort Blk. % Rec.	102.22	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	36.52	ug/m3	
		Lab Fort Blk. % Rec.	104.48	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	13.70	ug/m3	



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 7 of 9

QC Batch Number: BATCH-16249

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-92871	Tetrahydrofuran	Lab Fort Blk. % Rec.	92.96	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	9.43	ug/m3	
	1,3-Butadiene	Lab Fort Blk. % Rec.	109.60	%	50-150
		Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	12.46	ug/m3	
		Lab Fort Blk. % Rec.	112.72	%	70-130



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

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: 3/17/2009

Lims Bat # : LIMIT-23811

Page 8 of 9

NOTES:

QC Batch No. : BATCH-16249
Sample ID : LFBLANK-92871
Analysis : Benzyl Chloride

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16249
Sample ID : LFBLANK-92871
Analysis : Bromoform

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH 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: 3/17/2009 Lims Bat #: LIMIT-23811 Page 9 of 9

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



Company Name: MACTEC Engineering Phone: 413-525-2332
 Address: 107 Audubon Rd, Suite 301 Fax: 413-525-6405
Wakefield, MA 01880 Email: info@contestlabs.com
 www.contestlabs.com
 Telephone: (781) 245-6606
 Project # 3650080114.11
 Client PO # _____

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Attention: Kelly Chatterton
 Project Location: Providence, RI (Gorham Site)
 Sampled By: PTM

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

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: Kjchatterton@maectec.com
 Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media	Lab #	Date	Stop	Total	Flow Rate	Volume	Matrix	Code*	ANALYSIS REQUESTED	
											Time	Time
IA-1-030609		S	09807178	3.6.09 0749	3.6.09 0819	30	0.2	6	IA	X		
IA-5-030609		S	79	3.6.09 0929	3.6.09 0959	30	0.2	6	IA	X		
IA-6-030609		S	80	3.6.09 0751	3.6.09 0822	30	0.2	6	IA	X		
IA-7-030609		S	81	3.6.09 0756	3.6.09 0826	30	0.2	6	IA	X		
AA-1-030609		S	82	3.6.09 0758	3.6.09 0828	30	0.2	6	AMB	X		
EW-1-030609		S	83	3.6.09 1112	3.6.09 1142	30	0.2	6	84	X		
EW-2-030609		S	84	3.6.09 1118	3.6.09 1148	30	0.2	6	54	X		
EW-3-030609		S	85	3.6.09 1115	3.6.09 1145	30	0.2	6	54	X		

CLIENT COMMENTS:

Turnaround **

7-Day
 10-Day
 Other _____

*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

Required Detection Limits: CT Target
 Other: Indoor Air Conc. (Commercial)

*Matrix Code:

SB = SOIL GAS
 IA = INDOOR AIR
 AMB = AMBIENT
 SS = SUB SLAB
 D = DUP
 BL = BLANK
 O = other

**Media Codes:

S = Summa can
 TB = Tedlar bag
 P = PUF
 T = tube
 F = filter
 C = cassette
 O = Other

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.



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

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: Mactec Engineering
 Address: 107 Auburn Rd, Suite 301
Wakefield, MA 01880

Telephone: (781) 245-6606

Project # 365080114_11

Client PO # _____

Attention: Kelly Chatterton

Project Location: Providence, RI (Gorham St)

Sampled By: PSM

Proposal Provided? (For Billing purposes)
 Yes 3-3-09 proposal date

LSMT-23811

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: KChatterton@Mactec.com
 Format: EXCEL PDF GIS KEY OTHER

ANALYSIS REQUESTED	"Hg"	Please fill out completely, sign, date and retain the yellow copy for your record.
	Requested	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 Sampled		Total Minutes Sampled	Flow Rate (L/Min)	Volume (Liters or M ³)	Matrix Code*	Analysis Requested	"Hg" Results	Summa Canister ID	Flow Controller ID
				Start Date/Time	Stop Date/Time								
EW-4-030609	S		09807186	3-6-09 11:27	3-6-09 11:57	30	0.2	6	S4	X	-23-35	1314	4081
EW-5-030609	S		87	3-6-09 09:57	3-6-09 10:27	30	0.2	6	S4	X	-25-35	1658	4067
EW-6-030609	S		88	3-6-09 10:06	3-6-09 10:36	30	0.2	6	S4	X	-24-4	1057	4085
EW-7-030609	S		89	3-6-09 10:10	3-6-09 10:40	30	0.2	6	S4	X	-24-55	1826	4075

CLIENT COMMENTS: EW-1-030609, EW-2-030609, EW-3-030609, EW-4-030609, EW-5-030609, EW-6-030609, and EW-7-030609 were sampled from source area soil gas.

Relinquished by: (signature) [Signature] Date/Time: 3-9-09/1150

Received by: (signature) [Signature] Date/Time: 3/9/09/1150

Relinquished by: (signature) [Signature] Date/Time: 3/9/09/1930

Received by: (signature) [Signature] Date/Time: 3/9/09/1930

Approval Required: *24-Hr *48-Hr *72-Hr *4-Day

Turnaround: 7-Day 10-Day Other _____

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)

Other: _____

Matrix Code: BG=SOIL GAS

Media Codes: S=Summa can

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



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MACTEC DATE: 03/09/09
RECEIVED BY: Km

Was chain of custody relinquished and signed? YES NO
Does Chain agree with samples? YES NO

If not, explain: _____

All Samples in good condition? YES NO

If not, explain: _____

Are there any on hold samples? YES NO STORED WHERE:

ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED? _____ DATE _____ TIME _____

Location where samples are stored:

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

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

Was all media (used & unused) checked into the WASP asset management program?

Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet?

Were the Lab ID's documented in the Air Lab Outbound excel sheet?

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: 200904907

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-24420
 JOB NUMBER: 3650080114.11

PROJECT LOCATION: PROVIDENCE, RI.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-033109	09B10193	AIR	Not Specified	to-15 ppbv	
*AA-1-033109	09B10193	AIR	Not Specified	to-15 ug/m3	
*EW-1-033109	09B10194	AIR	Not Specified	to-15 ppbv	
*EW-1-033109	09B10194	AIR	Not Specified	to-15 ug/m3	
*EW-2-033109	09B10195	AIR	Not Specified	to-15 ppbv	
*EW-2-033109	09B10195	AIR	Not Specified	to-15 ug/m3	
*EW-3-033109	09B10196	AIR	Not Specified	to-15 ppbv	
*EW-3-033109	09B10196	AIR	Not Specified	to-15 ug/m3	
*EW-4-033109	09B10197	AIR	Not Specified	to-15 ppbv	
*EW-4-033109	09B10197	AIR	Not Specified	to-15 ug/m3	
*IA-1-033109	09B10192	AIR	Not Specified	to-15 ppbv	
*IA-1-033109	09B10192	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
 OF PARAMETERS ORDERED BY:**



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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200904907

PROJECT NUMBER: 3650080114.11

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-24420
JOB NUMBER: 3650080114.11

PROJECT LOCATION: PROVIDENCE, RI.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-033109	09B10193	AIR	Not Specified	to-15 ppbv	
*AA-1-033109	09B10193	AIR	Not Specified	to-15 ug/m3	
*EW-1-033109	09B10194	AIR	Not Specified	to-15 ppbv	
*EW-1-033109	09B10194	AIR	Not Specified	to-15 ug/m3	
*EW-2-033109	09B10195	AIR	Not Specified	to-15 ppbv	
*EW-2-033109	09B10195	AIR	Not Specified	to-15 ug/m3	
*EW-3-033109	09B10196	AIR	Not Specified	to-15 ppbv	
*EW-3-033109	09B10196	AIR	Not Specified	to-15 ug/m3	
*EW-4-033109	09B10197	AIR	Not Specified	to-15 ppbv	
*EW-4-033109	09B10197	AIR	Not Specified	to-15 ug/m3	
*IA-1-033109	09B10192	AIR	Not Specified	to-15 ppbv	
*IA-1-033109	09B10192	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
OF PARAMETERS ORDERED BY:**


Comments :

LIMS BATCH NO. : LIMIT-24420

In method TO-15, method blank-131671 contained Acetone at 0.18 ppbv = 0.42 ug/m3,
Isopropanol at 0.02 ppbv = 0.06 ug/m3, Ethanol at 0.14 ppbv = 0.28 ug/m3,
2-Butanone(MEK) at 0.02 ppbv = 0.08 ug/m3 and Methylene Chloride at 0.10 ppbv = 0.36 ug/m3.

In method TO-15, any reported result for Chloroethane is likely to be biased on the high side based on laboratory fortified blank recovery bias.

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.


4/10/08

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

SIGNATURE

DATE

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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



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.: 200904907

4/10/2009

Page 1 of 26

Project Number: 3650080114.11

LIMS-BAT #: LIMIT-24420

Job Number: 3650080114.11

Project Location: PROVIDENCE, RI.

Date Received: 4/1/2009

Field Sample # : AA-1-033109

Sample ID : *09B10193

‡Sampled : 3/31/2009

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		04/08/09	XC
Benzene	PPBv	0.14	0.05		04/08/09	XC
Benzyl Chloride	PPBv	ND	0.05		04/08/09	XC
Bromodichloromethane	PPBv	ND	0.05		04/08/09	XC
Bromoform	PPBv	ND	0.05		04/08/09	XC
Bromomethane	PPBv	ND	0.05		04/08/09	XC
1,3-Butadiene	PPBv	ND	0.05		04/08/09	XC
2-Butanone (MEK)	PPBv	0.58	0.05		04/08/09	XC
Carbon Disulfide	PPBv	ND	0.05		04/08/09	XC
Carbon Tetrachloride	PPBv	0.07	0.05		04/08/09	XC
Chlorobenzene	PPBv	ND	0.05		04/08/09	XC
Chlorodibromomethane	PPBv	ND	0.05		04/08/09	XC
Chloroethane	PPBv	ND	0.05		04/08/09	XC
Chloroform	PPBv	ND	0.05		04/08/09	XC
Chloromethane	PPBv	0.61	0.05		04/08/09	XC
Cyclohexane	PPBv	ND	0.05		04/08/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		04/08/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		04/08/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		04/08/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		04/08/09	XC
Dichlorodifluoromethane	PPBv	0.56	0.05		04/08/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		04/08/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		04/08/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		04/08/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		04/08/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/08/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		04/08/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/08/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/08/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/08/09	XC
Ethanol	PPBv	2.5	0.05		04/08/09	XC
Ethyl Acetate	PPBv	ND	0.05		04/08/09	XC
Ethylbenzene	PPBv	ND	0.05		04/08/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		04/08/09	XC
n-Heptane	PPBv	ND	0.05		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 2 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : AA-1-033109

Sample ID : *09B10193 ‡Sampled : 3/31/2009
 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		04/08/09	XC
Hexane	PPBv	0.61	0.05		04/08/09	XC
2-Hexanone	PPBv	ND	0.05		04/08/09	XC
Isopropanol	PPBv	0.57	0.05		04/08/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/08/09	XC
Methylene Chloride	PPBv	4.4	0.05		04/08/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/08/09	XC
Propene	PPBv	ND	0.05		04/08/09	XC
Styrene	PPBv	ND	0.05		04/08/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/08/09	XC
Tetrachloroethylene	PPBv	ND	0.05		04/08/09	XC
Tetrahydrofuran	PPBv	ND	0.05		04/08/09	XC
Toluene	PPBv	0.22	0.05		04/08/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/08/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		04/08/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		04/08/09	XC
Trichloroethylene	PPBv	ND	0.05		04/08/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.30	0.05		04/08/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.05		04/08/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/08/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/08/09	XC
Vinyl Acetate	PPBv	ND	0.05		04/08/09	XC
Vinyl Chloride	PPBv	ND	0.05		04/08/09	XC
m/p-Xylene	PPBv	ND	0.10		04/08/09	XC
o-Xylene	PPBv	ND	0.05		04/08/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	12	0.12		04/08/09	XC
Benzene	ug/m3	0.46	0.16		04/08/09	XC
Benzyl Chloride	ug/m3	ND	0.26		04/08/09	XC
Bromodichloromethane	ug/m3	ND	0.33		04/08/09	XC
Bromoform	ug/m3	ND	0.51		04/08/09	XC
Bromomethane	ug/m3	ND	0.19		04/08/09	XC
1,3-Butadiene	ug/m3	ND	0.11		04/08/09	XC
2-Butanone (MEK)	ug/m3	1.7	0.15		04/08/09	XC
Carbon Disulfide	ug/m3	ND	0.16		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

4/10/2009
 Page 3 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Purchase Order No.: 200904907

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : AA-1-033109

Sample ID : *09B10193 ‡Sampled : 3/31/2009
 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		04/08/09	XC
Chlorobenzene	ug/m3	ND	0.23		04/08/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		04/08/09	XC
Chloroethane	ug/m3	ND	0.13		04/08/09	XC
Chloroform	ug/m3	ND	0.24		04/08/09	XC
Chloromethane	ug/m3	1.3	0.10		04/08/09	XC
Cyclohexane	ug/m3	ND	0.17		04/08/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		04/08/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/08/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/08/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/08/09	XC
Dichlorodifluoromethane	ug/m3	2.8	0.25		04/08/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		04/08/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		04/08/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		04/08/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		04/08/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/08/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		04/08/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/08/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/08/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/08/09	XC
Ethanol	ug/m3	4.7	0.09		04/08/09	XC
Ethyl Acetate	ug/m3	ND	0.18		04/08/09	XC
Ethylbenzene	ug/m3	ND	0.22		04/08/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		04/08/09	XC
n-Heptane	ug/m3	ND	0.20		04/08/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		04/08/09	XC
Hexane	ug/m3	2.2	0.18		04/08/09	XC
2-Hexanone	ug/m3	ND	0.20		04/08/09	XC
Isopropanol	ug/m3	1.4	0.12		04/08/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/08/09	XC
Methylene Chloride	ug/m3	15	0.17		04/08/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/08/09	XC
Propene	ug/m3	ND	0.09		04/08/09	XC
Styrene	ug/m3	ND	0.21		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 4 of 26

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Field Sample # : AA-1-033109

Sample ID : *09B10193 ‡Sampled : 3/31/2009
 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		04/08/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		04/08/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		04/08/09	XC
Toluene	ug/m3	0.82	0.19		04/08/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/08/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		04/08/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/08/09	XC
Trichloroethylene	ug/m3	ND	0.27		04/08/09	XC
Trichlorofluoromethane	ug/m3	1.7	0.28		04/08/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.51	0.38		04/08/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/08/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/08/09	XC
Vinyl Acetate	ug/m3	ND	0.18		04/08/09	XC
Vinyl Chloride	ug/m3	ND	0.13		04/08/09	XC
m/p-Xylene	ug/m3	ND	0.43		04/08/09	XC
o-Xylene	ug/m3	ND	0.22		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 5 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-1-033109

Sample ID : *09B10194 ‡Sampled : 3/31/2009
 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	1.0		04/07/09	XC
Benzene	PPBv	3.4	1.0		04/07/09	XC
Benzyl Chloride	PPBv	ND	1.0		04/07/09	XC
Bromodichloromethane	PPBv	ND	1.0		04/07/09	XC
Bromoform	PPBv	ND	1.0		04/07/09	XC
Bromomethane	PPBv	ND	1.0		04/07/09	XC
1,3-Butadiene	PPBv	ND	1.0		04/07/09	XC
2-Butanone (MEK)	PPBv	3.0	1.0		04/07/09	XC
Carbon Disulfide	PPBv	ND	1.0		04/07/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		04/07/09	XC
Chlorobenzene	PPBv	ND	1.0		04/07/09	XC
Chlorodibromomethane	PPBv	ND	1.0		04/07/09	XC
Chloroethane	PPBv	96	1.0		04/07/09	XC
Chloroform	PPBv	7.0	1.0		04/07/09	XC
Chloromethane	PPBv	ND	1.0		04/07/09	XC
Cyclohexane	PPBv	1.7	1.0		04/07/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
Dichlorodifluoromethane	PPBv	34	1.0		04/07/09	XC
1,1-Dichloroethane	PPBv	1100	1.0		04/07/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		04/07/09	XC
1,1-Dichloroethylene	PPBv	310	1.0		04/07/09	XC
cis-1,2-Dichloroethylene	PPBv	560	1.0		04/07/09	XC
t-1,2-Dichloroethylene	PPBv	5.7	1.0		04/07/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		04/07/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		04/07/09	XC
Ethanol	PPBv	21	1.0		04/07/09	XC
Ethyl Acetate	PPBv	ND	1.0		04/07/09	XC
Ethylbenzene	PPBv	ND	1.0		04/07/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		04/07/09	XC
n-Heptane	PPBv	ND	1.0		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 6 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-1-033109

Sample ID : *09B10194 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Hexane	PPBv	ND	1.0		04/07/09	XC
2-Hexanone	PPBv	ND	1.0		04/07/09	XC
Isopropanol	PPBv	ND	1.0		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		04/07/09	XC
Methylene Chloride	PPBv	5.5	1.0		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		04/07/09	XC
Propene	PPBv	ND	1.0		04/07/09	XC
Styrene	PPBv	ND	1.0		04/07/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		04/07/09	XC
Tetrachloroethylene	PPBv	170	1.0		04/07/09	XC
Tetrahydrofuran	PPBv	7.2	1.0		04/07/09	XC
Toluene	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,1,1-Trichloroethane	PPBv	12000	1.0		04/07/09	XC
1,1,2-Trichloroethane	PPBv	1.9	1.0		04/07/09	XC
Trichloroethylene	PPBv	7800	1.0		04/07/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	97	1.0		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
Vinyl Acetate	PPBv	ND	1.0		04/07/09	XC
Vinyl Chloride	PPBv	1.9	1.0		04/07/09	XC
m/p-Xylene	PPBv	ND	2.0		04/07/09	XC
o-Xylene	PPBv	ND	1.0		04/07/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	16	2.4		04/07/09	XC
Benzene	ug/m3	11	3.2		04/07/09	XC
Benzyl Chloride	ug/m3	ND	5.2		04/07/09	XC
Bromodichloromethane	ug/m3	ND	6.6		04/07/09	XC
Bromoform	ug/m3	ND	11		04/07/09	XC
Bromomethane	ug/m3	ND	3.8		04/07/09	XC
1,3-Butadiene	ug/m3	ND	2.2		04/07/09	XC
2-Butanone (MEK)	ug/m3	8.9	3.0		04/07/09	XC
Carbon Disulfide	ug/m3	ND	3.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 7 of 26
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Field Sample # : EW-1-033109

Sample ID : *09B10194 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Chlorobenzene	ug/m3	ND	4.6		04/07/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		04/07/09	XC
Chloroethane	ug/m3	250	2.6		04/07/09	XC
Chloroform	ug/m3	34	4.8		04/07/09	XC
Chloromethane	ug/m3	ND	2.0		04/07/09	XC
Cyclohexane	ug/m3	5.7	3.4		04/07/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		04/07/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
Dichlorodifluoromethane	ug/m3	170	5.0		04/07/09	XC
1,1-Dichloroethane	ug/m3	4400	4.0		04/07/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		04/07/09	XC
1,1-Dichloroethylene	ug/m3	1200	4.0		04/07/09	XC
cis-1,2-Dichloroethylene	ug/m3	2200	4.0		04/07/09	XC
t-1,2-Dichloroethylene	ug/m3	23	4.0		04/07/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		04/07/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		04/07/09	XC
Ethanol	ug/m3	40	1.8		04/07/09	XC
Ethyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Ethylbenzene	ug/m3	ND	4.4		04/07/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		04/07/09	XC
n-Heptane	ug/m3	ND	4.0		04/07/09	XC
Hexachlorobutadiene	ug/m3	ND	22		04/07/09	XC
Hexane	ug/m3	ND	3.6		04/07/09	XC
2-Hexanone	ug/m3	ND	4.0		04/07/09	XC
Isopropanol	ug/m3	ND	2.4		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		04/07/09	XC
Methylene Chloride	ug/m3	19	3.4		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		04/07/09	XC
Propene	ug/m3	ND	1.8		04/07/09	XC
Styrene	ug/m3	ND	4.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 8 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-1-033109

Sample ID : *09B10194 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Tetrachloroethylene	ug/m3	1200	6.8		04/07/09	XC
Tetrahydrofuran	ug/m3	21	3.0		04/07/09	XC
Toluene	ug/m3	ND	3.8		04/07/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		04/07/09	XC
1,1,1-Trichloroethane	ug/m3	66000	5.4		04/07/09	XC
1,1,2-Trichloroethane	ug/m3	10	5.4		04/07/09	XC
Trichloroethylene	ug/m3	42000	5.4		04/07/09	XC
Trichlorofluoromethane	ug/m3	540	5.6		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		04/07/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
Vinyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Vinyl Chloride	ug/m3	4.8	2.6		04/07/09	XC
m/p-Xylene	ug/m3	ND	8.6		04/07/09	XC
o-Xylene	ug/m3	ND	4.4		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

Purchase Order No.: 200904907

4/10/2009
Page 9 of 26

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-24420
Job Number: 3650080114.11

Project Location: PROVIDENCE, RI.
Date Received: 4/1/2009

Field Sample # : EW-2-033109

Sample ID : *09B10195 ‡Sampled : 3/31/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	ND	4.0		04/07/09	XC
Benzene	PPBv	2.5	1.0		04/07/09	XC
Benzyl Chloride	PPBv	ND	1.0		04/07/09	XC
Bromodichloromethane	PPBv	ND	1.0		04/07/09	XC
Bromoform	PPBv	ND	1.0		04/07/09	XC
Bromomethane	PPBv	ND	1.0		04/07/09	XC
1,3-Butadiene	PPBv	ND	1.0		04/07/09	XC
2-Butanone (MEK)	PPBv	3.9	1.0		04/07/09	XC
Carbon Disulfide	PPBv	8.0	1.0		04/07/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		04/07/09	XC
Chlorobenzene	PPBv	ND	1.0		04/07/09	XC
Chlorodibromomethane	PPBv	ND	1.0		04/07/09	XC
Chloroethane	PPBv	220	1.0		04/07/09	XC
Chloroform	PPBv	3.0	1.0		04/07/09	XC
Chloromethane	PPBv	ND	1.0		04/07/09	XC
Cyclohexane	PPBv	2.6	1.0		04/07/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		04/07/09	XC
1,1-Dichloroethane	PPBv	1700	1.0		04/07/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		04/07/09	XC
1,1-Dichloroethylene	PPBv	160	1.0		04/07/09	XC
cis-1,2-Dichloroethylene	PPBv	1900	1.0		04/07/09	XC
t-1,2-Dichloroethylene	PPBv	45	1.0		04/07/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		04/07/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		04/07/09	XC
Ethanol	PPBv	4.4	1.0		04/07/09	XC
Ethyl Acetate	PPBv	ND	1.0		04/07/09	XC
Ethylbenzene	PPBv	ND	1.0		04/07/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		04/07/09	XC
n-Heptane	PPBv	ND	1.0		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 10 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-2-033109

Sample ID : *09B10195 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Hexane	PPBv	1.9	1.0		04/07/09	XC
2-Hexanone	PPBv	ND	1.0		04/07/09	XC
Isopropanol	PPBv	ND	1.0		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		04/07/09	XC
Methylene Chloride	PPBv	4.9	1.0		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		04/07/09	XC
Propene	PPBv	ND	1.0		04/07/09	XC
Styrene	PPBv	ND	1.0		04/07/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		04/07/09	XC
Tetrachloroethylene	PPBv	370	1.0		04/07/09	XC
Tetrahydrofuran	PPBv	ND	1.0		04/07/09	XC
Toluene	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,1,1-Trichloroethane	PPBv	5400	1.0		04/07/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		04/07/09	XC
Trichloroethylene	PPBv	4700	1.0		04/07/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	320	1.0		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
Vinyl Acetate	PPBv	ND	1.0		04/07/09	XC
Vinyl Chloride	PPBv	3.2	1.0		04/07/09	XC
m/p-Xylene	PPBv	ND	2.0		04/07/09	XC
o-Xylene	PPBv	ND	1.0		04/07/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	ND	9.6		04/07/09	XC
Benzene	ug/m3	7.8	3.2		04/07/09	XC
Benzyl Chloride	ug/m3	ND	5.2		04/07/09	XC
Bromodichloromethane	ug/m3	ND	6.6		04/07/09	XC
Bromoform	ug/m3	ND	11		04/07/09	XC
Bromomethane	ug/m3	ND	3.8		04/07/09	XC
1,3-Butadiene	ug/m3	ND	2.2		04/07/09	XC
2-Butanone (MEK)	ug/m3	11	3.0		04/07/09	XC
Carbon Disulfide	ug/m3	25	3.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 11 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-2-033109

Sample ID : *09B10195 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Chlorobenzene	ug/m3	ND	4.6		04/07/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		04/07/09	XC
Chloroethane	ug/m3	590	2.6		04/07/09	XC
Chloroform	ug/m3	15	4.8		04/07/09	XC
Chloromethane	ug/m3	ND	2.0		04/07/09	XC
Cyclohexane	ug/m3	8.8	3.4		04/07/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		04/07/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		04/07/09	XC
1,1-Dichloroethane	ug/m3	7000	4.0		04/07/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		04/07/09	XC
1,1-Dichloroethylene	ug/m3	640	4.0		04/07/09	XC
cis-1,2-Dichloroethylene	ug/m3	7600	4.0		04/07/09	XC
t-1,2-Dichloroethylene	ug/m3	180	4.0		04/07/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		04/07/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		04/07/09	XC
Ethanol	ug/m3	8.3	1.8		04/07/09	XC
Ethyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Ethylbenzene	ug/m3	ND	4.4		04/07/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		04/07/09	XC
n-Heptane	ug/m3	ND	4.0		04/07/09	XC
Hexachlorobutadiene	ug/m3	ND	22		04/07/09	XC
Hexane	ug/m3	6.6	3.6		04/07/09	XC
2-Hexanone	ug/m3	ND	4.0		04/07/09	XC
Isopropanol	ug/m3	ND	2.4		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		04/07/09	XC
Methylene Chloride	ug/m3	17	3.4		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		04/07/09	XC
Propene	ug/m3	ND	1.8		04/07/09	XC
Styrene	ug/m3	ND	4.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 12 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-2-033109

Sample ID : *09B10195 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Tetrachloroethylene	ug/m3	2500	6.8		04/07/09	XC
Tetrahydrofuran	ug/m3	ND	3.0		04/07/09	XC
Toluene	ug/m3	ND	3.8		04/07/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		04/07/09	XC
1,1,1-Trichloroethane	ug/m3	30000	5.4		04/07/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		04/07/09	XC
Trichloroethylene	ug/m3	25000	5.4		04/07/09	XC
Trichlorofluoromethane	ug/m3	1800	5.6		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		04/07/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
Vinyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Vinyl Chloride	ug/m3	8.1	2.6		04/07/09	XC
m/p-Xylene	ug/m3	ND	8.6		04/07/09	XC
o-Xylene	ug/m3	ND	4.4		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 13 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-3-033109

Sample ID : *09B10196 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Benzene	PPBv	2.1	1.0		04/07/09	XC
Benzyl Chloride	PPBv	ND	1.0		04/07/09	XC
Bromodichloromethane	PPBv	ND	1.0		04/07/09	XC
Bromoform	PPBv	ND	1.0		04/07/09	XC
Bromomethane	PPBv	ND	1.0		04/07/09	XC
1,3-Butadiene	PPBv	ND	1.0		04/07/09	XC
2-Butanone (MEK)	PPBv	3.6	1.0		04/07/09	XC
Carbon Disulfide	PPBv	ND	1.0		04/07/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		04/07/09	XC
Chlorobenzene	PPBv	ND	1.0		04/07/09	XC
Chlorodibromomethane	PPBv	ND	1.0		04/07/09	XC
Chloroethane	PPBv	17	1.0		04/07/09	XC
Chloroform	PPBv	4.7	1.0		04/07/09	XC
Chloromethane	PPBv	ND	1.0		04/07/09	XC
Cyclohexane	PPBv	ND	1.0		04/07/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
Dichlorodifluoromethane	PPBv	1.4	1.0		04/07/09	XC
1,1-Dichloroethane	PPBv	560	1.0		04/07/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		04/07/09	XC
1,1-Dichloroethylene	PPBv	140	1.0		04/07/09	XC
cis-1,2-Dichloroethylene	PPBv	290	1.0		04/07/09	XC
t-1,2-Dichloroethylene	PPBv	2.2	1.0		04/07/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		04/07/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		04/07/09	XC
Ethanol	PPBv	ND	1.0		04/07/09	XC
Ethyl Acetate	PPBv	ND	1.0		04/07/09	XC
Ethylbenzene	PPBv	ND	1.0		04/07/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		04/07/09	XC
n-Heptane	PPBv	ND	1.0		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 14 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-3-033109

Sample ID : *09B10196 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Hexane	PPBv	ND	1.0		04/07/09	XC
2-Hexanone	PPBv	ND	1.0		04/07/09	XC
Isopropanol	PPBv	2.4	1.0		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		04/07/09	XC
Methylene Chloride	PPBv	3.9	1.0		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		04/07/09	XC
Propene	PPBv	ND	1.0		04/07/09	XC
Styrene	PPBv	ND	1.0		04/07/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		04/07/09	XC
Tetrachloroethylene	PPBv	46	1.0		04/07/09	XC
Tetrahydrofuran	PPBv	4.6	1.0		04/07/09	XC
Toluene	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,1,1-Trichloroethane	PPBv	13000	1.0		04/07/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		04/07/09	XC
Trichloroethylene	PPBv	3500	1.0		04/07/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	150	1.0		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
Vinyl Acetate	PPBv	ND	1.0		04/07/09	XC
Vinyl Chloride	PPBv	ND	1.0		04/07/09	XC
m/p-Xylene	PPBv	ND	2.0		04/07/09	XC
o-Xylene	PPBv	ND	1.0		04/07/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	24	2.4		04/07/09	XC
Benzene	ug/m3	6.8	3.2		04/07/09	XC
Benzyl Chloride	ug/m3	ND	5.2		04/07/09	XC
Bromodichloromethane	ug/m3	ND	6.6		04/07/09	XC
Bromoform	ug/m3	ND	11		04/07/09	XC
Bromomethane	ug/m3	ND	3.8		04/07/09	XC
1,3-Butadiene	ug/m3	ND	2.2		04/07/09	XC
2-Butanone (MEK)	ug/m3	10	3.0		04/07/09	XC
Carbon Disulfide	ug/m3	ND	3.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 15 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-3-033109

Sample ID : *09B10196 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Chlorobenzene	ug/m3	ND	4.6		04/07/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		04/07/09	XC
Chloroethane	ug/m3	44	2.6		04/07/09	XC
Chloroform	ug/m3	23	4.8		04/07/09	XC
Chloromethane	ug/m3	ND	2.0		04/07/09	XC
Cyclohexane	ug/m3	ND	3.4		04/07/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		04/07/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
Dichlorodifluoromethane	ug/m3	7.0	5.0		04/07/09	XC
1,1-Dichloroethane	ug/m3	2300	4.0		04/07/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		04/07/09	XC
1,1-Dichloroethylene	ug/m3	560	4.0		04/07/09	XC
cis-1,2-Dichloroethylene	ug/m3	1200	4.0		04/07/09	XC
t-1,2-Dichloroethylene	ug/m3	8.8	4.0		04/07/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		04/07/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		04/07/09	XC
Ethanol	ug/m3	ND	1.8		04/07/09	XC
Ethyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Ethylbenzene	ug/m3	ND	4.4		04/07/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		04/07/09	XC
n-Heptane	ug/m3	ND	4.0		04/07/09	XC
Hexachlorobutadiene	ug/m3	ND	22		04/07/09	XC
Hexane	ug/m3	ND	3.6		04/07/09	XC
2-Hexanone	ug/m3	ND	4.0		04/07/09	XC
Isopropanol	ug/m3	5.9	2.4		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		04/07/09	XC
Methylene Chloride	ug/m3	13	3.4		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		04/07/09	XC
Propene	ug/m3	ND	1.8		04/07/09	XC
Styrene	ug/m3	ND	4.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 16 of 26
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Field Sample # : EW-3-033109

Sample ID : *09B10196 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Tetrachloroethylene	ug/m3	310	6.8		04/07/09	XC
Tetrahydrofuran	ug/m3	14	3.0		04/07/09	XC
Toluene	ug/m3	ND	3.8		04/07/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		04/07/09	XC
1,1,1-Trichloroethane	ug/m3	72000	5.4		04/07/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		04/07/09	XC
Trichloroethylene	ug/m3	19000	5.4		04/07/09	XC
Trichlorofluoromethane	ug/m3	840	5.6		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		04/07/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
Vinyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Vinyl Chloride	ug/m3	ND	2.6		04/07/09	XC
m/p-Xylene	ug/m3	ND	8.6		04/07/09	XC
o-Xylene	ug/m3	ND	4.4		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

4/10/2009
Page 17 of 26

Project Location: PROVIDENCE, RI.
Date Received: 4/1/2009

Purchase Order No.: 200904907

Project Number: 3650080114.11
LIMS-BAT #: LIMIT-24420
Job Number: 3650080114.11

Field Sample # : EW-4-033109

Sample ID : *09B10197 ‡Sampled : 3/31/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.3	1.0		04/07/09	XC
Benzene	PPBv	ND	1.0		04/07/09	XC
Benzyl Chloride	PPBv	ND	1.0		04/07/09	XC
Bromodichloromethane	PPBv	ND	1.0		04/07/09	XC
Bromoform	PPBv	ND	1.0		04/07/09	XC
Bromomethane	PPBv	ND	1.0		04/07/09	XC
1,3-Butadiene	PPBv	ND	1.0		04/07/09	XC
2-Butanone (MEK)	PPBv	2.2	1.0		04/07/09	XC
Carbon Disulfide	PPBv	ND	1.0		04/07/09	XC
Carbon Tetrachloride	PPBv	ND	1.0		04/07/09	XC
Chlorobenzene	PPBv	ND	1.0		04/07/09	XC
Chlorodibromomethane	PPBv	ND	1.0		04/07/09	XC
Chloroethane	PPBv	13	1.0		04/07/09	XC
Chloroform	PPBv	1.5	1.0		04/07/09	XC
Chloromethane	PPBv	ND	1.0		04/07/09	XC
Cyclohexane	PPBv	ND	1.0		04/07/09	XC
1,2-Dibromoethane	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,3-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,4-Dichlorobenzene	PPBv	ND	1.0		04/07/09	XC
Dichlorodifluoromethane	PPBv	ND	1.0		04/07/09	XC
1,1-Dichloroethane	PPBv	360	1.0		04/07/09	XC
1,2-Dichloroethane	PPBv	ND	1.0		04/07/09	XC
1,1-Dichloroethylene	PPBv	52	1.0		04/07/09	XC
cis-1,2-Dichloroethylene	PPBv	320	1.0		04/07/09	XC
t-1,2-Dichloroethylene	PPBv	2.0	1.0		04/07/09	XC
1,2-Dichloropropane	PPBv	ND	1.0		04/07/09	XC
cis-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
trans-1,3-Dichloropropene	PPBv	ND	1.0		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		04/07/09	XC
Ethanol	PPBv	ND	1.0		04/07/09	XC
Ethyl Acetate	PPBv	ND	1.0		04/07/09	XC
Ethylbenzene	PPBv	ND	1.0		04/07/09	XC
4-Ethyl Toluene	PPBv	ND	1.0		04/07/09	XC
n-Heptane	PPBv	ND	1.0		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 18 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-4-033109

Sample ID : *09B10197 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Hexane	PPBv	ND	1.0		04/07/09	XC
2-Hexanone	PPBv	ND	1.0		04/07/09	XC
Isopropanol	PPBv	2.9	1.0		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		04/07/09	XC
Methylene Chloride	PPBv	3.3	1.0		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		04/07/09	XC
Propene	PPBv	ND	1.0		04/07/09	XC
Styrene	PPBv	ND	1.0		04/07/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		04/07/09	XC
Tetrachloroethylene	PPBv	24	1.0		04/07/09	XC
Tetrahydrofuran	PPBv	1.7	1.0		04/07/09	XC
Toluene	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	1.0		04/07/09	XC
1,1,1-Trichloroethane	PPBv	2700	1.0		04/07/09	XC
1,1,2-Trichloroethane	PPBv	ND	1.0		04/07/09	XC
Trichloroethylene	PPBv	1000	1.0		04/07/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	66	1.0		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		04/07/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	1.0		04/07/09	XC
Vinyl Acetate	PPBv	ND	1.0		04/07/09	XC
Vinyl Chloride	PPBv	ND	1.0		04/07/09	XC
m/p-Xylene	PPBv	ND	2.0		04/07/09	XC
o-Xylene	PPBv	ND	1.0		04/07/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	12	2.4		04/07/09	XC
Benzene	ug/m3	ND	3.2		04/07/09	XC
Benzyl Chloride	ug/m3	ND	5.2		04/07/09	XC
Bromodichloromethane	ug/m3	ND	6.6		04/07/09	XC
Bromoform	ug/m3	ND	11		04/07/09	XC
Bromomethane	ug/m3	ND	3.8		04/07/09	XC
1,3-Butadiene	ug/m3	ND	2.2		04/07/09	XC
2-Butanone (MEK)	ug/m3	6.4	3.0		04/07/09	XC
Carbon Disulfide	ug/m3	ND	3.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 19 of 26

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Field Sample # : EW-4-033109

Sample ID : *09B10197 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Chlorobenzene	ug/m3	ND	4.6		04/07/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		04/07/09	XC
Chloroethane	ug/m3	33	2.6		04/07/09	XC
Chloroform	ug/m3	7.5	4.8		04/07/09	XC
Chloromethane	ug/m3	ND	2.0		04/07/09	XC
Cyclohexane	ug/m3	ND	3.4		04/07/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		04/07/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		04/07/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		04/07/09	XC
1,1-Dichloroethane	ug/m3	1400	4.0		04/07/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		04/07/09	XC
1,1-Dichloroethylene	ug/m3	210	4.0		04/07/09	XC
cis-1,2-Dichloroethylene	ug/m3	1300	4.0		04/07/09	XC
t-1,2-Dichloroethylene	ug/m3	8.0	4.0		04/07/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		04/07/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		04/07/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		04/07/09	XC
Ethanol	ug/m3	ND	1.8		04/07/09	XC
Ethyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Ethylbenzene	ug/m3	ND	4.4		04/07/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		04/07/09	XC
n-Heptane	ug/m3	ND	4.0		04/07/09	XC
Hexachlorobutadiene	ug/m3	ND	22		04/07/09	XC
Hexane	ug/m3	ND	3.6		04/07/09	XC
2-Hexanone	ug/m3	ND	4.0		04/07/09	XC
Isopropanol	ug/m3	7.1	2.4		04/07/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		04/07/09	XC
Methylene Chloride	ug/m3	12	3.4		04/07/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		04/07/09	XC
Propene	ug/m3	ND	1.8		04/07/09	XC
Styrene	ug/m3	ND	4.2		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 20 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : EW-4-033109

Sample ID : *09B10197 ‡Sampled : 3/31/2009
 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		04/07/09	XC
Tetrachloroethylene	ug/m3	170	6.8		04/07/09	XC
Tetrahydrofuran	ug/m3	5.1	3.0		04/07/09	XC
Toluene	ug/m3	ND	3.8		04/07/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		04/07/09	XC
1,1,1-Trichloroethane	ug/m3	14000	5.4		04/07/09	XC
1,1,2-Trichloroethane	ug/m3	ND	5.4		04/07/09	XC
Trichloroethylene	ug/m3	5500	5.4		04/07/09	XC
Trichlorofluoromethane	ug/m3	370	5.6		04/07/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		04/07/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		04/07/09	XC
Vinyl Acetate	ug/m3	ND	3.6		04/07/09	XC
Vinyl Chloride	ug/m3	ND	2.6		04/07/09	XC
m/p-Xylene	ug/m3	ND	8.6		04/07/09	XC
o-Xylene	ug/m3	ND	4.4		04/07/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 21 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : IA-1-033109

Sample ID : *09B10192 ‡Sampled : 3/31/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.1	0.05		04/08/09	XC
Benzene	PPBv	0.22	0.05		04/08/09	XC
Benzyl Chloride	PPBv	ND	0.05		04/08/09	XC
Bromodichloromethane	PPBv	ND	0.05		04/08/09	XC
Bromoform	PPBv	ND	0.05		04/08/09	XC
Bromomethane	PPBv	ND	0.05		04/08/09	XC
1,3-Butadiene	PPBv	ND	0.05		04/08/09	XC
2-Butanone (MEK)	PPBv	0.43	0.05		04/08/09	XC
Carbon Disulfide	PPBv	ND	0.05		04/08/09	XC
Carbon Tetrachloride	PPBv	0.08	0.05		04/08/09	XC
Chlorobenzene	PPBv	ND	0.05		04/08/09	XC
Chlorodibromomethane	PPBv	ND	0.05		04/08/09	XC
Chloroethane	PPBv	ND	0.05		04/08/09	XC
Chloroform	PPBv	ND	0.05		04/08/09	XC
Chloromethane	PPBv	0.58	0.05		04/08/09	XC
Cyclohexane	PPBv	ND	0.05		04/08/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		04/08/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		04/08/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		04/08/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		04/08/09	XC
Dichlorodifluoromethane	PPBv	0.63	0.05		04/08/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		04/08/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		04/08/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		04/08/09	XC
cis-1,2-Dichloroethylene	PPBv	0.13	0.05		04/08/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/08/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		04/08/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/08/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/08/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/08/09	XC
Ethanol	PPBv	9.7	0.05		04/08/09	XC
Ethyl Acetate	PPBv	ND	0.05		04/08/09	XC
Ethylbenzene	PPBv	ND	0.05		04/08/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		04/08/09	XC
n-Heptane	PPBv	ND	0.05		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 22 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : IA-1-033109

Sample ID : *09B10192 ‡Sampled : 3/31/2009
 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		04/08/09	XC
Hexane	PPBv	0.15	0.05		04/08/09	XC
2-Hexanone	PPBv	ND	0.05		04/08/09	XC
Isopropanol	PPBv	3.7	0.05		04/08/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/08/09	XC
Methylene Chloride	PPBv	1.9	0.05		04/08/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/08/09	XC
Propene	PPBv	ND	0.05		04/08/09	XC
Styrene	PPBv	ND	0.05		04/08/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/08/09	XC
Tetrachloroethylene	PPBv	0.22	0.05		04/08/09	XC
Tetrahydrofuran	PPBv	ND	0.05		04/08/09	XC
Toluene	PPBv	0.45	0.05		04/08/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/08/09	XC
1,1,1-Trichloroethane	PPBv	0.27	0.05		04/08/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		04/08/09	XC
Trichloroethylene	PPBv	0.11	0.05		04/08/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.21	0.05		04/08/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		04/08/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/08/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/08/09	XC
Vinyl Acetate	PPBv	ND	0.05		04/08/09	XC
Vinyl Chloride	PPBv	ND	0.05		04/08/09	XC
m/p-Xylene	PPBv	0.15	0.10		04/08/09	XC
o-Xylene	PPBv	ND	0.05		04/08/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	14	0.12		04/08/09	XC
Benzene	ug/m3	0.71	0.16		04/08/09	XC
Benzyl Chloride	ug/m3	ND	0.26		04/08/09	XC
Bromodichloromethane	ug/m3	ND	0.33		04/08/09	XC
Bromoform	ug/m3	ND	0.51		04/08/09	XC
Bromomethane	ug/m3	ND	0.19		04/08/09	XC
1,3-Butadiene	ug/m3	ND	0.11		04/08/09	XC
2-Butanone (MEK)	ug/m3	1.3	0.15		04/08/09	XC
Carbon Disulfide	ug/m3	ND	0.16		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 23 of 26

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : IA-1-033109

Sample ID : *09B10192 ‡Sampled : 3/31/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.53	0.31		04/08/09	XC
Chlorobenzene	ug/m3	ND	0.23		04/08/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		04/08/09	XC
Chloroethane	ug/m3	ND	0.13		04/08/09	XC
Chloroform	ug/m3	ND	0.24		04/08/09	XC
Chloromethane	ug/m3	1.2	0.10		04/08/09	XC
Cyclohexane	ug/m3	ND	0.17		04/08/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		04/08/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/08/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/08/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/08/09	XC
Dichlorodifluoromethane	ug/m3	3.1	0.25		04/08/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		04/08/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		04/08/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		04/08/09	XC
cis-1,2-Dichloroethylene	ug/m3	0.50	0.20		04/08/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/08/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		04/08/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/08/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/08/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/08/09	XC
Ethanol	ug/m3	18	0.09		04/08/09	XC
Ethyl Acetate	ug/m3	ND	0.18		04/08/09	XC
Ethylbenzene	ug/m3	ND	0.22		04/08/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		04/08/09	XC
n-Heptane	ug/m3	ND	0.20		04/08/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		04/08/09	XC
Hexane	ug/m3	0.53	0.18		04/08/09	XC
2-Hexanone	ug/m3	ND	0.20		04/08/09	XC
Isopropanol	ug/m3	9.1	0.12		04/08/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/08/09	XC
Methylene Chloride	ug/m3	6.7	0.17		04/08/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/08/09	XC
Propene	ug/m3	ND	0.09		04/08/09	XC
Styrene	ug/m3	ND	0.21		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Purchase Order No.: 200904907

4/10/2009
 Page 24 of 26

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Field Sample # : IA-1-033109

Sample ID : *09B10192 ‡Sampled : 3/31/2009
 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		04/08/09	XC
Tetrachloroethylene	ug/m3	1.5	0.34		04/08/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		04/08/09	XC
Toluene	ug/m3	1.7	0.19		04/08/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/08/09	XC
1,1,1-Trichloroethane	ug/m3	1.5	0.27		04/08/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/08/09	XC
Trichloroethylene	ug/m3	0.57	0.27		04/08/09	XC
Trichlorofluoromethane	ug/m3	1.2	0.28		04/08/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.59	0.38		04/08/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/08/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/08/09	XC
Vinyl Acetate	ug/m3	ND	0.18		04/08/09	XC
Vinyl Chloride	ug/m3	ND	0.13		04/08/09	XC
m/p-Xylene	ug/m3	0.63	0.43		04/08/09	XC
o-Xylene	ug/m3	ND	0.22		04/08/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

4/10/2009
 Page 25 of 26

Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

The following notes were attached to the reported analysis :

Sample ID: * 09B10192

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Blank-131671

1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.
---------------------------	-------	------	------	------

Lfblank-93918	True Value PPBv ug/m3		Sample Results PPBv ug/m3		Recovery %
1,1,1,2-Tetrachloroethane	1.8	13	1.6	11	87

Sample ID: * 09B10193

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B10194

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B10195

Analysis: to-15 ug/m3

Analyte	Reporting Limit PPBv ug/m3		Sample Results PPBv ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

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

Project Location: PROVIDENCE, RI.
 Date Received: 4/1/2009

Purchase Order No.: 200904907

4/10/2009
 Page 26 of 26
 Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-24420
 Job Number: 3650080114.11

Sample ID: * 09B10196

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B10197

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

** 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



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

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: 4/10/2009

Lims Bat # : LIMIT-24420

Page 1 of 8

QC Batch Number: BATCH-16418

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B10192	4-Bromofluorobenzene	Surrogate Recovery	106.75	%	70-130
09B10193	4-Bromofluorobenzene	Surrogate Recovery	106.87	%	70-130
09B10194	4-Bromofluorobenzene	Surrogate Recovery	106.62	%	70-130
09B10195	4-Bromofluorobenzene	Surrogate Recovery	106.87	%	70-130
09B10196	4-Bromofluorobenzene	Surrogate Recovery	106.62	%	70-130
09B10197	4-Bromofluorobenzene	Surrogate Recovery	105.87	%	70-130
BLANK-131671	Acetone	Blank	0.42	ug/m3	
	Benzene	Blank	<0.08	ug/m3	
	Carbon Tetrachloride	Blank	<0.16	ug/m3	
	Chloroform	Blank	<0.12	ug/m3	
	1,2-Dichloroethane	Blank	<0.10	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.15	ug/m3	
	Ethyl Acetate	Blank	<0.09	ug/m3	
	Ethylbenzene	Blank	<0.11	ug/m3	
	Hexane	Blank	<0.09	ug/m3	
	Isopropanol	Blank	0.06	ug/m3	
	2-Butanone (MEK)	Blank	0.08	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	0.28	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	0.36	ug/m3	



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

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: 4/10/2009

Lims Bat # : LIMIT-24420

Page 2 of 8

QC Batch Number: BATCH-16418

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-131671					
	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	<0.19	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.13	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.13	ug/m3	
	Cyclohexane	Blank	<0.09	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.10	ug/m3	
	1,2-Dichloropropane	Blank	<0.12	ug/m3	
	Dichlorodifluoromethane	Blank	<0.13	ug/m3	
	Benzyl Chloride	Blank	<0.13	ug/m3	
	Carbon Disulfide	Blank	<0.08	ug/m3	
	Vinyl Acetate	Blank	<0.09	ug/m3	
	2-Hexanone	Blank	<0.10	ug/m3	
	Bromodichloromethane	Blank	<0.17	ug/m3	
	1,2-Dibromoethane	Blank	<0.19	ug/m3	
	n-Heptane	Blank	<0.10	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.18	ug/m3	
	Tetrahydrofuran	Blank	<0.08	ug/m3	
	Propene	Blank	<0.05	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	
LFBLANK-93918					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	13.30	ug/m3	
		Lab Fort Blk. % Rec.	112.06	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	15.54	ug/m3	
		Lab Fort Blk. % Rec.	97.47	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	37.72	ug/m3	
		Lab Fort Blk. % Rec.	119.94	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	24.28	ug/m3	
		Lab Fort Blk. % Rec.	99.77	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	



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

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: 4/10/2009

Lims Bat # : LIMIT-24420

Page 3 of 8

QC Batch Number: BATCH-16418

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93918	1,2-Dichloroethane	Lab Fort Blk. Found	23.03	ug/m3	
		Lab Fort Blk. % Rec.	113.76	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	31.33	ug/m3	
	Ethyl Acetate	Lab Fort Blk. % Rec.	104.24	%	70-130
		Lab Fort Blank Amt.	18.01	ug/m3	
	Ethylbenzene	Lab Fort Blk. Found	15.60	ug/m3	
		Lab Fort Blk. % Rec.	86.62	%	50-150
	Hexane	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	22.04	ug/m3	
	Isopropanol	Lab Fort Blk. % Rec.	101.72	%	70-130
		Lab Fort Blank Amt.	17.62	ug/m3	
	2-Butanone (MEK)	Lab Fort Blk. Found	16.63	ug/m3	
		Lab Fort Blk. % Rec.	94.40	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	15.32	ug/m3	
	Styrene	Lab Fort Blk. % Rec.	124.72	%	50-150
		Lab Fort Blank Amt.	14.74	ug/m3	
	Tetrachloroethylene	Lab Fort Blk. Found	13.23	ug/m3	
		Lab Fort Blk. % Rec.	89.73	%	70-130
	Toluene	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	22.01	ug/m3	
	1,1,1-Trichloroethane	Lab Fort Blk. % Rec.	107.46	%	70-130
		Lab Fort Blank Amt.	21.26	ug/m3	
	Trichloroethylene	Lab Fort Blk. Found	21.34	ug/m3	
		Lab Fort Blk. % Rec.	100.38	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	31.81	ug/m3	
	Trichlorofluoromethane	Lab Fort Blk. % Rec.	93.81	%	70-130
		Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	17.39	ug/m3	
		Lab Fort Blk. % Rec.	92.46	%	70-130
		Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	30.97	ug/m3	
		Lab Fort Blk. % Rec.	113.54	%	70-130
		Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	27.22	ug/m3	
		Lab Fort Blk. % Rec.	101.30	%	70-130
		Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	35.42	ug/m3	
		Lab Fort Blk. % Rec.	92.43	%	70-130
		Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	28.37	ug/m3	



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

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: 4/10/2009

Lims Bat # : LIMIT-24420

Page 4 of 8

QC Batch Number: BATCH-16418

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93918					
	Trichlorofluoromethane	Lab Fort Blk. % Rec.	101.00	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	23.02	ug/m3	
	m/p-Xylene	Lab Fort Blk. % Rec.	106.02	%	70-130
		Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	46.55	ug/m3	
	1,2-Dichlorobenzene	Lab Fort Blk. % Rec.	107.18	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	30.86	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	102.68	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	31.13	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	103.56	%	70-130
		Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	19.48	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	96.22	%	70-130
		Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	19.66	ug/m3	
	Ethanol	Lab Fort Blk. % Rec.	99.11	%	70-130
		Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	13.44	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	142.69	%	50-150
		Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.67	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	108.50	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	16.08	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	89.23	%	70-130
		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	19.25	ug/m3	
	Vinyl Chloride	Lab Fort Blk. % Rec.	97.13	%	70-130
		Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	13.09	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	102.44	%	70-130
		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	16.90	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	97.34	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.74	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	98.78	%	70-130
		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	11.21	ug/m3	
		Lab Fort Blk. % Rec.	108.66	%	70-130



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

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: 4/10/2009

Lims Bat # : LIMIT-24420

Page 5 of 8

QC Batch Number: BATCH-16418

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93918					
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	19.35	ug/m3	
		Lab Fort Blk. % Rec.	99.71	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	18.06	ug/m3	
		Lab Fort Blk. % Rec.	136.97	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	23.28	ug/m3	
		Lab Fort Blk. % Rec.	102.58	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	24.51	ug/m3	
		Lab Fort Blk. % Rec.	107.98	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	49.19	ug/m3	
		Lab Fort Blk. % Rec.	115.50	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	26.65	ug/m3	
		Lab Fort Blk. % Rec.	97.72	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	63.81	ug/m3	
		Lab Fort Blk. % Rec.	123.44	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	35.81	ug/m3	
		Lab Fort Blk. % Rec.	104.32	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	48.84	ug/m3	
		Lab Fort Blk. % Rec.	91.57	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	33.98	ug/m3	
		Lab Fort Blk. % Rec.	91.57	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.55	ug/m3	
		Lab Fort Blk. % Rec.	108.02	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	26.97	ug/m3	
		Lab Fort Blk. % Rec.	109.74	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	16.19	ug/m3	
		Lab Fort Blk. % Rec.	94.12	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	19.70	ug/m3	
		Lab Fort Blk. % Rec.	99.39	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	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: 4/10/2009

Lims Bat # : LIMIT-24420

Page 6 of 8

QC Batch Number: BATCH-16418

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-93918					
	1,2-Dichloropropane	Lab Fort Blk. Found	24.62	ug/m3	
		Lab Fort Blk. % Rec.	106.58	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	24.15	ug/m3	
		Lab Fort Blk. % Rec.	97.70	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	27.71	ug/m3	
		Lab Fort Blk. % Rec.	107.08	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	13.27	ug/m3	
		Lab Fort Blk. % Rec.	85.27	%	70-130
	Vinyl Acetate	Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	16.73	ug/m3	
		Lab Fort Blk. % Rec.	95.03	%	70-130
	2-Hexanone	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	21.76	ug/m3	
		Lab Fort Blk. % Rec.	106.26	%	50-150
	Bromodichloromethane	Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	39.85	ug/m3	
		Lab Fort Blk. % Rec.	118.96	%	70-130
	1,2-Dibromoethane	Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	38.29	ug/m3	
		Lab Fort Blk. % Rec.	99.66	%	70-130
	n-Heptane	Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	20.99	ug/m3	
		Lab Fort Blk. % Rec.	102.44	%	50-150
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	29.51	ug/m3	
		Lab Fort Blk. % Rec.	84.43	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	14.18	ug/m3	
		Lab Fort Blk. % Rec.	96.24	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	9.16	ug/m3	
		Lab Fort Blk. % Rec.	106.54	%	50-150
	1,3-Butadiene	Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	11.54	ug/m3	
		Lab Fort Blk. % Rec.	104.38	%	70-130



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

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: 4/10/2009

Lims Bat # : LIMIT-24420

Page 7 of 8

NOTES:

QC Batch No. : BATCH-16418
Sample ID : LFBLANK-93918
Analysis : Chloroethane

LABORATORY FORTIFIED BLANK RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED VALUE FOR THIS COMPOUND IS LIKELY TO BE BIASED ON THE HIGH 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: 4/10/2009 Lims Bat #: LIMIT-24420 Page 8 of 8

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
 www.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
Wakefield, MA 01880

Attention: Kelly Chatterton

Project Location: Providence, RI (Garham Site)
 Sampled By: RM

Proposal Provided? (For Billing purposes)
 Yes 3-3-09 proposal date

Telephone: (801) 245-6606
 Project # 3650080119.11
 Client PO # 200909907

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: KChatterton@mactec.com
 Format: EXCEL PDF GIS KEY OTHER

EWIS EWIS

Field ID	Sample Description	Media	Lab #	Date	Stop	Total	Flow Rate	Volume	Matrix	Code*
				Time	Time	Minutes	M ³ /Min. or (L/Min)	Liters or M ³		
IA-1-033109	S		09B	3-31-09 1206	3-31-09 1236	30	0.2	6	IA	X
AA-1-033109	S		10193	3-31-09 1206	3-31-09 1238	30	0.2	6	AMB	X
EW-1-033109	S		10192	3-31-09 1242	3-31-09 1312	30	0.2	6	S4	X
EW-2-033109	S		10195	3-31-09 1245	3-31-09 1315	30	0.2	6	S4	X
EW-3-033109	S		10196	3-31-09 1258	3-31-09 1259	1	6	6	S4	X
EW-4-033109	S		10197	3-31-09 1302	3-31-09 1302.5	0.5	12	6	S4	X

CLIENT COMMENTS: EW-1-033109, EW-2-033109, EW-3-033109, and EW-4-033109 were sampled from soil gas source area soil gas.

Relinquished by: (signature) [Signature] Date/Time: 4-1-09/1110

Turnaround **
 7-Day
 10-Day
 Other _____

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

*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= teflon bag
 P= PUF
 T= tube
 F= filter
 C= cassette
 O= Other

Requested by: (signature) [Signature] Date/Time: 4-1-09 17:15

Received by: (signature) [Signature] Date/Time: 4-1-09 17:15

*Approval Required 72-Hr 74-Day

** 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.

AH/A, NELAC & WBE/DBE Certified

ANALYSIS REQUESTED

"Hg"

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.

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



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MAZTEC
RECEIVED BY: Km DATE: 04/10/2004

- 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: Asa

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	
Restrictors	4
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: 200904907

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-24821
 JOB NUMBER: 3650080114

PROJECT LOCATION: GORHAM SITE, PROVIDENCE, RI.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-041409	09B12368	AIR	Not Specified	to-15 ppbv	
*AA-1-041409	09B12368	AIR	Not Specified	to-15 ug/m3	
*EW-5-041409	09B12369	AIR	Not Specified	to-15 ppbv	
*EW-5-041409	09B12369	AIR	Not Specified	to-15 ug/m3	
*EW-6-041409	09B12370	AIR	Not Specified	to-15 ppbv	
*EW-6-041409	09B12370	AIR	Not Specified	to-15 ug/m3	
*EW-7-041409	09B12371	AIR	Not Specified	to-15 ppbv	
*EW-7-041409	09B12371	AIR	Not Specified	to-15 ug/m3	
*EW-COMBINED-04	09B12372	AIR	Not Specified	to-15 ppbv	
*EW-COMBINED-04	09B12372	AIR	Not Specified	to-15 ug/m3	
*IA-1-041409	09B12361	AIR	Not Specified	to-15 ppbv	
*IA-1-041409	09B12361	AIR	Not Specified	to-15 ug/m3	
*IA-2-041409	09B12362	AIR	Not Specified	to-15 ppbv	
*IA-2-041409	09B12362	AIR	Not Specified	to-15 ug/m3	
*IA-3-041409	09B12363	AIR	Not Specified	to-15 ppbv	
*IA-3-041409	09B12363	AIR	Not Specified	to-15 ug/m3	
*IA-4-041409	09B12364	AIR	Not Specified	to-15 ppbv	
*IA-4-041409	09B12364	AIR	Not Specified	to-15 ug/m3	
*IA-5-041409	09B12365	AIR	Not Specified	to-15 ppbv	
*IA-5-041409	09B12365	AIR	Not Specified	to-15 ug/m3	
*IA-6-041409	09B12366	AIR	Not Specified	to-15 ppbv	
*IA-6-041409	09B12366	AIR	Not Specified	to-15 ug/m3	
*IA-7-041409	09B12367	AIR	Not Specified	to-15 ppbv	
*IA-7-041409	09B12367	AIR	Not Specified	to-15 ug/m3	
*POST CARBON-04	09B12373	AIR	Not Specified	to-15 ppbv	
*POST CARBON-04	09B12373	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
 OF PARAMETERS ORDERED BY:**





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

REPORT DATE 4/22/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200904907

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-24821
JOB NUMBER: 3650080114

Comments :

LIMS BATCH NO. : LIMIT-24821

In method TO-15, method blank-132116 contained Acetone at 0.12 ppbv = 0.28 ug/m3,
Methylene Chloride at 0.12 ppbv = 0.44 ug/m3 and Ethanol at 0.27 ppbv = 0.52 ug/m3.

In method TO-15, for samples 09B12361 - 09B12373, reported result for 1,1,1-Tetrachloroethane is estimated.
Continuing calibration was within control limits but was run after samples.

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.

Edward Denson 4/22/09
SIGNATURE DATE

Tod Kopycinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

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

4/22/2009
 Page 1 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : AA-1-041409

Sample ID : *09B12368 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	0.46	0.04		04/21/09	WSD
Benzene	PPBv	ND	0.04		04/21/09	WSD
Benzyl Chloride	PPBv	ND	0.04		04/21/09	WSD
Bromodichloromethane	PPBv	ND	0.04		04/21/09	WSD
Bromoform	PPBv	ND	0.04		04/21/09	WSD
Bromomethane	PPBv	ND	0.04		04/21/09	WSD
1,3-Butadiene	PPBv	ND	0.04		04/21/09	WSD
2-Butanone (MEK)	PPBv	ND	0.04		04/21/09	WSD
Carbon Disulfide	PPBv	ND	0.04		04/21/09	WSD
Carbon Tetrachloride	PPBv	ND	0.04		04/21/09	WSD
Chlorobenzene	PPBv	ND	0.04		04/21/09	WSD
Chlorodibromomethane	PPBv	ND	0.04		04/21/09	WSD
Chloroethane	PPBv	ND	0.04		04/21/09	WSD
Chloroform	PPBv	ND	0.04		04/21/09	WSD
Chloromethane	PPBv	0.52	0.04		04/21/09	WSD
Cyclohexane	PPBv	ND	0.04		04/21/09	WSD
1,2-Dibromoethane	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
Dichlorodifluoromethane	PPBv	0.40	0.04		04/21/09	WSD
1,1-Dichloroethane	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichloroethane	PPBv	ND	0.04		04/21/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.04		04/21/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.04		04/21/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichloropropane	PPBv	ND	0.04		04/21/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.04		04/21/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.04		04/21/09	WSD
Ethanol	PPBv	0.43	0.04		04/21/09	WSD
Ethyl Acetate	PPBv	ND	0.07		04/21/09	WSD
Ethylbenzene	PPBv	ND	0.04		04/21/09	WSD
4-Ethyl Toluene	PPBv	ND	0.04		04/21/09	WSD
n-Heptane	PPBv	ND	0.04		04/21/09	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

4/22/2009
 Page 2 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : AA-1-041409

Sample ID : *09B12368 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.07		04/21/09	WSD
Hexane	PPBv	ND	0.04		04/21/09	WSD
2-Hexanone	PPBv	ND	0.04		04/21/09	WSD
Isopropanol	PPBv	ND	0.07		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/21/09	WSD
Methylene Chloride	PPBv	0.61	0.04		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.04		04/21/09	WSD
Propene	PPBv	ND	0.07		04/21/09	WSD
Styrene	PPBv	ND	0.04		04/21/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/21/09	WSD
Tetrachloroethylene	PPBv	ND	0.04		04/21/09	WSD
Tetrahydrofuran	PPBv	ND	0.04		04/21/09	WSD
Toluene	PPBv	ND	0.04		04/21/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.04		04/21/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/21/09	WSD
Trichloroethylene	PPBv	ND	0.04		04/21/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.16	0.04		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.04		04/21/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.04		04/21/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/21/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/21/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/21/09	WSD
m/p-Xylene	PPBv	ND	0.07		04/21/09	WSD
o-Xylene	PPBv	ND	0.04		04/21/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	1.1	0.09		04/21/09	WSD
Benzene	ug/m3	ND	0.12		04/21/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/21/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/21/09	WSD
Bromoform	ug/m3	ND	0.36		04/21/09	WSD
Bromomethane	ug/m3	ND	0.14		04/21/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/21/09	WSD
2-Butanone (MEK)	ug/m3	ND	0.11		04/21/09	WSD
Carbon Disulfide	ug/m3	ND	0.12		04/21/09	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

4/22/2009
 Page 3 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : AA-1-041409

Sample ID : *09B12368 ‡Sampled : 4/14/2009
 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	0.22		04/21/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/21/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/21/09	WSD
Chloroethane	ug/m3	ND	0.10		04/21/09	WSD
Chloroform	ug/m3	ND	0.17		04/21/09	WSD
Chloromethane	ug/m3	1.1	0.07		04/21/09	WSD
Cyclohexane	ug/m3	ND	0.12		04/21/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/21/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/21/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/21/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/21/09	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.18		04/21/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/21/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/21/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/21/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.14		04/21/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/21/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/21/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/21/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/21/09	WSD
Ethanol	ug/m3	0.81	0.07		04/21/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/21/09	WSD
Ethylbenzene	ug/m3	ND	0.16		04/21/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/21/09	WSD
n-Heptane	ug/m3	ND	0.14		04/21/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/21/09	WSD
Hexane	ug/m3	ND	0.13		04/21/09	WSD
2-Hexanone	ug/m3	ND	0.14		04/21/09	WSD
Isopropanol	ug/m3	ND	0.18		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/21/09	WSD
Methylene Chloride	ug/m3	2.1	0.12		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.14		04/21/09	WSD
Propene	ug/m3	ND	0.13		04/21/09	WSD
Styrene	ug/m3	ND	0.15		04/21/09	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

4/22/2009
 Page 4 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : AA-1-041409

Sample ID : *09B12368 ‡Sampled : 4/14/2009
 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	0.24		04/21/09	WSD
Tetrachloroethylene	ug/m3	ND	0.24		04/21/09	WSD
Tetrahydrofuran	ug/m3	ND	0.11		04/21/09	WSD
Toluene	ug/m3	ND	0.14		04/21/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.26		04/21/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.19		04/21/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.19		04/21/09	WSD
Trichloroethylene	ug/m3	ND	0.19		04/21/09	WSD
Trichlorofluoromethane	ug/m3	0.92	0.20		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	0.27		04/21/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.18		04/21/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.18		04/21/09	WSD
Vinyl Acetate	ug/m3	ND	0.50		04/21/09	WSD
Vinyl Chloride	ug/m3	ND	0.10		04/21/09	WSD
m/p-Xylene	ug/m3	ND	0.31		04/21/09	WSD
o-Xylene	ug/m3	ND	0.16		04/21/09	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

4/22/2009
Page 5 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-24821
Job Number: 3650080114

Field Sample # : EW-5-041409

Sample ID : *09B12369 ‡Sampled : 4/14/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	2400	10		04/21/09	WSD
Benzene	PPBv	ND	10		04/21/09	WSD
Benzyl Chloride	PPBv	ND	10		04/21/09	WSD
Bromodichloromethane	PPBv	ND	10		04/21/09	WSD
Bromoform	PPBv	ND	10		04/21/09	WSD
Bromomethane	PPBv	ND	10		04/21/09	WSD
1,3-Butadiene	PPBv	ND	10		04/21/09	WSD
2-Butanone (MEK)	PPBv	22000	10		04/21/09	WSD
Carbon Disulfide	PPBv	73	10		04/21/09	WSD
Carbon Tetrachloride	PPBv	ND	10		04/21/09	WSD
Chlorobenzene	PPBv	ND	10		04/21/09	WSD
Chlorodibromomethane	PPBv	ND	10		04/21/09	WSD
Chloroethane	PPBv	ND	10		04/21/09	WSD
Chloroform	PPBv	ND	10		04/21/09	WSD
Chloromethane	PPBv	ND	10		04/21/09	WSD
Cyclohexane	PPBv	ND	10		04/21/09	WSD
1,2-Dibromoethane	PPBv	ND	10		04/21/09	WSD
1,2-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,3-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,4-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
Dichlorodifluoromethane	PPBv	ND	10		04/21/09	WSD
1,1-Dichloroethane	PPBv	88	10		04/21/09	WSD
1,2-Dichloroethane	PPBv	ND	10		04/21/09	WSD
1,1-Dichloroethylene	PPBv	40	10		04/21/09	WSD
cis-1,2-Dichloroethylene	PPBv	39	10		04/21/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	10		04/21/09	WSD
1,2-Dichloropropane	PPBv	ND	10		04/21/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	10		04/21/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	10		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10		04/21/09	WSD
Ethanol	PPBv	69	10		04/21/09	WSD
Ethyl Acetate	PPBv	ND	20		04/21/09	WSD
Ethylbenzene	PPBv	ND	10		04/21/09	WSD
4-Ethyl Toluene	PPBv	ND	10		04/21/09	WSD
n-Heptane	PPBv	ND	10		04/21/09	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.: 200904907

4/22/2009
 Page 6 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-5-041409

Sample ID : *09B12369 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	20		04/21/09	WSD
Hexane	PPBv	ND	10		04/21/09	WSD
2-Hexanone	PPBv	ND	10		04/21/09	WSD
Isopropanol	PPBv	120	10		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10		04/21/09	WSD
Methylene Chloride	PPBv	210	10		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10		04/21/09	WSD
Propene	PPBv	ND	20		04/21/09	WSD
Styrene	PPBv	ND	10		04/21/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	10		04/21/09	WSD
Tetrachloroethylene	PPBv	ND	10		04/21/09	WSD
Tetrahydrofuran	PPBv	14000	10		04/21/09	WSD
Toluene	PPBv	ND	10		04/21/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,1,1-Trichloroethane	PPBv	480	10		04/21/09	WSD
1,1,2-Trichloroethane	PPBv	ND	10		04/21/09	WSD
Trichloroethylene	PPBv	700	10		04/21/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	ND	10		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10		04/21/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	10		04/21/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	10		04/21/09	WSD
Vinyl Acetate	PPBv	ND	40		04/21/09	WSD
Vinyl Chloride	PPBv	ND	10		04/21/09	WSD
m/p-Xylene	PPBv	ND	20		04/21/09	WSD
o-Xylene	PPBv	ND	10		04/21/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	5600	24		04/21/09	WSD
Benzene	ug/m3	ND	32		04/21/09	WSD
Benzyl Chloride	ug/m3	ND	52		04/21/09	WSD
Bromodichloromethane	ug/m3	ND	66		04/21/09	WSD
Bromoform	ug/m3	ND	110		04/21/09	WSD
Bromomethane	ug/m3	ND	38		04/21/09	WSD
1,3-Butadiene	ug/m3	ND	22		04/21/09	WSD
2-Butanone (MEK)	ug/m3	64000	30		04/21/09	WSD
Carbon Disulfide	ug/m3	230	32		04/21/09	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

4/22/2009
 Page 7 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-5-041409

Sample ID : *09B12369 ‡Sampled : 4/14/2009
 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	62		04/21/09	WSD
Chlorobenzene	ug/m3	ND	46		04/21/09	WSD
Chlorodibromomethane	ug/m3	ND	86		04/21/09	WSD
Chloroethane	ug/m3	ND	26		04/21/09	WSD
Chloroform	ug/m3	ND	48		04/21/09	WSD
Chloromethane	ug/m3	ND	20		04/21/09	WSD
Cyclohexane	ug/m3	ND	34		04/21/09	WSD
1,2-Dibromoethane	ug/m3	ND	76		04/21/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
Dichlorodifluoromethane	ug/m3	ND	50		04/21/09	WSD
1,1-Dichloroethane	ug/m3	360	40		04/21/09	WSD
1,2-Dichloroethane	ug/m3	ND	40		04/21/09	WSD
1,1-Dichloroethylene	ug/m3	160	40		04/21/09	WSD
cis-1,2-Dichloroethylene	ug/m3	150	40		04/21/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	40		04/21/09	WSD
1,2-Dichloropropane	ug/m3	ND	46		04/21/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	44		04/21/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	44		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	70		04/21/09	WSD
Ethanol	ug/m3	130	18		04/21/09	WSD
Ethyl Acetate	ug/m3	ND	73		04/21/09	WSD
Ethylbenzene	ug/m3	ND	44		04/21/09	WSD
4-Ethyl Toluene	ug/m3	ND	50		04/21/09	WSD
n-Heptane	ug/m3	ND	40		04/21/09	WSD
Hexachlorobutadiene	ug/m3	ND	220		04/21/09	WSD
Hexane	ug/m3	ND	36		04/21/09	WSD
2-Hexanone	ug/m3	ND	40		04/21/09	WSD
Isopropanol	ug/m3	290	24		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	36		04/21/09	WSD
Methylene Chloride	ug/m3	720	34		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	40		04/21/09	WSD
Propene	ug/m3	ND	35		04/21/09	WSD
Styrene	ug/m3	ND	42		04/21/09	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

4/22/2009

Page 8 of 55

Purchase Order No.: 200904907

Project Number: 3650080114

Project Location: GORHAM SITE, PROVIDENCE, RI.

LIMS-BAT #: LIMIT-24821

Date Received: 4/15/2009

Job Number: 3650080114

Field Sample # : EW-5-041409

Sample ID : *09B12369 ‡Sampled : 4/14/2009
 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	68		04/21/09	WSD
Tetrachloroethylene	ug/m3	ND	68		04/21/09	WSD
Tetrahydrofuran	ug/m3	42000	30		04/21/09	WSD
Toluene	ug/m3	ND	38		04/21/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	74		04/21/09	WSD
1,1,1-Trichloroethane	ug/m3	2600	54		04/21/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	54		04/21/09	WSD
Trichloroethylene	ug/m3	3800	54		04/21/09	WSD
Trichlorofluoromethane	ug/m3	ND	56		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	76		04/21/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	50		04/21/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	50		04/21/09	WSD
Vinyl Acetate	ug/m3	ND	150		04/21/09	WSD
Vinyl Chloride	ug/m3	ND	26		04/21/09	WSD
m/p-Xylene	ug/m3	ND	86		04/21/09	WSD
o-Xylene	ug/m3	ND	44		04/21/09	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.: 200904907

4/22/2009
 Page 9 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-6-041409

Sample ID : *09B12370 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	170	10		04/21/09	WSD
Benzene	PPBv	ND	10		04/21/09	WSD
Benzyl Chloride	PPBv	ND	10		04/21/09	WSD
Bromodichloromethane	PPBv	ND	10		04/21/09	WSD
Bromoform	PPBv	ND	10		04/21/09	WSD
Bromomethane	PPBv	ND	10		04/21/09	WSD
1,3-Butadiene	PPBv	ND	10		04/21/09	WSD
2-Butanone (MEK)	PPBv	54	10		04/21/09	WSD
Carbon Disulfide	PPBv	59	10		04/21/09	WSD
Carbon Tetrachloride	PPBv	ND	10		04/21/09	WSD
Chlorobenzene	PPBv	ND	10		04/21/09	WSD
Chlorodibromomethane	PPBv	ND	10		04/21/09	WSD
Chloroethane	PPBv	ND	10		04/21/09	WSD
Chloroform	PPBv	10	10		04/21/09	WSD
Chloromethane	PPBv	17	10		04/21/09	WSD
Cyclohexane	PPBv	ND	10		04/21/09	WSD
1,2-Dibromoethane	PPBv	ND	10		04/21/09	WSD
1,2-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,3-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,4-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
Dichlorodifluoromethane	PPBv	ND	10		04/21/09	WSD
1,1-Dichloroethane	PPBv	190	10		04/21/09	WSD
1,2-Dichloroethane	PPBv	ND	10		04/21/09	WSD
1,1-Dichloroethylene	PPBv	19	10		04/21/09	WSD
cis-1,2-Dichloroethylene	PPBv	30	10		04/21/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	10		04/21/09	WSD
1,2-Dichloropropane	PPBv	ND	10		04/21/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	10		04/21/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	10		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10		04/21/09	WSD
Ethanol	PPBv	56	10		04/21/09	WSD
Ethyl Acetate	PPBv	ND	20		04/21/09	WSD
Ethylbenzene	PPBv	ND	10		04/21/09	WSD
4-Ethyl Toluene	PPBv	ND	10		04/21/09	WSD
n-Heptane	PPBv	ND	10		04/21/09	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.: 200904907

4/22/2009
 Page 10 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-6-041409

Sample ID : *09B12370 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	20		04/21/09	WSD
Hexane	PPBv	ND	10		04/21/09	WSD
2-Hexanone	PPBv	ND	10		04/21/09	WSD
Isopropanol	PPBv	93	10		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10		04/21/09	WSD
Methylene Chloride	PPBv	220	10		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10		04/21/09	WSD
Propene	PPBv	ND	20		04/21/09	WSD
Styrene	PPBv	ND	10		04/21/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	10		04/21/09	WSD
Tetrachloroethylene	PPBv	44	10		04/21/09	WSD
Tetrahydrofuran	PPBv	45	10		04/21/09	WSD
Toluene	PPBv	ND	10		04/21/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,1,1-Trichloroethane	PPBv	1000	10		04/21/09	WSD
1,1,2-Trichloroethane	PPBv	ND	10		04/21/09	WSD
Trichloroethylene	PPBv	730	10		04/21/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	26	10		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10		04/21/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	10		04/21/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	10		04/21/09	WSD
Vinyl Acetate	PPBv	ND	40		04/21/09	WSD
Vinyl Chloride	PPBv	ND	10		04/21/09	WSD
m/p-Xylene	PPBv	28	20		04/21/09	WSD
o-Xylene	PPBv	ND	10		04/21/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	410	24		04/21/09	WSD
Benzene	ug/m3	ND	32		04/21/09	WSD
Benzyl Chloride	ug/m3	ND	52		04/21/09	WSD
Bromodichloromethane	ug/m3	ND	66		04/21/09	WSD
Bromoform	ug/m3	ND	110		04/21/09	WSD
Bromomethane	ug/m3	ND	38		04/21/09	WSD
1,3-Butadiene	ug/m3	ND	22		04/21/09	WSD
2-Butanone (MEK)	ug/m3	160	30		04/21/09	WSD
Carbon Disulfide	ug/m3	180	32		04/21/09	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.: 200904907

4/22/2009
 Page 11 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-6-041409

Sample ID : *09B12370 ‡Sampled : 4/14/2009
 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	62		04/21/09	WSD
Chlorobenzene	ug/m3	ND	46		04/21/09	WSD
Chlorodibromomethane	ug/m3	ND	86		04/21/09	WSD
Chloroethane	ug/m3	ND	26		04/21/09	WSD
Chloroform	ug/m3	50	48		04/21/09	WSD
Chloromethane	ug/m3	34	20		04/21/09	WSD
Cyclohexane	ug/m3	ND	34		04/21/09	WSD
1,2-Dibromoethane	ug/m3	ND	76		04/21/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
Dichlorodifluoromethane	ug/m3	ND	50		04/21/09	WSD
1,1-Dichloroethane	ug/m3	780	40		04/21/09	WSD
1,2-Dichloroethane	ug/m3	ND	40		04/21/09	WSD
1,1-Dichloroethylene	ug/m3	74	40		04/21/09	WSD
cis-1,2-Dichloroethylene	ug/m3	120	40		04/21/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	40		04/21/09	WSD
1,2-Dichloropropane	ug/m3	ND	46		04/21/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	44		04/21/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	44		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	70		04/21/09	WSD
Ethanol	ug/m3	110	18		04/21/09	WSD
Ethyl Acetate	ug/m3	ND	73		04/21/09	WSD
Ethylbenzene	ug/m3	ND	44		04/21/09	WSD
4-Ethyl Toluene	ug/m3	ND	50		04/21/09	WSD
n-Heptane	ug/m3	ND	40		04/21/09	WSD
Hexachlorobutadiene	ug/m3	ND	220		04/21/09	WSD
Hexane	ug/m3	ND	36		04/21/09	WSD
2-Hexanone	ug/m3	ND	40		04/21/09	WSD
Isopropanol	ug/m3	230	24		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	36		04/21/09	WSD
Methylene Chloride	ug/m3	780	34		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	40		04/21/09	WSD
Propene	ug/m3	ND	35		04/21/09	WSD
Styrene	ug/m3	ND	42		04/21/09	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

Purchase Order No.: 200904907

Project Location: GORHAM SITE, PROVIDENCE, RI.
Date Received: 4/15/2009

4/22/2009
Page 12 of 55

Project Number: 3650080114
LIMS-BAT #: LIMIT-24821
Job Number: 3650080114

Field Sample # : EW-6-041409

Sample ID : *09B12370 ‡Sampled : 4/14/2009
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	68		04/21/09	WSD
Tetrachloroethylene	ug/m3	300	68		04/21/09	WSD
Tetrahydrofuran	ug/m3	130	30		04/21/09	WSD
Toluene	ug/m3	ND	38		04/21/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	74		04/21/09	WSD
1,1,1-Trichloroethane	ug/m3	5600	54		04/21/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	54		04/21/09	WSD
Trichloroethylene	ug/m3	3900	54		04/21/09	WSD
Trichlorofluoromethane	ug/m3	150	56		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	76		04/21/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	50		04/21/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	50		04/21/09	WSD
Vinyl Acetate	ug/m3	ND	150		04/21/09	WSD
Vinyl Chloride	ug/m3	ND	26		04/21/09	WSD
m/p-Xylene	ug/m3	120	86		04/21/09	WSD
o-Xylene	ug/m3	ND	44		04/21/09	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.: 200904907

4/22/2009
 Page 13 of 55
 Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Field Sample #: EW-7-041409

Sample ID: *09B12371 ‡Sampled: 4/14/2009
 Not Specified
 Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.4	1.0		04/21/09	WSD
Benzene	PPBv	ND	1.0		04/21/09	WSD
Benzyl Chloride	PPBv	ND	1.0		04/21/09	WSD
Bromodichloromethane	PPBv	ND	1.0		04/21/09	WSD
Bromoform	PPBv	ND	1.0		04/21/09	WSD
Bromomethane	PPBv	ND	1.0		04/21/09	WSD
1,3-Butadiene	PPBv	ND	1.0		04/21/09	WSD
2-Butanone (MEK)	PPBv	1.5	1.0		04/21/09	WSD
Carbon Disulfide	PPBv	ND	1.0		04/21/09	WSD
Carbon Tetrachloride	PPBv	ND	1.0		04/21/09	WSD
Chlorobenzene	PPBv	ND	1.0		04/21/09	WSD
Chlorodibromomethane	PPBv	ND	1.0		04/21/09	WSD
Chloroethane	PPBv	2.7	1.0		04/21/09	WSD
Chloroform	PPBv	ND	1.0		04/21/09	WSD
Chloromethane	PPBv	ND	1.0		04/21/09	WSD
Cyclohexane	PPBv	ND	1.0		04/21/09	WSD
1,2-Dibromoethane	PPBv	ND	1.0		04/21/09	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		04/21/09	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		04/21/09	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		04/21/09	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		04/21/09	WSD
1,1-Dichloroethane	PPBv	150	1.0		04/21/09	WSD
1,2-Dichloroethane	PPBv	ND	1.0		04/21/09	WSD
1,1-Dichloroethylene	PPBv	ND	1.0		04/21/09	WSD
cis-1,2-Dichloroethylene	PPBv	130	1.0		04/21/09	WSD
t-1,2-Dichloroethylene	PPBv	12	1.0		04/21/09	WSD
1,2-Dichloropropane	PPBv	ND	1.0		04/21/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		04/21/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		04/21/09	WSD
Ethanol	PPBv	ND	2.0		04/21/09	WSD
Ethyl Acetate	PPBv	ND	2.0		04/21/09	WSD
Ethylbenzene	PPBv	ND	1.0		04/21/09	WSD
4-Ethyl Toluene	PPBv	ND	1.0		04/21/09	WSD
n-Heptane	PPBv	ND	1.0		04/21/09	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.: 200904907

4/22/2009
 Page 14 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-7-041409

Sample ID : *09B12371 ‡Sampled : 4/14/2009
 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		04/21/09	WSD
Hexane	PPBv	ND	1.0		04/21/09	WSD
2-Hexanone	PPBv	ND	1.0		04/21/09	WSD
Isopropanol	PPBv	ND	2.0		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	1.0		04/21/09	WSD
Methylene Chloride	PPBv	5.7	1.0		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	1.0		04/21/09	WSD
Propene	PPBv	ND	2.0		04/21/09	WSD
Styrene	PPBv	ND	1.0		04/21/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	1.0		04/21/09	WSD
Tetrachloroethylene	PPBv	5.9	1.0		04/21/09	WSD
Tetrahydrofuran	PPBv	ND	1.0		04/21/09	WSD
Toluene	PPBv	ND	1.0		04/21/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	1.0		04/21/09	WSD
1,1,1-Trichloroethane	PPBv	290	1.0		04/21/09	WSD
1,1,2-Trichloroethane	PPBv	ND	1.0		04/21/09	WSD
Trichloroethylene	PPBv	20	1.0		04/21/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	35	1.0		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	1.0		04/21/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	1.0		04/21/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	1.0		04/21/09	WSD
Vinyl Acetate	PPBv	ND	4.0		04/21/09	WSD
Vinyl Chloride	PPBv	ND	1.0		04/21/09	WSD
m/p-Xylene	PPBv	ND	2.0		04/21/09	WSD
o-Xylene	PPBv	ND	1.0		04/21/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	15	2.4		04/21/09	WSD
Benzene	ug/m3	ND	3.2		04/21/09	WSD
Benzyl Chloride	ug/m3	ND	5.2		04/21/09	WSD
Bromodichloromethane	ug/m3	ND	6.6		04/21/09	WSD
Bromoform	ug/m3	ND	11		04/21/09	WSD
Bromomethane	ug/m3	ND	3.8		04/21/09	WSD
1,3-Butadiene	ug/m3	ND	2.2		04/21/09	WSD
2-Butanone (MEK)	ug/m3	4.5	3.0		04/21/09	WSD
Carbon Disulfide	ug/m3	ND	3.2		04/21/09	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

Purchase Order No.: 200904907

4/22/2009
 Page 15 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-7-041409

Sample ID : *09B12371 ‡Sampled : 4/14/2009
 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		04/21/09	WSD
Chlorobenzene	ug/m3	ND	4.6		04/21/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		04/21/09	WSD
Chloroethane	ug/m3	7.1	2.6		04/21/09	WSD
Chloroform	ug/m3	ND	4.8		04/21/09	WSD
Chloromethane	ug/m3	ND	2.0		04/21/09	WSD
Cyclohexane	ug/m3	ND	3.4		04/21/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		04/21/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		04/21/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		04/21/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		04/21/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		04/21/09	WSD
1,1-Dichloroethane	ug/m3	590	4.0		04/21/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		04/21/09	WSD
1,1-Dichloroethylene	ug/m3	ND	4.0		04/21/09	WSD
cis-1,2-Dichloroethylene	ug/m3	520	4.0		04/21/09	WSD
t-1,2-Dichloroethylene	ug/m3	48	4.0		04/21/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		04/21/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		04/21/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		04/21/09	WSD
Ethanol	ug/m3	ND	3.8		04/21/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		04/21/09	WSD
Ethylbenzene	ug/m3	ND	4.4		04/21/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		04/21/09	WSD
n-Heptane	ug/m3	ND	4.0		04/21/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		04/21/09	WSD
Hexane	ug/m3	ND	3.6		04/21/09	WSD
2-Hexanone	ug/m3	ND	4.0		04/21/09	WSD
Isopropanol	ug/m3	ND	5.0		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		04/21/09	WSD
Methylene Chloride	ug/m3	20	3.4		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		04/21/09	WSD
Propene	ug/m3	ND	3.5		04/21/09	WSD
Styrene	ug/m3	ND	4.2		04/21/09	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

4/22/2009
 Page 16 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-7-041409

Sample ID : *09B12371 ‡Sampled : 4/14/2009
 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		04/21/09	WSD
Tetrachloroethylene	ug/m3	40	6.8		04/21/09	WSD
Tetrahydrofuran	ug/m3	ND	3.0		04/21/09	WSD
Toluene	ug/m3	ND	3.8		04/21/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		04/21/09	WSD
1,1,1-Trichloroethane	ug/m3	1600	5.4		04/21/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		04/21/09	WSD
Trichloroethylene	ug/m3	110	5.4		04/21/09	WSD
Trichlorofluoromethane	ug/m3	190	5.6		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		04/21/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		04/21/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		04/21/09	WSD
Vinyl Acetate	ug/m3	ND	15		04/21/09	WSD
Vinyl Chloride	ug/m3	ND	2.6		04/21/09	WSD
m/p-Xylene	ug/m3	ND	8.6		04/21/09	WSD
o-Xylene	ug/m3	ND	4.4		04/21/09	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.: 200904907

4/22/2009
Page 17 of 55
Project Number: 3650080114
LIMS-BAT #: LIMIT-24821
Job Number: 3650080114

Project Location: GORHAM SITE, PROVIDENCE, RI.
Date Received: 4/15/2009

Field Sample # : EW-COMBINED-041409

Sample ID : *09B12372 ‡Sampled : 4/14/2009
Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	ND	2.0		04/21/09	WSD
Benzene	PPBv	ND	1.0		04/21/09	WSD
Benzyl Chloride	PPBv	ND	1.0		04/21/09	WSD
Bromodichloromethane	PPBv	ND	1.0		04/21/09	WSD
Bromoform	PPBv	ND	1.0		04/21/09	WSD
Bromomethane	PPBv	ND	1.0		04/21/09	WSD
1,3-Butadiene	PPBv	ND	1.0		04/21/09	WSD
2-Butanone (MEK)	PPBv	7.2	1.0		04/21/09	WSD
Carbon Disulfide	PPBv	ND	1.0		04/21/09	WSD
Carbon Tetrachloride	PPBv	ND	1.0		04/21/09	WSD
Chlorobenzene	PPBv	ND	1.0		04/21/09	WSD
Chlorodibromomethane	PPBv	ND	1.0		04/21/09	WSD
Chloroethane	PPBv	16	1.0		04/21/09	WSD
Chloroform	PPBv	ND	1.0		04/21/09	WSD
Chloromethane	PPBv	ND	1.0		04/21/09	WSD
Cyclohexane	PPBv	ND	1.0		04/21/09	WSD
1,2-Dibromoethane	PPBv	ND	1.0		04/21/09	WSD
1,2-Dichlorobenzene	PPBv	ND	1.0		04/21/09	WSD
1,3-Dichlorobenzene	PPBv	ND	1.0		04/21/09	WSD
1,4-Dichlorobenzene	PPBv	ND	1.0		04/21/09	WSD
Dichlorodifluoromethane	PPBv	ND	1.0		04/21/09	WSD
1,1-Dichloroethane	PPBv	97	1.0		04/21/09	WSD
1,2-Dichloroethane	PPBv	ND	1.0		04/21/09	WSD
1,1-Dichloroethylene	PPBv	18	1.0		04/21/09	WSD
cis-1,2-Dichloroethylene	PPBv	76	1.0		04/21/09	WSD
t-1,2-Dichloroethylene	PPBv	1.2	1.0		04/21/09	WSD
1,2-Dichloropropane	PPBv	ND	1.0		04/21/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	1.0		04/21/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	1.0		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	1.0		04/21/09	WSD
Ethanol	PPBv	8.9	1.0		04/21/09	WSD
Ethyl Acetate	PPBv	ND	2.0		04/21/09	WSD
Ethylbenzene	PPBv	ND	1.0		04/21/09	WSD
4-Ethyl Toluene	PPBv	ND	1.0		04/21/09	WSD
n-Heptane	PPBv	ND	1.0		04/21/09	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

4/22/2009
 Page 19 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-COMBINED-041409

Sample ID : *09B12372 ‡Sampled : 4/14/2009
 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		04/21/09	WSD
Chlorobenzene	ug/m3	ND	4.6		04/21/09	WSD
Chlorodibromomethane	ug/m3	ND	8.6		04/21/09	WSD
Chloroethane	ug/m3	42	2.6		04/21/09	WSD
Chloroform	ug/m3	ND	4.8		04/21/09	WSD
Chloromethane	ug/m3	ND	2.0		04/21/09	WSD
Cyclohexane	ug/m3	ND	3.4		04/21/09	WSD
1,2-Dibromoethane	ug/m3	ND	7.6		04/21/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	6.0		04/21/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	6.0		04/21/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	6.0		04/21/09	WSD
Dichlorodifluoromethane	ug/m3	ND	5.0		04/21/09	WSD
1,1-Dichloroethane	ug/m3	390	4.0		04/21/09	WSD
1,2-Dichloroethane	ug/m3	ND	4.0		04/21/09	WSD
1,1-Dichloroethylene	ug/m3	73	4.0		04/21/09	WSD
cis-1,2-Dichloroethylene	ug/m3	300	4.0		04/21/09	WSD
t-1,2-Dichloroethylene	ug/m3	4.6	4.0		04/21/09	WSD
1,2-Dichloropropane	ug/m3	ND	4.6		04/21/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	4.4		04/21/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	4.4		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		04/21/09	WSD
Ethanol	ug/m3	17	1.8		04/21/09	WSD
Ethyl Acetate	ug/m3	ND	7.3		04/21/09	WSD
Ethylbenzene	ug/m3	ND	4.4		04/21/09	WSD
4-Ethyl Toluene	ug/m3	ND	5.0		04/21/09	WSD
n-Heptane	ug/m3	ND	4.0		04/21/09	WSD
Hexachlorobutadiene	ug/m3	ND	22		04/21/09	WSD
Hexane	ug/m3	ND	3.6		04/21/09	WSD
2-Hexanone	ug/m3	ND	4.0		04/21/09	WSD
Isopropanol	ug/m3	ND	5.0		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		04/21/09	WSD
Methylene Chloride	ug/m3	19	3.4		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		04/21/09	WSD
Propene	ug/m3	ND	3.5		04/21/09	WSD
Styrene	ug/m3	ND	4.2		04/21/09	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.: 200904907

4/22/2009
 Page 20 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : EW-COMBINED-041409

Sample ID : *09B12372 ‡Sampled : 4/14/2009
 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		04/21/09	WSD
Tetrachloroethylene	ug/m3	47	6.8		04/21/09	WSD
Tetrahydrofuran	ug/m3	66	3.0		04/21/09	WSD
Toluene	ug/m3	ND	3.8		04/21/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	7.4		04/21/09	WSD
1,1,1-Trichloroethane	ug/m3	3500	5.4		04/21/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	5.4		04/21/09	WSD
Trichloroethylene	ug/m3	1400	5.4		04/21/09	WSD
Trichlorofluoromethane	ug/m3	98	5.6		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	7.6		04/21/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	5.0		04/21/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	5.0		04/21/09	WSD
Vinyl Acetate	ug/m3	ND	15		04/21/09	WSD
Vinyl Chloride	ug/m3	ND	2.6		04/21/09	WSD
m/p-Xylene	ug/m3	ND	8.6		04/21/09	WSD
o-Xylene	ug/m3	ND	4.4		04/21/09	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

4/22/2009
 Page 21 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-1-041409

Sample ID : *09B12361 ‡Sampled : 4/14/2009
 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	0.04		04/20/09	WSD
Benzene	PPBv	0.18	0.04		04/20/09	WSD
Benzyl Chloride	PPBv	ND	0.04		04/20/09	WSD
Bromodichloromethane	PPBv	ND	0.04		04/20/09	WSD
Bromoform	PPBv	ND	0.04		04/20/09	WSD
Bromomethane	PPBv	ND	0.04		04/20/09	WSD
1,3-Butadiene	PPBv	ND	0.04		04/20/09	WSD
2-Butanone (MEK)	PPBv	0.41	0.04		04/20/09	WSD
Carbon Disulfide	PPBv	ND	0.04		04/20/09	WSD
Carbon Tetrachloride	PPBv	0.05	0.04		04/20/09	WSD
Chlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Chlorodibromomethane	PPBv	ND	0.04		04/20/09	WSD
Chloroethane	PPBv	ND	0.04		04/20/09	WSD
Chloroform	PPBv	ND	0.04		04/20/09	WSD
Chloromethane	PPBv	0.53	0.04		04/20/09	WSD
Cyclohexane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dibromoethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Dichlorodifluoromethane	PPBv	0.41	0.04		04/20/09	WSD
1,1-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.15	0.04		04/20/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloropropane	PPBv	ND	0.04		04/20/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.04		04/20/09	WSD
Ethanol	PPBv	2.7	0.04		04/20/09	WSD
Ethyl Acetate	PPBv	ND	0.07		04/20/09	WSD
Ethylbenzene	PPBv	ND	0.04		04/20/09	WSD
4-Ethyl Toluene	PPBv	ND	0.04		04/20/09	WSD
n-Heptane	PPBv	ND	0.04		04/20/09	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

4/22/2009
 Page 22 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-1-041409

Sample ID : *09B12361 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.07		04/20/09	WSD
Hexane	PPBv	0.18	0.04		04/20/09	WSD
2-Hexanone	PPBv	ND	0.04		04/20/09	WSD
Isopropanol	PPBv	ND	0.07		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/20/09	WSD
Methylene Chloride	PPBv	1.0	0.04		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.04		04/20/09	WSD
Propene	PPBv	ND	0.07		04/20/09	WSD
Styrene	PPBv	ND	0.04		04/20/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/20/09	WSD
Tetrachloroethylene	PPBv	0.28	0.04		04/20/09	WSD
Tetrahydrofuran	PPBv	0.08	0.04		04/20/09	WSD
Toluene	PPBv	0.19	0.04		04/20/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,1,1-Trichloroethane	PPBv	0.26	0.04		04/20/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/20/09	WSD
Trichloroethylene	PPBv	0.14	0.04		04/20/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.04		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.04		04/20/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/20/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/20/09	WSD
m/p-Xylene	PPBv	ND	0.07		04/20/09	WSD
o-Xylene	PPBv	ND	0.04		04/20/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	12	0.09		04/20/09	WSD
Benzene	ug/m3	0.56	0.12		04/20/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/20/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/20/09	WSD
Bromoform	ug/m3	ND	0.36		04/20/09	WSD
Bromomethane	ug/m3	ND	0.14		04/20/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/20/09	WSD
2-Butanone (MEK)	ug/m3	1.2	0.11		04/20/09	WSD
Carbon Disulfide	ug/m3	ND	0.12		04/20/09	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.: 200904907

4/22/2009
 Page 23 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-1-041409

Sample ID : *09B12361 ‡Sampled : 4/14/2009
 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	0.31	0.22		04/20/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/20/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/20/09	WSD
Chloroethane	ug/m3	ND	0.10		04/20/09	WSD
Chloroform	ug/m3	ND	0.17		04/20/09	WSD
Chloromethane	ug/m3	1.1	0.07		04/20/09	WSD
Cyclohexane	ug/m3	ND	0.12		04/20/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/20/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.18		04/20/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.60	0.14		04/20/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/20/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/20/09	WSD
Ethanol	ug/m3	5.0	0.07		04/20/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/20/09	WSD
Ethylbenzene	ug/m3	ND	0.16		04/20/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/20/09	WSD
n-Heptane	ug/m3	ND	0.14		04/20/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/20/09	WSD
Hexane	ug/m3	0.65	0.13		04/20/09	WSD
2-Hexanone	ug/m3	ND	0.14		04/20/09	WSD
Isopropanol	ug/m3	ND	0.18		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/20/09	WSD
Methylene Chloride	ug/m3	3.5	0.12		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.14		04/20/09	WSD
Propene	ug/m3	ND	0.13		04/20/09	WSD
Styrene	ug/m3	ND	0.15		04/20/09	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

4/22/2009
 Page 24 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-1-041409

Sample ID : *09B12361 ‡Sampled : 4/14/2009
 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	0.24		04/20/09	WSD
Tetrachloroethylene	ug/m3	1.9	0.24		04/20/09	WSD
Tetrahydrofuran	ug/m3	0.23	0.11		04/20/09	WSD
Toluene	ug/m3	0.72	0.14		04/20/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.26		04/20/09	WSD
1,1,1-Trichloroethane	ug/m3	1.4	0.19		04/20/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.19		04/20/09	WSD
Trichloroethylene	ug/m3	0.74	0.19		04/20/09	WSD
Trichlorofluoromethane	ug/m3	1.2	0.20		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.54	0.27		04/20/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
Vinyl Acetate	ug/m3	ND	0.50		04/20/09	WSD
Vinyl Chloride	ug/m3	ND	0.10		04/20/09	WSD
m/p-Xylene	ug/m3	ND	0.31		04/20/09	WSD
o-Xylene	ug/m3	ND	0.16		04/20/09	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

4/22/2009
 Page 26 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-2-041409

Sample ID : *09B12362 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.07		04/20/09	WSD
Hexane	PPBv	0.20	0.04		04/20/09	WSD
2-Hexanone	PPBv	ND	0.04		04/20/09	WSD
Isopropanol	PPBv	2.3	0.04		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/20/09	WSD
Methylene Chloride	PPBv	1.2	0.04		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.04		04/20/09	WSD
Propene	PPBv	ND	0.07		04/20/09	WSD
Styrene	PPBv	ND	0.04		04/20/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/20/09	WSD
Tetrachloroethylene	PPBv	0.33	0.04		04/20/09	WSD
Tetrahydrofuran	PPBv	0.07	0.04		04/20/09	WSD
Toluene	PPBv	0.27	0.04		04/20/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,1,1-Trichloroethane	PPBv	0.26	0.04		04/20/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/20/09	WSD
Trichloroethylene	PPBv	0.14	0.04		04/20/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.04		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.04		04/20/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/20/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/20/09	WSD
m/p-Xylene	PPBv	0.14	0.07		04/20/09	WSD
o-Xylene	PPBv	0.05	0.04		04/20/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	13	0.09		04/20/09	WSD
Benzene	ug/m3	0.58	0.12		04/20/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/20/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/20/09	WSD
Bromoform	ug/m3	ND	0.36		04/20/09	WSD
Bromomethane	ug/m3	ND	0.14		04/20/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/20/09	WSD
2-Butanone (MEK)	ug/m3	0.95	0.11		04/20/09	WSD
Carbon Disulfide	ug/m3	ND	0.12		04/20/09	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.: 200904907

4/22/2009
 Page 27 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-2-041409

Sample ID : *09B12362 ‡Sampled : 4/14/2009
 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	0.41	0.22		04/20/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/20/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/20/09	WSD
Chloroethane	ug/m3	ND	0.10		04/20/09	WSD
Chloroform	ug/m3	ND	0.17		04/20/09	WSD
Chloromethane	ug/m3	1.1	0.07		04/20/09	WSD
Cyclohexane	ug/m3	ND	0.12		04/20/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/20/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.18		04/20/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.59	0.14		04/20/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/20/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/20/09	WSD
Ethanol	ug/m3	4.9	0.07		04/20/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/20/09	WSD
Ethylbenzene	ug/m3	0.18	0.16		04/20/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/20/09	WSD
n-Heptane	ug/m3	0.15	0.14		04/20/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/20/09	WSD
Hexane	ug/m3	0.72	0.13		04/20/09	WSD
2-Hexanone	ug/m3	ND	0.14		04/20/09	WSD
Isopropanol	ug/m3	5.6	0.09		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/20/09	WSD
Methylene Chloride	ug/m3	4.0	0.12		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.14		04/20/09	WSD
Propene	ug/m3	ND	0.13		04/20/09	WSD
Styrene	ug/m3	ND	0.15		04/20/09	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

4/22/2009
 Page 29 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-3-041409

Sample ID : *09B12363 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.1	0.04		04/20/09	WSD
Benzene	PPBv	0.19	0.04		04/20/09	WSD
Benzyl Chloride	PPBv	ND	0.04		04/20/09	WSD
Bromodichloromethane	PPBv	ND	0.04		04/20/09	WSD
Bromoform	PPBv	ND	0.04		04/20/09	WSD
Bromomethane	PPBv	ND	0.04		04/20/09	WSD
1,3-Butadiene	PPBv	ND	0.04		04/20/09	WSD
2-Butanone (MEK)	PPBv	0.54	0.04		04/20/09	WSD
Carbon Disulfide	PPBv	ND	0.04		04/20/09	WSD
Carbon Tetrachloride	PPBv	ND	0.04		04/20/09	WSD
Chlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Chlorodibromomethane	PPBv	ND	0.04		04/20/09	WSD
Chloroethane	PPBv	ND	0.04		04/20/09	WSD
Chloroform	PPBv	ND	0.04		04/20/09	WSD
Chloromethane	PPBv	0.56	0.04		04/20/09	WSD
Cyclohexane	PPBv	0.04	0.04		04/20/09	WSD
1,2-Dibromoethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Dichlorodifluoromethane	PPBv	0.41	0.04		04/20/09	WSD
1,1-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.15	0.04		04/20/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloropropane	PPBv	ND	0.04		04/20/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.04		04/20/09	WSD
Ethanol	PPBv	2.2	0.04		04/20/09	WSD
Ethyl Acetate	PPBv	ND	0.07		04/20/09	WSD
Ethylbenzene	PPBv	0.04	0.04		04/20/09	WSD
4-Ethyl Toluene	PPBv	ND	0.04		04/20/09	WSD
n-Heptane	PPBv	ND	0.04		04/20/09	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

Purchase Order No.: 200904907

4/22/2009
 Page 30 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-3-041409

Sample ID : *09B12363 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.07		04/20/09	WSD
Hexane	PPBv	0.10	0.04		04/20/09	WSD
2-Hexanone	PPBv	ND	0.04		04/20/09	WSD
Isopropanol	PPBv	ND	0.07		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/20/09	WSD
Methylene Chloride	PPBv	0.34	0.04		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.04		04/20/09	WSD
Propene	PPBv	ND	0.07		04/20/09	WSD
Styrene	PPBv	ND	0.04		04/20/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/20/09	WSD
Tetrachloroethylene	PPBv	0.33	0.04		04/20/09	WSD
Tetrahydrofuran	PPBv	0.08	0.04		04/20/09	WSD
Toluene	PPBv	0.27	0.04		04/20/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,1,1-Trichloroethane	PPBv	0.27	0.04		04/20/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/20/09	WSD
Trichloroethylene	PPBv	0.14	0.04		04/20/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.21	0.04		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.04		04/20/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/20/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/20/09	WSD
m/p-Xylene	PPBv	0.13	0.07		04/20/09	WSD
o-Xylene	PPBv	0.05	0.04		04/20/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	7.5	0.09		04/20/09	WSD
Benzene	ug/m3	0.60	0.12		04/20/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/20/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/20/09	WSD
Bromoform	ug/m3	ND	0.36		04/20/09	WSD
Bromomethane	ug/m3	ND	0.14		04/20/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/20/09	WSD
2-Butanone (MEK)	ug/m3	1.6	0.11		04/20/09	WSD
Carbon Disulfide	ug/m3	ND	0.12		04/20/09	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

4/22/2009
 Page 31 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-3-041409

Sample ID : *09B12363 ‡Sampled : 4/14/2009
 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	0.22		04/20/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/20/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/20/09	WSD
Chloroethane	ug/m3	ND	0.10		04/20/09	WSD
Chloroform	ug/m3	ND	0.17		04/20/09	WSD
Chloromethane	ug/m3	1.2	0.07		04/20/09	WSD
Cyclohexane	ug/m3	0.15	0.12		04/20/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/20/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.18		04/20/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.61	0.14		04/20/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/20/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/20/09	WSD
Ethanol	ug/m3	4.2	0.07		04/20/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/20/09	WSD
Ethylbenzene	ug/m3	0.16	0.16		04/20/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/20/09	WSD
n-Heptane	ug/m3	ND	0.14		04/20/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/20/09	WSD
Hexane	ug/m3	0.37	0.13		04/20/09	WSD
2-Hexanone	ug/m3	ND	0.14		04/20/09	WSD
Isopropanol	ug/m3	ND	0.18		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/20/09	WSD
Methylene Chloride	ug/m3	1.2	0.12		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.14		04/20/09	WSD
Propene	ug/m3	ND	0.13		04/20/09	WSD
Styrene	ug/m3	ND	0.15		04/20/09	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

4/22/2009
 Page 32 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-3-041409

Sample ID : *09B12363 ‡Sampled : 4/14/2009
 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	0.24		04/20/09	WSD
Tetrachloroethylene	ug/m3	2.2	0.24		04/20/09	WSD
Tetrahydrofuran	ug/m3	0.24	0.11		04/20/09	WSD
Toluene	ug/m3	1.00	0.14		04/20/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.26		04/20/09	WSD
1,1,1-Trichloroethane	ug/m3	1.5	0.19		04/20/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.19		04/20/09	WSD
Trichloroethylene	ug/m3	0.77	0.19		04/20/09	WSD
Trichlorofluoromethane	ug/m3	1.2	0.20		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.53	0.27		04/20/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
Vinyl Acetate	ug/m3	ND	0.50		04/20/09	WSD
Vinyl Chloride	ug/m3	ND	0.10		04/20/09	WSD
m/p-Xylene	ug/m3	0.57	0.31		04/20/09	WSD
o-Xylene	ug/m3	0.22	0.16		04/20/09	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

4/22/2009
Page 33 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-24821
Job Number: 3650080114

Field Sample # : IA-4-041409

Sample ID : *09B12364 ‡Sampled : 4/14/2009
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	0.04		04/20/09	WSD
Benzene	PPBv	0.18	0.04		04/20/09	WSD
Benzyl Chloride	PPBv	ND	0.04		04/20/09	WSD
Bromodichloromethane	PPBv	ND	0.04		04/20/09	WSD
Bromoform	PPBv	ND	0.04		04/20/09	WSD
Bromomethane	PPBv	ND	0.04		04/20/09	WSD
1,3-Butadiene	PPBv	ND	0.04		04/20/09	WSD
2-Butanone (MEK)	PPBv	0.37	0.04		04/20/09	WSD
Carbon Disulfide	PPBv	ND	0.04		04/20/09	WSD
Carbon Tetrachloride	PPBv	ND	0.04		04/20/09	WSD
Chlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Chlorodibromomethane	PPBv	ND	0.04		04/20/09	WSD
Chloroethane	PPBv	ND	0.04		04/20/09	WSD
Chloroform	PPBv	ND	0.04		04/20/09	WSD
Chloromethane	PPBv	0.53	0.04		04/20/09	WSD
Cyclohexane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dibromoethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Dichlorodifluoromethane	PPBv	0.42	0.04		04/20/09	WSD
1,1-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.15	0.04		04/20/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloropropane	PPBv	ND	0.04		04/20/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.04		04/20/09	WSD
Ethanol	PPBv	2.8	0.04		04/20/09	WSD
Ethyl Acetate	PPBv	ND	0.07		04/20/09	WSD
Ethylbenzene	PPBv	0.04	0.04		04/20/09	WSD
4-Ethyl Toluene	PPBv	ND	0.04		04/20/09	WSD
n-Heptane	PPBv	ND	0.04		04/20/09	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

4/22/2009
 Page 34 of 55

Purchase Order No.: 200904907

Project Number: 3650080114

Project Location: GORHAM SITE, PROVIDENCE, RI.

LIMS-BAT #: LIMIT-24821

Date Received: 4/15/2009

Job Number: 3650080114

Field Sample # : IA-4-041409

Sample ID : *09B12364 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.07		04/20/09	WSD
Hexane	PPBv	0.12	0.04		04/20/09	WSD
2-Hexanone	PPBv	ND	0.04		04/20/09	WSD
Isopropanol	PPBv	ND	0.07		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/20/09	WSD
Methylene Chloride	PPBv	0.54	0.04		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.04		04/20/09	WSD
Propene	PPBv	ND	0.07		04/20/09	WSD
Styrene	PPBv	ND	0.04		04/20/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/20/09	WSD
Tetrachloroethylene	PPBv	0.35	0.04		04/20/09	WSD
Tetrahydrofuran	PPBv	0.07	0.04		04/20/09	WSD
Toluene	PPBv	0.27	0.04		04/20/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,1,1-Trichloroethane	PPBv	0.28	0.04		04/20/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/20/09	WSD
Trichloroethylene	PPBv	0.15	0.04		04/20/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.04		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.04		04/20/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/20/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/20/09	WSD
m/p-Xylene	PPBv	0.13	0.07		04/20/09	WSD
o-Xylene	PPBv	0.05	0.04		04/20/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	7.9	0.09		04/20/09	WSD
Benzene	ug/m3	0.59	0.12		04/20/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/20/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/20/09	WSD
Bromoform	ug/m3	ND	0.36		04/20/09	WSD
Bromomethane	ug/m3	ND	0.14		04/20/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/20/09	WSD
2-Butanone (MEK)	ug/m3	1.1	0.11		04/20/09	WSD
Carbon Disulfide	ug/m3	ND	0.12		04/20/09	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

4/22/2009
 Page 35 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-4-041409

Sample ID : *09B12364 ‡Sampled : 4/14/2009
 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	0.22		04/20/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/20/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/20/09	WSD
Chloroethane	ug/m3	ND	0.10		04/20/09	WSD
Chloroform	ug/m3	ND	0.17		04/20/09	WSD
Chloromethane	ug/m3	1.1	0.07		04/20/09	WSD
Cyclohexane	ug/m3	ND	0.12		04/20/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/20/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
Dichlorodifluoromethane	ug/m3	2.1	0.18		04/20/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.61	0.14		04/20/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/20/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/20/09	WSD
Ethanol	ug/m3	5.2	0.07		04/20/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/20/09	WSD
Ethylbenzene	ug/m3	0.16	0.16		04/20/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/20/09	WSD
n-Heptane	ug/m3	ND	0.14		04/20/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/20/09	WSD
Hexane	ug/m3	0.43	0.13		04/20/09	WSD
2-Hexanone	ug/m3	ND	0.14		04/20/09	WSD
Isopropanol	ug/m3	ND	0.18		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/20/09	WSD
Methylene Chloride	ug/m3	1.9	0.12		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.14		04/20/09	WSD
Propene	ug/m3	ND	0.13		04/20/09	WSD
Styrene	ug/m3	ND	0.15		04/20/09	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

Purchase Order No.: 200904907

Project Location: GORHAM SITE, PROVIDENCE, RI.

Date Received: 4/15/2009

4/22/2009

Page 36 of 55

Project Number: 3650080114

LIMS-BAT #: LIMIT-24821

Job Number: 3650080114

Field Sample # : IA-4-041409

Sample ID : *09B12364

‡Sampled : 4/14/2009

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	0.24		04/20/09	WSD
Tetrachloroethylene	ug/m3	2.4	0.24		04/20/09	WSD
Tetrahydrofuran	ug/m3	0.21	0.11		04/20/09	WSD
Toluene	ug/m3	1.0	0.14		04/20/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.26		04/20/09	WSD
1,1,1-Trichloroethane	ug/m3	1.5	0.19		04/20/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.19		04/20/09	WSD
Trichloroethylene	ug/m3	0.78	0.19		04/20/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.20		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.54	0.27		04/20/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
Vinyl Acetate	ug/m3	ND	0.50		04/20/09	WSD
Vinyl Chloride	ug/m3	ND	0.10		04/20/09	WSD
m/p-Xylene	ug/m3	0.58	0.31		04/20/09	WSD
o-Xylene	ug/m3	0.22	0.16		04/20/09	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

4/22/2009
 Page 37 of 55

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Field Sample # : IA-5-041409

Sample ID : *09B12365 ‡Sampled : 4/14/2009
 Not Specified
 Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	6.1	0.04		04/20/09	WSD
Benzene	PPBv	0.19	0.04		04/20/09	WSD
Benzyl Chloride	PPBv	ND	0.04		04/20/09	WSD
Bromodichloromethane	PPBv	ND	0.04		04/20/09	WSD
Bromoform	PPBv	ND	0.04		04/20/09	WSD
Bromomethane	PPBv	ND	0.04		04/20/09	WSD
1,3-Butadiene	PPBv	ND	0.04		04/20/09	WSD
2-Butanone (MEK)	PPBv	1.3	0.04		04/20/09	WSD
Carbon Disulfide	PPBv	ND	0.04		04/20/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.04		04/20/09	WSD
Chlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Chlorodibromomethane	PPBv	ND	0.04		04/20/09	WSD
Chloroethane	PPBv	ND	0.04		04/20/09	WSD
Chloroform	PPBv	ND	0.04		04/20/09	WSD
Chloromethane	PPBv	0.55	0.04		04/20/09	WSD
Cyclohexane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dibromoethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Dichlorodifluoromethane	PPBv	0.39	0.04		04/20/09	WSD
1,1-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloropropane	PPBv	ND	0.04		04/20/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.04		04/20/09	WSD
Ethanol	PPBv	22	0.04		04/20/09	WSD
Ethyl Acetate	PPBv	ND	0.07		04/20/09	WSD
Ethylbenzene	PPBv	0.06	0.04		04/20/09	WSD
4-Ethyl Toluene	PPBv	ND	0.04		04/20/09	WSD
n-Heptane	PPBv	0.06	0.04		04/20/09	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

Purchase Order No.: 200904907

4/22/2009
 Page 38 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-5-041409

Sample ID : *09B12365 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
				EPA TO-15		
to-15 ppbv						
Hexachlorobutadiene	PPBv	ND	0.07		04/20/09	WSD
Hexane	PPBv	0.20	0.04		04/20/09	WSD
2-Hexanone	PPBv	0.12	0.04		04/20/09	WSD
Isopropanol	PPBv	0.68	0.04		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/20/09	WSD
Methylene Chloride	PPBv	0.71	0.04		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	0.04	0.04		04/20/09	WSD
Propene	PPBv	ND	0.07		04/20/09	WSD
Styrene	PPBv	ND	0.04		04/20/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/20/09	WSD
Tetrachloroethylene	PPBv	ND	0.04		04/20/09	WSD
Tetrahydrofuran	PPBv	ND	0.04		04/20/09	WSD
Toluene	PPBv	0.41	0.04		04/20/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,1,1-Trichloroethane	PPBv	0.18	0.04		04/20/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/20/09	WSD
Trichloroethylene	PPBv	0.04	0.04		04/20/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.04		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.04		04/20/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.04	0.04		04/20/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/20/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/20/09	WSD
m/p-Xylene	PPBv	0.16	0.07		04/20/09	WSD
o-Xylene	PPBv	0.05	0.04		04/20/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	14	0.09		04/20/09	WSD
Benzene	ug/m3	0.62	0.12		04/20/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/20/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/20/09	WSD
Bromoform	ug/m3	ND	0.36		04/20/09	WSD
Bromomethane	ug/m3	ND	0.14		04/20/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/20/09	WSD
2-Butanone (MEK)	ug/m3	3.8	0.11		04/20/09	WSD
Carbon Disulfide	ug/m3	ND	0.12		04/20/09	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

4/22/2009
 Page 39 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-5-041409

Sample ID : *09B12365 ‡Sampled : 4/14/2009
 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	0.22		04/20/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/20/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/20/09	WSD
Chloroethane	ug/m3	ND	0.10		04/20/09	WSD
Chloroform	ug/m3	ND	0.17		04/20/09	WSD
Chloromethane	ug/m3	1.1	0.07		04/20/09	WSD
Cyclohexane	ug/m3	ND	0.12		04/20/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/20/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
Dichlorodifluoromethane	ug/m3	1.9	0.18		04/20/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/20/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/20/09	WSD
Ethanol	ug/m3	41	0.07		04/20/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/20/09	WSD
Ethylbenzene	ug/m3	0.24	0.16		04/20/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/20/09	WSD
n-Heptane	ug/m3	0.23	0.14		04/20/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/20/09	WSD
Hexane	ug/m3	0.71	0.13		04/20/09	WSD
2-Hexanone	ug/m3	0.47	0.14		04/20/09	WSD
Isopropanol	ug/m3	1.7	0.09		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/20/09	WSD
Methylene Chloride	ug/m3	2.5	0.12		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.18	0.14		04/20/09	WSD
Propene	ug/m3	ND	0.13		04/20/09	WSD
Styrene	ug/m3	ND	0.15		04/20/09	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

4/22/2009
 Page 40 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-5-041409

Sample ID : *09B12365 ‡Sampled : 4/14/2009
 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	0.24		04/20/09	WSD
Tetrachloroethylene	ug/m3	ND	0.24		04/20/09	WSD
Tetrahydrofuran	ug/m3	ND	0.11		04/20/09	WSD
Toluene	ug/m3	1.5	0.14		04/20/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.26		04/20/09	WSD
1,1,1-Trichloroethane	ug/m3	0.98	0.19		04/20/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.19		04/20/09	WSD
Trichloroethylene	ug/m3	0.22	0.19		04/20/09	WSD
Trichlorofluoromethane	ug/m3	1.2	0.20		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.53	0.27		04/20/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.20	0.18		04/20/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
Vinyl Acetate	ug/m3	ND	0.50		04/20/09	WSD
Vinyl Chloride	ug/m3	ND	0.10		04/20/09	WSD
m/p-Xylene	ug/m3	0.68	0.31		04/20/09	WSD
o-Xylene	ug/m3	0.23	0.16		04/20/09	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.: 200904907

4/22/2009
 Page 41 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-6-041409

Sample ID : *09B12366 ‡Sampled : 4/14/2009
 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	0.04		04/20/09	WSD
Benzene	PPBv	0.19	0.04		04/20/09	WSD
Benzyl Chloride	PPBv	ND	0.04		04/20/09	WSD
Bromodichloromethane	PPBv	ND	0.04		04/20/09	WSD
Bromoform	PPBv	ND	0.04		04/20/09	WSD
Bromomethane	PPBv	ND	0.04		04/20/09	WSD
1,3-Butadiene	PPBv	ND	0.04		04/20/09	WSD
2-Butanone (MEK)	PPBv	0.35	0.04		04/20/09	WSD
Carbon Disulfide	PPBv	ND	0.04		04/20/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.04		04/20/09	WSD
Chlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Chlorodibromomethane	PPBv	ND	0.04		04/20/09	WSD
Chloroethane	PPBv	ND	0.04		04/20/09	WSD
Chloroform	PPBv	ND	0.04		04/20/09	WSD
Chloromethane	PPBv	0.53	0.04		04/20/09	WSD
Cyclohexane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dibromoethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
Dichlorodifluoromethane	PPBv	0.40	0.04		04/20/09	WSD
1,1-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloroethane	PPBv	ND	0.04		04/20/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
cis-1,2-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichloropropane	PPBv	ND	0.04		04/20/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.04		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.04		04/20/09	WSD
Ethanol	PPBv	4.6	0.04		04/20/09	WSD
Ethyl Acetate	PPBv	ND	0.07		04/20/09	WSD
Ethylbenzene	PPBv	0.05	0.04		04/20/09	WSD
4-Ethyl Toluene	PPBv	ND	0.04		04/20/09	WSD
n-Heptane	PPBv	0.05	0.04		04/20/09	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

Purchase Order No.: 200904907

4/22/2009
 Page 42 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-6-041409

Sample ID : *09B12366 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.07		04/20/09	WSD
Hexane	PPBv	0.18	0.04		04/20/09	WSD
2-Hexanone	PPBv	ND	0.04		04/20/09	WSD
Isopropanol	PPBv	ND	0.07		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/20/09	WSD
Methylene Chloride	PPBv	0.58	0.04		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.04		04/20/09	WSD
Propene	PPBv	ND	0.07		04/20/09	WSD
Styrene	PPBv	ND	0.04		04/20/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/20/09	WSD
Tetrachloroethylene	PPBv	0.11	0.04		04/20/09	WSD
Tetrahydrofuran	PPBv	0.07	0.04		04/20/09	WSD
Toluene	PPBv	0.34	0.04		04/20/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/20/09	WSD
1,1,1-Trichloroethane	PPBv	0.30	0.04		04/20/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/20/09	WSD
Trichloroethylene	PPBv	0.11	0.04		04/20/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.25	0.04		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.04		04/20/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/20/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/20/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/20/09	WSD
m/p-Xylene	PPBv	0.12	0.07		04/20/09	WSD
o-Xylene	PPBv	0.04	0.04		04/20/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	6.1	0.09		04/20/09	WSD
Benzene	ug/m3	0.59	0.12		04/20/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/20/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/20/09	WSD
Bromoform	ug/m3	ND	0.36		04/20/09	WSD
Bromomethane	ug/m3	ND	0.14		04/20/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/20/09	WSD
2-Butanone (MEK)	ug/m3	1.0	0.11		04/20/09	WSD
Carbon Disulfide	ug/m3	ND	0.12		04/20/09	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

4/22/2009
 Page 43 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-6-041409

Sample ID : *09B12366 ‡Sampled : 4/14/2009
 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	0.42	0.22		04/20/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/20/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/20/09	WSD
Chloroethane	ug/m3	ND	0.10		04/20/09	WSD
Chloroform	ug/m3	ND	0.17		04/20/09	WSD
Chloromethane	ug/m3	1.1	0.07		04/20/09	WSD
Cyclohexane	ug/m3	ND	0.12		04/20/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/20/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/20/09	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.18		04/20/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/20/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/20/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/20/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/20/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/20/09	WSD
Ethanol	ug/m3	8.6	0.07		04/20/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/20/09	WSD
Ethylbenzene	ug/m3	0.21	0.16		04/20/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/20/09	WSD
n-Heptane	ug/m3	0.21	0.14		04/20/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/20/09	WSD
Hexane	ug/m3	0.63	0.13		04/20/09	WSD
2-Hexanone	ug/m3	ND	0.14		04/20/09	WSD
Isopropanol	ug/m3	ND	0.18		04/20/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/20/09	WSD
Methylene Chloride	ug/m3	2.0	0.12		04/20/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.14		04/20/09	WSD
Propene	ug/m3	ND	0.13		04/20/09	WSD
Styrene	ug/m3	ND	0.15		04/20/09	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.: 200904907

4/22/2009
 Page 44 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-6-041409

Sample ID : *09B12366 ‡Sampled : 4/14/2009
 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	0.24		04/20/09	WSD
Tetrachloroethylene	ug/m3	0.72	0.24		04/20/09	WSD
Tetrahydrofuran	ug/m3	0.22	0.11		04/20/09	WSD
Toluene	ug/m3	1.3	0.14		04/20/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.26		04/20/09	WSD
1,1,1-Trichloroethane	ug/m3	1.6	0.19		04/20/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.19		04/20/09	WSD
Trichloroethylene	ug/m3	0.60	0.19		04/20/09	WSD
Trichlorofluoromethane	ug/m3	1.4	0.20		04/20/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.53	0.27		04/20/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.18		04/20/09	WSD
Vinyl Acetate	ug/m3	ND	0.50		04/20/09	WSD
Vinyl Chloride	ug/m3	ND	0.10		04/20/09	WSD
m/p-Xylene	ug/m3	0.51	0.31		04/20/09	WSD
o-Xylene	ug/m3	0.19	0.16		04/20/09	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

4/22/2009
Page 45 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-24821
Job Number: 3650080114

Field Sample # : IA-7-041409

Sample ID : *09B12367 ‡Sampled : 4/14/2009
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	0.04		04/21/09	WSD
Benzene	PPBv	0.13	0.04		04/21/09	WSD
Benzyl Chloride	PPBv	ND	0.04		04/21/09	WSD
Bromodichloromethane	PPBv	ND	0.04		04/21/09	WSD
Bromoform	PPBv	ND	0.04		04/21/09	WSD
Bromomethane	PPBv	ND	0.04		04/21/09	WSD
1,3-Butadiene	PPBv	ND	0.04		04/21/09	WSD
2-Butanone (MEK)	PPBv	0.43	0.04		04/21/09	WSD
Carbon Disulfide	PPBv	0.08	0.04		04/21/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.04		04/21/09	WSD
Chlorobenzene	PPBv	ND	0.04		04/21/09	WSD
Chlorodibromomethane	PPBv	ND	0.04		04/21/09	WSD
Chloroethane	PPBv	ND	0.04		04/21/09	WSD
Chloroform	PPBv	ND	0.04		04/21/09	WSD
Chloromethane	PPBv	0.54	0.04		04/21/09	WSD
Cyclohexane	PPBv	ND	0.04		04/21/09	WSD
1,2-Dibromoethane	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
Dichlorodifluoromethane	PPBv	0.40	0.04		04/21/09	WSD
1,1-Dichloroethane	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichloroethane	PPBv	ND	0.04		04/21/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.04		04/21/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.04	0.04		04/21/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichloropropane	PPBv	ND	0.04		04/21/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.04		04/21/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.04		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.04		04/21/09	WSD
Ethanol	PPBv	3.7	0.04		04/21/09	WSD
Ethyl Acetate	PPBv	ND	0.07		04/21/09	WSD
Ethylbenzene	PPBv	ND	0.04		04/21/09	WSD
4-Ethyl Toluene	PPBv	ND	0.04		04/21/09	WSD
n-Heptane	PPBv	0.04	0.04		04/21/09	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

4/22/2009
 Page 46 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-7-041409

Sample ID : *09B12367 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	0.07		04/21/09	WSD
Hexane	PPBv	0.20	0.04		04/21/09	WSD
2-Hexanone	PPBv	ND	0.04		04/21/09	WSD
Isopropanol	PPBv	ND	0.07		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.04		04/21/09	WSD
Methylene Chloride	PPBv	1.2	0.04		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.04		04/21/09	WSD
Propene	PPBv	ND	0.07		04/21/09	WSD
Styrene	PPBv	ND	0.04		04/21/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.04		04/21/09	WSD
Tetrachloroethylene	PPBv	0.07	0.04		04/21/09	WSD
Tetrahydrofuran	PPBv	0.09	0.04		04/21/09	WSD
Toluene	PPBv	0.13	0.04		04/21/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.04		04/21/09	WSD
1,1,1-Trichloroethane	PPBv	0.16	0.04		04/21/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.04		04/21/09	WSD
Trichloroethylene	PPBv	0.06	0.04		04/21/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.04		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.07	0.04		04/21/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.04		04/21/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.04		04/21/09	WSD
Vinyl Acetate	PPBv	ND	0.14		04/21/09	WSD
Vinyl Chloride	PPBv	ND	0.04		04/21/09	WSD
m/p-Xylene	PPBv	ND	0.07		04/21/09	WSD
o-Xylene	PPBv	ND	0.04		04/21/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	6.5	0.09		04/21/09	WSD
Benzene	ug/m3	0.42	0.12		04/21/09	WSD
Benzyl Chloride	ug/m3	ND	0.19		04/21/09	WSD
Bromodichloromethane	ug/m3	ND	0.24		04/21/09	WSD
Bromoform	ug/m3	ND	0.36		04/21/09	WSD
Bromomethane	ug/m3	ND	0.14		04/21/09	WSD
1,3-Butadiene	ug/m3	ND	0.08		04/21/09	WSD
2-Butanone (MEK)	ug/m3	1.3	0.11		04/21/09	WSD
Carbon Disulfide	ug/m3	0.26	0.12		04/21/09	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

Purchase Order No.: 200904907

4/22/2009
 Page 47 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-7-041409

Sample ID : *09B12367 ‡Sampled : 4/14/2009
 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	0.22		04/21/09	WSD
Chlorobenzene	ug/m3	ND	0.17		04/21/09	WSD
Chlorodibromomethane	ug/m3	ND	0.31		04/21/09	WSD
Chloroethane	ug/m3	ND	0.10		04/21/09	WSD
Chloroform	ug/m3	ND	0.17		04/21/09	WSD
Chloromethane	ug/m3	1.1	0.07		04/21/09	WSD
Cyclohexane	ug/m3	ND	0.12		04/21/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.27		04/21/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.21		04/21/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.21		04/21/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.21		04/21/09	WSD
Dichlorodifluoromethane	ug/m3	2.0	0.18		04/21/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.14		04/21/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.14		04/21/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.14		04/21/09	WSD
cis-1,2-Dichloroethylene	ug/m3	0.14	0.14		04/21/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.14		04/21/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.17		04/21/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.16		04/21/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.16		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.25		04/21/09	WSD
Ethanol	ug/m3	7.1	0.07		04/21/09	WSD
Ethyl Acetate	ug/m3	ND	0.26		04/21/09	WSD
Ethylbenzene	ug/m3	ND	0.16		04/21/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.18		04/21/09	WSD
n-Heptane	ug/m3	0.17	0.14		04/21/09	WSD
Hexachlorobutadiene	ug/m3	ND	0.75		04/21/09	WSD
Hexane	ug/m3	0.69	0.13		04/21/09	WSD
2-Hexanone	ug/m3	ND	0.14		04/21/09	WSD
Isopropanol	ug/m3	ND	0.18		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.13		04/21/09	WSD
Methylene Chloride	ug/m3	4.2	0.12		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.14		04/21/09	WSD
Propene	ug/m3	ND	0.13		04/21/09	WSD
Styrene	ug/m3	ND	0.15		04/21/09	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

4/22/2009
 Page 48 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : IA-7-041409

Sample ID : *09B12367 ‡Sampled : 4/14/2009
 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	0.24		04/21/09	WSD
Tetrachloroethylene	ug/m3	0.48	0.24		04/21/09	WSD
Tetrahydrofuran	ug/m3	0.27	0.11		04/21/09	WSD
Toluene	ug/m3	0.48	0.14		04/21/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.26		04/21/09	WSD
1,1,1-Trichloroethane	ug/m3	0.87	0.19		04/21/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.19		04/21/09	WSD
Trichloroethylene	ug/m3	0.30	0.19		04/21/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.20		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.54	0.27		04/21/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.18		04/21/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.18		04/21/09	WSD
Vinyl Acetate	ug/m3	ND	0.50		04/21/09	WSD
Vinyl Chloride	ug/m3	ND	0.10		04/21/09	WSD
m/p-Xylene	ug/m3	ND	0.31		04/21/09	WSD
o-Xylene	ug/m3	ND	0.16		04/21/09	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

4/22/2009
 Page 49 of 55

Purchase Order No.: 200904907
 Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : POST CARBON-041409

Sample ID : *09B12373 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	180	10		04/21/09	WSD
Benzene	PPBv	ND	10		04/21/09	WSD
Benzyl Chloride	PPBv	ND	10		04/21/09	WSD
Bromodichloromethane	PPBv	ND	10		04/21/09	WSD
Bromoform	PPBv	ND	10		04/21/09	WSD
Bromomethane	PPBv	ND	10		04/21/09	WSD
1,3-Butadiene	PPBv	ND	10		04/21/09	WSD
2-Butanone (MEK)	PPBv	110	10		04/21/09	WSD
Carbon Disulfide	PPBv	81	10		04/21/09	WSD
Carbon Tetrachloride	PPBv	ND	10		04/21/09	WSD
Chlorobenzene	PPBv	ND	10		04/21/09	WSD
Chlorodibromomethane	PPBv	ND	10		04/21/09	WSD
Chloroethane	PPBv	24	10		04/21/09	WSD
Chloroform	PPBv	ND	10		04/21/09	WSD
Chloromethane	PPBv	11	10		04/21/09	WSD
Cyclohexane	PPBv	ND	10		04/21/09	WSD
1,2-Dibromoethane	PPBv	ND	10		04/21/09	WSD
1,2-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,3-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,4-Dichlorobenzene	PPBv	ND	10		04/21/09	WSD
Dichlorodifluoromethane	PPBv	ND	10		04/21/09	WSD
1,1-Dichloroethane	PPBv	120	10		04/21/09	WSD
1,2-Dichloroethane	PPBv	ND	10		04/21/09	WSD
1,1-Dichloroethylene	PPBv	24	10		04/21/09	WSD
cis-1,2-Dichloroethylene	PPBv	210	10		04/21/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	10		04/21/09	WSD
1,2-Dichloropropane	PPBv	ND	10		04/21/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	10		04/21/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	10		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	10		04/21/09	WSD
Ethanol	PPBv	57	10		04/21/09	WSD
Ethyl Acetate	PPBv	ND	20		04/21/09	WSD
Ethylbenzene	PPBv	ND	10		04/21/09	WSD
4-Ethyl Toluene	PPBv	ND	10		04/21/09	WSD
n-Heptane	PPBv	ND	10		04/21/09	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.: 200904907

4/22/2009
 Page 50 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : POST CARBON-041409

Sample ID : *09B12373 ‡Sampled : 4/14/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	20		04/21/09	WSD
Hexane	PPBv	ND	10		04/21/09	WSD
2-Hexanone	PPBv	3300	10		04/21/09	WSD
Isopropanol	PPBv	120	10		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	10		04/21/09	WSD
Methylene Chloride	PPBv	230	10		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	10		04/21/09	WSD
Propene	PPBv	ND	20		04/21/09	WSD
Styrene	PPBv	ND	10		04/21/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	10		04/21/09	WSD
Tetrachloroethylene	PPBv	ND	10		04/21/09	WSD
Tetrahydrofuran	PPBv	71	10		04/21/09	WSD
Toluene	PPBv	ND	10		04/21/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	10		04/21/09	WSD
1,1,1-Trichloroethane	PPBv	2400	10		04/21/09	WSD
1,1,2-Trichloroethane	PPBv	ND	10		04/21/09	WSD
Trichloroethylene	PPBv	ND	10		04/21/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	15	10		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	10		04/21/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	10		04/21/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	10		04/21/09	WSD
Vinyl Acetate	PPBv	ND	40		04/21/09	WSD
Vinyl Chloride	PPBv	ND	10		04/21/09	WSD
m/p-Xylene	PPBv	ND	20		04/21/09	WSD
o-Xylene	PPBv	ND	10		04/21/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	430	24		04/21/09	WSD
Benzene	ug/m3	ND	32		04/21/09	WSD
Benzyl Chloride	ug/m3	ND	52		04/21/09	WSD
Bromodichloromethane	ug/m3	ND	66		04/21/09	WSD
Bromoform	ug/m3	ND	110		04/21/09	WSD
Bromomethane	ug/m3	ND	38		04/21/09	WSD
1,3-Butadiene	ug/m3	ND	22		04/21/09	WSD
2-Butanone (MEK)	ug/m3	330	30		04/21/09	WSD
Carbon Disulfide	ug/m3	250	32		04/21/09	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.: 200904907

Project Location: GORHAM SITE, PROVIDENCE, RI.

Date Received: 4/15/2009

4/22/2009

Page 51 of 55

Project Number: 3650080114

LIMS-BAT #: LIMIT-24821

Job Number: 3650080114

Field Sample # : POST CARBON-041409
Sample ID : *09B12373

‡Sampled : 4/14/2009

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	62		04/21/09	WSD
Chlorobenzene	ug/m3	ND	46		04/21/09	WSD
Chlorodibromomethane	ug/m3	ND	86		04/21/09	WSD
Chloroethane	ug/m3	64	26		04/21/09	WSD
Chloroform	ug/m3	ND	48		04/21/09	WSD
Chloromethane	ug/m3	23	20		04/21/09	WSD
Cyclohexane	ug/m3	ND	34		04/21/09	WSD
1,2-Dibromoethane	ug/m3	ND	76		04/21/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	60		04/21/09	WSD
Dichlorodifluoromethane	ug/m3	ND	50		04/21/09	WSD
1,1-Dichloroethane	ug/m3	490	40		04/21/09	WSD
1,2-Dichloroethane	ug/m3	ND	40		04/21/09	WSD
1,1-Dichloroethylene	ug/m3	96	40		04/21/09	WSD
cis-1,2-Dichloroethylene	ug/m3	820	40		04/21/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	40		04/21/09	WSD
1,2-Dichloropropane	ug/m3	ND	46		04/21/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	44		04/21/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	44		04/21/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	70		04/21/09	WSD
Ethanol	ug/m3	110	18		04/21/09	WSD
Ethyl Acetate	ug/m3	ND	73		04/21/09	WSD
Ethylbenzene	ug/m3	ND	44		04/21/09	WSD
4-Ethyl Toluene	ug/m3	ND	50		04/21/09	WSD
n-Heptane	ug/m3	ND	40		04/21/09	WSD
Hexachlorobutadiene	ug/m3	ND	220		04/21/09	WSD
Hexane	ug/m3	ND	36		04/21/09	WSD
2-Hexanone	ug/m3	13000	40		04/21/09	WSD
Isopropanol	ug/m3	290	24		04/21/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	36		04/21/09	WSD
Methylene Chloride	ug/m3	810	34		04/21/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	40		04/21/09	WSD
Propene	ug/m3	ND	35		04/21/09	WSD
Styrene	ug/m3	ND	42		04/21/09	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

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Purchase Order No.: 200904907

4/22/2009
 Page 52 of 55
 Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Field Sample # : POST CARBON-041409

Sample ID : *09B12373 ‡Sampled : 4/14/2009
 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	68		04/21/09	WSD
Tetrachloroethylene	ug/m3	ND	68		04/21/09	WSD
Tetrahydrofuran	ug/m3	210	30		04/21/09	WSD
Toluene	ug/m3	ND	38		04/21/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	74		04/21/09	WSD
1,1,1-Trichloroethane	ug/m3	13000	54		04/21/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	54		04/21/09	WSD
Trichloroethylene	ug/m3	ND	54		04/21/09	WSD
Trichlorofluoromethane	ug/m3	84	56		04/21/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	76		04/21/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	50		04/21/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	50		04/21/09	WSD
Vinyl Acetate	ug/m3	ND	150		04/21/09	WSD
Vinyl Chloride	ug/m3	ND	26		04/21/09	WSD
m/p-Xylene	ug/m3	ND	86		04/21/09	WSD
o-Xylene	ug/m3	ND	44		04/21/09	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.: 200904907

4/22/2009
 Page 53 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

The following notes were attached to the reported analysis :

Sample ID: * 09B12361

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results		
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.	
Blank-132116	Reporting Limit		Sample Results		
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	0.046	0.31	N.D.	N.D.	
Lfblank-94385	True Value		Sample Results		Recovery %
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	1.82	12.5	1.64	11.2	90

Sample ID: * 09B12362

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.

Sample ID: * 09B12363

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.

Sample ID: * 09B12364

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.

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.: 200904907

4/22/2009
 Page 54 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Sample ID: * 09B12365

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.

Sample ID: * 09B12366

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.

Sample ID: * 09B12367

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.

Sample ID: * 09B12368

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.

Sample ID: * 09B12369

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	18	130	N.D.	N.D.

Sample ID: * 09B12370

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	18	130	N.D.	N.D.

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.: 200904907

4/22/2009
 Page 55 of 55

Project Location: GORHAM SITE, PROVIDENCE, RI.
 Date Received: 4/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-24821
 Job Number: 3650080114

Sample ID: * 09B12371
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B12372
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	1.8	13	N.D.	N.D.

Sample ID: * 09B12373
 Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	18	130	N.D.	N.D.

** 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



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

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: 4/22/2009

Lims Bat # : LIMIT-24821

Page 1 of 8

QC Batch Number: BATCH-16504

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B12361	4-Bromofluorobenzene	Surrogate Recovery	89.00	%	70-130
09B12362	4-Bromofluorobenzene	Surrogate Recovery	89.25	%	70-130
09B12363	4-Bromofluorobenzene	Surrogate Recovery	89.12	%	70-130
09B12364	4-Bromofluorobenzene	Surrogate Recovery	88.12	%	70-130
09B12365	4-Bromofluorobenzene	Surrogate Recovery	88.75	%	70-130
09B12366	4-Bromofluorobenzene	Surrogate Recovery	88.87	%	70-130
09B12367	4-Bromofluorobenzene	Surrogate Recovery	88.87	%	70-130
09B12368	4-Bromofluorobenzene	Surrogate Recovery	88.62	%	70-130
09B12369	4-Bromofluorobenzene	Surrogate Recovery	89.50	%	70-130
09B12370	4-Bromofluorobenzene	Surrogate Recovery	90.00	%	70-130
09B12371	4-Bromofluorobenzene	Surrogate Recovery	87.87	%	70-130
09B12372	4-Bromofluorobenzene	Surrogate Recovery	87.75	%	70-130
09B12373	4-Bromofluorobenzene	Surrogate Recovery	88.87	%	70-130
BLANK-132116	Acetone	Blank	0.28	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	<0.19	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	



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

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: 4/22/2009

Lims Bat # : LIMIT-24821

Page 2 of 8

QC Batch Number: BATCH-16504

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-132116					
	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	0.52	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	0.44	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	<0.19	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	<0.09	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	



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

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: 4/22/2009

Lims Bat # : LIMIT-24821

Page 3 of 8

QC Batch Number: BATCH-16504

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94385					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	10.40	ug/m3	
		Lab Fort Blk. % Rec.	87.62	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	13.25	ug/m3	
		Lab Fort Blk. % Rec.	83.10	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	27.80	ug/m3	
		Lab Fort Blk. % Rec.	88.42	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	19.72	ug/m3	
		Lab Fort Blk. % Rec.	81.06	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	16.76	ug/m3	
		Lab Fort Blk. % Rec.	82.82	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	33.50	ug/m3	
		Lab Fort Blk. % Rec.	111.44	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	16.55	ug/m3	
		Lab Fort Blk. % Rec.	91.90	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	19.47	ug/m3	
		Lab Fort Blk. % Rec.	89.86	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	16.82	ug/m3	
		Lab Fort Blk. % Rec.	95.49	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	14.07	ug/m3	
		Lab Fort Blk. % Rec.	114.54	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	14.40	ug/m3	
		Lab Fort Blk. % Rec.	97.70	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	23.43	ug/m3	
		Lab Fort Blk. % Rec.	114.40	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	20.77	ug/m3	
		Lab Fort Blk. % Rec.	97.66	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	33.11	ug/m3	
		Lab Fort Blk. % Rec.	97.65	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	



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

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: 4/22/2009

Lims Bat # : LIMIT-24821

Page 4 of 8

QC Batch Number: BATCH-16504

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94385					
	Toluene	Lab Fort Blk. Found	16.78	ug/m3	
		Lab Fort Blk. % Rec.	89.20	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	22.32	ug/m3	
		Lab Fort Blk. % Rec.	81.81	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	24.32	ug/m3	
		Lab Fort Blk. % Rec.	90.53	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	37.83	ug/m3	
		Lab Fort Blk. % Rec.	98.73	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	25.93	ug/m3	
		Lab Fort Blk. % Rec.	92.31	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	20.15	ug/m3	
		Lab Fort Blk. % Rec.	92.80	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	38.37	ug/m3	
		Lab Fort Blk. % Rec.	88.34	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	33.84	ug/m3	
		Lab Fort Blk. % Rec.	112.60	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	33.86	ug/m3	
		Lab Fort Blk. % Rec.	112.66	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	16.10	ug/m3	
		Lab Fort Blk. % Rec.	79.56	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	17.95	ug/m3	
		Lab Fort Blk. % Rec.	90.54	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	11.12	ug/m3	
		Lab Fort Blk. % Rec.	118.06	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.21	ug/m3	
		Lab Fort Blk. % Rec.	102.60	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	14.15	ug/m3	
		Lab Fort Blk. % Rec.	78.51	%	70-130
	t-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.04	ug/m3	



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

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: 4/22/2009

Lims Bat # : LIMIT-24821

Page 5 of 8

QC Batch Number: BATCH-16504

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94385					
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	80.93	%	70-130
	Vinyl Chloride	Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	11.30	ug/m3	
		Lab Fort Blk. % Rec.	88.44	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	19.44	ug/m3	
		Lab Fort Blk. % Rec.	111.98	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.16	ug/m3	
		Lab Fort Blk. % Rec.	96.28	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	9.89	ug/m3	
		Lab Fort Blk. % Rec.	95.86	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	17.78	ug/m3	
		Lab Fort Blk. % Rec.	91.63	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	11.89	ug/m3	
		Lab Fort Blk. % Rec.	90.15	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.35	ug/m3	
		Lab Fort Blk. % Rec.	85.25	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.48	ug/m3	
		Lab Fort Blk. % Rec.	85.85	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	43.83	ug/m3	
		Lab Fort Blk. % Rec.	102.90	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	24.49	ug/m3	
		Lab Fort Blk. % Rec.	89.79	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	59.82	ug/m3	
		Lab Fort Blk. % Rec.	115.72	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	35.76	ug/m3	
		Lab Fort Blk. % Rec.	104.16	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	53.66	ug/m3	
		Lab Fort Blk. % Rec.	100.62	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	44.11	ug/m3	
		Lab Fort Blk. % Rec.	118.88	%	70-130



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

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: 4/22/2009

Lims Bat # : LIMIT-24821

Page 6 of 8

QC Batch Number: BATCH-16504

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94385	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.25	ug/m3	
		Lab Fort Blk. % Rec.	98.66	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	24.00	ug/m3	
		Lab Fort Blk. % Rec.	97.64	%	70-130
Cyclohexane		Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	18.24	ug/m3	
		Lab Fort Blk. % Rec.	106.00	%	50-150
cis-1,2-Dichloroethylene		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.23	ug/m3	
		Lab Fort Blk. % Rec.	81.89	%	70-130
1,2-Dichloropropane		Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	20.10	ug/m3	
		Lab Fort Blk. % Rec.	86.99	%	70-130
Dichlorodifluoromethane		Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	20.27	ug/m3	
		Lab Fort Blk. % Rec.	81.99	%	70-130
Benzyl Chloride		Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	26.61	ug/m3	
		Lab Fort Blk. % Rec.	102.80	%	70-130
Carbon Disulfide		Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	13.44	ug/m3	
		Lab Fort Blk. % Rec.	86.35	%	70-130
Vinyl Acetate		Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	16.35	ug/m3	
		Lab Fort Blk. % Rec.	92.90	%	70-130
2-Hexanone		Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	23.57	ug/m3	
		Lab Fort Blk. % Rec.	115.12	%	50-150
Bromodichloromethane		Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	30.82	ug/m3	
		Lab Fort Blk. % Rec.	92.01	%	70-130
1,2-Dibromoethane		Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	37.28	ug/m3	
		Lab Fort Blk. % Rec.	97.04	%	70-130
n-Heptane		Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	19.79	ug/m3	
		Lab Fort Blk. % Rec.	96.60	%	50-150
1,2-Dichlorotetrafluoroethane (114)		Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	30.84	ug/m3	
		Lab Fort Blk. % Rec.	88.24	%	70-130
Tetrahydrofuran		Lab Fort Blank Amt.	14.74	ug/m3	



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

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: 4/22/2009

Lims Bat # : LIMIT-24821

Page 7 of 8

QC Batch Number: BATCH-16504

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94385	Tetrahydrofuran	Lab Fort Blk. Found	15.53	ug/m3	
		Lab Fort Blk. % Rec.	105.38	%	50-150
	Propene	Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	7.59	ug/m3	
	1,3-Butadiene	Lab Fort Blk. % Rec.	88.28	%	50-150
		Lab Fort Blank Amt.	11.06	ug/m3	
	1,3-Butadiene	Lab Fort Blk. Found	11.07	ug/m3	
		Lab Fort Blk. % Rec.	100.10	%	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: 4/22/2009 Lims Bat #: LIMIT-24821 Page 8 of 8

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
 www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

REC'D # 24821

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEL Engineering
 Address: 107 Avdubon Rd, Suite 301
Wakefield, MA 01880

Attention: Kelly Chatterton

Project Location: Garham Site, Providence, RI
 Sampled By: RM

Proposal Provided? (For Billing purposes)

Yes 3.3.09 proposal date

Telephone: (801) 245-6606
 Project # 3650000114
 Client PO # 2009 04907

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

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

Field ID	Sample Description	Media	Lab #	Date	Stop	Total	Flow Rate	Volume	Matrix	Analysis Requested	"Hg	Summa Canister ID	Flow Controller ID
				Start Time	Date Time	Minutes Sampled	M ² Min. or L/Min.	Liters or M ³	Code*				
IA-1-041409	S	09B	12361	4-14-09 0740	4-14-09 0810	30	0.2	6	IA	X	-3	1470	4030
IA-2-041409	S		12362	4-14-09 0745	4-14-09 0815	30	0.2	6	IA	X	-2	1346	4032
IA-3-041409	S		12363	4-14-09 0741	4-14-09 0811	30	0.2	6	IA	X	-1	1048	4035
IA-4-041409	S		12364	4-14-09 0743	4-14-09 0813	30	0.2	6	IA	X	-7	1190	4025
IA-5-041409	S		12365	4-14-09 0830	4-14-09 0900	30	0.2	6	IA	X	-2	1260	4060
IA-6-041409	S		12366	4-14-09 0833	4-14-09 0903	30	0.2	6	IA	X	-7	1689	4031
IA-7-041409	S		12367	4-14-09 0838	4-14-09 0908	30	0.2	6	IA	X	-1	1341	4055
AA-1-041409	S		12368	4-14-09 0747	4-14-09 0817	30	0.2	6	AMB	X	-1	1899	4043

Laboratory Comments:

CLIENT COMMENTS:

Relinquished by: (signature) [Signature] Date/Time: 4-18-09/1110

Received by: (signature) [Signature] Date/Time: 4-18-09/1110

Received by: (signature) [Signature] Date/Time: 4-18-09/1110

Received by: (signature) [Signature] Date/Time: 4-18-09/1110

Received by: (signature) [Signature] Date/Time: 4-18-09/1110

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

Regulations: CT Target Indoor Air (Comm.)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: CT Target Indoor Air Conc. (Comm. etc.)

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= leadlar bag
 P= PUF
 T= tube
 F= filter
 C= cassette
 O= Other

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

AIHA, NELAP & WBE/DBE Certified

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.



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.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
Wakefield, MA 01880

Attention: Kelly Chatterton

Project Location: Grobum Site, Providence, RI
 Sampled By: PTM

Proposal Provided? (For Billing purposes)
 Yes 3-3-09 proposal date

Telephone: (981) 245-6606
 Project # 3650080114
 Client PO # 200904907

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

Date Sampled Start Stop ONLY USE WHEN USING PUMPS

Field ID	Sample Description	Media	Lab #	Date	Date	Total	Flow Rate	Volume	Matrix	Analysis Requested	Summa Canister ID	Flow Controller ID
				Time	Time	Minutes Sampled	M ³ /Min. or L/Min.	Gallons or M ³	Code*			
	EW-5-041409	S	098	4-14-09 0852	4-14-09 0922	30	0.2	6	S _g	X	1663	4037
	EW-6-041409	S	12370	4-14-09 0908	4-14-09 0938	30	0.2	6	S _g	X	1483	4040
	EW-7-041409	S	12371	4-14-09 0914	4-14-09 0944	30	0.2	6	S _g	X	1669	4048
	EW-Combined-041409	S	12372	4-14-09 1003	4-14-09 1033	30	0.2	6	S _g	X	1204	4017
	Post Carbon-041409	S	12373	4-14-09 1005	4-14-09 1035	30	0.2	6	S _g	X	1661	4023

CLIENT COMMENTS: EW-5-041409, EW-6-041409, EW-7-041409, EW-Combined-041409, and Post Carbon-041409 were sampled from source area soil gas.

Relinquished by (signature): [Signature] Date/Time: 4-15-09/1110

Received by (signature): [Signature] Date/Time: 4-15-09 7pm

Turnaround **
 7-Day
 10-Day
 Other 5 days
 *24-Hr *48-Hr *72-Hr *4-Day

Regulations: ET Target Indoor Air (Common)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: ET Target Indoor Air (Common)
 Other: Asst. Gen. (Common)

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

**Media Codes: S=Summa can TB=tedlar bag P=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.



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: Mactec
RECEIVED BY: Ko DATE: 4/15/09

- 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:

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	13
Tedlar Bags	
Regulators	
Restrictors	13
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:

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

REPORT DATE 5/12/2009

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

CONTRACT NUMBER:
 PURCHASE ORDER NUMBER: 200904907

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-25129
 JOB NUMBER: 3650080114

PROJECT LOCATION: GORHAM ST-PROVIDENCE-RI

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-042409	09B13811	AIR	Not Specified	to-15 ppbv	
*AA-1-042409	09B13811	AIR	Not Specified	to-15 ug/m3	
*EW-COMBINED-04	09B13812	AIR	Not Specified	to-15 ppbv	
*EW-COMBINED-04	09B13812	AIR	Not Specified	to-15 ug/m3	
*IA-1-042409	09B13807	AIR	Not Specified	to-15 ppbv	
*IA-1-042409	09B13807	AIR	Not Specified	to-15 ug/m3	
*IA-2-042409	09B13808	AIR	Not Specified	to-15 ppbv	
*IA-2-042409	09B13808	AIR	Not Specified	to-15 ug/m3	
*IA-3-042409	09B13809	AIR	Not Specified	to-15 ppbv	
*IA-3-042409	09B13809	AIR	Not Specified	to-15 ug/m3	
*IA-4-042409	09B13810	AIR	Not Specified	to-15 ppbv	
*IA-4-042409	09B13810	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
 OF PARAMETERS ORDERED BY:**





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

REPORT DATE 5/12/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200904907

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-25129
JOB NUMBER: 3650080114

Comments :

LIMS BATCH NO. : LIMIT-25129

CASE NARRATIVE SUMMARY

In method TO-15, method blank-132627 contained Acetone at 0.16 ppbv = 0.39 ug/m3 and Methylene Chloride at 0.25 ppbv = 0.89 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)
09B13807	1x	All
09B13808	1x	All
09B13809	1x	All
09B13810	1x	All
09B13811	1x	All
09B13812	1x	Most
	400x	chloroethane, trichlorofluoromethane, 1,1-dichloroethylene, 1,1-dichloroethane, cis-1,2-dichloroethylene, trichloroethylene, 1,1,1-trichloroethane
blank-132627	0.7x=570ml sample	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.

Tod Kopyscinski
SIGNATURE

5/12/09
DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

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

5/12/2009
 Page 2 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : AA-1-042409

Sample ID : *09B13811 ‡Sampled : 4/4/2009
 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		04/30/09	WSD
Hexane	PPBv	0.16	0.05		04/30/09	WSD
2-Hexanone	PPBv	0.06	0.05		04/30/09	WSD
Isopropanol	PPBv	5.8	0.05		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/30/09	WSD
Methylene Chloride	PPBv	0.80	0.05		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/30/09	WSD
Propene	PPBv	ND	0.10		04/30/09	WSD
Styrene	PPBv	ND	0.05		04/30/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/30/09	WSD
Tetrachloroethylene	PPBv	ND	0.05		04/30/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		04/30/09	WSD
Toluene	PPBv	0.19	0.05		04/30/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,1,1-Trichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		04/30/09	WSD
Trichloroethylene	PPBv	ND	0.05		04/30/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		04/30/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
Vinyl Acetate	PPBv	ND	0.20		04/30/09	WSD
Vinyl Chloride	PPBv	ND	0.05		04/30/09	WSD
m/p-Xylene	PPBv	ND	0.10		04/30/09	WSD
o-Xylene	PPBv	ND	0.05		04/30/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	27	0.12		04/30/09	WSD
Benzene	ug/m3	0.30	0.16		04/30/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		04/30/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		04/30/09	WSD
Bromoform	ug/m3	ND	0.51		04/30/09	WSD
Bromomethane	ug/m3	ND	0.19		04/30/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		04/30/09	WSD
2-Butanone (MEK)	ug/m3	1.6	0.15		04/30/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		04/30/09	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

5/12/2009
 Page 3 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : AA-1-042409

Sample ID : *09B13811 ‡Sampled : 4/4/2009
 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	0.41	0.31		04/30/09	WSD
Chlorobenzene	ug/m3	ND	0.23		04/30/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		04/30/09	WSD
Chloroethane	ug/m3	ND	0.13		04/30/09	WSD
Chloroform	ug/m3	ND	0.24		04/30/09	WSD
Chloromethane	ug/m3	1.2	0.10		04/30/09	WSD
Cyclohexane	ug/m3	ND	0.17		04/30/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		04/30/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
Dichlorodifluoromethane	ug/m3	2.5	0.25		04/30/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		04/30/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/30/09	WSD
Ethanol	ug/m3	4.9	0.09		04/30/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		04/30/09	WSD
Ethylbenzene	ug/m3	ND	0.22		04/30/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		04/30/09	WSD
n-Heptane	ug/m3	ND	0.20		04/30/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		04/30/09	WSD
Hexane	ug/m3	0.56	0.18		04/30/09	WSD
2-Hexanone	ug/m3	0.26	0.20		04/30/09	WSD
Isopropanol	ug/m3	14	0.12		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/30/09	WSD
Methylene Chloride	ug/m3	2.8	0.17		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/30/09	WSD
Propene	ug/m3	ND	0.18		04/30/09	WSD
Styrene	ug/m3	ND	0.21		04/30/09	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.: 200904907

5/12/2009
Page 4 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
Date Received: 4/27/2009

Project Number: 3650080114
LIMS-BAT #: LIMIT-25129
Job Number: 3650080114

Field Sample # : AA-1-042409

Sample ID : *09B13811 ‡Sampled : 4/4/2009
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		04/30/09	WSD
Tetrachloroethylene	ug/m3	ND	0.34		04/30/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		04/30/09	WSD
Toluene	ug/m3	0.72	0.19		04/30/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/30/09	WSD
1,1,1-Trichloroethane	ug/m3	ND	0.27		04/30/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/30/09	WSD
Trichloroethylene	ug/m3	ND	0.27		04/30/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		04/30/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		04/30/09	WSD
Vinyl Chloride	ug/m3	ND	0.13		04/30/09	WSD
m/p-Xylene	ug/m3	ND	0.43		04/30/09	WSD
o-Xylene	ug/m3	ND	0.22		04/30/09	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.: 200904907

5/12/2009
 Page 5 of 26
 Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Field Sample # : EW-COMBINED-042409

Sample ID : *09B13812 ‡Sampled : 4/4/2009
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	ND	0.10		04/30/09	WSD
Benzene	PPBv	0.77	0.05		04/30/09	WSD
Benzyl Chloride	PPBv	ND	0.05		04/30/09	WSD
Bromodichloromethane	PPBv	ND	0.05		04/30/09	WSD
Bromoform	PPBv	ND	0.05		04/30/09	WSD
Bromomethane	PPBv	ND	0.05		04/30/09	WSD
1,3-Butadiene	PPBv	ND	0.05		04/30/09	WSD
2-Butanone (MEK)	PPBv	13	0.05		04/30/09	WSD
Carbon Disulfide	PPBv	1.5	0.05		04/30/09	WSD
Carbon Tetrachloride	PPBv	0.09	0.05		04/30/09	WSD
Chlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		04/30/09	WSD
Chloroethane	PPBv	82	0.05		04/30/09	WSD
Chloroform	PPBv	1.8	0.05		04/30/09	WSD
Chloromethane	PPBv	4.0	0.05		04/30/09	WSD
Cyclohexane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Dichlorodifluoromethane	PPBv	0.57	0.05		04/30/09	WSD
1,1-Dichloroethane	PPBv	550	0.05		04/30/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,1-Dichloroethylene	PPBv	110	0.05		04/30/09	WSD
cis-1,2-Dichloroethylene	PPBv	410	0.05		04/30/09	WSD
t-1,2-Dichloroethylene	PPBv	8.4	0.05		04/30/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		04/30/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/30/09	WSD
Ethanol	PPBv	11	0.05		04/30/09	WSD
Ethyl Acetate	PPBv	ND	0.10		04/30/09	WSD
Ethylbenzene	PPBv	ND	0.05		04/30/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		04/30/09	WSD
n-Heptane	PPBv	ND	0.05		04/30/09	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

5/12/2009
Page 6 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-25129
Job Number: 3650080114

Field Sample # : EW-COMBINED-042409

Sample ID : *09B13812 ‡Sampled : 4/4/2009
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		04/30/09	WSD
Hexane	PPBv	0.64	0.05		04/30/09	WSD
2-Hexanone	PPBv	0.12	0.05		04/30/09	WSD
Isopropanol	PPBv	ND	0.10		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/30/09	WSD
Methylene Chloride	PPBv	0.75	0.05		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	0.14	0.05		04/30/09	WSD
Propene	PPBv	ND	0.10		04/30/09	WSD
Styrene	PPBv	ND	0.05		04/30/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/30/09	WSD
Tetrachloroethylene	PPBv	15	0.05		04/30/09	WSD
Tetrahydrofuran	PPBv	38	0.05		04/30/09	WSD
Toluene	PPBv	0.16	0.05		04/30/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,1,1-Trichloroethane	PPBv	3500	0.05		04/30/09	WSD
1,1,2-Trichloroethane	PPBv	0.12	0.05		04/30/09	WSD
Trichloroethylene	PPBv	1200	0.05		04/30/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	110	0.05		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.10	0.05		04/30/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
Vinyl Acetate	PPBv	ND	0.20		04/30/09	WSD
Vinyl Chloride	PPBv	1.3	0.05		04/30/09	WSD
m/p-Xylene	PPBv	ND	0.10		04/30/09	WSD
o-Xylene	PPBv	ND	0.05		04/30/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	ND	0.24		04/30/09	WSD
Benzene	ug/m3	2.5	0.16		04/30/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		04/30/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		04/30/09	WSD
Bromoform	ug/m3	ND	0.51		04/30/09	WSD
Bromomethane	ug/m3	ND	0.19		04/30/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		04/30/09	WSD
2-Butanone (MEK)	ug/m3	40	0.15		04/30/09	WSD
Carbon Disulfide	ug/m3	4.6	0.16		04/30/09	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

5/12/2009
 Page 7 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : EW-COMBINED-042409

Sample ID : *09B13812 ‡Sampled : 4/4/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	0.57	0.31		04/30/09	WSD
Chlorobenzene	ug/m3	ND	0.23		04/30/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		04/30/09	WSD
Chloroethane	ug/m3	220	0.13		04/30/09	WSD
Chloroform	ug/m3	8.8	0.24		04/30/09	WSD
Chloromethane	ug/m3	8.2	0.10		04/30/09	WSD
Cyclohexane	ug/m3	ND	0.17		04/30/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		04/30/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
Dichlorodifluoromethane	ug/m3	2.8	0.25		04/30/09	WSD
1,1-Dichloroethane	ug/m3	2200	0.20		04/30/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,1-Dichloroethylene	ug/m3	420	0.20		04/30/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1600	0.20		04/30/09	WSD
t-1,2-Dichloroethylene	ug/m3	33	0.20		04/30/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		04/30/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/30/09	WSD
Ethanol	ug/m3	21	0.09		04/30/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		04/30/09	WSD
Ethylbenzene	ug/m3	ND	0.22		04/30/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		04/30/09	WSD
n-Heptane	ug/m3	ND	0.20		04/30/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		04/30/09	WSD
Hexane	ug/m3	2.3	0.18		04/30/09	WSD
2-Hexanone	ug/m3	0.50	0.20		04/30/09	WSD
Isopropanol	ug/m3	ND	0.25		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/30/09	WSD
Methylene Chloride	ug/m3	2.6	0.17		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.59	0.20		04/30/09	WSD
Propene	ug/m3	ND	0.18		04/30/09	WSD
Styrene	ug/m3	ND	0.21		04/30/09	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

5/12/2009
Page 8 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-25129
Job Number: 3650080114

Field Sample # : EW-COMBINED-042409

Sample ID : *09B13812 ‡Sampled : 4/4/2009
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		04/30/09	WSD
Tetrachloroethylene	ug/m3	110	0.34		04/30/09	WSD
Tetrahydrofuran	ug/m3	110	0.15		04/30/09	WSD
Toluene	ug/m3	0.59	0.19		04/30/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/30/09	WSD
1,1,1-Trichloroethane	ug/m3	19000	0.27		04/30/09	WSD
1,1,2-Trichloroethane	ug/m3	0.65	0.27		04/30/09	WSD
Trichloroethylene	ug/m3	6200	0.27		04/30/09	WSD
Trichlorofluoromethane	ug/m3	600	0.28		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.74	0.38		04/30/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		04/30/09	WSD
Vinyl Chloride	ug/m3	3.4	0.13		04/30/09	WSD
m/p-Xylene	ug/m3	ND	0.43		04/30/09	WSD
o-Xylene	ug/m3	ND	0.22		04/30/09	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

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

5/12/2009
 Page 9 of 26
 Project Number: 3650080114
 LIMS-BAT #: LIMT-25129
 Job Number: 3650080114

Field Sample #: IA-1-042409

Sample ID: *09B13807 ‡Sampled: 4/4/2009
 Not Specified
 Sample Matrix: AIR Sample Medium: SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	130	0.05		04/30/09	WSD
Benzene	PPBv	0.24	0.05		04/30/09	WSD
Benzyl Chloride	PPBv	ND	0.05		04/30/09	WSD
Bromodichloromethane	PPBv	ND	0.05		04/30/09	WSD
Bromoform	PPBv	ND	0.05		04/30/09	WSD
Bromomethane	PPBv	ND	0.05		04/30/09	WSD
1,3-Butadiene	PPBv	ND	0.05		04/30/09	WSD
2-Butanone (MEK)	PPBv	1.5	0.05		04/30/09	WSD
Carbon Disulfide	PPBv	ND	0.05		04/30/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		04/30/09	WSD
Chlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		04/30/09	WSD
Chloroethane	PPBv	ND	0.05		04/30/09	WSD
Chloroform	PPBv	ND	0.05		04/30/09	WSD
Chloromethane	PPBv	0.64	0.05		04/30/09	WSD
Cyclohexane	PPBv	0.10	0.05		04/30/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Dichlorodifluoromethane	PPBv	1.7	0.05		04/30/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.34	0.05		04/30/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		04/30/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/30/09	WSD
Ethanol	PPBv	21	0.05		04/30/09	WSD
Ethyl Acetate	PPBv	ND	0.10		04/30/09	WSD
Ethylbenzene	PPBv	0.22	0.05		04/30/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		04/30/09	WSD
n-Heptane	PPBv	0.16	0.05		04/30/09	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

Purchase Order No.: 200904907

5/12/2009
 Page 10 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-1-042409

Sample ID : *09B13807 ‡Sampled : 4/4/2009
 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		04/30/09	WSD
Hexane	PPBv	0.48	0.05		04/30/09	WSD
2-Hexanone	PPBv	0.12	0.05		04/30/09	WSD
Isopropanol	PPBv	97	0.05		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/30/09	WSD
Methylene Chloride	PPBv	1.4	0.05		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	0.13	0.05		04/30/09	WSD
Propene	PPBv	ND	0.10		04/30/09	WSD
Styrene	PPBv	0.06	0.05		04/30/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/30/09	WSD
Tetrachloroethylene	PPBv	0.90	0.05		04/30/09	WSD
Tetrahydrofuran	PPBv	0.14	0.05		04/30/09	WSD
Toluene	PPBv	1.5	0.05		04/30/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,1,1-Trichloroethane	PPBv	0.36	0.05		04/30/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		04/30/09	WSD
Trichloroethylene	PPBv	0.30	0.05		04/30/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.27	0.05		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.22	0.05		04/30/09	WSD
1,2,4-Trimethylbenzene	PPBv	0.10	0.05		04/30/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
Vinyl Acetate	PPBv	ND	0.20		04/30/09	WSD
Vinyl Chloride	PPBv	0.06	0.05		04/30/09	WSD
m/p-Xylene	PPBv	0.57	0.10		04/30/09	WSD
o-Xylene	PPBv	0.16	0.05		04/30/09	WSD
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	310	0.12		04/30/09	WSD
Benzene	ug/m3	0.78	0.16		04/30/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		04/30/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		04/30/09	WSD
Bromoform	ug/m3	ND	0.51		04/30/09	WSD
Bromomethane	ug/m3	ND	0.19		04/30/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		04/30/09	WSD
2-Butanone (MEK)	ug/m3	4.4	0.15		04/30/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		04/30/09	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

5/12/2009
 Page 11 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-1-042409

Sample ID : *09B13807 ‡Sampled : 4/4/2009
 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		04/30/09	WSD
Chlorobenzene	ug/m3	ND	0.23		04/30/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		04/30/09	WSD
Chloroethane	ug/m3	ND	0.13		04/30/09	WSD
Chloroform	ug/m3	ND	0.24		04/30/09	WSD
Chloromethane	ug/m3	1.3	0.10		04/30/09	WSD
Cyclohexane	ug/m3	0.34	0.17		04/30/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		04/30/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
Dichlorodifluoromethane	ug/m3	8.3	0.25		04/30/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1.3	0.20		04/30/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		04/30/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/30/09	WSD
Ethanol	ug/m3	39	0.09		04/30/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		04/30/09	WSD
Ethylbenzene	ug/m3	0.94	0.22		04/30/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		04/30/09	WSD
n-Heptane	ug/m3	0.67	0.20		04/30/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		04/30/09	WSD
Hexane	ug/m3	1.7	0.18		04/30/09	WSD
2-Hexanone	ug/m3	0.48	0.20		04/30/09	WSD
Isopropanol	ug/m3	240	0.12		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/30/09	WSD
Methylene Chloride	ug/m3	4.8	0.17		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.52	0.20		04/30/09	WSD
Propene	ug/m3	ND	0.18		04/30/09	WSD
Styrene	ug/m3	0.24	0.21		04/30/09	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

Purchase Order No.: 200904907

5/12/2009
Page 12 of 26

Project Number: 3650080114
LIMS-BAT #: LIMIT-25129
Job Number: 3650080114

Project Location: GORHAM ST-PROVIDENCE-RI
Date Received: 4/27/2009

Field Sample # : IA-1-042409

Sample ID : *09B13807 ‡Sampled : 4/4/2009
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		04/30/09	WSD
Tetrachloroethylene	ug/m3	6.1	0.34		04/30/09	WSD
Tetrahydrofuran	ug/m3	0.40	0.15		04/30/09	WSD
Toluene	ug/m3	5.7	0.19		04/30/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/30/09	WSD
1,1,1-Trichloroethane	ug/m3	2.0	0.27		04/30/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/30/09	WSD
Trichloroethylene	ug/m3	1.6	0.27		04/30/09	WSD
Trichlorofluoromethane	ug/m3	1.5	0.28		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	1.7	0.38		04/30/09	WSD
1,2,4-Trimethylbenzene	ug/m3	0.48	0.25		04/30/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		04/30/09	WSD
Vinyl Chloride	ug/m3	0.16	0.13		04/30/09	WSD
m/p-Xylene	ug/m3	2.5	0.43		04/30/09	WSD
o-Xylene	ug/m3	0.70	0.22		04/30/09	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.: 200904907

5/12/2009
 Page 13 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-2-042409

Sample ID : *09B13808 ‡Sampled : 4/4/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	16	0.05		04/30/09	WSD
Benzene	PPBv	0.14	0.05		04/30/09	WSD
Benzyl Chloride	PPBv	ND	0.05		04/30/09	WSD
Bromodichloromethane	PPBv	ND	0.05		04/30/09	WSD
Bromoform	PPBv	ND	0.05		04/30/09	WSD
Bromomethane	PPBv	ND	0.05		04/30/09	WSD
1,3-Butadiene	PPBv	ND	0.05		04/30/09	WSD
2-Butanone (MEK)	PPBv	0.54	0.05		04/30/09	WSD
Carbon Disulfide	PPBv	ND	0.05		04/30/09	WSD
Carbon Tetrachloride	PPBv	0.06	0.05		04/30/09	WSD
Chlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		04/30/09	WSD
Chloroethane	PPBv	ND	0.05		04/30/09	WSD
Chloroform	PPBv	ND	0.05		04/30/09	WSD
Chloromethane	PPBv	0.60	0.05		04/30/09	WSD
Cyclohexane	PPBv	0.06	0.05		04/30/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Dichlorodifluoromethane	PPBv	0.58	0.05		04/30/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.41	0.05		04/30/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		04/30/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/30/09	WSD
Ethanol	PPBv	4.0	0.05		04/30/09	WSD
Ethyl Acetate	PPBv	ND	0.10		04/30/09	WSD
Ethylbenzene	PPBv	ND	0.05		04/30/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		04/30/09	WSD
n-Heptane	PPBv	ND	0.05		04/30/09	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

5/12/2009
 Page 14 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-2-042409

Sample ID : *09B13808 ‡Sampled : 4/4/2009
 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		04/30/09	WSD
Hexane	PPBv	0.21	0.05		04/30/09	WSD
2-Hexanone	PPBv	ND	0.05		04/30/09	WSD
Isopropanol	PPBv	11	0.05		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/30/09	WSD
Methylene Chloride	PPBv	1.2	0.05		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/30/09	WSD
Propene	PPBv	ND	0.10		04/30/09	WSD
Styrene	PPBv	ND	0.05		04/30/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/30/09	WSD
Tetrachloroethylene	PPBv	1.1	0.05		04/30/09	WSD
Tetrahydrofuran	PPBv	0.10	0.05		04/30/09	WSD
Toluene	PPBv	0.32	0.05		04/30/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,1,1-Trichloroethane	PPBv	0.38	0.05		04/30/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		04/30/09	WSD
Trichloroethylene	PPBv	0.36	0.05		04/30/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.10	0.05		04/30/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
Vinyl Acetate	PPBv	ND	0.20		04/30/09	WSD
Vinyl Chloride	PPBv	0.07	0.05		04/30/09	WSD
m/p-Xylene	PPBv	0.14	0.10		04/30/09	WSD
o-Xylene	PPBv	0.05	0.05		04/30/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	39	0.12		04/30/09	WSD
Benzene	ug/m3	0.44	0.16		04/30/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		04/30/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		04/30/09	WSD
Bromoform	ug/m3	ND	0.51		04/30/09	WSD
Bromomethane	ug/m3	ND	0.19		04/30/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		04/30/09	WSD
2-Butanone (MEK)	ug/m3	1.6	0.15		04/30/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		04/30/09	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

5/12/2009
Page 15 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-25129
Job Number: 3650080114

Field Sample # : IA-2-042409

Sample ID : *09B13808 ‡Sampled : 4/4/2009
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	0.41	0.31		04/30/09	WSD
Chlorobenzene	ug/m3	ND	0.23		04/30/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		04/30/09	WSD
Chloroethane	ug/m3	ND	0.13		04/30/09	WSD
Chloroform	ug/m3	ND	0.24		04/30/09	WSD
Chloromethane	ug/m3	1.2	0.10		04/30/09	WSD
Cyclohexane	ug/m3	0.22	0.17		04/30/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		04/30/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
Dichlorodifluoromethane	ug/m3	2.9	0.25		04/30/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1.6	0.20		04/30/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		04/30/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/30/09	WSD
Ethanol	ug/m3	7.5	0.09		04/30/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		04/30/09	WSD
Ethylbenzene	ug/m3	ND	0.22		04/30/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		04/30/09	WSD
n-Heptane	ug/m3	ND	0.20		04/30/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		04/30/09	WSD
Hexane	ug/m3	0.74	0.18		04/30/09	WSD
2-Hexanone	ug/m3	ND	0.20		04/30/09	WSD
Isopropanol	ug/m3	28	0.12		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/30/09	WSD
Methylene Chloride	ug/m3	4.2	0.17		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/30/09	WSD
Propene	ug/m3	ND	0.18		04/30/09	WSD
Styrene	ug/m3	ND	0.21		04/30/09	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

5/12/2009
 Page 16 of 26

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Field Sample # : IA-2-042409

Sample ID : *09B13808 ‡Sampled : 4/4/2009
 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		04/30/09	WSD
Tetrachloroethylene	ug/m3	7.6	0.34		04/30/09	WSD
Tetrahydrofuran	ug/m3	0.28	0.15		04/30/09	WSD
Toluene	ug/m3	1.2	0.19		04/30/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/30/09	WSD
1,1,1-Trichloroethane	ug/m3	2.1	0.27		04/30/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/30/09	WSD
Trichloroethylene	ug/m3	1.9	0.27		04/30/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.74	0.38		04/30/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		04/30/09	WSD
Vinyl Chloride	ug/m3	0.18	0.13		04/30/09	WSD
m/p-Xylene	ug/m3	0.63	0.43		04/30/09	WSD
o-Xylene	ug/m3	0.22	0.22		04/30/09	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

5/12/2009
 Page 17 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-3-042409

Sample ID : *09B13809 ‡Sampled : 4/4/2009
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	21	0.05		04/30/09	WSD
Benzene	PPBv	0.14	0.05		04/30/09	WSD
Benzyl Chloride	PPBv	ND	0.05		04/30/09	WSD
Bromodichloromethane	PPBv	ND	0.05		04/30/09	WSD
Bromoform	PPBv	ND	0.05		04/30/09	WSD
Bromomethane	PPBv	ND	0.05		04/30/09	WSD
1,3-Butadiene	PPBv	ND	0.05		04/30/09	WSD
2-Butanone (MEK)	PPBv	0.85	0.05		04/30/09	WSD
Carbon Disulfide	PPBv	ND	0.05		04/30/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		04/30/09	WSD
Chlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		04/30/09	WSD
Chloroethane	PPBv	ND	0.05		04/30/09	WSD
Chloroform	PPBv	ND	0.05		04/30/09	WSD
Chloromethane	PPBv	0.60	0.05		04/30/09	WSD
Cyclohexane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Dichlorodifluoromethane	PPBv	0.59	0.05		04/30/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.38	0.05		04/30/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		04/30/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/30/09	WSD
Ethanol	PPBv	4.8	0.05		04/30/09	WSD
Ethyl Acetate	PPBv	ND	0.10		04/30/09	WSD
Ethylbenzene	PPBv	ND	0.05		04/30/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		04/30/09	WSD
n-Heptane	PPBv	ND	0.05		04/30/09	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

Purchase Order No.: 200904907

5/12/2009
Page 18 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
Date Received: 4/27/2009

Project Number: 3650080114
LIMS-BAT #: LIMIT-25129
Job Number: 3650080114

Field Sample # : IA-3-042409

Sample ID : *09B13809 ‡Sampled : 4/4/2009
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		04/30/09	WSD
Hexane	PPBv	0.22	0.05		04/30/09	WSD
2-Hexanone	PPBv	0.09	0.05		04/30/09	WSD
Isopropanol	PPBv	13	0.05		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/30/09	WSD
Methylene Chloride	PPBv	1.0	0.05		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	0.05	0.05		04/30/09	WSD
Propene	PPBv	ND	0.10		04/30/09	WSD
Styrene	PPBv	ND	0.05		04/30/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/30/09	WSD
Tetrachloroethylene	PPBv	1.0	0.05		04/30/09	WSD
Tetrahydrofuran	PPBv	ND	0.05		04/30/09	WSD
Toluene	PPBv	0.33	0.05		04/30/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,1,1-Trichloroethane	PPBv	0.41	0.05		04/30/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		04/30/09	WSD
Trichloroethylene	PPBv	0.33	0.05		04/30/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.10	0.05		04/30/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
Vinyl Acetate	PPBv	ND	0.20		04/30/09	WSD
Vinyl Chloride	PPBv	0.06	0.05		04/30/09	WSD
m/p-Xylene	PPBv	0.15	0.10		04/30/09	WSD
o-Xylene	PPBv	0.06	0.05		04/30/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	50	0.12		04/30/09	WSD
Benzene	ug/m3	0.46	0.16		04/30/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		04/30/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		04/30/09	WSD
Bromoform	ug/m3	ND	0.51		04/30/09	WSD
Bromomethane	ug/m3	ND	0.19		04/30/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		04/30/09	WSD
2-Butanone (MEK)	ug/m3	2.5	0.15		04/30/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		04/30/09	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.: 200904907

5/12/2009
 Page 19 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-3-042409

Sample ID : *09B13809 ‡Sampled : 4/4/2009
 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	0.42	0.31		04/30/09	WSD
Chlorobenzene	ug/m3	ND	0.23		04/30/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		04/30/09	WSD
Chloroethane	ug/m3	ND	0.13		04/30/09	WSD
Chloroform	ug/m3	ND	0.24		04/30/09	WSD
Chloromethane	ug/m3	1.2	0.10		04/30/09	WSD
Cyclohexane	ug/m3	ND	0.17		04/30/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		04/30/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
Dichlorodifluoromethane	ug/m3	2.9	0.25		04/30/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1.5	0.20		04/30/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		04/30/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/30/09	WSD
Ethanol	ug/m3	9.0	0.09		04/30/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		04/30/09	WSD
Ethylbenzene	ug/m3	ND	0.22		04/30/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		04/30/09	WSD
n-Heptane	ug/m3	ND	0.20		04/30/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		04/30/09	WSD
Hexane	ug/m3	0.77	0.18		04/30/09	WSD
2-Hexanone	ug/m3	0.38	0.20		04/30/09	WSD
Isopropanol	ug/m3	33	0.12		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/30/09	WSD
Methylene Chloride	ug/m3	3.6	0.17		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.22	0.20		04/30/09	WSD
Propene	ug/m3	ND	0.18		04/30/09	WSD
Styrene	ug/m3	ND	0.21		04/30/09	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

5/12/2009
 Page 20 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-3-042409

Sample ID : *09B13809 ‡Sampled : 4/4/2009
 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		04/30/09	WSD
Tetrachloroethylene	ug/m3	7.1	0.34		04/30/09	WSD
Tetrahydrofuran	ug/m3	ND	0.15		04/30/09	WSD
Toluene	ug/m3	1.2	0.19		04/30/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/30/09	WSD
1,1,1-Trichloroethane	ug/m3	2.2	0.27		04/30/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/30/09	WSD
Trichloroethylene	ug/m3	1.8	0.27		04/30/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.74	0.38		04/30/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		04/30/09	WSD
Vinyl Chloride	ug/m3	0.17	0.13		04/30/09	WSD
m/p-Xylene	ug/m3	0.66	0.43		04/30/09	WSD
o-Xylene	ug/m3	0.24	0.22		04/30/09	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

Project Location: GORHAM ST-PROVIDENCE-RI

Date Received: 4/27/2009

Purchase Order No.: 200904907

5/12/2009

Page 21 of 26

Project Number: 3650080114

LIMS-BAT #: LIMIT-25129

Job Number: 3650080114

Field Sample # : IA-4-042409
Sample ID : *09B13810

‡Sampled : 4/4/2009

Not Specified

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	8.3	0.05		04/30/09	WSD
Benzene	PPBv	0.14	0.05		04/30/09	WSD
Benzyl Chloride	PPBv	ND	0.05		04/30/09	WSD
Bromodichloromethane	PPBv	ND	0.05		04/30/09	WSD
Bromoform	PPBv	ND	0.05		04/30/09	WSD
Bromomethane	PPBv	ND	0.05		04/30/09	WSD
1,3-Butadiene	PPBv	ND	0.05		04/30/09	WSD
2-Butanone (MEK)	PPBv	0.54	0.05		04/30/09	WSD
Carbon Disulfide	PPBv	ND	0.05		04/30/09	WSD
Carbon Tetrachloride	PPBv	0.07	0.05		04/30/09	WSD
Chlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Chlorodibromomethane	PPBv	ND	0.05		04/30/09	WSD
Chloroethane	PPBv	ND	0.05		04/30/09	WSD
Chloroform	PPBv	ND	0.05		04/30/09	WSD
Chloromethane	PPBv	0.57	0.05		04/30/09	WSD
Cyclohexane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dibromoethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,3-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,4-Dichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
Dichlorodifluoromethane	PPBv	0.49	0.05		04/30/09	WSD
1,1-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloroethane	PPBv	ND	0.05		04/30/09	WSD
1,1-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
cis-1,2-Dichloroethylene	PPBv	0.42	0.05		04/30/09	WSD
t-1,2-Dichloroethylene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichloropropane	PPBv	ND	0.05		04/30/09	WSD
cis-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
trans-1,3-Dichloropropene	PPBv	ND	0.05		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		04/30/09	WSD
Ethanol	PPBv	2.9	0.05		04/30/09	WSD
Ethyl Acetate	PPBv	ND	0.10		04/30/09	WSD
Ethylbenzene	PPBv	ND	0.05		04/30/09	WSD
4-Ethyl Toluene	PPBv	ND	0.05		04/30/09	WSD
n-Heptane	PPBv	ND	0.05		04/30/09	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

5/12/2009
 Page 22 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-4-042409

Sample ID : *09B13810 ‡Sampled : 4/4/2009
 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		04/30/09	WSD
Hexane	PPBv	0.10	0.05		04/30/09	WSD
2-Hexanone	PPBv	ND	0.05		04/30/09	WSD
Isopropanol	PPBv	5.3	0.05		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		04/30/09	WSD
Methylene Chloride	PPBv	0.63	0.05		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		04/30/09	WSD
Propene	PPBv	ND	0.10		04/30/09	WSD
Styrene	PPBv	ND	0.05		04/30/09	WSD
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		04/30/09	WSD
Tetrachloroethylene	PPBv	1.2	0.05		04/30/09	WSD
Tetrahydrofuran	PPBv	0.08	0.05		04/30/09	WSD
Toluene	PPBv	0.28	0.05		04/30/09	WSD
1,2,4-Trichlorobenzene	PPBv	ND	0.05		04/30/09	WSD
1,1,1-Trichloroethane	PPBv	0.40	0.05		04/30/09	WSD
1,1,2-Trichloroethane	PPBv	ND	0.05		04/30/09	WSD
Trichloroethylene	PPBv	0.37	0.05		04/30/09	WSD
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		04/30/09	WSD
1,2,4-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
1,3,5-Trimethylbenzene	PPBv	ND	0.05		04/30/09	WSD
Vinyl Acetate	PPBv	ND	0.20		04/30/09	WSD
Vinyl Chloride	PPBv	0.08	0.05		04/30/09	WSD
m/p-Xylene	PPBv	0.11	0.10		04/30/09	WSD
o-Xylene	PPBv	ND	0.05		04/30/09	WSD
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	20	0.12		04/30/09	WSD
Benzene	ug/m3	0.44	0.16		04/30/09	WSD
Benzyl Chloride	ug/m3	ND	0.26		04/30/09	WSD
Bromodichloromethane	ug/m3	ND	0.33		04/30/09	WSD
Bromoform	ug/m3	ND	0.51		04/30/09	WSD
Bromomethane	ug/m3	ND	0.19		04/30/09	WSD
1,3-Butadiene	ug/m3	ND	0.11		04/30/09	WSD
2-Butanone (MEK)	ug/m3	1.6	0.15		04/30/09	WSD
Carbon Disulfide	ug/m3	ND	0.16		04/30/09	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

5/12/2009
 Page 23 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Field Sample # : IA-4-042409

Sample ID : *09B13810 ‡Sampled : 4/4/2009
 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	0.45	0.31		04/30/09	WSD
Chlorobenzene	ug/m3	ND	0.23		04/30/09	WSD
Chlorodibromomethane	ug/m3	ND	0.43		04/30/09	WSD
Chloroethane	ug/m3	ND	0.13		04/30/09	WSD
Chloroform	ug/m3	ND	0.24		04/30/09	WSD
Chloromethane	ug/m3	1.2	0.10		04/30/09	WSD
Cyclohexane	ug/m3	ND	0.17		04/30/09	WSD
1,2-Dibromoethane	ug/m3	ND	0.38		04/30/09	WSD
1,2-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,3-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
1,4-Dichlorobenzene	ug/m3	ND	0.30		04/30/09	WSD
Dichlorodifluoromethane	ug/m3	2.4	0.25		04/30/09	WSD
1,1-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		04/30/09	WSD
1,1-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
cis-1,2-Dichloroethylene	ug/m3	1.7	0.20		04/30/09	WSD
t-1,2-Dichloroethylene	ug/m3	ND	0.20		04/30/09	WSD
1,2-Dichloropropane	ug/m3	ND	0.23		04/30/09	WSD
cis-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
trans-1,3-Dichloropropene	ug/m3	ND	0.22		04/30/09	WSD
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		04/30/09	WSD
Ethanol	ug/m3	5.5	0.09		04/30/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		04/30/09	WSD
Ethylbenzene	ug/m3	ND	0.22		04/30/09	WSD
4-Ethyl Toluene	ug/m3	ND	0.25		04/30/09	WSD
n-Heptane	ug/m3	ND	0.20		04/30/09	WSD
Hexachlorobutadiene	ug/m3	ND	1.1		04/30/09	WSD
Hexane	ug/m3	0.34	0.18		04/30/09	WSD
2-Hexanone	ug/m3	ND	0.20		04/30/09	WSD
Isopropanol	ug/m3	13	0.12		04/30/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		04/30/09	WSD
Methylene Chloride	ug/m3	2.2	0.17		04/30/09	WSD
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		04/30/09	WSD
Propene	ug/m3	ND	0.18		04/30/09	WSD
Styrene	ug/m3	ND	0.21		04/30/09	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

5/12/2009
Page 24 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-25129
Job Number: 3650080114

Field Sample #: IA-4-042409

Sample ID: *09B13810 ‡Sampled: 4/4/2009
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		04/30/09	WSD
Tetrachloroethylene	ug/m3	7.9	0.34		04/30/09	WSD
Tetrahydrofuran	ug/m3	0.25	0.15		04/30/09	WSD
Toluene	ug/m3	1.0	0.19		04/30/09	WSD
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		04/30/09	WSD
1,1,1-Trichloroethane	ug/m3	2.2	0.27		04/30/09	WSD
1,1,2-Trichloroethane	ug/m3	ND	0.27		04/30/09	WSD
Trichloroethylene	ug/m3	2.0	0.27		04/30/09	WSD
Trichlorofluoromethane	ug/m3	1.3	0.28		04/30/09	WSD
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.61	0.38		04/30/09	WSD
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		04/30/09	WSD
Vinyl Acetate	ug/m3	ND	0.71		04/30/09	WSD
Vinyl Chloride	ug/m3	0.20	0.13		04/30/09	WSD
m/p-Xylene	ug/m3	0.49	0.43		04/30/09	WSD
o-Xylene	ug/m3	ND	0.22		04/30/09	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.: 200904907

5/12/2009
 Page 25 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

The following notes were attached to the reported analysis :

Sample ID: * 09B13807

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Blank-132627

1,1,1,2-Tetrachloroethane	0.064	0.44	N.D.	N.D.
---------------------------	-------	------	------	------

Lfblank-94916	True Value		Sample Results		Recovery %
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	1.6	11	86

Sample ID: * 09B13807

Analysis: Acetone

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

Sample ID: * 09B13807

Analysis: Isopropanol

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

Sample ID: * 09B13808

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B13809

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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

5/12/2009
 Page 26 of 26

Project Location: GORHAM ST-PROVIDENCE-RI
 Date Received: 4/27/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25129
 Job Number: 3650080114

Sample ID: * 09B13810

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B13811

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B13812

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

** 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



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

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: 5/12/2009

Lims Bat # : LIMIT-25129

Page 1 of 7

QC Batch Number: BATCH-16572

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B13807	4-Bromofluorobenzene	Surrogate Recovery	87.37	%	70-130
09B13808	4-Bromofluorobenzene	Surrogate Recovery	89.62	%	70-130
09B13809	4-Bromofluorobenzene	Surrogate Recovery	90.25	%	70-130
09B13810	4-Bromofluorobenzene	Surrogate Recovery	89.37	%	70-130
09B13811	4-Bromofluorobenzene	Surrogate Recovery	87.87	%	70-130
09B13812	4-Bromofluorobenzene	Surrogate Recovery	91.12	%	70-130
BLANK-132627	Acetone	Blank	0.39	ug/m3	
	Benzene	Blank	<0.12	ug/m3	
	Carbon Tetrachloride	Blank	<0.22	ug/m3	
	Chloroform	Blank	<0.17	ug/m3	
	1,2-Dichloroethane	Blank	<0.14	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.21	ug/m3	
	Ethyl Acetate	Blank	<0.26	ug/m3	
	Ethylbenzene	Blank	<0.16	ug/m3	
	Hexane	Blank	<0.13	ug/m3	
	Isopropanol	Blank	<0.18	ug/m3	
	2-Butanone (MEK)	Blank	<0.11	ug/m3	
	4-Methyl-2-Pentanone (MIBK)	Blank	<0.14	ug/m3	
	Styrene	Blank	<0.15	ug/m3	
	Tetrachloroethylene	Blank	<0.24	ug/m3	
	Toluene	Blank	<0.14	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.19	ug/m3	
	Trichloroethylene	Blank	<0.19	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Blank	<0.27	ug/m3	
	Trichlorofluoromethane	Blank	<0.20	ug/m3	
	o-Xylene	Blank	<0.16	ug/m3	
	m/p-Xylene	Blank	<0.31	ug/m3	
	1,2-Dichlorobenzene	Blank	<0.21	ug/m3	
	1,3-Dichlorobenzene	Blank	<0.21	ug/m3	
	1,1-Dichloroethane	Blank	<0.14	ug/m3	
	1,1-Dichloroethylene	Blank	<0.14	ug/m3	
	Ethanol	Blank	<0.14	ug/m3	
	4-Ethyl Toluene	Blank	<0.18	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Blank	<0.13	ug/m3	
	t-1,2-Dichloroethylene	Blank	<0.14	ug/m3	
	Vinyl Chloride	Blank	<0.10	ug/m3	
	Methylene Chloride	Blank	0.89	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: 5/12/2009

Lims Bat # : LIMIT-25129

Page 2 of 7

QC Batch Number: BATCH-16572

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-132627					
	Chlorobenzene	Blank	<0.17	ug/m3	
	Chloromethane	Blank	<0.07	ug/m3	
	Bromomethane	Blank	<0.14	ug/m3	
	Chloroethane	Blank	<0.10	ug/m3	
	cis-1,3-Dichloropropene	Blank	<0.16	ug/m3	
	trans-1,3-Dichloropropene	Blank	<0.16	ug/m3	
	Chlorodibromomethane	Blank	<0.31	ug/m3	
	1,1,2-Trichloroethane	Blank	<0.19	ug/m3	
	Bromoform	Blank	<0.36	ug/m3	
	1,1,2,2-Tetrachloroethane	Blank	<0.24	ug/m3	
	Hexachlorobutadiene	Blank	<0.75	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.26	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.18	ug/m3	
	1,3,5-Trimethylbenzene	Blank	<0.18	ug/m3	
	Cyclohexane	Blank	<0.12	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.14	ug/m3	
	1,2-Dichloropropane	Blank	<0.17	ug/m3	
	Dichlorodifluoromethane	Blank	<0.18	ug/m3	
	Benzyl Chloride	Blank	<0.19	ug/m3	
	Carbon Disulfide	Blank	<0.12	ug/m3	
	Vinyl Acetate	Blank	<0.50	ug/m3	
	2-Hexanone	Blank	<0.14	ug/m3	
	Bromodichloromethane	Blank	<0.24	ug/m3	
	1,2-Dibromoethane	Blank	<0.27	ug/m3	
	n-Heptane	Blank	<0.14	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.25	ug/m3	
	Tetrahydrofuran	Blank	<0.11	ug/m3	
	Propene	Blank	<0.13	ug/m3	
	1,3-Butadiene	Blank	<0.08	ug/m3	
LFBLANK-94916					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	11.45	ug/m3	
		Lab Fort Blk. % Rec.	96.45	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	13.97	ug/m3	
		Lab Fort Blk. % Rec.	87.59	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	29.03	ug/m3	
		Lab Fort Blk. % Rec.	92.32	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	20.92	ug/m3	
		Lab Fort Blk. % Rec.	85.99	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	



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

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: 5/12/2009

Lims Bat # : LIMIT-25129

Page 3 of 7

QC Batch Number: BATCH-16572

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94916	1,2-Dichloroethane	Lab Fort Blk. Found	17.89	ug/m3	
		Lab Fort Blk. % Rec.	88.38	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
	1,4-Dichlorobenzene	Lab Fort Blk. Found	34.98	ug/m3	
		Lab Fort Blk. % Rec.	116.38	%	70-130
		Lab Fort Blank Amt.	18.01	ug/m3	
Ethyl Acetate		Lab Fort Blk. Found	17.90	ug/m3	
		Lab Fort Blk. % Rec.	99.38	%	50-150
		Lab Fort Blank Amt.	21.67	ug/m3	
Ethylbenzene		Lab Fort Blk. Found	20.25	ug/m3	
		Lab Fort Blk. % Rec.	93.44	%	70-130
		Lab Fort Blank Amt.	17.62	ug/m3	
Hexane		Lab Fort Blk. Found	17.93	ug/m3	
		Lab Fort Blk. % Rec.	101.78	%	70-130
		Lab Fort Blank Amt.	12.28	ug/m3	
Isopropanol		Lab Fort Blk. Found	15.21	ug/m3	
		Lab Fort Blk. % Rec.	123.82	%	50-150
		Lab Fort Blank Amt.	14.74	ug/m3	
2-Butanone (MEK)		Lab Fort Blk. Found	15.27	ug/m3	
		Lab Fort Blk. % Rec.	103.62	%	70-130
		Lab Fort Blank Amt.	20.48	ug/m3	
4-Methyl-2-Pentanone (MIBK)		Lab Fort Blk. Found	24.63	ug/m3	
		Lab Fort Blk. % Rec.	120.26	%	70-130
		Lab Fort Blank Amt.	21.26	ug/m3	
Styrene		Lab Fort Blk. Found	21.29	ug/m3	
		Lab Fort Blk. % Rec.	100.12	%	70-130
		Lab Fort Blank Amt.	33.90	ug/m3	
Tetrachloroethylene		Lab Fort Blk. Found	33.96	ug/m3	
		Lab Fort Blk. % Rec.	100.18	%	70-130
		Lab Fort Blank Amt.	18.81	ug/m3	
Toluene		Lab Fort Blk. Found	17.42	ug/m3	
		Lab Fort Blk. % Rec.	92.60	%	70-130
		Lab Fort Blank Amt.	27.28	ug/m3	
1,1,1-Trichloroethane		Lab Fort Blk. Found	23.42	ug/m3	
		Lab Fort Blk. % Rec.	85.88	%	70-130
		Lab Fort Blank Amt.	26.87	ug/m3	
Trichloroethylene		Lab Fort Blk. Found	25.14	ug/m3	
		Lab Fort Blk. % Rec.	93.58	%	70-130
		Lab Fort Blank Amt.	38.31	ug/m3	
1,1,2-Trichloro-1,2,2-Trifluoroethane		Lab Fort Blk. Found	40.07	ug/m3	
		Lab Fort Blk. % Rec.	104.58	%	70-130
		Lab Fort Blank Amt.	28.09	ug/m3	
Trichlorofluoromethane		Lab Fort Blk. Found	27.98	ug/m3	



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

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: 5/12/2009

Lims Bat # : LIMIT-25129

Page 4 of 7

QC Batch Number: BATCH-16572

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94916					
	Trichlorofluoromethane	Lab Fort Blk. % Rec.	99.61	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	20.79	ug/m3	
	m/p-Xylene	Lab Fort Blk. % Rec.	95.76	%	70-130
		Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	39.86	ug/m3	
	1,2-Dichlorobenzene	Lab Fort Blk. % Rec.	91.78	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	34.76	ug/m3	
	1,3-Dichlorobenzene	Lab Fort Blk. % Rec.	115.64	%	70-130
		Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	34.83	ug/m3	
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	115.88	%	70-130
		Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	17.07	ug/m3	
	1,1-Dichloroethylene	Lab Fort Blk. % Rec.	84.34	%	70-130
		Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	19.05	ug/m3	
	Ethanol	Lab Fort Blk. % Rec.	96.06	%	70-130
		Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	11.90	ug/m3	
	4-Ethyl Toluene	Lab Fort Blk. % Rec.	126.38	%	50-150
		Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	25.95	ug/m3	
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blk. % Rec.	105.58	%	50-150
		Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	15.14	ug/m3	
	t-1,2-Dichloroethylene	Lab Fort Blk. % Rec.	84.00	%	70-130
		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	16.99	ug/m3	
	Vinyl Chloride	Lab Fort Blk. % Rec.	85.73	%	70-130
		Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	12.05	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	94.30	%	70-130
		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	20.71	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	119.32	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.83	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	99.17	%	70-130
		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.67	ug/m3	
		Lab Fort Blk. % Rec.	103.40	%	70-130



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

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: 5/12/2009

Lims Bat # : LIMIT-25129

Page 5 of 7

QC Batch Number: BATCH-16572

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94916	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	19.10	ug/m3	
		Lab Fort Blk. % Rec.	98.46	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	12.54	ug/m3	
		Lab Fort Blk. % Rec.	95.09	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	20.34	ug/m3	
		Lab Fort Blk. % Rec.	89.62	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	20.35	ug/m3	
		Lab Fort Blk. % Rec.	89.67	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	44.68	ug/m3	
		Lab Fort Blk. % Rec.	104.90	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	25.44	ug/m3	
		Lab Fort Blk. % Rec.	93.28	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	60.73	ug/m3	
		Lab Fort Blk. % Rec.	117.48	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	36.74	ug/m3	
		Lab Fort Blk. % Rec.	107.02	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	57.76	ug/m3	
		Lab Fort Blk. % Rec.	108.30	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	44.20	ug/m3	
		Lab Fort Blk. % Rec.	119.14	%	70-130
1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3		
	Lab Fort Blk. Found	24.83	ug/m3		
	Lab Fort Blk. % Rec.	101.02	%	70-130	
1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3		
	Lab Fort Blk. Found	24.90	ug/m3		
	Lab Fort Blk. % Rec.	101.32	%	70-130	
Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3		
	Lab Fort Blk. Found	18.94	ug/m3		
	Lab Fort Blk. % Rec.	110.10	%	50-150	
cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3		
	Lab Fort Blk. Found	17.20	ug/m3		
	Lab Fort Blk. % Rec.	86.75	%	70-130	
1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3		



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

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: 5/12/2009

Lims Bat # : LIMIT-25129

Page 6 of 7

QC Batch Number: BATCH-16572

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-94916	1,2-Dichloropropane	Lab Fort Blk. Found	20.83	ug/m3	
		Lab Fort Blk. % Rec.	90.15	%	70-130
		Lab Fort Blank Amt.	24.72	ug/m3	
	Dichlorodifluoromethane	Lab Fort Blk. Found	22.01	ug/m3	
		Lab Fort Blk. % Rec.	89.04	%	70-130
		Lab Fort Blank Amt.	25.88	ug/m3	
	Benzyl Chloride	Lab Fort Blk. Found	26.81	ug/m3	
		Lab Fort Blk. % Rec.	103.60	%	70-130
		Lab Fort Blank Amt.	15.57	ug/m3	
	Carbon Disulfide	Lab Fort Blk. Found	14.26	ug/m3	
		Lab Fort Blk. % Rec.	91.60	%	70-130
		Lab Fort Blank Amt.	17.60	ug/m3	
	Vinyl Acetate	Lab Fort Blk. Found	15.37	ug/m3	
		Lab Fort Blk. % Rec.	87.32	%	70-130
		Lab Fort Blank Amt.	20.48	ug/m3	
	2-Hexanone	Lab Fort Blk. Found	23.82	ug/m3	
		Lab Fort Blk. % Rec.	116.34	%	50-150
		Lab Fort Blank Amt.	33.50	ug/m3	
	Bromodichloromethane	Lab Fort Blk. Found	32.10	ug/m3	
		Lab Fort Blk. % Rec.	95.82	%	70-130
		Lab Fort Blank Amt.	38.42	ug/m3	
	1,2-Dibromoethane	Lab Fort Blk. Found	38.67	ug/m3	
		Lab Fort Blk. % Rec.	100.66	%	70-130
		Lab Fort Blank Amt.	20.49	ug/m3	
	n-Heptane	Lab Fort Blk. Found	20.44	ug/m3	
		Lab Fort Blk. % Rec.	99.77	%	50-150
		Lab Fort Blank Amt.	34.95	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blk. Found	32.96	ug/m3	
		Lab Fort Blk. % Rec.	94.30	%	70-130
		Lab Fort Blank Amt.	14.74	ug/m3	
	Tetrahydrofuran	Lab Fort Blk. Found	16.65	ug/m3	
		Lab Fort Blk. % Rec.	112.98	%	50-150
		Lab Fort Blank Amt.	8.60	ug/m3	
	Propene	Lab Fort Blk. Found	8.94	ug/m3	
		Lab Fort Blk. % Rec.	103.94	%	50-150
		Lab Fort Blank Amt.	11.06	ug/m3	
	1,3-Butadiene	Lab Fort Blk. Found	11.95	ug/m3	
		Lab Fort Blk. % Rec.	108.08	%	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: 5/12/2009 Lims Bat #: LIMIT-25129 Page 7 of 7

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
 www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: Mactec Engineering
 Address: 107A Colburn Rd. Suite 301
Wakefield, MA 01880

Telephone: (781) 215-6600
 Project # 3650020117
 Client PO # 200901907

Attention: Kelly Chatterton

Project Location: Groham Site, Providence, RI
 Implied By: MAA

Proposal Provided? (For Billing purposes)
 Yes 3-3-07 proposal date

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Email: Kelly.Chatterton@mactec.com
 Format: EXCEL PDF GIS KEY OTHER

Equipped for
 YES
 NO

Sample ID	Sample Description	Media Lab #	Date		Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	Analysis Requested	Please fill out completely, sign, date and retain the yellow copy for your record.
			Start Time	Stop Time						
IA-1-012109		09B13807					IA	X	1662	41020
IA-2-012109				08			IA	X	1235	41067
IA-3-012109				09			IA	X	1161	41066
IA-4-012109				10			IA	X	1617	41072
AA-1-012109				11			AMB FAN TUBES	X	1137	41070
EW-Combined				12			AMB FAN TUBES	X	1311	41071

Laboratory Comments:

CLIENT COMMENTS:

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 (com.)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: CT Target
 Other: Indoor Air Cert.
 (Compliance)

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

Media Codes:
 S= Summa can
 T= Teflon bag
 P= PUF
 T= Tube
 F= Filter
 C= Cassette
 O= Other

Signature: Mark Messier Date/Time: 4/24/09 10:30
 Signature: Don Mc Date/Time: 4/24/09 16:15
 Signature: Mark Messier Date/Time: 4/24/09 16:15

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 CORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

134



www.contestlabs.com

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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: Waste
RECEIVED BY: Km DATE: 04/27/09

- 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:

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	
Restrictors	6
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: 200904907

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-25169
 JOB NUMBER: 3650080114

PROJECT LOCATION: GORHAM SITE-PROVIDENCE-RI

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
*AA-1-051509	09B14122	AIR	Not Specified	to-15 ppbv	
*AA-1-051509	09B14122	AIR	Not Specified	to-15 ug/m3	
*EW-5-051509	09B14119	AIR	Not Specified	to-15 ppbv	
*EW-5-051509	09B14119	AIR	Not Specified	to-15 ug/m3	
*EW-6-051509	09B14120	AIR	Not Specified	to-15 ppbv	
*EW-6-051509	09B14120	AIR	Not Specified	to-15 ug/m3	
*EW-7-051509	09B14121	AIR	Not Specified	to-15 ppbv	
*EW-7-051509	09B14121	AIR	Not Specified	to-15 ug/m3	
*IA-5-051509	09B14116	AIR	Not Specified	to-15 ppbv	
*IA-5-051509	09B14116	AIR	Not Specified	to-15 ug/m3	
*IA-6-051509	09B14117	AIR	Not Specified	to-15 ppbv	
*IA-6-051509	09B14117	AIR	Not Specified	to-15 ug/m3	
*IA-7-051509	09B14118	AIR	Not Specified	to-15 ppbv	
*IA-7-051509	09B14118	AIR	Not Specified	to-15 ug/m3	
*LRAIR01	09B14106	AIR	Not Specified	to-15 ppbv	
*LRAIR01	09B14106	AIR	Not Specified	to-15 ug/m3	
*LRAIR02	09B14107	AIR	Not Specified	to-15 ppbv	
*LRAIR02	09B14107	AIR	Not Specified	to-15 ug/m3	
*LRAIR03	09B14108	AIR	Not Specified	to-15 ppbv	
*LRAIR03	09B14108	AIR	Not Specified	to-15 ug/m3	
*LRAIR04	09B14109	AIR	Not Specified	to-15 ppbv	
*LRAIR04	09B14109	AIR	Not Specified	to-15 ug/m3	
*LRAIR05	09B14110	AIR	Not Specified	to-15 ppbv	
*LRAIR05	09B14110	AIR	Not Specified	to-15 ug/m3	
*LRAIR06	09B14111	AIR	Not Specified	to-15 ppbv	
*LRAIR06	09B14111	AIR	Not Specified	to-15 ug/m3	
*LRAIR07	09B14112	AIR	Not Specified	to-15 ppbv	
*LRAIR07	09B14112	AIR	Not Specified	to-15 ug/m3	
*LRAIR08	09B14113	AIR	Not Specified	to-15 ppbv	
*LRAIR08	09B14113	AIR	Not Specified	to-15 ug/m3	
*LRAIR09	09B14114	AIR	Not Specified	to-15 ppbv	
*LRAIR09	09B14114	AIR	Not Specified	to-15 ug/m3	
*LRAIR10	09B14115	AIR	Not Specified	to-15 ppbv	
*LRAIR10	09B14115	AIR	Not Specified	to-15 ug/m3	

**CHECKED FOR COMPLETENESS
 OF PARAMETERS ORDERED BY:**





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

REPORT DATE 5/22/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200904907

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-25169
JOB NUMBER: 3650080114

Comments :

LIMS BATCH NO. : LIMIT-25169

CASE NARRATIVE SUMMARY

In method TO-15, method blank-132794 associated with samples 09B14106 - 09B14122 contained Methylene Chloride at 0.16 ppbv = 0.58 ug/m3, Ethanol at 0.11 ppbv = 0.21 ug/m3 and Isopropanol at 0.02 ppbv = 0.06 ug/m3.

In method TO-15, method blank-132797 associated with 4000x dilution contained Acetone at 0.13 ppbv = 0.31 ug/m3, 2-Butanone(MEK) at 0.17 ppbv = 0.52 ug/m3 and Tetrahydrofuran at 0.07 ppbv = 0.20 ug/m3.

In method TO-15, any reported result for Bromomethane is estimated and likely to be biased on the low side based on continuing calibration bias.

In method TO-15, any reported result for Bromomethane is likely to be biased on the low side based on laboratory fortified blank recovery bias.

In method TO-15, for sample 09B14116, reported result for Ethanol is estimated. Value is reported over the verified linear calibration range.

In method TO-15, reduced precision is anticipated for reported result for 2-Butanone(MEK) in sample 09B14122 based on sample duplicate RPD outside of control limits.

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). Lists samples 09B14106 through 09B14122 and their corresponding dilutions and analyzed compounds.



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

REPORT DATE 5/22/2009

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

CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200904907

PROJECT NUMBER: 3650080114

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-25169
JOB NUMBER: 3650080114

09B14122dup 1x All
blank-132794 0.5x = 800 ml sample All
blank-132797 0.5x = 800 ml sample All

Method blank-132794 is associated with samples 09B14106 - 09B14122 and 40x dilutions.
Method blank-132797 is associated with 4000x dilution.

Lfblank-95113 is associated with samples 09B14106 - 09B14122 and 40x dilutions.
Lfblank-95116 is associated with 4000x dilution.

In method TO-15, data is not affected by laboratory fortified blank recovery outliers for Bromoform and Benzyl chloride since all results are "not detected" and recovery bias is on the high side.

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

DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

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

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

5/22/2009
 Page 1 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : AA-1-051509

Sample ID : *09B14122 ‡Sampled : 5/15/2009
 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		05/18/09	XC
Benzene	PPBv	0.13	0.05		05/18/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/18/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/18/09	XC
Bromoform	PPBv	ND	0.05		05/18/09	XC
Bromomethane	PPBv	ND	0.05		05/18/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/18/09	XC
2-Butanone (MEK)	PPBv	0.56	0.05		05/18/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/18/09	XC
Carbon Tetrachloride	PPBv	0.12	0.05		05/18/09	XC
Chlorobenzene	PPBv	ND	0.05		05/18/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/18/09	XC
Chloroethane	PPBv	ND	0.05		05/18/09	XC
Chloroform	PPBv	ND	0.05		05/18/09	XC
Chloromethane	PPBv	0.54	0.05		05/18/09	XC
Cyclohexane	PPBv	ND	0.05		05/18/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/18/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/18/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/18/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/18/09	XC
Dichlorodifluoromethane	PPBv	0.56	0.05		05/18/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/18/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/18/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/18/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/18/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/18/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/18/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/18/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/18/09	XC
Ethanol	PPBv	2.6	0.05		05/18/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/18/09	XC
Ethylbenzene	PPBv	ND	0.05		05/18/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/18/09	XC
n-Heptane	PPBv	0.10	0.05		05/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 2 of 72

Purchase Order No.: 200904907

Project Number: 3650080114

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : AA-1-051509

Sample ID : *09B14122 ‡Sampled : 5/15/2009
 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		05/18/09	XC
Hexane	PPBv	0.10	0.05		05/18/09	XC
2-Hexanone	PPBv	0.10	0.05		05/18/09	XC
Isopropanol	PPBv	0.41	0.05		05/18/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/18/09	XC
Methylene Chloride	PPBv	0.48	0.05		05/18/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		05/18/09	XC
Propene	PPBv	ND	0.05		05/18/09	XC
Styrene	PPBv	ND	0.05		05/18/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/18/09	XC
Tetrachloroethylene	PPBv	0.05	0.05		05/18/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/18/09	XC
Toluene	PPBv	0.70	0.05		05/18/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/18/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		05/18/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/18/09	XC
Trichloroethylene	PPBv	ND	0.05		05/18/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.27	0.05		05/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		05/18/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/18/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/18/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/18/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/18/09	XC
m/p-Xylene	PPBv	0.11	0.10		05/18/09	XC
o-Xylene	PPBv	0.06	0.05		05/18/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	9.5	0.12		05/18/09	XC
Benzene	ug/m3	0.40	0.16		05/18/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/18/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/18/09	XC
Bromoform	ug/m3	ND	0.51		05/18/09	XC
Bromomethane	ug/m3	ND	0.19		05/18/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/18/09	XC
2-Butanone (MEK)	ug/m3	1.6	0.15		05/18/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200904907

5/22/2009
 Page 3 of 72
 Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Field Sample # : AA-1-051509

Sample ID : *09B14122 ‡Sampled : 5/15/2009
 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	0.78	0.31		05/18/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/18/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/18/09	XC
Chloroethane	ug/m3	ND	0.13		05/18/09	XC
Chloroform	ug/m3	ND	0.24		05/18/09	XC
Chloromethane	ug/m3	1.1	0.10		05/18/09	XC
Cyclohexane	ug/m3	ND	0.17		05/18/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/18/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/18/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/18/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/18/09	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		05/18/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/18/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/18/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/18/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/18/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/18/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/18/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/18/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/18/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/18/09	XC
Ethanol	ug/m3	4.8	0.09		05/18/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/18/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/18/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/18/09	XC
n-Heptane	ug/m3	0.40	0.20		05/18/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/18/09	XC
Hexane	ug/m3	0.37	0.18		05/18/09	XC
2-Hexanone	ug/m3	0.39	0.20		05/18/09	XC
Isopropanol	ug/m3	1.0	0.12		05/18/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/18/09	XC
Methylene Chloride	ug/m3	1.7	0.17		05/18/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		05/18/09	XC
Propene	ug/m3	ND	0.09		05/18/09	XC
Styrene	ug/m3	ND	0.21		05/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 4 of 72

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Field Sample # : AA-1-051509

Sample ID : *09B14122 ‡Sampled : 5/15/2009
 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		05/18/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		05/18/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/18/09	XC
Toluene	ug/m3	2.6	0.19		05/18/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/18/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		05/18/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/18/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/18/09	XC
Trichlorofluoromethane	ug/m3	1.5	0.28		05/18/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.67	0.38		05/18/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/18/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/18/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/18/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/18/09	XC
m/p-Xylene	ug/m3	0.49	0.43		05/18/09	XC
o-Xylene	ug/m3	0.24	0.22		05/18/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 5 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : EW-5-051509

Sample ID : *09B14119 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5800	0.50		05/19/09	XC
Benzene	PPBv	3.4	0.50		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.50		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.50		05/19/09	XC
Bromoform	PPBv	ND	0.50		05/19/09	XC
Bromomethane	PPBv	ND	0.50		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.50		05/19/09	XC
2-Butanone (MEK)	PPBv	35000	0.50		05/19/09	XC
Carbon Disulfide	PPBv	1.3	0.50		05/19/09	XC
Carbon Tetrachloride	PPBv	ND	0.50		05/19/09	XC
Chlorobenzene	PPBv	ND	0.50		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.50		05/19/09	XC
Chloroethane	PPBv	4.0	0.50		05/19/09	XC
Chloroform	PPBv	1.5	0.50		05/19/09	XC
Chloromethane	PPBv	ND	0.50		05/19/09	XC
Cyclohexane	PPBv	ND	0.50		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.50		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.50		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.50		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.50		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.61	0.50		05/19/09	XC
1,1-Dichloroethane	PPBv	110	0.50		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.50		05/19/09	XC
1,1-Dichloroethylene	PPBv	40	0.50		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	68	0.50		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	0.66	0.50		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.50		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.50		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.50		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.50		05/19/09	XC
Ethanol	PPBv	16	0.50		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.50		05/19/09	XC
Ethylbenzene	PPBv	ND	0.50		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.50		05/19/09	XC
n-Heptane	PPBv	ND	0.50		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 6 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : EW-5-051509

Sample ID : *09B14119 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	1.0		05/19/09	XC
Hexane	PPBv	0.93	0.50		05/19/09	XC
2-Hexanone	PPBv	0.65	0.50		05/19/09	XC
Isopropanol	PPBv	9.9	0.50		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.50		05/19/09	XC
Methylene Chloride	PPBv	6.2	0.50		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.50		05/19/09	XC
Propene	PPBv	ND	0.50		05/19/09	XC
Styrene	PPBv	0.52	0.50		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.50		05/19/09	XC
Tetrachloroethylene	PPBv	3.2	0.50		05/19/09	XC
Tetrahydrofuran	PPBv	21000	0.50		05/19/09	XC
Toluene	PPBv	0.58	0.50		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.50		05/19/09	XC
1,1,1-Trichloroethane	PPBv	570	0.50		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.50		05/19/09	XC
Trichloroethylene	PPBv	830	0.50		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	4.8	0.50		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.50		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.50		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.50		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.50		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.50		05/19/09	XC
m/p-Xylene	PPBv	ND	1.0		05/19/09	XC
o-Xylene	PPBv	ND	0.50		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	14000	1.2		05/19/09	XC
Benzene	ug/m3	11	1.6		05/19/09	XC
Benzyl Chloride	ug/m3	ND	2.6		05/19/09	XC
Bromodichloromethane	ug/m3	ND	3.3		05/19/09	XC
Bromoform	ug/m3	ND	5.1		05/19/09	XC
Bromomethane	ug/m3	ND	1.9		05/19/09	XC
1,3-Butadiene	ug/m3	ND	1.1		05/19/09	XC
2-Butanone (MEK)	ug/m3	100000	1.5		05/19/09	XC
Carbon Disulfide	ug/m3	4.0	1.6		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Project Location: GORHAM SITE-PROVIDENCE-RI
Date Received: 5/15/2009

Purchase Order No.: 200904907

5/22/2009
Page 7 of 72
Project Number: 3650080114
LIMS-BAT #: LIMIT-25169
Job Number: 3650080114

Field Sample # : EW-5-051509

Sample ID : *09B14119 ‡Sampled : 5/15/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	ND	3.1		05/19/09	XC
Chlorobenzene	ug/m3	ND	2.3		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	4.3		05/19/09	XC
Chloroethane	ug/m3	11	1.3		05/19/09	XC
Chloroform	ug/m3	7.2	2.4		05/19/09	XC
Chloromethane	ug/m3	ND	1.0		05/19/09	XC
Cyclohexane	ug/m3	ND	1.7		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	3.8		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	3.0		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	3.0		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	3.0		05/19/09	XC
Dichlorodifluoromethane	ug/m3	3.0	2.5		05/19/09	XC
1,1-Dichloroethane	ug/m3	450	2.0		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	2.0		05/19/09	XC
1,1-Dichloroethylene	ug/m3	160	2.0		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	270	2.0		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	2.6	2.0		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	2.3		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	2.2		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	2.2		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	3.5		05/19/09	XC
Ethanol	ug/m3	30	0.90		05/19/09	XC
Ethyl Acetate	ug/m3	ND	1.8		05/19/09	XC
Ethylbenzene	ug/m3	ND	2.2		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	2.5		05/19/09	XC
n-Heptane	ug/m3	ND	2.0		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	11		05/19/09	XC
Hexane	ug/m3	3.3	1.8		05/19/09	XC
2-Hexanone	ug/m3	2.7	2.0		05/19/09	XC
Isopropanol	ug/m3	24	1.2		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	1.8		05/19/09	XC
Methylene Chloride	ug/m3	21	1.7		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	2.0		05/19/09	XC
Propene	ug/m3	ND	0.90		05/19/09	XC
Styrene	ug/m3	2.2	2.1		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 10 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : EW-6-051509

Sample ID : *09B14120 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	1.0		05/19/09	XC
Hexane	PPBv	ND	0.50		05/19/09	XC
2-Hexanone	PPBv	ND	0.50		05/19/09	XC
Isopropanol	PPBv	3.3	0.50		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.50		05/19/09	XC
Methylene Chloride	PPBv	3.5	0.50		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.50		05/19/09	XC
Propene	PPBv	ND	0.50		05/19/09	XC
Styrene	PPBv	ND	0.50		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.50		05/19/09	XC
Tetrachloroethylene	PPBv	27	0.50		05/19/09	XC
Tetrahydrofuran	PPBv	36	0.50		05/19/09	XC
Toluene	PPBv	ND	0.50		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.50		05/19/09	XC
1,1,1-Trichloroethane	PPBv	1500	0.50		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.50		05/19/09	XC
Trichloroethylene	PPBv	1000	0.50		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	41	0.50		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.50		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.50		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.50		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.50		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.50		05/19/09	XC
m/p-Xylene	PPBv	ND	1.0		05/19/09	XC
o-Xylene	PPBv	ND	0.50		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	16	1.2		05/19/09	XC
Benzene	ug/m3	1.7	1.6		05/19/09	XC
Benzyl Chloride	ug/m3	ND	2.6		05/19/09	XC
Bromodichloromethane	ug/m3	ND	3.3		05/19/09	XC
Bromoform	ug/m3	ND	5.1		05/19/09	XC
Bromomethane	ug/m3	ND	1.9		05/19/09	XC
1,3-Butadiene	ug/m3	ND	1.1		05/19/09	XC
2-Butanone (MEK)	ug/m3	37	1.5		05/19/09	XC
Carbon Disulfide	ug/m3	ND	1.6		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200904907

5/22/2009
 Page 11 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : EW-6-051509

Sample ID : *09B14120 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
Carbon Tetrachloride	ug/m3	ND	3.1		05/19/09	XC
Chlorobenzene	ug/m3	ND	2.3		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	4.3		05/19/09	XC
Chloroethane	ug/m3	13	1.3		05/19/09	XC
Chloroform	ug/m3	14	2.4		05/19/09	XC
Chloromethane	ug/m3	ND	1.0		05/19/09	XC
Cyclohexane	ug/m3	ND	1.7		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	3.8		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	3.0		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	3.0		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	3.0		05/19/09	XC
Dichlorodifluoromethane	ug/m3	3.6	2.5		05/19/09	XC
1,1-Dichloroethane	ug/m3	1200	2.0		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	2.0		05/19/09	XC
1,1-Dichloroethylene	ug/m3	87	2.0		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	190	2.0		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	2.6	2.0		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	2.3		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	2.2		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	2.2		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	3.5		05/19/09	XC
Ethanol	ug/m3	18	0.90		05/19/09	XC
Ethyl Acetate	ug/m3	ND	1.8		05/19/09	XC
Ethylbenzene	ug/m3	ND	2.2		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	2.5		05/19/09	XC
n-Heptane	ug/m3	ND	2.0		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	11		05/19/09	XC
Hexane	ug/m3	ND	1.8		05/19/09	XC
2-Hexanone	ug/m3	ND	2.0		05/19/09	XC
Isopropanol	ug/m3	8.2	1.2		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	1.8		05/19/09	XC
Methylene Chloride	ug/m3	12	1.7		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	2.0		05/19/09	XC
Propene	ug/m3	ND	0.90		05/19/09	XC
Styrene	ug/m3	ND	2.1		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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.: 200904907

Project Location: GORHAM SITE-PROVIDENCE-RI
Date Received: 5/15/2009

5/22/2009
Page 12 of 72

Project Number: 3650080114
LIMS-BAT #: LIMIT-25169
Job Number: 3650080114

Field Sample # : EW-6-051509

Sample ID : *09B14120 ‡Sampled : 5/15/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	3.4		05/19/09	XC
Tetrachloroethylene	ug/m3	190	3.4		05/19/09	XC
Tetrahydrofuran	ug/m3	110	1.5		05/19/09	XC
Toluene	ug/m3	ND	1.9		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	3.7		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	8200	2.7		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	2.7		05/19/09	XC
Trichloroethylene	ug/m3	5400	2.7		05/19/09	XC
Trichlorofluoromethane	ug/m3	230	2.8		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	3.8		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	2.5		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	2.5		05/19/09	XC
Vinyl Acetate	ug/m3	ND	1.8		05/19/09	XC
Vinyl Chloride	ug/m3	ND	1.3		05/19/09	XC
m/p-Xylene	ug/m3	ND	4.3		05/19/09	XC
o-Xylene	ug/m3	ND	2.2		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009

Page 13 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
Date Received: 5/15/2009

Project Number: 3650080114

LIMS-BAT #: LIMIT-25169

Job Number: 3650080114

Field Sample # : EW-7-051509

Sample ID : *09B14121 ‡Sampled : 5/15/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	10	0.50		05/19/09	XC
Benzene	PPBv	0.81	0.50		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.50		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.50		05/19/09	XC
Bromoform	PPBv	ND	0.50		05/19/09	XC
Bromomethane	PPBv	ND	0.50		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.50		05/19/09	XC
2-Butanone (MEK)	PPBv	2.4	0.50		05/19/09	XC
Carbon Disulfide	PPBv	1.0	0.50		05/19/09	XC
Carbon Tetrachloride	PPBv	ND	0.50		05/19/09	XC
Chlorobenzene	PPBv	ND	0.50		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.50		05/19/09	XC
Chloroethane	PPBv	3.6	0.50		05/19/09	XC
Chloroform	PPBv	0.56	0.50		05/19/09	XC
Chloromethane	PPBv	ND	0.50		05/19/09	XC
Cyclohexane	PPBv	ND	0.50		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.50		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.50		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.50		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.50		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.58	0.50		05/19/09	XC
1,1-Dichloroethane	PPBv	250	0.50		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.50		05/19/09	XC
1,1-Dichloroethylene	PPBv	1.1	0.50		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	270	0.50		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	31	0.50		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.50		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.50		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.50		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.50		05/19/09	XC
Ethanol	PPBv	10	0.50		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.50		05/19/09	XC
Ethylbenzene	PPBv	ND	0.50		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.50		05/19/09	XC
n-Heptane	PPBv	ND	0.50		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 14 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : EW-7-051509

Sample ID : *09B14121 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Hexachlorobutadiene	PPBv	ND	1.0		05/19/09	XC
Hexane	PPBv	1.1	0.50		05/19/09	XC
2-Hexanone	PPBv	ND	0.50		05/19/09	XC
Isopropanol	PPBv	4.7	0.50		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.50		05/19/09	XC
Methylene Chloride	PPBv	8.4	0.50		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.50		05/19/09	XC
Propene	PPBv	ND	0.50		05/19/09	XC
Styrene	PPBv	ND	0.50		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.50		05/19/09	XC
Tetrachloroethylene	PPBv	21	0.50		05/19/09	XC
Tetrahydrofuran	PPBv	1.9	0.50		05/19/09	XC
Toluene	PPBv	ND	0.50		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.50		05/19/09	XC
1,1,1-Trichloroethane	PPBv	660	0.50		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.50		05/19/09	XC
Trichloroethylene	PPBv	61	0.50		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	56	0.50		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	ND	0.50		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.50		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.50		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.50		05/19/09	XC
Vinyl Chloride	PPBv	1.0	0.50		05/19/09	XC
m/p-Xylene	PPBv	ND	1.0		05/19/09	XC
o-Xylene	PPBv	ND	0.50		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	24	1.2		05/19/09	XC
Benzene	ug/m3	2.6	1.6		05/19/09	XC
Benzyl Chloride	ug/m3	ND	2.6		05/19/09	XC
Bromodichloromethane	ug/m3	ND	3.3		05/19/09	XC
Bromoform	ug/m3	ND	5.1		05/19/09	XC
Bromomethane	ug/m3	ND	1.9		05/19/09	XC
1,3-Butadiene	ug/m3	ND	1.1		05/19/09	XC
2-Butanone (MEK)	ug/m3	7.1	1.5		05/19/09	XC
Carbon Disulfide	ug/m3	3.2	1.6		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 16 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : EW-7-051509

Sample ID : *09B14121 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR Sample Medium : SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ug/m				EPA TO-15		
1,1,2,2-Tetrachloroethane	ug/m3	ND	3.4		05/19/09	XC
Tetrachloroethylene	ug/m3	140	3.4		05/19/09	XC
Tetrahydrofuran	ug/m3	5.6	1.5		05/19/09	XC
Toluene	ug/m3	ND	1.9		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	3.7		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	3600	2.7		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	2.7		05/19/09	XC
Trichloroethylene	ug/m3	330	2.7		05/19/09	XC
Trichlorofluoromethane	ug/m3	310	2.8		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	3.8		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	2.5		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	2.5		05/19/09	XC
Vinyl Acetate	ug/m3	ND	1.8		05/19/09	XC
Vinyl Chloride	ug/m3	2.7	1.3		05/19/09	XC
m/p-Xylene	ug/m3	ND	4.3		05/19/09	XC
o-Xylene	ug/m3	ND	2.2		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 17 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-5-051509

Sample ID : *09B14116 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.7	0.05		05/19/09	XC
Benzene	PPBv	0.16	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	0.06	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.64	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.51	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	98	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	0.09	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

5/22/2009
 Page 18 of 72

Purchase Order No.: 200904907
 Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-5-051509

Sample ID : *09B14116 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.16	0.05		05/19/09	XC
2-Hexanone	PPBv	0.11	0.05		05/19/09	XC
Isopropanol	PPBv	0.81	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.83	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	ND	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.07	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.76	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	ND	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.12	0.10		05/19/09	XC
o-Xylene	PPBv	0.05	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	14	0.12		05/19/09	XC
Benzene	ug/m3	0.49	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	0.23	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	1.9	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

5/22/2009
Page 19 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-25169
Job Number: 3650080114

Field Sample # : IA-5-051509

Sample ID : *09B14116 ‡Sampled : 5/15/2009
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	0.64	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.0	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.5	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	180	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	0.38	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.58	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.45	0.20		05/19/09	XC
Isopropanol	ug/m3	2.0	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	2.9	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 20 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-5-051509

Sample ID : *09B14116 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.47	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	2.8	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.3	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.61	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.51	0.43		05/19/09	XC
o-Xylene	ug/m3	0.23	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

5/22/2009
Page 21 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
LIMS-BAT #: LIMIT-25169
Job Number: 3650080114

Field Sample # : IA-6-051509

Sample ID : *09B14117 ‡Sampled : 5/15/2009
Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.5	0.05		05/19/09	XC
Benzene	PPBv	0.15	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.83	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.12	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.52	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.55	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	27	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 22 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-6-051509

Sample ID : *09B14117 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.11	0.05		05/19/09	XC
2-Hexanone	PPBv	0.15	0.05		05/19/09	XC
Isopropanol	PPBv	1.8	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.58	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.08	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	0.06	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	ND	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.22	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	ND	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.10	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	ND	0.10		05/19/09	XC
o-Xylene	PPBv	ND	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	11	0.12		05/19/09	XC
Benzene	ug/m3	0.47	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	2.5	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 23 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-6-051509

Sample ID : *09B14117 ‡Sampled : 5/15/2009
 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	0.77	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.1	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	51	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.38	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.62	0.20		05/19/09	XC
Isopropanol	ug/m3	4.5	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	2.0	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.34	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	0.25	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 24 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-6-051509

Sample ID : *09B14117 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.81	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.2	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.74	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	ND	0.43		05/19/09	XC
o-Xylene	ug/m3	ND	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 25 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-7-051509

Sample ID : *09B14118 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.2	0.05		05/19/09	XC
Benzene	PPBv	0.11	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.79	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.45	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.48	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	5.8	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 26 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-7-051509

Sample ID : *09B14118 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.09	0.05		05/19/09	XC
2-Hexanone	PPBv	0.13	0.05		05/19/09	XC
Isopropanol	PPBv	2.8	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.65	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.05	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	ND	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.16	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	ND	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.19	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	ND	0.10		05/19/09	XC
o-Xylene	PPBv	ND	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	10	0.12		05/19/09	XC
Benzene	ug/m3	0.35	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	2.3	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

5/22/2009
 Page 27 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : IA-7-051509

Sample ID : *09B14118 ‡Sampled : 5/15/2009
 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	0.65	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	0.93	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.4	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	11	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.33	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.53	0.20		05/19/09	XC
Isopropanol	ug/m3	7.0	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	2.3	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.22	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

Purchase Order No.: 200904907

5/22/2009
Page 28 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
Date Received: 5/15/2009

Project Number: 3650080114
LIMS-BAT #: LIMIT-25169
Job Number: 3650080114

Field Sample # : IA-7-051509

Sample ID : *09B14118 ‡Sampled : 5/15/2009
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		05/19/09	XC
Tetrachloroethylene	ug/m3	ND	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.61	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.1	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.69	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	ND	0.43		05/19/09	XC
o-Xylene	ug/m3	ND	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

5/22/2009
 Page 29 of 72

Purchase Order No.: 200904907

Project Number: 3650080114

Project Location: GORHAM SITE-PROVIDENCE-RI

LIMS-BAT #: LIMIT-25169

Date Received: 5/15/2009

Job Number: 3650080114

Field Sample # : LRAIR01

Sample ID : *09B14106

‡Sampled : 5/15/2009

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		05/19/09	XC
Benzene	PPBv	0.17	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	1.1	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.11	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.51	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.51	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	35	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 30 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR01

Sample ID : *09B14106 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.32	0.05		05/19/09	XC
2-Hexanone	PPBv	0.18	0.05		05/19/09	XC
Isopropanol	PPBv	1.3	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	1.7	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.10	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	0.06	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.07	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.20	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.08	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	ND	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.13	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	12	0.12		05/19/09	XC
Benzene	ug/m3	0.54	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	3.3	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 31 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR01

Sample ID : *09B14106 ‡Sampled : 5/15/2009
 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	0.70	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.0	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.5	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	65	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	1.1	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.73	0.20		05/19/09	XC
Isopropanol	ug/m3	3.3	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	5.9	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.42	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	0.23	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 32 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR01

Sample ID : *09B14106 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.47	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.73	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.45	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.3	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.63	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.58	0.43		05/19/09	XC
o-Xylene	ug/m3	0.28	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 33 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR02

Sample ID : *09B14107 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.5	0.05		05/19/09	XC
Benzene	PPBv	0.19	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	1.1	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.11	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.47	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.47	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	4.8	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 34 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR02

Sample ID : *09B14107 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.06	0.05		05/19/09	XC
2-Hexanone	PPBv	0.16	0.05		05/19/09	XC
Isopropanol	PPBv	1.4	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.44	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.10	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.07	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.19	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.10	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	0.05	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.23	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.13	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	13	0.12		05/19/09	XC
Benzene	ug/m3	0.60	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	3.4	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 35 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR02

Sample ID : *09B14107 ‡Sampled : 5/15/2009
 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	0.68	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	0.98	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.3	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	9.0	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.21	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.66	0.20		05/19/09	XC
Isopropanol	ug/m3	3.4	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.5	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.39	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 36 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR02

Sample ID : *09B14107 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.47	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.70	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.52	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	0.28	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.3	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.60	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.57	0.43		05/19/09	XC
o-Xylene	ug/m3	0.28	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 37 of 72

Purchase Order No.: 200904907
 Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR03

Sample ID : *09B14108 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.2	0.05		05/19/09	XC
Benzene	PPBv	0.21	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.72	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.11	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.49	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.52	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	3.4	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

5/22/2009
 Page 38 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR03

Sample ID : *09B14108 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.05	0.05		05/19/09	XC
2-Hexanone	PPBv	0.09	0.05		05/19/09	XC
Isopropanol	PPBv	1.5	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.44	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.08	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.08	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.15	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.12	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	0.05	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.21	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.13	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	10	0.12		05/19/09	XC
Benzene	ug/m3	0.67	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	2.1	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 39 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR03

Sample ID : *09B14108 ‡Sampled : 5/15/2009
 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	0.71	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.0	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.6	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	6.5	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	ND	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.38	0.20		05/19/09	XC
Isopropanol	ug/m3	3.7	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.5	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.32	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 40 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR03

Sample ID : *09B14108 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.54	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.58	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.65	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	0.27	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.2	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.65	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.58	0.43		05/19/09	XC
o-Xylene	ug/m3	0.27	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 41 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR04

Sample ID : *09B14109 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.4	0.05		05/19/09	XC
Benzene	PPBv	0.17	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.90	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.11	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.46	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.49	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	3.1	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 42 of 72

Purchase Order No.: 200904907
 Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR04

Sample ID : *09B14109 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.05	0.05		05/19/09	XC
2-Hexanone	PPBv	0.12	0.05		05/19/09	XC
Isopropanol	PPBv	1.4	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.47	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.09	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	0.05	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.10	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.16	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.10	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	0.05	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.19	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	0.06	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.13	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	11	0.12		05/19/09	XC
Benzene	ug/m3	0.55	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	2.6	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 43 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR04

Sample ID : *09B14109 ‡Sampled : 5/15/2009
 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	0.68	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	0.95	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.4	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	5.9	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.18	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.51	0.20		05/19/09	XC
Isopropanol	ug/m3	3.5	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.6	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.36	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	0.22	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 44 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR04

Sample ID : *09B14109 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.66	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.59	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.57	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	0.29	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.1	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.62	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	0.29	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.55	0.43		05/19/09	XC
o-Xylene	ug/m3	0.27	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 45 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR05

Sample ID : *09B14110 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.6	0.05		05/19/09	XC
Benzene	PPBv	0.18	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.66	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.11	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.50	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.55	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	0.05	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	3.2	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 46 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR05

Sample ID : *09B14110 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.07	0.05		05/19/09	XC
2-Hexanone	PPBv	0.09	0.05		05/19/09	XC
Isopropanol	PPBv	1.5	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.56	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.13	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.10	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	0.07	0.05		05/19/09	XC
Toluene	PPBv	0.14	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.09	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	0.06	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.11	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	8.5	0.12		05/19/09	XC
Benzene	ug/m3	0.56	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	2.0	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 47 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR05

Sample ID : *09B14110 ‡Sampled : 5/15/2009
 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	0.68	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.0	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	6.0	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.24	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.37	0.20		05/19/09	XC
Isopropanol	ug/m3	3.6	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.9	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.54	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 48 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR05

Sample ID : *09B14110 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.64	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	0.20	0.15		05/19/09	XC
Toluene	ug/m3	0.51	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.51	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	0.34	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.4	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.64	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.49	0.43		05/19/09	XC
o-Xylene	ug/m3	0.25	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 49 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR06

Sample ID : *09B14111 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	3.2	0.05		05/19/09	XC
Benzene	PPBv	0.16	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.56	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.49	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.48	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	3.0	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 50 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR06

Sample ID : *09B14111 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.05	0.05		05/19/09	XC
2-Hexanone	PPBv	0.09	0.05		05/19/09	XC
Isopropanol	PPBv	1.4	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.46	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.07	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.09	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.14	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.08	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	0.05	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.22	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.11	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	7.7	0.12		05/19/09	XC
Benzene	ug/m3	0.51	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	1.6	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 51 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR06

Sample ID : *09B14111 ‡Sampled : 5/15/2009
 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	0.63	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.0	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.4	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	5.6	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	ND	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.38	0.20		05/19/09	XC
Isopropanol	ug/m3	3.4	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.6	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.27	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 52 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR06

Sample ID : *09B14111 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.60	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.53	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.44	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	0.27	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.3	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.57	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.50	0.43		05/19/09	XC
o-Xylene	ug/m3	0.26	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 53 of 72

Purchase Order No.: 200904907
 Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR07

Sample ID : *09B14112 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	5.3	0.05		05/19/09	XC
Benzene	PPBv	0.16	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	1.1	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.11	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.45	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.49	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	0.05	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	3.1	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 54 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR07

Sample ID : *09B14112 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.05	0.05		05/19/09	XC
2-Hexanone	PPBv	0.15	0.05		05/19/09	XC
Isopropanol	PPBv	1.8	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.43	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.08	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	0.09	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.11	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.15	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.13	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	0.05	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.20	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.11	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	13	0.12		05/19/09	XC
Benzene	ug/m3	0.53	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	3.1	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 55 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR07

Sample ID : *09B14112 ‡Sampled : 5/15/2009
 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	0.68	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	0.92	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.4	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	0.21	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	5.9	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.19	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.61	0.20		05/19/09	XC
Isopropanol	ug/m3	4.4	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.5	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.32	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	0.37	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

Purchase Order No.: 200904907

5/22/2009
 Page 56 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR07

Sample ID : *09B14112 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.73	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.57	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.69	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	0.28	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.1	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.59	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.48	0.43		05/19/09	XC
o-Xylene	ug/m3	0.25	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

5/22/2009
 Page 57 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR08

Sample ID : *09B14113 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.6	0.05		05/19/09	XC
Benzene	PPBv	0.19	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.84	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.11	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.52	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.56	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	7.7	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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



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

5/22/2009
 Page 58 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR08

Sample ID : *09B14113 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.06	0.05		05/19/09	XC
2-Hexanone	PPBv	0.12	0.05		05/19/09	XC
Isopropanol	PPBv	1.4	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.45	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.07	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.08	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.14	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.09	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	ND	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.25	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.09	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.12	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	11	0.12		05/19/09	XC
Benzene	ug/m3	0.60	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	2.5	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

5/22/2009
 Page 59 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR08

Sample ID : *09B14113 ‡Sampled : 5/15/2009
 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	0.70	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.1	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.8	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	14	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.21	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.48	0.20		05/19/09	XC
Isopropanol	ug/m3	3.6	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.6	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.30	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

5/22/2009
 Page 60 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR08

Sample ID : *09B14113 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.53	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.53	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.50	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.4	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.68	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.53	0.43		05/19/09	XC
o-Xylene	ug/m3	0.27	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

Purchase Order No.: 200904907

5/22/2009
 Page 61 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR09

Sample ID : *09B14114 ‡Sampled : 5/15/2009
 Not Specified
Sample Matrix: AIR **Sample Medium :** SUMMA

	Units	Results	RL	Method	Date Analyzed	Analyst
to-15 ppbv				EPA TO-15		
Acetone	PPBv	4.1	0.05		05/19/09	XC
Benzene	PPBv	0.16	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.89	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.44	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.47	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	23	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	0.06	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

5/22/2009
 Page 62 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR09

Sample ID : *09B14114 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	0.06	0.05		05/19/09	XC
2-Hexanone	PPBv	0.10	0.05		05/19/09	XC
Isopropanol	PPBv	1.1	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.46	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.15	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.07	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.14	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.09	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	0.05	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.18	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.24	0.10		05/19/09	XC
o-Xylene	PPBv	0.08	0.05		05/19/09	XC
to-15 ug/m				EPA TO-15		
Acetone	ug/m3	9.8	0.12		05/19/09	XC
Benzene	ug/m3	0.51	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	2.6	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

5/22/2009
 Page 63 of 72

Purchase Order No.: 200904907
 Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR09

Sample ID : *09B14114 ‡Sampled : 5/15/2009
 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	0.64	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	0.91	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.3	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	44	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	0.27	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	0.20	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.43	0.20		05/19/09	XC
Isopropanol	ug/m3	2.8	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.6	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.61	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

Purchase Order No.: 200904907

5/22/2009
 Page 64 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR09

Sample ID : *09B14114 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.46	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.54	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.49	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.0	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.62	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	1.0	0.43		05/19/09	XC
o-Xylene	ug/m3	0.34	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

5/22/2009
 Page 65 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR10

Sample ID : *09B14115 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Benzene	PPBv	0.18	0.05		05/19/09	XC
Benzyl Chloride	PPBv	ND	0.05		05/19/09	XC
Bromodichloromethane	PPBv	ND	0.05		05/19/09	XC
Bromoform	PPBv	ND	0.05		05/19/09	XC
Bromomethane	PPBv	ND	0.05		05/19/09	XC
1,3-Butadiene	PPBv	ND	0.05		05/19/09	XC
2-Butanone (MEK)	PPBv	0.46	0.05		05/19/09	XC
Carbon Disulfide	PPBv	ND	0.05		05/19/09	XC
Carbon Tetrachloride	PPBv	0.10	0.05		05/19/09	XC
Chlorobenzene	PPBv	ND	0.05		05/19/09	XC
Chlorodibromomethane	PPBv	ND	0.05		05/19/09	XC
Chloroethane	PPBv	ND	0.05		05/19/09	XC
Chloroform	PPBv	ND	0.05		05/19/09	XC
Chloromethane	PPBv	0.58	0.05		05/19/09	XC
Cyclohexane	PPBv	ND	0.05		05/19/09	XC
1,2-Dibromoethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,3-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,4-Dichlorobenzene	PPBv	ND	0.05		05/19/09	XC
Dichlorodifluoromethane	PPBv	0.54	0.05		05/19/09	XC
1,1-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloroethane	PPBv	ND	0.05		05/19/09	XC
1,1-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
cis-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
t-1,2-Dichloroethylene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichloropropane	PPBv	ND	0.05		05/19/09	XC
cis-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
trans-1,3-Dichloropropene	PPBv	ND	0.05		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	PPBv	ND	0.05		05/19/09	XC
Ethanol	PPBv	7.2	0.05		05/19/09	XC
Ethyl Acetate	PPBv	ND	0.05		05/19/09	XC
Ethylbenzene	PPBv	ND	0.05		05/19/09	XC
4-Ethyl Toluene	PPBv	ND	0.05		05/19/09	XC
n-Heptane	PPBv	ND	0.05		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

Purchase Order No.: 200904907

5/22/2009
 Page 66 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR10

Sample ID : *09B14115 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Hexane	PPBv	ND	0.05		05/19/09	XC
2-Hexanone	PPBv	0.07	0.05		05/19/09	XC
Isopropanol	PPBv	1.3	0.05		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	PPBv	ND	0.05		05/19/09	XC
Methylene Chloride	PPBv	0.42	0.05		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	PPBv	0.06	0.05		05/19/09	XC
Propene	PPBv	ND	0.05		05/19/09	XC
Styrene	PPBv	ND	0.05		05/19/09	XC
1,1,2,2-Tetrachloroethane	PPBv	ND	0.05		05/19/09	XC
Tetrachloroethylene	PPBv	0.07	0.05		05/19/09	XC
Tetrahydrofuran	PPBv	ND	0.05		05/19/09	XC
Toluene	PPBv	0.12	0.05		05/19/09	XC
1,2,4-Trichlorobenzene	PPBv	ND	0.05		05/19/09	XC
1,1,1-Trichloroethane	PPBv	0.10	0.05		05/19/09	XC
1,1,2-Trichloroethane	PPBv	ND	0.05		05/19/09	XC
Trichloroethylene	PPBv	ND	0.05		05/19/09	XC
Trichlorofluoromethane (Freon 11)	PPBv	0.24	0.05		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	PPBv	0.08	0.05		05/19/09	XC
1,2,4-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
1,3,5-Trimethylbenzene	PPBv	ND	0.05		05/19/09	XC
Vinyl Acetate	PPBv	ND	0.05		05/19/09	XC
Vinyl Chloride	PPBv	ND	0.05		05/19/09	XC
m/p-Xylene	PPBv	0.11	0.10		05/19/09	XC
o-Xylene	PPBv	0.06	0.05		05/19/09	XC
				EPA TO-15		
to-15 ug/m						
Acetone	ug/m3	6.9	0.12		05/19/09	XC
Benzene	ug/m3	0.57	0.16		05/19/09	XC
Benzyl Chloride	ug/m3	ND	0.26		05/19/09	XC
Bromodichloromethane	ug/m3	ND	0.33		05/19/09	XC
Bromoform	ug/m3	ND	0.51		05/19/09	XC
Bromomethane	ug/m3	ND	0.19		05/19/09	XC
1,3-Butadiene	ug/m3	ND	0.11		05/19/09	XC
2-Butanone (MEK)	ug/m3	1.4	0.15		05/19/09	XC
Carbon Disulfide	ug/m3	ND	0.16		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

5/22/2009
 Page 67 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR10

Sample ID : *09B14115 ‡Sampled : 5/15/2009
 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	0.66	0.31		05/19/09	XC
Chlorobenzene	ug/m3	ND	0.23		05/19/09	XC
Chlorodibromomethane	ug/m3	ND	0.43		05/19/09	XC
Chloroethane	ug/m3	ND	0.13		05/19/09	XC
Chloroform	ug/m3	ND	0.24		05/19/09	XC
Chloromethane	ug/m3	1.2	0.10		05/19/09	XC
Cyclohexane	ug/m3	ND	0.17		05/19/09	XC
1,2-Dibromoethane	ug/m3	ND	0.38		05/19/09	XC
1,2-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,3-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
1,4-Dichlorobenzene	ug/m3	ND	0.30		05/19/09	XC
Dichlorodifluoromethane	ug/m3	2.7	0.25		05/19/09	XC
1,1-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloroethane	ug/m3	ND	0.20		05/19/09	XC
1,1-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
cis-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
t-1,2-Dichloroethylene	ug/m3	ND	0.20		05/19/09	XC
1,2-Dichloropropane	ug/m3	ND	0.23		05/19/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	0.22		05/19/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	0.35		05/19/09	XC
Ethanol	ug/m3	14	0.09		05/19/09	XC
Ethyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Ethylbenzene	ug/m3	ND	0.22		05/19/09	XC
4-Ethyl Toluene	ug/m3	ND	0.25		05/19/09	XC
n-Heptane	ug/m3	ND	0.20		05/19/09	XC
Hexachlorobutadiene	ug/m3	ND	1.1		05/19/09	XC
Hexane	ug/m3	ND	0.18		05/19/09	XC
2-Hexanone	ug/m3	0.29	0.20		05/19/09	XC
Isopropanol	ug/m3	3.2	0.12		05/19/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		05/19/09	XC
Methylene Chloride	ug/m3	1.4	0.17		05/19/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	0.23	0.20		05/19/09	XC
Propene	ug/m3	ND	0.09		05/19/09	XC
Styrene	ug/m3	ND	0.21		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled



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

5/22/2009
 Page 68 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Purchase Order No.: 200904907

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Field Sample # : LRAIR10

Sample ID : *09B14115 ‡Sampled : 5/15/2009
 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		05/19/09	XC
Tetrachloroethylene	ug/m3	0.46	0.34		05/19/09	XC
Tetrahydrofuran	ug/m3	ND	0.15		05/19/09	XC
Toluene	ug/m3	0.47	0.19		05/19/09	XC
1,2,4-Trichlorobenzene	ug/m3	ND	0.37		05/19/09	XC
1,1,1-Trichloroethane	ug/m3	0.53	0.27		05/19/09	XC
1,1,2-Trichloroethane	ug/m3	ND	0.27		05/19/09	XC
Trichloroethylene	ug/m3	ND	0.27		05/19/09	XC
Trichlorofluoromethane	ug/m3	1.4	0.28		05/19/09	XC
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.58	0.38		05/19/09	XC
1,2,4-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
1,3,5-Trimethylbenzene	ug/m3	ND	0.25		05/19/09	XC
Vinyl Acetate	ug/m3	ND	0.18		05/19/09	XC
Vinyl Chloride	ug/m3	ND	0.13		05/19/09	XC
m/p-Xylene	ug/m3	0.50	0.43		05/19/09	XC
o-Xylene	ug/m3	0.26	0.22		05/19/09	XC

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ See attached chain-of-custody record for time sampled

KELLY CHATTERTON
 MACTEC ENGINEERING & CONSULTING - MA
 107 AUDUBON ROAD, BLDG. 2, SUITE 301
 WAKEFIELD, MA 01880

Purchase Order No.: 200904907

5/22/2009
 Page 69 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

The following notes were attached to the reported analysis :

Sample ID: * 09B14106

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Blank-132794

1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.
---------------------------	-------	------	------	------

Lfblank-95113	True Value		Sample Results		Recovery %
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	2.0	14	110

Sample ID: * 09B14107

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14108

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14109

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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.: 200904907

5/22/2009
 Page 70 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Sample ID: * 09B14110

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14111

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14112

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14113

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14114

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14115

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

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.: 200904907

5/22/2009
 Page 71 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
 Date Received: 5/15/2009

Project Number: 3650080114
 LIMS-BAT #: LIMIT-25169
 Job Number: 3650080114

Sample ID: * 09B14116

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14116

Analysis: Ethanol

REPORTED RESULT IS ESTIMATED. VALUE REPORTED OVER VERIFIED CALIBRATION RANGE.

Sample ID: * 09B14117

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14118

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Sample ID: * 09B14119

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.91	6.3	N.D.	N.D.

Sample ID: * 09B14120

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.91	6.3	N.D.	N.D.

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.: 200904907

5/22/2009
Page 72 of 72

Project Location: GORHAM SITE-PROVIDENCE-RI
Date Received: 5/15/2009

Project Number: 3650080114
LIMS-BAT #: LIMIT-25169
Job Number: 3650080114

Sample ID: * 09B14121

Analysis: to-15 ug/m3

Analyte	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.91	6.3	N.D.	N.D.

Sample ID: * 09B14122

Analysis: to-15 ug/m3

!

Sample ID: * 09B14122

Analysis: 2-Hexanone

DUPLICATE RPD IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR REPORTED RESULT. SEE QC SUMMARY REPORT.

** 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



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 1 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B14106	4-Bromofluorobenzene	Surrogate Recovery	100.75	%	70-130
09B14107	4-Bromofluorobenzene	Surrogate Recovery	101.75	%	70-130
09B14108	4-Bromofluorobenzene	Surrogate Recovery	104.37	%	70-130
09B14109	4-Bromofluorobenzene	Surrogate Recovery	100.12	%	70-130
09B14110	4-Bromofluorobenzene	Surrogate Recovery	103.50	%	70-130
09B14111	4-Bromofluorobenzene	Surrogate Recovery	102.25	%	70-130
09B14112	4-Bromofluorobenzene	Surrogate Recovery	100.50	%	70-130
09B14113	4-Bromofluorobenzene	Surrogate Recovery	103.25	%	70-130
09B14114	4-Bromofluorobenzene	Surrogate Recovery	102.50	%	70-130
09B14115	4-Bromofluorobenzene	Surrogate Recovery	102.62	%	70-130
09B14116	4-Bromofluorobenzene	Surrogate Recovery	98.87	%	70-130
09B14117	4-Bromofluorobenzene	Surrogate Recovery	101.37	%	70-130
09B14118	4-Bromofluorobenzene	Surrogate Recovery	97.87	%	70-130
09B14119	4-Bromofluorobenzene	Surrogate Recovery	103.00	%	70-130
09B14120	4-Bromofluorobenzene	Surrogate Recovery	103.00	%	70-130
09B14121	4-Bromofluorobenzene	Surrogate Recovery	103.00	%	70-130
09B14122	Acetone	Sample Amount	9.51	ug/m3	
		Duplicate Value	8.79	ug/m3	
		Duplicate RPD	7.88	%	
	Benzene	Sample Amount	0.40	ug/m3	
		Duplicate Value	0.32	ug/m3	
		Duplicate RPD	20.08	%	
	Carbon Tetrachloride	Sample Amount	0.78	ug/m3	
		Duplicate Value	0.65	ug/m3	
		Duplicate RPD	17.54	%	
	Hexane	Sample Amount	0.36	ug/m3	
		Duplicate Value	0.29	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 2 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B14122	Hexane	Duplicate RPD	22.45	%	
	Isopropanol	Sample Amount	1.00	ug/m3	
		Duplicate Value	0.82	ug/m3	
	2-Butanone (MEK)	Duplicate RPD	20.13	%	
		Sample Amount	1.63	ug/m3	
		Duplicate Value	1.51	ug/m3	
	Toluene	Duplicate RPD	7.86	%	
		Sample Amount	2.63	ug/m3	
		Duplicate Value	2.55	ug/m3	
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Duplicate RPD	3.18	%	
		Sample Amount	0.66	ug/m3	
		Duplicate Value	0.59	ug/m3	
	Trichlorofluoromethane	Duplicate RPD	12.19	%	
		Sample Amount	1.51	ug/m3	
		Duplicate Value	1.47	ug/m3	
	o-Xylene	Duplicate RPD	2.25	%	
		Sample Amount	0.24	ug/m3	
		Duplicate Value	0.22	ug/m3	
	m/p-Xylene	Duplicate RPD	7.40	%	
		Sample Amount	0.48	ug/m3	
		Duplicate Value	0.46	ug/m3	
	Ethanol	Duplicate RPD	4.56	%	
		Sample Amount	4.83	ug/m3	
		Duplicate Value	4.21	ug/m3	
	Methylene Chloride	Duplicate RPD	13.82	%	
		Sample Amount	1.65	ug/m3	
		Duplicate Value	1.60	ug/m3	
	Chloromethane	Duplicate RPD	2.76	%	
		Sample Amount	1.10	ug/m3	
		Duplicate Value	0.96	ug/m3	
	Dichlorodifluoromethane	Duplicate RPD	13.33	%	
		Sample Amount	2.74	ug/m3	
		Duplicate Value	2.48	ug/m3	
	2-Hexanone	Duplicate RPD	10.02	%	
		Sample Amount	0.39	ug/m3	
		Duplicate Value	0.30	ug/m3	
	4-Bromofluorobenzene	Duplicate RPD	25.88	%	
	n-Heptane	Surrogate Recovery	101.12	%	70-130
		Sample Amount	0.39	ug/m3	
		Duplicate Value	0.31	ug/m3	
		Duplicate RPD	22.98	%	
BLANK-132794	Acetone	Blank	<0.24	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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 3 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-132794					
	Benzene	Blank	<0.08	ug/m3	
	Carbon Tetrachloride	Blank	<0.16	ug/m3	
	Chloroform	Blank	<0.12	ug/m3	
	1,2-Dichloroethane	Blank	<0.10	ug/m3	
	1,4-Dichlorobenzene	Blank	<0.15	ug/m3	
	Ethyl Acetate	Blank	<0.09	ug/m3	
	Ethylbenzene	Blank	<0.11	ug/m3	
	Hexane	Blank	<0.09	ug/m3	
	Isopropanol	Blank	0.06	ug/m3	
	2-Butanone (MEK)	Blank	<0.08	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	0.21	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	0.58	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	<0.27	ug/m3	
	1,2,4-Trichlorobenzene	Blank	<0.19	ug/m3	
	1,2,4-Trimethylbenzene	Blank	<0.13	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 4 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-132794					
	1,3,5-Trimethylbenzene	Blank	<0.13	ug/m3	
	Cyclohexane	Blank	<0.09	ug/m3	
	cis-1,2-Dichloroethylene	Blank	<0.10	ug/m3	
	1,2-Dichloropropane	Blank	<0.12	ug/m3	
	Dichlorodifluoromethane	Blank	<0.13	ug/m3	
	Benzyl Chloride	Blank	<0.13	ug/m3	
	Carbon Disulfide	Blank	<0.08	ug/m3	
	Vinyl Acetate	Blank	<0.09	ug/m3	
	2-Hexanone	Blank	<0.10	ug/m3	
	Bromodichloromethane	Blank	<0.17	ug/m3	
	1,2-Dibromoethane	Blank	<0.19	ug/m3	
	n-Heptane	Blank	<0.10	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Blank	<0.18	ug/m3	
	Tetrahydrofuran	Blank	<0.08	ug/m3	
	Propene	Blank	<0.05	ug/m3	
	1,3-Butadiene	Blank	<0.06	ug/m3	
BLANK-132797					
	Acetone	Blank	0.31	ug/m3	
	2-Butanone (MEK)	Blank	0.52	ug/m3	
	1,1,1-Trichloroethane	Blank	<0.14	ug/m3	
	Trichloroethylene	Blank	<0.14	ug/m3	
	Tetrahydrofuran	Blank	0.20	ug/m3	
LFBLANK-95113					
	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	9.48	ug/m3	
		Lab Fort Blk. % Rec.	79.90	%	50-150
	Benzene	Lab Fort Blank Amt.	15.95	ug/m3	
		Lab Fort Blk. Found	16.23	ug/m3	
		Lab Fort Blk. % Rec.	101.76	%	70-130
	Carbon Tetrachloride	Lab Fort Blank Amt.	31.45	ug/m3	
		Lab Fort Blk. Found	39.10	ug/m3	
		Lab Fort Blk. % Rec.	124.32	%	70-130
	Chloroform	Lab Fort Blank Amt.	24.33	ug/m3	
		Lab Fort Blk. Found	26.09	ug/m3	
		Lab Fort Blk. % Rec.	107.22	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	23.34	ug/m3	
		Lab Fort Blk. % Rec.	115.30	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.36	ug/m3	
		Lab Fort Blk. % Rec.	117.64	%	70-130
	Ethyl Acetate	Lab Fort Blank Amt.	18.01	ug/m3	
		Lab Fort Blk. Found	15.54	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 5 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95113					
	Ethyl Acetate	Lab Fort Blk. % Rec.	86.26	%	50-150
	Ethylbenzene	Lab Fort Blank Amt.	21.67	ug/m3	
		Lab Fort Blk. Found	22.40	ug/m3	
		Lab Fort Blk. % Rec.	103.34	%	70-130
	Hexane	Lab Fort Blank Amt.	17.62	ug/m3	
		Lab Fort Blk. Found	17.19	ug/m3	
		Lab Fort Blk. % Rec.	97.57	%	70-130
	Isopropanol	Lab Fort Blank Amt.	12.28	ug/m3	
		Lab Fort Blk. Found	11.05	ug/m3	
		Lab Fort Blk. % Rec.	89.96	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	12.90	ug/m3	
		Lab Fort Blk. % Rec.	87.52	%	70-130
	4-Methyl-2-Pentanone (MIBK)	Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	21.46	ug/m3	
		Lab Fort Blk. % Rec.	104.82	%	70-130
	Styrene	Lab Fort Blank Amt.	21.26	ug/m3	
		Lab Fort Blk. Found	21.70	ug/m3	
		Lab Fort Blk. % Rec.	102.06	%	70-130
	Tetrachloroethylene	Lab Fort Blank Amt.	33.90	ug/m3	
		Lab Fort Blk. Found	32.63	ug/m3	
		Lab Fort Blk. % Rec.	96.23	%	70-130
	Toluene	Lab Fort Blank Amt.	18.81	ug/m3	
		Lab Fort Blk. Found	17.87	ug/m3	
		Lab Fort Blk. % Rec.	95.00	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	31.15	ug/m3	
		Lab Fort Blk. % Rec.	114.20	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	28.48	ug/m3	
		Lab Fort Blk. % Rec.	106.02	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	38.71	ug/m3	
		Lab Fort Blk. % Rec.	101.04	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	23.93	ug/m3	
		Lab Fort Blk. % Rec.	85.19	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	24.18	ug/m3	
		Lab Fort Blk. % Rec.	111.38	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	48.56	ug/m3	
		Lab Fort Blk. % Rec.	111.80	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 6 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95113	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.32	ug/m3	
		Lab Fort Blk. % Rec.	117.50	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	35.50	ug/m3	
		Lab Fort Blk. % Rec.	118.10	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	21.03	ug/m3	
		Lab Fort Blk. % Rec.	103.92	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	20.46	ug/m3	
		Lab Fort Blk. % Rec.	103.16	%	70-130
Ethanol		Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	7.84	ug/m3	
		Lab Fort Blk. % Rec.	83.31	%	50-150
4-Ethyl Toluene		Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.21	ug/m3	
		Lab Fort Blk. % Rec.	114.80	%	50-150
Methyl tert-Butyl Ether (MTBE)		Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	15.81	ug/m3	
		Lab Fort Blk. % Rec.	87.73	%	70-130
t-1,2-Dichloroethylene		Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	19.93	ug/m3	
		Lab Fort Blk. % Rec.	100.56	%	70-130
Vinyl Chloride		Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	10.41	ug/m3	
		Lab Fort Blk. % Rec.	81.50	%	70-130
Methylene Chloride		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	19.20	ug/m3	
		Lab Fort Blk. % Rec.	110.64	%	70-130
Chlorobenzene		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	24.37	ug/m3	
		Lab Fort Blk. % Rec.	105.86	%	70-130
Chloromethane		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	8.52	ug/m3	
		Lab Fort Blk. % Rec.	82.54	%	70-130
Bromomethane		Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	12.51	ug/m3	
		Lab Fort Blk. % Rec.	64.50	%	70-130
Chloroethane		Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	10.49	ug/m3	
		Lab Fort Blk. % Rec.	79.56	%	70-130
cis-1,3-Dichloropropene		Lab Fort Blank Amt.	22.69	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 7 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95113					
	cis-1,3-Dichloropropene	Lab Fort Blk. Found	23.15	ug/m3	
		Lab Fort Blk. % Rec.	102.02	%	70-130
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	24.07	ug/m3	
		Lab Fort Blk. % Rec.	106.06	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	51.73	ug/m3	
		Lab Fort Blk. % Rec.	121.46	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	28.52	ug/m3	
		Lab Fort Blk. % Rec.	104.56	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	67.69	ug/m3	
		Lab Fort Blk. % Rec.	130.94	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	40.83	ug/m3	
		Lab Fort Blk. % Rec.	118.94	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	59.92	ug/m3	
		Lab Fort Blk. % Rec.	112.36	%	70-130
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	37.10	ug/m3	
		Lab Fort Blk. Found	43.57	ug/m3	
		Lab Fort Blk. % Rec.	117.42	%	70-130
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.45	ug/m3	
		Lab Fort Blk. % Rec.	115.76	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	28.87	ug/m3	
		Lab Fort Blk. % Rec.	117.48	%	70-130
	Cyclohexane	Lab Fort Blank Amt.	17.21	ug/m3	
		Lab Fort Blk. Found	16.53	ug/m3	
		Lab Fort Blk. % Rec.	96.06	%	50-150
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	19.82	ug/m3	
		Lab Fort Blk. Found	20.72	ug/m3	
		Lab Fort Blk. % Rec.	104.52	%	70-130
	1,2-Dichloropropane	Lab Fort Blank Amt.	23.10	ug/m3	
		Lab Fort Blk. Found	25.93	ug/m3	
		Lab Fort Blk. % Rec.	112.26	%	70-130
	Dichlorodifluoromethane	Lab Fort Blank Amt.	24.72	ug/m3	
		Lab Fort Blk. Found	23.43	ug/m3	
		Lab Fort Blk. % Rec.	94.77	%	70-130
	Benzyl Chloride	Lab Fort Blank Amt.	25.88	ug/m3	
		Lab Fort Blk. Found	34.39	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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 8 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95113	Benzyl Chloride	Lab Fort Blk. % Rec.	132.88	%	70-130
	Carbon Disulfide	Lab Fort Blank Amt.	15.57	ug/m3	
		Lab Fort Blk. Found	14.97	ug/m3	
	Vinyl Acetate	Lab Fort Blk. % Rec.	96.20	%	70-130
		Lab Fort Blank Amt.	17.60	ug/m3	
		Lab Fort Blk. Found	16.71	ug/m3	
	2-Hexanone	Lab Fort Blk. % Rec.	94.96	%	70-130
		Lab Fort Blank Amt.	20.48	ug/m3	
		Lab Fort Blk. Found	21.48	ug/m3	
	Bromodichloromethane	Lab Fort Blk. % Rec.	104.88	%	50-150
		Lab Fort Blank Amt.	33.50	ug/m3	
		Lab Fort Blk. Found	40.28	ug/m3	
	1,2-Dibromoethane	Lab Fort Blk. % Rec.	120.24	%	70-130
		Lab Fort Blank Amt.	38.42	ug/m3	
		Lab Fort Blk. Found	39.83	ug/m3	
	n-Heptane	Lab Fort Blk. % Rec.	103.66	%	70-130
		Lab Fort Blank Amt.	20.49	ug/m3	
		Lab Fort Blk. Found	21.50	ug/m3	
	1,2-Dichlorotetrafluoroethane (114)	Lab Fort Blk. % Rec.	104.96	%	50-150
		Lab Fort Blank Amt.	34.95	ug/m3	
		Lab Fort Blk. Found	26.39	ug/m3	
	Tetrahydrofuran	Lab Fort Blk. % Rec.	75.52	%	70-130
		Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	13.73	ug/m3	
	Propene	Lab Fort Blk. % Rec.	93.17	%	50-150
		Lab Fort Blank Amt.	8.60	ug/m3	
		Lab Fort Blk. Found	9.69	ug/m3	
	1,3-Butadiene	Lab Fort Blk. % Rec.	112.62	%	50-150
		Lab Fort Blank Amt.	11.06	ug/m3	
		Lab Fort Blk. Found	8.61	ug/m3	
		Lab Fort Blk. % Rec.	77.90	%	70-130
LFBLANK-95116	Acetone	Lab Fort Blank Amt.	11.87	ug/m3	
		Lab Fort Blk. Found	11.00	ug/m3	
		Lab Fort Blk. % Rec.	92.66	%	50-150
	2-Butanone (MEK)	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	13.87	ug/m3	
		Lab Fort Blk. % Rec.	94.11	%	70-130
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	31.12	ug/m3	
		Lab Fort Blk. % Rec.	114.08	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	28.99	ug/m3	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 9 of 11

QC Batch Number: BATCH-16611

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-95116	Trichloroethylene	Lab Fort Blk. % Rec.	107.92	%	70-130
	Tetrahydrofuran	Lab Fort Blank Amt.	14.74	ug/m3	
		Lab Fort Blk. Found	14.18	ug/m3	
		Lab Fort Blk. % Rec.	96.18	%	50-150

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: 5/22/2009

Lims Bat # : LIMIT-25169

Page 10 of 11

NOTES:

QC Batch No. : BATCH-16611

Sample ID : 09B14122

Analysis : 2-Hexanone

DUPLICATE RPD IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR REPORTED RESULT. SEE QC SUMMARY REPORT.

QC Batch No. : BATCH-16611

Sample ID : LFBLANK-95113

Analysis : Benzyl Chloride

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16611

Sample ID : LFBLANK-95113

Analysis : Bromoform

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : BATCH-16611

Sample ID : LFBLANK-95113

Analysis : Bromomethane

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: 5/22/2009 Lims Bat #: LIMIT-25169 Page 11 of 11

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
 www.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 Chatterbox

Project Location: Groham Site, Providence, RI

Sampled By: JSM

Proposal Provided? (For Billing purposes)
 Yes 3-3-09 proposal date

Telephone: (781) 245-6606 LSMT-25169
 Project # 3050080114

Client PO # 200904907

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: Kyle Chatterbox@macTel.com
 Email: EMail@contest

Format: EXCEL PDF GIS KEY OTHER

Field ID	Sample Description	Media	Lab #	Date Sampled	Start Date	Stop Date	Total Minutes Sampled	Flow Rate (L/Min)	Volume (Liters or M³)	Matrix Code*	ANALYSIS REQUESTED	Hg		Summa Canister ID	Flow Controller ID
												Time	Time		
07	LRAIR01	S	051805	0905	5-15-09	5-15-09	30	0.2	6	IA	X	-30	-4	1842	4091
08	LRAIR02	S	0905	0905	5-15-09	5-15-09	30	0.2	6	IA	X	-30	-5	1742	4087
09	LRAIR03	S	0906	0906	5-15-09	5-15-09	30	0.2	6	IA	X	-30	-5	1652	4079
10	LRAIR04	S	0906	0906	5-15-09	5-15-09	30	0.2	6	IA	X	-30	-6	1859	4021
11	LRAIR05	S	0907	0907	5-15-09	5-15-09	30	0.2	6	IA	X	-30	-5	1212	4042
12	LRAIR06	S	0907	0907	5-15-09	5-15-09	30	0.2	6	IA	X	-30	-4	1880	4006
13	LRAIR07	S	0909	0909	5-15-09	5-15-09	30	0.2	6	IA	X	-30	-6	1240	4064

Laboratory Comments:

CLIENT COMMENTS:

Retrieved by: (signature) [Signature] Date/Time: 5-15-09/1430

Received by: (signature) [Signature] Date/Time: 5-15-09/1430

Relinquished by: (signature) [Signature] Date/Time: 5-15-09/2130

Received by: (signature) [Signature] Date/Time: 5/15/09 2130

Turnaround: 7-Day 10-Day Other 5 days **RUSH***

Regulations: CT Target Indoor Air (Common)

Required Detection Limits: CT, Target Indoor Air (Common)

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=teflon bag P=PUF T=tube F=filter C=cassette O=Other

Approval Required: *24-Hr *48-Hr *72-Hr *4-Day

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. AIHA, NELAC & WBE/DBE Certified



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEC Engineering
 Address: 107 Audubon Rd
Wakefield, MA 01880

Attention: Kelly Chatterton

Project Location: Gerhard Ste, Providence, RI
 Sampled By: KJM

Proposal Provided? (For Billing purposes)
 Yes 3.3.09 proposal date

Telephone: (781) 245-6606
 Project # 3650080114
 Client PO # 2009 04107

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: 1
 Email: Kjchatterton@mactec.com
 Format: EXCEL PDF GIS KEY OTHER

ANALYSIS REQUESTED

"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.

Field ID	Sample Description	Media	Lab #	Date	Stop	Total	Flow Rate	Volume	Matrix	Summa Canister ID	Flow Controller ID	
14	LR AIR 09	S	0511809	5-15-09 0910	5-15-09 0940	30	0.2	6	IA	X	1169	4094
15	LR AIR 10	S	0511809	5-15-09 0911	5-15-09 0941	30	0.2	6	IA	X	1279	4069
16	IA-5-051509	S		5-15-09 1045	5-15-09 1115	30	0.2	6	IA	X	1448	4081
17	IA-6-051509	S		5-15-09 1055	5-15-09 1056	30	0.2	6	IA	X	1291	4089
18	IA-7-051509	S		5-15-09 1111	5-15-09 1115	4	1.5	6	IA	X	1174	4092
19	EW-5-051509	S		5-15-09 1122	5-15-09 1152	30	0.2	6	S4	X	1488	4092
20	EW-6-051509	S		5-15-09 1130	5-15-09 1200	30	0.2	6	S4	X	1825	4090
21	EW-7-051509	S		5-15-09 1137	5-15-09 1207	30	0.2	6	S4	X	1066	4076

CLIENT COMMENTS: EW-5-051509, EW-6-051509, and EW-7-051509 were sampled from source area soil gas

Relinquished by: (signature) [Signature] Date/Time: 5-15-09/1430

Received by: (signature) [Signature] Date/Time: 5-15-09/1430

Relinquished by: (signature) [Signature] Date/Time: 5-15-09/2130

Received by: (signature) [Signature] Date/Time: 5/15/09 2130

Turnaround **

7-Day 10-Day Other 5 Day

RUSH * *24-Hr *48-Hr *72-Hr *4-Day

Regulations: CT-Target Indoor Air (Low)

Data Enhancement/RCP? Y N

Enhanced Data Package Y N

Required Detection Limits: CT-Target Indoor Air (Low)

Other: Endoor Air (Low)

*Matrix Code: SG=SOIL GAS IA=INDOOR AIR AMB=AMBIENT SS=SUB SLAB D=DUP BL=BLANK O=Other

**Media Codes: S=Summa can TB=tedlar bag P=PUF T=tube F=filter C=cassette O=Other

** TURNAROUND TIME STARTS AT 9:00 AM. 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.

AH4A, NELAC & WBE/DBE Certified



Phone: 413-525-2332 AIR SAMPLE CHAIN OF CUSTODY 39 SPRUCE ST
 Fax: 413-525-0405 RECORD EAST LONGMEADOW, MA 01028
 Email: info@contestlabs.com
 www.contestlabs.com
 Telephone: (781) 245-6606
 Project # 305008014
 Client PO # 2009 04907
 DFE 0349
 1505-25169

Company Name: MACTEC Engineering
 Address: 107 Ardubon Rd., Wakefield, MA 01880

Attention: Kelly Chatterton

Project Location: Garham Site, Providence, RI
 Sampled By: RTM

Proposal Provided? (For Billing purposes)
 Yes 3-3-09 proposal date

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax # : _____
 Email: Ky Chatterton@maectec.com
 Format: EXCEL PDF GIS KEY OTHER Excel

Field ID	Sample Description	Media	Lab #	Date Sampled		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						
0814122	AA-1-051509	S	DFE0349-17	5:15:09	5:15:09	30	0.2	6	AMB	1466	4083

Laboratory Comments: _____
 CLIENT COMMENTS: _____

Relinquished by: (signature) _____ Date/Time: 5/15/09/1430

Received by: (signature) _____ Date/Time: 5/15/09 1430

Relinquished by: (signature) _____ Date/Time: 5/15/09 2130

Received by: (signature) _____ Date/Time: 5/15/09 2130

Turnaround **
 7-Day
 10-Day
 Other 5 day
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 Approval Required

Special Requirements
 Regulations: CF-Target Index Air (canon)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: CF-Target Index Air (canon)
 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= tedar bag
 P= PUF
 T= tube
 F= filter
 C= cassette
 O= Other

ANALYSIS REQUESTED

ANALYSIS REQUESTED	"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.

** 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



www.contestlabs.com

39 Spruce Street
East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MACTEC - MA
RECEIVED BY: KM DATE: 05/15/09

- 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? **NO** STORED WHERE: _____

- 5. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED? _____ DATE _____ TIME _____

Location where samples are stored: AIR

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	17
Tedlar Bags	
Regulators	
Restrictors	17
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:

APPENDIX B

Analytical Laboratory Detection Limits



39 Spruce Street, 2nd Floor
 East Longmeadow, MA 01028
 413.525.2332
 413.525.6405 (fax)

Analyte:

TO-14 / TO-15	PPBv	UG/M3	PPBv	UG/M3	MW NIST	UG/M3	PPBv
1,1,1-Trichloroethane	ND	ND	0.050	0.27	133.40	1	0.18
1,1,2,2-Tetrachloroethane	ND	ND	0.050	0.34	167.85	1	0.15
1,1,2-Trichloroethane	ND	ND	0.050	0.27	133.40	1	0.18
1,1,2-Trichlorotrifluoroethane (freon 113)	ND	ND	0.050	0.38	187.37	1	0.13
1,1-Dichloroethane	ND	ND	0.050	0.20	98.96	1	0.25
1,1-Dichloroethene	ND	ND	0.050	0.20	96.94	1	0.25
1,2,4-Trichlorobenzene	ND	ND	0.050	0.37	181.45	1	0.13
1,2,4-Trimethylbenzene	ND	ND	0.050	0.25	120.19	1	0.20
1,2-Dibromoethane	ND	ND	0.050	0.38	187.86	1	0.13
1,2-Dichlorobenzene	ND	ND	0.050	0.30	147.00	1	0.17
1,2-Dichloroethane	ND	ND	0.050	0.20	98.96	1	0.25
1,2-Dichloropropane	ND	ND	0.050	0.23	112.99	1	0.22
1,2-Dichlorotetrafluoroethane (freon 114)	ND	ND	0.050	0.35	170.92	1	0.14
1,3 - Butadiene	ND	ND	0.050	0.11	54.09	1	0.45
1,3,5-Trimethylbenzene	ND	ND	0.050	0.25	120.19	1	0.20
1,3-Dichlorobenzene	ND	ND	0.050	0.30	147.00	1	0.17
1,4-Dichlorobenzene	ND	ND	0.050	0.30	147.00	1	0.17
1,4-Dioxane	ND	ND	0.050	0.18	88.11	1	0.28
2-Butanone (MEK)	ND	ND	0.050	0.15	72.11	1	0.34
2-Hexanone (MBK)	ND	ND	0.050	0.20	100.16	1	0.24
4-Ethyltoluene	ND	ND	0.050	0.25	120.19	1	0.20
4-Methyl-2-pentanone(MIBK)	ND	ND	0.050	0.20	100.16	1	0.24
Acetone	ND	ND	0.050	0.12	58.08	1	0.42
Acrolein	ND	ND	0.050	0.11	56.06	1	0.44
Benzene	ND	ND	0.050	0.16	78.11	1	0.31
Benzyl Chloride	ND	ND	0.050	0.26	126.58	1	0.19
Bromodichloromethane	ND	ND	0.050	0.34	163.83	1	0.15
Bromoform	ND	ND	0.050	0.52	252.73	1	0.10
Bromomethane	ND	ND	0.050	0.19	94.94	1	0.26
Carbon Disulfide	ND	ND	0.050	0.16	76.14	1	0.32
Carbon Tetrachloride	ND	ND	0.050	0.31	153.82	1	0.16



39 Spruce Street, 2nd Floor
 East Longmeadow, MA 01028
 413.525.2332
 413.525.6405 (fax)

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



39 Spruce Street, 2nd Floor
 East Longmeadow, MA 01028
 413.525.2332
 413.525.6405 (fax)

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



39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028
413.525.2332
413.525.6405 (fax)

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