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April 7, 2009

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

**RE: Indoor Air Sampling Results – Compliance with Action Levels and Reduction in Sampling Frequency – Three Small Retail Spaces
Former Gorham Manufacturing Facility, Retail Complex
333 Adelaide Avenue, Providence, Rhode Island
MACTEC Project No. 3650080114**

Dear Mr. Martella:

This letter presents the cumulative results of the first six vapor mitigation system monitoring events conducted by MACTEC Engineering and Consulting, Inc. (MACTEC) at the three small retail spaces located at the Former Gorham Manufacturing Facility, 333 Adelaide Avenue, Providence, Rhode Island (the Site)¹. The baseline sampling event (prior to system start-up) was conducted on January 16, 2009. After start-up of the mitigation systems in the three small retail spaces on February 2, 2009, sampling events were conducted on February 3, 2009, February 11, 2009, February 18, 2009, February 26, 2009, and March 6, 2009. The sampling was 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. The analytical results indicate that the indoor air quality data collected from the last four sampling events are in compliance with compound-specific action limits specified in the Short Term Response Action Order of Approval. Therefore, consistent with the Order of Approval, the monitoring frequency for the three small retail spaces will be revised from weekly to monthly.

The first of the weekly sampling events was conducted on February 3, 2009, one day after start-up of the system. While the initial sampling event indicated the systems were generally operating in start-up mode, the four subsequent sampling events indicate the systems located in the three small retail spaces are fully operational and the indoor air sample data have been in compliance with the established action levels.

¹ The vapor mitigation system in the large retail space remains in start-up mode and the air monitoring results for that space will be reported under separate cover. This system operates independently from the individual systems in the three smaller retail spaces discussed above. Once this system is fully operational, the weekly compliance monitoring will be initiated per the requirements of the Order of Approval and Addendum to the Order of Approval for this Short-Term Response Action.

Table 1 summarizes the small retail spaces' analytical results for the baseline sampling event conducted prior to system start-up (January 16, 2009) and all five sampling events conducted after system start-up. 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 the extraction wells (EW-5, EW-6, and EW-7). The sampling locations are shown in Figure 1. The outdoor reference air sample (AA-1) has been located at an upwind location during each of the sampling rounds (dependent on weather conditions). Sub-slab vacuum monitoring (pressure differential measurements) has also been conducted at locations VMW-5, VMW-6, and VMW-7 in conjunction with the weekly air sampling program. The vacuum monitoring results are tabulated in Table 2. Results of the indoor air samples have been compared, in Table 1, to the Draft Connecticut Industrial/Commercial Indoor Target Air Concentrations (TAC) that were identified as action levels in the Order of Approval. The laboratory reports associated with all six of the sampling events are provided in Appendix A of this letter report.

The following observations are based on the data included in 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 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 and benzene (one sample) concentrations were above the corresponding action level, the concentrations were also consistent with the corresponding concentrations reported for the outdoor reference sample collected on that same day. Therefore, the carbon tetrachloride and benzene 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.

Monthly monitoring of the three small retail spaces, consistent with the requirements of the Order of Approval, will begin the week of April 6, 2009. Please contact me at 781 213-5610 if I can provide additional information or answer any questions concerning this first monitoring event.

Sincerely,
MACTEC Engineering and Consulting, Inc.



Charles Collet
Project Manager



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
Figure 1 Vapor Mitigation Sample locations
Appendix A – Laboratory Reports

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

[P:\3650080114 - Textron Gorham Vapor Mitigation System\4.0 Project Deliverables\4.8 Monthly Progress Reports\RIDEM\letter\Apri 6_2009.doc]

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	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
1,1,1-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	190000	41000	17000	7100	1800
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	6.8 U	6.8 U	6.8 U	6.8 U	1.7 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	5.4 U	5.4 U	5.4 U	5.4 U	1.4 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	11000	1900	890	770	190
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2500	290	130	190	61
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	7.4 U	7.4 U	7.4 U	7.4 U	1.9 U
1,2,4-Trimethylbenzene	0.25 U	0.28	0.52	1.8	0.25 U	0.25 U	5 U	5 U	5 U	5 U	1.3 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	6 U	6 U	6 U	6 U	1.5 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U	4 U	1 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	7 U	7 U	7 U	7 U	1.8 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.5	0.25 U	0.25 U	5 U	5 U	5 U	5 U	1.3 U
1,3-Butadiene	0.11 U	0.11 U	0.17	1.3	0.11 U	0.11 U	2.2 U	2.2 U	2.2 U	2.2 U	0.55 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	6 U	6 U	6 U	6 U	1.5 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.53	0.3 U	0.3 U	6 U	6 U	6 U	6 U	1.5 U
2-Butanone	0.58	1.2	2.4	3.2	1.6	0.67	6.3	89	75	170	3700
2-Hexanone	0.2 U	0.22	0.57	0.35	0.2 U	0.2 U	4 U	4 U	4 U	4 U	1 U
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.6	0.25 U	0.25 U	5 U	5 U	5 U	5 U	1.3 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.27	0.63	0.2 U	0.2 U	4 U	4 U	4 U	4 U	1 U
Acetone	7.3	8	15	22	8.4	5.9	530	32	52	29	460
Benzene	0.69	0.62	1.3	4.7	0.43	0.69	13	12	6.2	4.8	5.6
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	5.2 U	5.2 U	5.2 U	5.2 U	1.3 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	6.6 U	6.6 U	6.6 U	6.6 U	1.7 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	11 U	11 U	11 U	11 U	2.6 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	3.8 U	3.8 U	3.8 U	3.8 U	0.95 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	3.2 U	3.2 U	3.2 U	3.2 U	0.8 U
Carbon tetrachloride	0.38	0.44	0.52	0.56	0.43	0.61	6.2 U	6.2 U	6.2 U	6.2 U	1.6 U
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	4.6 U	4.6 U	4.6 U	4.6 U	1.2 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	260	23	16	11	4.5
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	83	32	20	16	2.8
Chloromethane	1.1	0.9	1.4	1.5	1.1	1.1	2 U	2 U	2 U	2 U	0.5 U
cis-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2900	710	400	410	100
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 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	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
Cyclohexane	0.17 U	0.17 U	0.35	1.1	0.17 U	0.17 U	3.4 U	3.4 U	3.4 U	3.4 U	0.85 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U
Dichlorodifluoromethane	2	2.2	2.6	2.7	2.6	2.6	5 U	5 U	5 U	5 U	2.7
Ethanol	4	5.4	10	47	4.3	3.5	320	36	46	33	22
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.31	0.37 U	0.18 U	7.3 U	3.6 U	3.6 U	7.3 U	0.9 U
Ethylbenzene	0.22 U	0.25	0.52	2	0.22 U	0.22 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	22 U	22 U	22 U	22 U	5.4 U
Hexane	1.5	0.75	1.1	2.9	0.38	2.8	5	3.6 U	3.6 U	3.6 U	2.3
Isopropyl alcohol	1.4	1.4	1.8	4.3	1.4	0.67	190	5.1	4.6	5 U	4.6
m,p-Xylene	0.43 U	0.72	1.4	6.4	0.44	0.43 U	8.6 U	8.6 U	8.6 U	8.6 U	2.2 U
Methylene chloride	5.5	3.1	0.65	1.5	0.78	7.4	7.8	7 U	9.6	7 U	12
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	3.6 U	3.6 U	3.6 U	3.6 U	0.9 U
n-Heptane	0.2 U	0.27	0.92	1.6	0.2 U	0.2 U	4 U	4 U	4 U	4 U	1 U
o-Xylene	0.22 U	0.27	0.53	2.2	0.22 U	0.22 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	3.5 U	1.8 U	1.8 U	3.5 U	0.45 U
Styrene	0.21 U	0.21 U	0.21 U	0.28	0.21 U	0.21 U	4.2 U	17	4.2 U	4.2 U	1.7
Tetrachloroethene	0.34 U	0.34 U	0.73	0.77	0.34 U	0.34 U	210	310	190	97	8
Tetrahydrofuran	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	16	110	69	140	2200
Toluene	0.94	1.5	3.2	14	0.71	0.99	13	4.7	3.8 U	3.8 U	0.95 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	26	6.1	4 U	4.7	1 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	4.4 U	4.4 U	4.4 U	4.4 U	1.1 U
Trichloroethene	0.27 U	0.27 U	0.27 U	0.39	0.27 U	0.27 U	51000	20000	14000	8900	2400
Trichlorofluoromethane	1.3	1.2	1.7	2.4	1.5	2	3500	200	120	67	16
Trichlorotrifluoroethane	0.68	0.53	0.5	0.47	0.64	0.48	7.6 U	7.6 U	7.6 U	7.6 U	1.9 U
Vinyl acetate	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	15 U	3.6 U	3.6 U	15 U	0.9 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	2.6 U	2.6 U	2.6 U	2.6 U	0.65 U

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	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-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
1,1,1-Trichloroethane	69000	32000	21000	16000	16000	5600	8500	7800	8200	8100
1,1,2,2-Tetrachloroethane	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	1.4 U	1.7 U	1.7 U	1.7 U
1,1,2-Trichloroethane	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	1.1 U	1.4 U	1.4 U	1.4 U
1,1-Dichloroethane	5200	2500	2100	2200	1600	1700	1800	1600	2100	1700
1,1-Dichloroethene	850	210	100	110	55	14	15	8.5	9.4	6.6
1,2,4-Trichlorobenzene	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	7.4 U	1.5 U	1.9 U	1.9 U	1.9 U
1,2,4-Trimethylbenzene	5 U	5 U	5 U	16	6.2	5 U	1 U	1.3 U	1.3 U	1.3 U
1,2-Dibromoethane (EDB)	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	1.6 U	1.9 U	1.9 U	1.9 U
1,2-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	6 U	1.2 U	1.5 U	1.5 U	1.5 U
1,2-Dichloroethane	4 U	4 U	4 U	4 U	4 U	4 U	0.8 U	1 U	1 U	1 U
1,2-Dichloropropane	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	0.92 U	1.2 U	1.2 U	1.2 U
1,2-Dichlorotetrafluoroethane	7 U	7 U	7 U	7 U	7 U	7 U	1.4 U	1.8 U	1.8 U	1.8 U
1,3,5-Trimethylbenzene	5 U	5 U	5 U	7.3	5 U	5 U	1 U	1.3 U	1.3 U	1.3 U
1,3-Butadiene	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.44 U	0.55 U	0.55 U	0.55 U
1,3-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	6 U	1.2 U	1.5 U	1.5 U	1.5 U
1,4-Dichlorobenzene	6 U	6 U	6 U	6 U	6 U	6 U	1.2 U	1.5 U	1.5 U	1.5 U
2-Butanone	120	280	300	130	97	8.7	12	7.3	8.5	5.5
2-Hexanone	4 U	4 U	4 U	4 U	4 U	4 U	0.8 U	1 U	1 U	1 U
4-Ethyltoluene	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1.3 U	1.3 U	1.3 U
4-Methyl-2-pentanone	4 U	4 U	4 U	4 U	4 U	4 U	0.8 U	1 U	1 U	1 U
Acetone	580	64	81	33	22	580	38	58	30	24
Benzene	5.2	5.2	4.1	3.2 U	3.2 U	3.2 U	3.9	4.5	1.9	2.3
Benzyl chloride	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	1.1 U	1.3 U	1.3 U	1.3 U
Bromodichloromethane	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	1.4 U	1.7 U	1.7 U	1.7 U
Bromoform	11 U	11 U	11 U	11 U	11 U	11 U	2.1 U	2.6 U	2.6 U	2.6 U
Bromomethane	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	0.76 U	0.95 U	0.95 U	0.95 U
Carbon disulfide	3.2 U	3.2 U	3.2 U	3.2 U	3.2 U	5.7	3.4	2.7	3.7	3.3
Carbon tetrachloride	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	6.2 U	1.3 U	1.6 U	1.6 U	1.6 U
Chlorobenzene	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	0.92 U	1.2 U	1.2 U	1.2 U
Chloroethane	140	50	34	18	13	170	150	88	41	33
Chloroform	42	24	19	29	21	4.8 U	1	1.2 U	1.3	1.2 U
Chloromethane	2 U	2 U	2 U	2 U	2 U	2 U	0.4 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	700	360	220	250	150	1100	1300	1200	1700	1200
cis-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U

**Table 1.
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	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-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
Cyclohexane	3.4 U	5.3	3.4 U	3.4 U	3.4 U	3.4 U	5.6	5	3.7	2.1
Dibromochloromethane	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	1.8 U	2.2 U	2.2 U	2.2 U
Dichlorodifluoromethane	5 U	5 U	5 U	5 U	5 U	5 U	2.5	3.2	770	2.6
Ethanol	360	38	73	38	25	350	26	29	17	15
Ethyl acetate	7.3 U	3.6 U	3.6 U	7.3 U	3.6 U	7.3 U	0.72 U	0.9 U	1.9 U	0.9 U
Ethylbenzene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U
Hexachlorobutadiene	22 U	22 U	22 U	22 U	22 U	22 U	4.3 U	5.4 U	5.4 U	5.4 U
Hexane	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	10	10	7.6	5.5	3.1
Isopropyl alcohol	210	18	33	15	10	210	18	21	12	8.5
m,p-Xylene	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	8.6 U	1.8 U	2.2 U	2.2 U	2.2 U
Methylene chloride	7 U	7 U	7.5	7 U	7 U	9.3	2.6	8	1.8	1.8 U
Methyl-t-butyl ether	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.5	2.9	4.9	3.1
n-Heptane	4 U	4 U	4 U	4 U	4 U	4 U	1.4	1 U	1 U	1 U
o-Xylene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U
Propylene (Propene)	3.5 U	1.8 U	1.8 U	3.5 U	1.8 U	3.5 U	160	110	0.87 U	0.45 U
Styrene	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	0.84 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	330	290	130	290	190	66	69	56	84	69
Tetrahydrofuran	75	480	260	730	570	41	23	12	14	7.5
Toluene	12	3.8 U	3.8 U	3.8 U	3.8 U	14	2.9	3.6	1.7	0.95 U
trans-1,2-Dichloroethene	12	6.3	4.2	6.4	4 U	150	140	90	90	80
trans-1,3-Dichloropropene	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	0.88 U	1.1 U	1.1 U	1.1 U
Trichloroethene	12000	6900	4200	4400	4800	230	210	180	180	200
Trichlorofluoromethane	2300	870	630	350	250	1800	1400	900	690	640
Trichlorotrifluoroethane	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	7.6 U	1.6 U	1.9 U	1.9 U	1.9 U
Vinyl acetate	15 U	3.6 U	3.6 U	15 U	3.6 U	15 U	0.72 U	0.9 U	3.6 U	0.9 U
Vinyl chloride	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	280	370	180	48	21

**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						Indoor Air - Center 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-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
1,1,1-Trichloroethane	500	48	0.92	0.27 U	0.27 U	0.27 U	0.27 U	110	3.9	0.27 U	0.29	0.27 U	0.27 U
1,1,2,2-Tetrachloroethane	0.14	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	12	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	430	1.8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.9	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	20	0.58	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	NA	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	52	0.25 U	0.32	0.33	0.36	0.25 U	0.25 U	0.75	0.32	0.29	1.5	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.038	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	410	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.31	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.42	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	NA	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	52	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.38	0.25 U	0.25 U
1,3-Butadiene	NA	0.11 U	0.11 U	0.11 U	0.25	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.1	0.11 U	0.11 U
1,3-Dichlorobenzene	410	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	24	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.41	0.3 U	0.3 U
2-Butanone	500	7.2	2.4	2.7	2.6	0.75	0.45	120	10	3.2	2.9	2.4	2.3
2-Hexanone	NA	0.2 U	0.48	0.38	0.27	0.2 U	0.2 U	0.2 U	0.42	0.37	0.34	0.2 U	0.37
4-Ethyltoluene	NA	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.47	0.25 U	0.25 U
4-Methyl-2-pentanone	200	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.36	0.2 U	0.2 U
Acetone	500	32	11	21	20	9.5	6.5	44	14	14	25	11	8.5
Benzene	3.3	0.79	0.6	0.99	1.6	0.41	0.55	1	0.6	0.98	4.1 [a]	0.41	0.7
Benzyl chloride	NA	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.46	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	7.3	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	NA	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	NA	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.54	0.33	0.44	0.5	0.55 [a]	0.47	0.61 [a]	0.39	0.42	0.52	0.59 [a]	0.47	0.6 [a]
Chlorobenzene	200	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	500	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.5	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	80	1.1	1	1.5	1.4	1.1	1.1	1.3	0.9	1.4	1.5	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	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	2.9	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U

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

Parameter (ug/m ³)	CT IACTIND 2003 (ug/m3)	Indoor Air - Eastern Small Retail Space						Indoor Air - Center 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-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
Cyclohexane	NA	0.17 U	0.17 U	0.38	0.41	0.17 U	0.17 U	0.17 U	0.17 U	0.25	0.91	0.17 U	0.17 U
Dibromochloromethane	NA	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	500	2	2.2	2.5	2.7	2.6	2.6	2	2.1	2.6	2.8	2.6	2.6
Ethanol	NA	590	12	23	140	85	32	41	23	12	40	13	12
Ethyl acetate	NA	0.75	0.37 U	0.18 U	0.18 U	0.37 U	0.18 U	0.37 U	0.37 U	0.18 U	0.22	0.37 U	0.18 U
Ethylbenzene	290	0.22 U	0.25	0.33	0.43	0.22 U	0.22 U	0.29	0.25	0.33	1.6	0.22 U	0.22 U
Hexachlorobutadiene	NA	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Hexane	NA	0.84	0.54	1.1	0.99	0.39	0.5	1.2	0.78	0.7	2.6	0.33	0.4
Isopropyl alcohol	NA	3.8	3.5	580	2.9	3	1.3	4.7	6.6	3.2	4.9	1.7	1.6
m,p-Xylene	500	0.6	0.74	0.91	1.2	0.43 U	0.43 U	0.82	0.72	0.84	4.9	0.43 U	0.43 U
Methylene chloride	17	2	3.6	5.2	1.1	1.2	0.74	2.5	5.2	0.59	1.6	0.83	0.69
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	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	NA	0.2 U	0.2 U	0.36	0.35	0.2 U	0.2 U	0.27	0.2 U	0.32	1.3	0.2 U	0.2 U
o-Xylene	500	0.23	0.27	0.35	0.47	0.22 U	0.22 U	0.36	0.26	0.34	1.8	0.22 U	0.22 U
Propylene (Propene)	NA	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U
Styrene	290	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.28	0.21 U	0.21 U
Tetrachloroethene	5	0.39	0.34 U	0.43	0.43	0.34 U	0.34 U	1.2	0.34 U	0.45	1.2	0.34 U	0.34 U
Tetrahydrofuran	NA	3.2	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	77	2.8	0.32	0.15 U	0.15 U	0.15 U
Toluene	500	1.3	1.1	3	3.3	0.65	0.51	1.8	1.3	2.5	11	0.65	0.71
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	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	2.9	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	1	5.5	0.39	0.27 U	0.27 U	0.27 U	0.27 U	13	1.7	0.27 U	0.34	0.27 U	0.27 U
Trichlorofluoromethane	500	3	1.3	1.7	1.8	1.5	1.7	4.8	1.3	1.7	2.5	1.5	1.7
Trichlorotrifluoroethane	NA	0.62	0.54	0.48	0.45	0.64	0.48	0.64	0.51	0.48	0.45	0.64	0.48
Vinyl acetate	NA	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U	0.71 U	0.71 U	0.18 U	0.18 U	0.71 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	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

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

Parameter (ug/m ³)	Indoor Air - Western Small Retail Space					
	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
1,1,1-Trichloroethane	44	2.4	0.4	1.3	0.27 U	0.27 U
1,1,2,2-Tetrachloroethane	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
1,1,2-Trichloroethane	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
1,1-Dichloroethane	1.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.52	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,2,4-Trimethylbenzene	0.25 U	0.34	0.34	0.99	0.25 U	0.25 U
1,2-Dibromoethane (EDB)	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
1,2-Dichlorotetrafluoroethane	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
1,3,5-Trimethylbenzene	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Butadiene	0.11 U	0.11 U	0.14	0.97	0.11 U	0.11 U
1,3-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
1,4-Dichlorobenzene	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Butanone	70	6.5	3.9	5.2	2.2	1.3
2-Hexanone	0.2 U	0.29	0.2 U	0.91	0.2 U	0.2 U
4-Ethyltoluene	0.25 U	0.25 U	0.25 U	0.27	0.25 U	0.25 U
4-Methyl-2-pentanone	0.2 U	0.2 U	0.2 U	0.42	0.2 U	0.2 U
Acetone	29	12	13	32	7.8	6.6
Benzene	0.95	0.75	1.1	3.2	0.67	0.73
Benzyl chloride	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
Bromodichloromethane	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Bromoform	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U	0.51 U
Bromomethane	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Carbon disulfide	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Carbon tetrachloride	0.32	0.44	0.52	0.56 [a]	0.48	0.6 [a]
Chlorobenzene	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Chloroform	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Chloromethane	1.7	0.98	1.4	1.5	1	1.2
cis-1,2-Dichloroethene	0.29	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U

**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 - Western Small Retail Space					
	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
Cyclohexane	0.17 U	0.17 U	0.32	0.7	0.17 U	0.17 U
Dibromochloromethane	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U
Dichlorodifluoromethane	2.1	2.2	2.6	2.7	2.6	2.6
Ethanol	7.3	16	11	26	7.9	8.4
Ethyl acetate	0.37 U	0.37 U	0.18 U	0.21	0.37 U	0.18 U
Ethylbenzene	0.23	0.29	0.36	0.95	0.24	0.22 U
Hexachlorobutadiene	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Hexane	0.9	0.87	0.91	2	1.1	0.6
Isopropyl alcohol	3.7	6.2	3.6	8.3	0.25 U	2.7
m,p-Xylene	0.61	0.82	0.94	2.8	0.73	0.43 U
Methylene chloride	1.9	5.7	0.92	1.5	6.3	1.4
Methyl-t-butyl ether	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U
n-Heptane	0.2	0.2 U	0.37	1.2	0.2 U	0.2 U
o-Xylene	0.24	0.31	0.39	0.97	0.24	0.22 U
Propylene (Propene)	0.18 U	0.18 U	0.09 U	0.09 U	0.18 U	0.09 U
Styrene	0.21 U	0.21 U	0.21 U	0.26	0.21 U	0.21 U
Tetrachloroethene	1.6	0.34 U	0.65	0.63	0.34 U	0.34 U
Tetrahydrofuran	45	2.1	0.74	0.43	0.15 U	0.15 U
Toluene	1.5	1.6	2.7	7.5	1.5	0.76
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
Trichloroethene	4.6	1.1	0.28	0.58	0.27 U	0.27 U
Trichlorofluoromethane	4.7	1.4	1.7	3.1	1.6	1.7
Trichlorotrifluoroethane	0.62	0.57	0.47	0.44	0.66	0.45
Vinyl acetate	0.71 U	0.71 U	0.18 U	0.18 U	0.71 U	0.18 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U

Prepared by / Date: KJC 03/31/09

Checked by / Date: SEH 04/01/09

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

NA - not available

U - Not detected, value is the detection limit

ug/m³ - micrograms per cubic meter

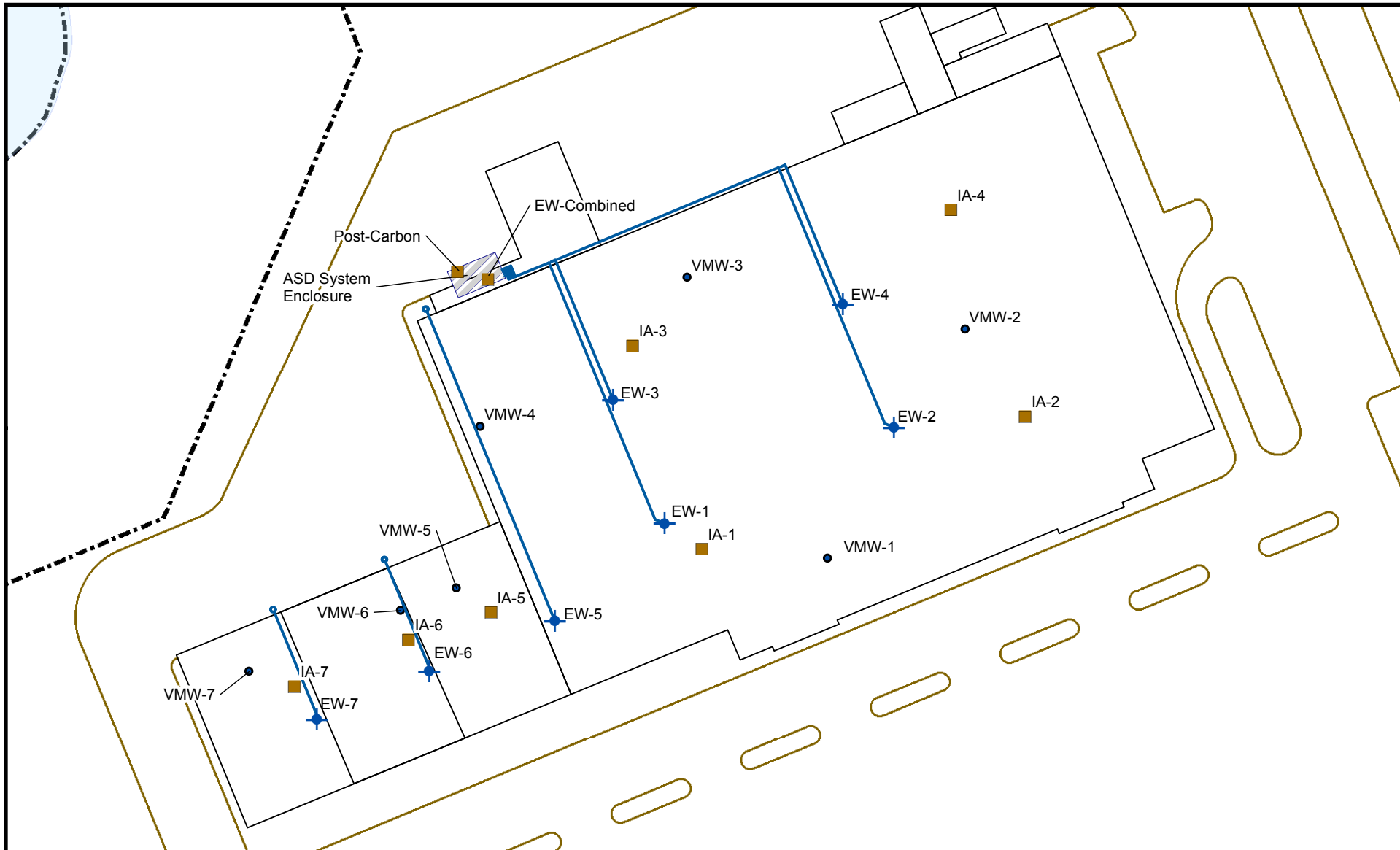
5 Bolded and shaded values are above the CT target indoor air concentration for industrial/commercial scenarios

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	-0.003 to -0.011
2/26/2009	-0.230	-0.120	-0.025
3/6/2009	-0.200	-0.086	-0.012

Prepared by / Date: SEH 04/01/09

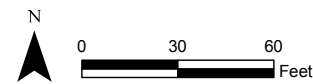
Checked by / Date: BJR 04/01/09



All locations are approximate

Legend

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



Prepared by BJR | Checked by MJM

Figure 1
Vapor Mitigation
Sample Locations

Former Gorham Manufacturing Facility
333 Adelaide Avenue
Providence, Rhode Island



APPENDIX A

LABORATORY REPORTS



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	



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

Comments :

LIMS BATCH NO. : LIMIT-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

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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

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

Purchase Order No.: 200900578

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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

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‡ 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

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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		
Carbon Tetrachloride	ug/m3	0.38	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	ND	0.20		01/22/09	WSD
1,2-Dichloroethane	ug/m3	ND	0.20		01/22/09	WSD
1,1-Dichloroethylene	ug/m3	ND	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	4.0	0.09		01/22/09	WSD
Ethyl Acetate	ug/m3	ND	0.37		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	1.5	0.18		01/22/09	WSD
2-Hexanone	ug/m3	ND	0.20		01/22/09	WSD
Isopropanol	ug/m3	1.4	0.12		01/22/09	WSD
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	0.18		01/22/09	WSD
Methylene Chloride	ug/m3	5.5	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

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‡ 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

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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

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NM = Not Measured

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

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

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

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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

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NM = Not Measured

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

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



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

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

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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

Purchase Order No.: 200900578

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

1/30/2009

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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

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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

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NM = Not Measured

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

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

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

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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

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NM = Not Measured

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‡ 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
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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

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



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

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

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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

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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

Purchase Order No.: 200900578

1/30/2009
 Page 13 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-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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200900578

1/30/2009

Page 14 of 37

Project Number: 3650080114

Project Location: PROVIDENCE-RI (GORHAM SITE)

LIMS-BAT #: LIMIT-22691

Date Received: 1/19/2009

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

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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

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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

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NM = Not Measured

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

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

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

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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

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NM = Not Measured

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

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

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

1/30/2009
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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

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NM = Not Measured

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

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

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

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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

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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

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NM = Not Measured

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‡ 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
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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

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

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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

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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

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‡ 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

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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

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



CHUCK COLLET

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

1/30/2009

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WAKEFIELD, MA 01880

Purchase Order No.: 200900578

Project Number: 3650080114

Project Location: PROVIDENCE-RI (GORHAM SITE)

LIMS-BAT #: LIMIT-22691

Date Received: 1/19/2009

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

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

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

1/30/2009
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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



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
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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

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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

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NM = Not Measured

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

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

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

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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

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NM = Not Measured

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

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



CHUCK COLLET

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

Purchase Order No.: 200900578

1/30/2009

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

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

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‡ 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
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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 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

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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

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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

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‡ 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

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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

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NM = Not Measured

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‡ 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

Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

1/30/2009

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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		
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
to-15 ug/m				EPA TO-15		
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

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



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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200900578

1/30/2009

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Project Location: PROVIDENCE-RI (GORHAM SITE)

Date Received: 1/19/2009

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

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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

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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

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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

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Project Number: 3650080114

LIMS-BAT #: LIMIT-22691

Job Number: 3650080114

** END OF REPORT **

RL = Reporting Limit

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



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 1/30/2009

Lims Bat # : LIMIT-22691

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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	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 1/30/2009

Lims Bat # : LIMIT-22691

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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					



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 1/30/2009

Lims Bat # : LIMIT-22691

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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

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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	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 1/30/2009

Lims Bat # : LIMIT-22691

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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	
		Lab Fort Blk. % Rec.	100.38	%	70-130
	Methylene Chloride	Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	22.34	ug/m3	
		Lab Fort Blk. % Rec.	128.68	%	70-130
	Chlorobenzene	Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	21.91	ug/m3	
		Lab Fort Blk. % Rec.	95.15	%	70-130
	Chloromethane	Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.59	ug/m3	
		Lab Fort Blk. % Rec.	102.58	%	70-130
	Bromomethane	Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	23.01	ug/m3	
		Lab Fort Blk. % Rec.	118.60	%	70-130
	Chloroethane	Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	14.16	ug/m3	
		Lab Fort Blk. % Rec.	107.42	%	70-130
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.45	ug/m3	
		Lab Fort Blk. % Rec.	85.69	%	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.	87.79	%	70-130
	Chlorodibromomethane	Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	45.90	ug/m3	
		Lab Fort Blk. % Rec.	107.76	%	70-130
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	24.97	ug/m3	
		Lab Fort Blk. % Rec.	91.55	%	70-130
	Bromoform	Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	66.54	ug/m3	
		Lab Fort Blk. % Rec.	128.72	%	70-130
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	39.02	ug/m3	
		Lab Fort Blk. % Rec.	113.66	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	69.85	ug/m3	
		Lab Fort Blk. % Rec.	130.97	%	70-130
	1,2,4-Trichlorobenzene	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	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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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



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 1/30/2009

Lims Bat # : LIMIT-22691

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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

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Company Name: MACTEC
 Address: 107 Audubon Rd, Suite 301
Wakefield, MA 01880

Attention: Chuck Collet
 Project Location: Providence, RI (Gosham Site)
 Sampled By: PTM

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

Telephone: (Tel) 245-6666
 Project # 3650000114
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Format: EXCEL PDF GIS KEY OTHER
 Email: caacollect@mactec.com

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 #	Start		Stop		Total	Flow Rate	Volume	Matrix	Code*
				Date	Time	Date	Time					
IA-1	MACTEC 39	S	MACTEC 39	1.16.09	0900	1.16.09	0930	30	0.2	6	IA	X
IA-2		S		1.16.09	0904	1.16.09	0934	30	0.2	6	IA	X
IA-3		S		1.16.09	0902	1.16.09	0932	30	0.2	6	IA	X
IA-4		S		1.16.09	0905	1.16.09	0935	30	0.2	6	IA	X
IA-5		S		1.16.09	0947	1.16.09	1017	30	0.2	6	IA	X
IA-6		S		1.16.09	0945	1.16.09	1015	30	0.2	6	IA	X
IA-7		S		1.16.09	0942	1.16.09	1012	30	0.2	6	IA	X
AA-1		S		1.16.09	0902	1.16.09	0937	30	0.2	6	AMB	X

CLIENT COMMENTS:

Relinquished by: (signature) [Signature] Date/Time: 1.19.09 / 1402

Received by: (signature) [Signature] Date/Time: 1.19.09 / 1402

Relinquished by: (signature) [Signature] Date/Time: 1.19.09 / 1648

Received by: (signature) [Signature] Date/Time: 01/19/09 / 1648

Turnaround **
 7-Day
 10-Day
 Other _____

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

*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.



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 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

Address: 107 Avon Rd, Suite 301

Wakefield, MA 01880

Attention: Chuck Collet

Project Location: Providence, RI (Gosham St)

Sampled By: PSM

Proposal Provided? (For Billing purposes)

Yes 1.9.09 proposal date

Telephone: (781) 245-6666
 Project # 305008014
 Client PO # _____

LFMT-22691

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: ccollet@macTel.com
 Format: EXCEL PDF GIS KEY OTHER EAWS E2 Edb

ONLY USE WHEN USING PUMPS

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	Please fill out completely, sign, date and retain the yellow copy for your record.
			Start Date Time	Stop Date Time							
5	PVC glue test	0801347	1.18.09 11:09	1.18.09 11:39	30	0.2	6	IA	X		Summa Canister ID: <u>1004</u> Flow Controller ID: <u>4078</u>

Laboratory Comments:

CLIENT COMMENTS:

PVC glue test sample was exposed to PVC glue and primer in enclosed room. HighActive and method etyl. Ketone expected.

Relinquished by: (signature) [Signature] Date/Time: 1.19.09 / 1402

Received by: (signature) [Signature] Date/Time: 1.15.09 1402

Relinquished by: (signature) [Signature] Date/Time: 1.19.09 1648

Received by: (signature) [Signature] Date/Time: 01/19/09 1648

Turnaround **
 7-Day
 10-Day
 Other _____

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

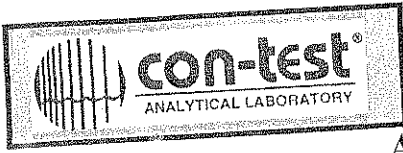
Regulations: CT Target Indoor Air (Low level)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: _____
 Other: _____

*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=teardar 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
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? 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: _____



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 #: LIMT-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	



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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
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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

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

2/11/2009
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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

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

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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

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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

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

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 WAKEFIELD, MA 01880

2/11/2009
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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
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

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CHUCK COLLET
 MACTEC ENGINEERING & CONSULTING - MA
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 WAKEFIELD, MA 01880

2/11/2009
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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

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‡ 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

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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

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‡ 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

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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

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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

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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

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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

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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

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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		
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

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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

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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

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NM = Not Measured

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‡ 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

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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

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NM = Not Measured

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

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



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

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

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‡ 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

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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

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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

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NM = Not Measured

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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

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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

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

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

2/11/2009
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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-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		
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
to-15 ug/m				EPA TO-15		
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

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NM = Not Measured

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

2/11/2009

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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

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NM = Not Measured

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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

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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

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

2/11/2009

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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

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

2/11/2009
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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

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

Purchase Order No.: 200902144

2/11/2009

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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

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‡ 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

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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

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NM = Not Measured

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‡ 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

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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

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NM = Not Measured

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

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



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

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

2/11/2009
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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

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

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



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.: 200902144

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/4/2009

2/11/2009

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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

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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

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ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

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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

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NM = Not Measured

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

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



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

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

2/11/2009
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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
				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	0.06	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
				EPA TO-15		
to-15 ug/m						
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

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‡ 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
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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 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

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‡ 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

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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

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NM = Not Measured

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‡ 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

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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

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NM = Not Measured

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

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

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

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NM = Not Measured

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

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

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

2/11/2009
 Page 35 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 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

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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

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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

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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

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NM = Not Measured

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‡ 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
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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

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NM = Not Measured

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‡ 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

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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

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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

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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
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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

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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

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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

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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

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

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 WAKEFIELD, MA 01880

2/11/2009
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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
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	0.07	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
to-15 ug/m				EPA TO-15		
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

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



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 WAKEFIELD, MA 01880

2/11/2009
 Page 47 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
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

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NM = Not Measured

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‡ 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

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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

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

2/11/2009

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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

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



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

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

2/11/2009
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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 # : 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

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2/11/2009

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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

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

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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

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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

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 MACTEC ENGINEERING & CONSULTING - MA
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Purchase Order No.: 200902144

2/11/2009
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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.

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

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

2/11/2009
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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.

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Purchase Order No.: 200902144

2/11/2009
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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	Limit	Sample Results	
	PPBv	ug/m3	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	Limit	Sample Results	
	PPBv	ug/m3	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	Limit	Sample Results	
	PPBv	ug/m3	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	Limit	Sample Results	
	PPBv	ug/m3	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	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 **

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



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 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		



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/11/2009

Lims Bat # : LIMIT-23042

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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



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

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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	

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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	

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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	



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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	



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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	



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



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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	



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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	



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QC SUMMARY REPORT

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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	



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QC SUMMARY REPORT

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Lims Bat # : LIMIT-23042

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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



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SAMPLE QC: Sample Results with Duplicates

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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	



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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	



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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

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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.



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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
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 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)

yes no

proposal date _____

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

Field ID	Sample Description	Media	Lab #	Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate (L/Min)	Volume (Liters) or (M ³)	Matrix Code*	ANALYSIS REQUESTED		Summa Canister ID	Flow Controller ID
										Hg	Other		
IA-1-020309		S	09R03218	020309/0844	020309/0854	10	0.6	6	IA	X		1310	4086
IA-2-020309		S	19	0845	0915	30	0.2	6	IA	X		1115	4094
IA-3-020309		S	20	0847	0917	30	0.2	6	IA	X		1447	4090
IA-4-020309		S	21	0848	0918	30	0.2	6	IA	X		1291	4082
IA-5-020309		S	22	0938	1008	30	0.2	6	IA	X		1331	4069
IA-6-020309		S	23	0934	1004	30	0.2	6	IA	X		1051	4079
IA-7-020309		S	24	0944	1014	30	0.2	6	IA	X		1067	4070
AA-1-020309		S	25	0949	1019	30	0.2	6	AMB	X		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 1715

Received by: (signature) _____ Date/Time: 2-4-09 1715

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

Special Requirements
 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)

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.

AHA, 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

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

LAINT-23042

Attention: Chuck Collet

Project Location: Providence, RI (Dorham Stz)

Sampled By: PSM / TRH

Proposal Provided? (For Billing purposes)

Yes 1-29-09 proposal date

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: ccollet@maectec.com

Format: EXCEL PDF GIS KEY OTHER

ANALYSIS REQUESTED	"Hg"	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
		Summa Canister ID	Flow Controller ID	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 Time	Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min	Volume Liters for M ³	Matrix Code*
EW-5-020309	S	08B03226	2.3.09/1130	2.3.09/1200	30	0.2	6	56	X
EW-6-020309	S	27	2.3.09/1140	2.3.09/1210	30	0.2	6	56	X
EW-7-020309	S	28	2.3.09/1156	2.3.09/1226	30	0.2	6	56	X
EW-Combined-020309	S	29	2.3.09/1238	2.3.09/1308	30	0.2	6	56	X
Post carbon-020309	S	30	2.3.09/1239	2.3.09/1309	30	0.2	6	56	X

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.

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

Reported by: (signature) _____ Date/Time: 2-4-09/1238

Prepared by: (signature) _____ Date/Time: 2-4-09/1715

Received by: (signature) _____ Date/Time: 2/26/09

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

Approval Required

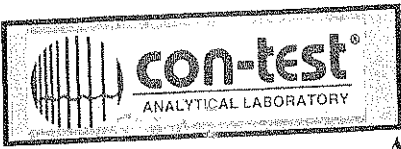
Special Requirements
 Regulations: CT Target Indoor Air (Commercial)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: CT Target Indoor Air Conc. (Commercial)
 Other: _____

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

**Media Codes:
 S= summa can
 TB= leadler 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: MacTree 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: _____



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 #: LIMT-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	



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

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

Page 2 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		
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

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NM = Not Measured

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

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

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

2/19/2009
 Page 3 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 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

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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

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NM = Not Measured

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‡ 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
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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

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NM = Not Measured

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CHUCK COLLET

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

2/19/2009

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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-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		
Carbon Tetrachloride	ug/m3	ND	6.2		02/17/09	XC
Chlorobenzene	ug/m3	ND	4.6		02/17/09	XC
Chlorodibromomethane	ug/m3	ND	8.6		02/17/09	XC
Chloroethane	ug/m3	23	2.6		02/17/09	XC
Chloroform	ug/m3	32	4.8		02/17/09	XC
Chloromethane	ug/m3	ND	2.0		02/17/09	XC
Cyclohexane	ug/m3	ND	3.4		02/17/09	XC
1,2-Dibromoethane	ug/m3	ND	7.6		02/17/09	XC
1,2-Dichlorobenzene	ug/m3	ND	6.0		02/17/09	XC
1,3-Dichlorobenzene	ug/m3	ND	6.0		02/17/09	XC
1,4-Dichlorobenzene	ug/m3	ND	6.0		02/17/09	XC
Dichlorodifluoromethane	ug/m3	ND	5.0		02/17/09	XC
1,1-Dichloroethane	ug/m3	1900	4.0		02/17/09	XC
1,2-Dichloroethane	ug/m3	ND	4.0		02/17/09	XC
1,1-Dichloroethylene	ug/m3	290	4.0		02/17/09	XC
cis-1,2-Dichloroethylene	ug/m3	710	4.0		02/17/09	XC
t-1,2-Dichloroethylene	ug/m3	6.1	4.0		02/17/09	XC
1,2-Dichloropropane	ug/m3	ND	4.6		02/17/09	XC
cis-1,3-Dichloropropene	ug/m3	ND	4.4		02/17/09	XC
trans-1,3-Dichloropropene	ug/m3	ND	4.4		02/17/09	XC
1,2-Dichlorotetrafluoroethane (114)	ug/m3	ND	7.0		02/17/09	XC
Ethanol	ug/m3	36	1.8		02/17/09	XC
Ethyl Acetate	ug/m3	ND	3.6		02/17/09	XC
Ethylbenzene	ug/m3	ND	4.4		02/17/09	XC
4-Ethyl Toluene	ug/m3	ND	5.0		02/17/09	XC
n-Heptane	ug/m3	ND	4.0		02/17/09	XC
Hexachlorobutadiene	ug/m3	ND	22		02/17/09	XC
Hexane	ug/m3	ND	3.6		02/17/09	XC
2-Hexanone	ug/m3	ND	4.0		02/17/09	XC
Isopropanol	ug/m3	5.1	2.4		02/17/09	XC
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	3.6		02/17/09	XC
Methylene Chloride	ug/m3	ND	7.0		02/17/09	XC
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	4.0		02/17/09	XC
Propene	ug/m3	ND	1.8		02/17/09	XC
Styrene	ug/m3	17	4.2		02/17/09	XC

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‡ 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

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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

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‡ 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

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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

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



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

CHUCK COLLET

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

2/19/2009

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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

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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

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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

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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

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‡ 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
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Purchase Order No.: 200902529

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

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

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		
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
to-15 ug/m				EPA TO-15		
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

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NM = Not Measured

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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NM = Not Measured

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

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

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

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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		
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

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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

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‡ 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

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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

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NM = Not Measured

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

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

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

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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

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‡ 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

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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

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‡ 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

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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

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NM = Not Measured

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‡ 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

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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

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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
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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
to-15 ppbv				EPA TO-15		
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
to-15 ug/m				EPA TO-15		
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

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NM = Not Measured

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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		
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

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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

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

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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		
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

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NM = Not Measured

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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NM = Not Measured

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‡ 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

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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

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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 ppbv				EPA TO-15		
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
to-15 ug/m				EPA TO-15		
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

Project Location: GORHAM-PROVIDENCE-RI

Date Received: 2/12/2009

Purchase Order No.: 200902529

2/19/2009

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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		
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

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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

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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
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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

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NM = Not Measured

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

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

CHUCK COLLET

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

2/19/2009

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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-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

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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

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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

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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-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

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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NM = Not Measured

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‡ 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

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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
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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

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‡ 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
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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.

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‡ 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
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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 **

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NM = Not Measured

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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

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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

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 2/19/2009

Lims Bat # : LIMIT-23290

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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

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 2/19/2009

Lims Bat # : LIMIT-23290

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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

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Report Date: 2/19/2009

Lims Bat # : LIMIT-23290

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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

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 2/19/2009

Lims Bat # : LIMIT-23290

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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



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QC SUMMARY REPORT

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Lims Bat # : LIMIT-23290

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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	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 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	
		Lab Fort Blk. Found	11.06	ug/m3	
		Lab Fort Blk. % Rec.	100.02	%	70-130



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 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: MACTEC ENGINEERING
 Address: 107 Avakian Rd
Watertown, MA 01880

Telephone: (413) 248 6606
 Project # 365080114 11
 Client PO # _____

LFMT-23290

Attention: Chuck Gilr

Project Location: Coakem Pondhouse RI

Sampled By: T Hanlon

Proposal Provided? (For Billing purposes)

yes _____ proposal date _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: CAQUITT@MACTEC.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		Summa Canister ID	Flow Controller ID
										"Hg	PLEASE FILL OUT COMPLETELY, sign, date and retain the yellow copy for your record.		
IA-1-021109	S	D98042 D3	021109/103	1132	30	0.2	6	IA	K	-30-52	1844	4081	
IA-2-021109	S	04	021109/106	1136	30	0.2	IA	X	-24-51	1154	4079		
IA-4-021109	S	05	021109/104	1124	30	0.2	IA	X	-24-54	1494	4082		
IA-3-021109	S	06	021109/111	1141	30	0.2	IA	K	-24-3	1265	4094		
IA-5-021109	S	07	021109/125	1323	28	0.2	IA	K	-24-4	1056	4072		
IA-6-021109	S	08	021109/135	1335	30	0.2	IA	X	-24-5	1125	4078		
IA-7-021109	S	09	021109/138	1338	30	0.2	IA	K	-24-4	1040	4071		
EL-5-021109	S	10	021109/143	1506	30	0.2	IA	K	-24-5	1102	4087		

Laboratory Comments: _____

CLIENT COMMENTS: _____

Relinquished by (Signature): _____ Date/Time: 2-12-09 11:50

Received by (Signature): _____ Date/Time: 2-12-09 11:30

Received by (Signature): _____ Date/Time: 2-12-09 18:00

Received by (Signature): _____ Date/Time: 2-12-09 15:00

Turnaround **
 7-Day
 10-Day
 Other _____

Special Requirements: _____

Regulations: (T=Target Indoor Concentration)
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: (T=Target Indoor Air Conc. Concentration)
 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=teflon 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



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

Company Name: MAKTEL
 Address: 107 Ardubon Rd.
Waltham, MA 01780
 Attention: Chuck Clark
 Project Location: Providence RI (Garth in State)
 Sampled By: T Harlow

Proposal Provided? (For Billing purposes)
 yes no proposal date _____
 DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT
 Fax #: _____
 Email: ckclark@maktel.com EQ: EQ
 Format: EXCEL PDF GIS KEY OTHER _____

Field ID	Sample Description	Media	Lab #	Date		Total	Flow Rate	Volume	Matrix Code*	ANALYSIS REQUESTED	"Hg	Please fill out completely, sign, date and retain the yellow copy for your record.	
				Start Time	Stop Time								
PST	Calcn-021109	S	D98042-11	021109/1421	1451	30	0.2	6	SG	X	-24-5	1231	4089
	EW-Calcn-021109	S		021109/1422	1452	30	0.2	6	SG	X	-24-5	1257	4040
	AA-1-021109	S		021109/1510	1610	30	0.2	6	AMB	X	-24-5	1480	4086
	EW-6-021109	S		021109/1537	1607	30	0.2	6	SG	X	-30-45	1317	4084
	EW-7-021109	S		021109/1539	1604	30	0.2	6	SG	X	-24-5	1143	4069

Laboratory Comments: _____
 CLIENT COMMENTS: _____

Relinquished by (signature) _____ Date/Time: 2/14/04 1150
 Received by (signature) _____ Date/Time: 11/2
 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
 *Approval Required

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

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

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



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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: _____



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

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	



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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

Purchase Order No.: 200902529

2/26/2009

Page 1 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 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

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NM = Not Measured

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‡ 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

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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

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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		
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
to-15 ug/m				EPA TO-15		
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

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‡ 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

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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

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‡ 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

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NM = Not Measured

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‡ 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

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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

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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

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‡ 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

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‡ 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

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



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

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

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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

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NM = Not Measured

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

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



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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

2/26/2009

Page 15 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-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

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‡ 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

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‡ 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

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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

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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

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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

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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

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‡ 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

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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

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‡ 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

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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

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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

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‡ 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

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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

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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

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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

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NM = Not Measured

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‡ 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

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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
				EPA TO-15		
to-15 ppbv						
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
				EPA TO-15		
to-15 ug/m						
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

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



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

MIKE MURPHY

MACTEC ENGINEERING & CONSULTING - MA

107 AUDUBON ROAD, BLDG. 2, SUITE 301

WAKEFIELD, MA 01880

Purchase Order No.: 200902529

2/26/2009

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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

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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

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NM = Not Measured

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

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

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

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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

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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

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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

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NM = Not Measured

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‡ 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

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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

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‡ 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

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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

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



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

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

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NM = Not Measured

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

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

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

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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

Purchase Order No.: 200902529

2/26/2009
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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-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

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‡ 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

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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

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NM = Not Measured

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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‡ 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

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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

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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

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‡ 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

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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

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‡ 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

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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

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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

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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

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‡ 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

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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

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NM = Not Measured

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‡ 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

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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

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



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

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

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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

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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

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‡ 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

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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

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‡ 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
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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
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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

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‡ 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

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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

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NM = Not Measured

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



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

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

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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



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/26/2009

Lims Bat # : LIMIT-23445

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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	



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/26/2009

Lims Bat # : LIMIT-23445

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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



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/26/2009

Lims Bat # : LIMIT-23445

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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



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 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 _____

Date Sampled _____
 ONLY USE WHEN USING PUMPS

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 0753	2-18-09 0823	30	0.2	6	IA	X	-21	1087
IA-2-021809		S		2-18-09 0755	2-18-09 0825	30	0.2	6	IA	X	-30	1030
IA-3-021809		S		2-18-09 0757	2-18-09 0827	30	0.2	6	IA	X	-30	1298
IA-4-021809		S		2-18-09 0758	2-18-09 0828	30	0.2	6	IA	X	-30	1100
IA-5-021809		S		2-18-09 1024	2-18-09 1054	30	0.2	6	IA	X	-30	1122
IA-6-021809		S		2-18-09 0851	2-18-09 0921	30	0.2	6	IA	X	-26	1021
IA-7-021809		S		2-18-09 0853	2-18-09 0923	30	0.2	6	IA	X	-29	1300
AA-1-021809		S		2-18-09 0901	2-18-09 0931	30	0.2	6	AMB	X	-21.5	1825

Laboratory Comments:

CLIENT COMMENTS:

ANALYSIS REQUESTED

Low 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.

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: 2-19-09/1204

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
 (Surcharge Applies)
 Required Detection Limits: CT Target Indoor Air Level (Commercial)

Special Requirements

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.

AHA, NELAC & WEDBE Certified



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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

Telephone: (978) 245-6606
 Project # 305000114
 Client PO # _____

Attention: Mike Murphy

Project Location: Graham Site, Providence, RI

Sampled By: PSM

Proposal Provided? (For Billing purposes)

yes 2-11-09 proposal date

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax # : _____
 Email: m.j.murphy@mac-tec.com
 Format: EXCEL PDF GIS KEY OTHER _____

Date Sampled ONLY USE WHEN USING PUMPS

Field ID	Sample Description	Media	Lab #	Start		Stop		Total Minutes Sampled	Flow Rate (L/Min)	Volume (Liters or M ³)	Matrix Code*	Analysis Requested	"Hg" Requested	Please fill out completely, sign, date and retain the yellow copy for your record.
				Date Time	Date Time	Date Time	Date Time							
EW-5-021809	S	DBDS186	2-18-09 0915	2-18-09 0945	30	0.2	6	30	0.2	6	SG	X	10-15 Lowlevel Scan	Summa canisters will 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.
EW-6-021809	S		2-18-09 0919	2-18-09 0949	30	0.2	6	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	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.
EW-Combured-021809	S		2-18-09 1104	2-18-09 1134	30	0.2	6	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	30	0.2	6	SG	X		Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Client: _____

Laboratory Comments: EW-5-021809, EW-6-021809, EW-7-021809, EW-Combured-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

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

Turnaround **: 7-Day 10-Day Other _____ RUSH *

Regulations: AT Target Indoor Air (Commercial)

Data Enhancement/RCP? Y N

Enhanced Data Package Y N

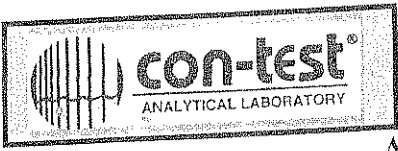
Required Detection Limits: AT Target Indoor Air Conc. (Commercial)

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=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



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

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: MACE DATE: 02/19/09
RECEIVED BY: [Signature]

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: _____



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

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	

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



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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

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NM = Not Measured

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

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



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KELLY CHATTERTON
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 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

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NM = Not Measured

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

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

Purchase Order No.: 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

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NM = Not Measured

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

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



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

KELLY CHATTERTON
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 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

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 WAKEFIELD, MA 01880

3/9/2009
 Page 7 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
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

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

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

Purchase Order No.: 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 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		
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

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NM = Not Measured

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

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



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

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

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

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



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

3/9/2009
Page 11 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-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

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

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

Purchase Order No.: 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

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NM = Not Measured

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

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

Purchase Order No.: 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

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

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



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
				EPA TO-15		
to-15 ppbv						
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
				EPA TO-15		
to-15 ug/m						
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

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

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

Purchase Order No.: 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
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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 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

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NM = Not Measured

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

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

Purchase Order No.: 200902837

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Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

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

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

3/9/2009
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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

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NM = Not Measured

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

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

Purchase Order No.: 200902837

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Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

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

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

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

Purchase Order No.: 200902837

3/9/2009
 Page 20 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-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

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ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

3/9/2009
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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

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

Purchase Order No.: 200902837

3/9/2009
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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 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
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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

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NM = Not Measured

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

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

Purchase Order No.: 200902837

3/9/2009
 Page 28 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-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

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

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

Purchase Order No.: 200902837

3/9/2009
 Page 29 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-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

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



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

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

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
				EPA TO-15		
to-15 ppbv						
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
				EPA TO-15		
to-15 ug/m						
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

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



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

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

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

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

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

3/9/2009
 Page 32 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		
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

Project Location: PROVIDENCE, RI

Date Received: 2/27/2009

Purchase Order No.: 200902837

3/9/2009

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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		
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



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 34 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
				EPA TO-15		
to-15 ppbv						
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
				EPA TO-15		
to-15 ug/m						
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

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



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

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

3/9/2009
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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

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NM = Not Measured

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

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

3/9/2009
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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

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NM = Not Measured

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

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

Purchase Order No.: 200902837

3/9/2009
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Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

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

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NM = Not Measured

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

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



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

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

3/9/2009
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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

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

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

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
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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

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

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

Purchase Order No.: 200902837

3/9/2009
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Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23622
 Job Number: 3650080114.11

Project Location: PROVIDENCE, RI
 Date Received: 2/27/2009

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		
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
to-15 ug/m				EPA TO-15		
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

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



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

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

3/9/2009
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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

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NM = Not Measured

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

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



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

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

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

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NM = Not Measured

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



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

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

3/9/2009
 Page 46 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 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

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NM = Not Measured

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

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

3/9/2009
 Page 47 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		
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

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NM = Not Measured

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

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



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

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

3/9/2009
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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

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

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

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
to-15 ppbv				EPA TO-15		
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
to-15 ug/m				EPA TO-15		
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

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



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

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

Purchase Order No.: 200902837

3/9/2009
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Project Location: PROVIDENCE, RI
Date Received: 2/27/2009

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

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		
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

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

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

Purchase Order No.: 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		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.091	0.63	N.D.	N.D.

Blank-130335	Reporting Limit		Sample Results	
	PPBv	ug/m3	PPBv	ug/m3
1,1,1,2-Tetrachloroethane	0.046	0.31	N.D.	N.D.

Lfblank-92505	True Value		Sample Results		Recovery %
	PPBv	ug/m3	PPBv	ug/m3	
1,1,1,2-Tetrachloroethane	1.8	13	2.2	15	119

Sample ID: * 09B06204
 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: * 09B06205
 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: * 09B06206
 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.

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

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

Purchase Order No.: 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.	-

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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

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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	



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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	

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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



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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	



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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	



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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	
	Vinyl Chloride	Lab Fort Blk. % Rec.	94.72	%	70-130
		Lab Fort Blank Amt.	12.78	ug/m3	
		Lab Fort Blk. Found	12.57	ug/m3	
	Methylene Chloride	Lab Fort Blk. % Rec.	98.40	%	70-130
		Lab Fort Blank Amt.	17.36	ug/m3	
		Lab Fort Blk. Found	18.18	ug/m3	
	Chlorobenzene	Lab Fort Blk. % Rec.	104.76	%	70-130
		Lab Fort Blank Amt.	23.02	ug/m3	
		Lab Fort Blk. Found	22.49	ug/m3	
	Chloromethane	Lab Fort Blk. % Rec.	97.69	%	70-130
		Lab Fort Blank Amt.	10.32	ug/m3	
		Lab Fort Blk. Found	10.05	ug/m3	
	Bromomethane	Lab Fort Blk. % Rec.	97.42	%	70-130
		Lab Fort Blank Amt.	19.40	ug/m3	
		Lab Fort Blk. Found	22.95	ug/m3	
	Chloroethane	Lab Fort Blk. % Rec.	118.30	%	70-130
		Lab Fort Blank Amt.	13.19	ug/m3	
		Lab Fort Blk. Found	13.66	ug/m3	
	cis-1,3-Dichloropropene	Lab Fort Blk. % Rec.	103.58	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	18.78	ug/m3	
	trans-1,3-Dichloropropene	Lab Fort Blk. % Rec.	82.76	%	70-130
		Lab Fort Blank Amt.	22.69	ug/m3	
		Lab Fort Blk. Found	19.93	ug/m3	
	Chlorodibromomethane	Lab Fort Blk. % Rec.	87.82	%	70-130
		Lab Fort Blank Amt.	42.59	ug/m3	
		Lab Fort Blk. Found	49.29	ug/m3	
	1,1,2-Trichloroethane	Lab Fort Blk. % Rec.	115.74	%	70-130
		Lab Fort Blank Amt.	27.28	ug/m3	
		Lab Fort Blk. Found	23.30	ug/m3	
	Bromoform	Lab Fort Blk. % Rec.	85.42	%	70-130
		Lab Fort Blank Amt.	51.69	ug/m3	
		Lab Fort Blk. Found	71.41	ug/m3	
	1,1,2,2-Tetrachloroethane	Lab Fort Blk. % Rec.	138.13	%	70-130
		Lab Fort Blank Amt.	34.33	ug/m3	
		Lab Fort Blk. Found	30.84	ug/m3	
	Hexachlorobutadiene	Lab Fort Blk. % Rec.	89.82	%	70-130
		Lab Fort Blank Amt.	53.33	ug/m3	
		Lab Fort Blk. Found	68.64	ug/m3	
		Lab Fort Blk. % Rec.	128.69	%	70-130



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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	



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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	



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Sample ID : LFBLANK-92505
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-16172
Sample ID : LFBLANK-92505
Analysis : 1,2-Dichloropropane

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-16172
Sample ID : LFBLANK-92505
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: 3/9/2009

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 #: _____
 Email: K.chatterton@mactel.com
 Format: EXCEL PDF GIS KEY OTHER
 EQUIS
 E2E DBS

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	Please fill out completely, sign, date and retain the yellow copy for your record.	
IA-1	022609	S	06203	2-26-09/1306	2-26-09/1336	30	0.2	6	IA	X	-25	1007	408c
IA-2	022609	S	06204	2-26-09/1308	2-26-09/1338	30	0.2	6	IA	X	-30	1210	4079
IA-3	022609	S	06205	2-26-09/1309	2-26-09/1339	30	0.2	6	IA	X	-30	1708	4089
IA-4	022609	S	06206	2-26-09/1310	2-26-09/1340	30	0.2	6	IA	X	-30	1170	4082
IA-5	022609	S	06207	2-26-09/1359	2-26-09/1429	30	0.2	6	IA	X	-25	1110	4069
IA-6	022609	S	06208	2-26-09/1350	2-26-09/1420	30	0.2	6	IA	X	-25	1641	4087
IA-7	022609	S	06209	2-26-09/1356	2-26-09/1426	30	0.2	6	IA	X	-30	1240	4084
AA-1	022609	S	06210	2-26-09/1312	2-26-09/1342	30	0.2	6	AMB		-30	1876	4090

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

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

*Matrix Code:
 SOIL GAS
 INDOOR AIR
 AMBIENT
 SUB SLAB
 DUP
 BLANK
 Other _____

**Media Codes:
 S=Summa can
 TB=Tedlar bag
 P=PUP
 T=tube
 F=filter
 C=cassette
 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



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

DATA DELIVERY (check one):
 FAX REMAIL WEBSITE CLIENT

Fax #: _____
 Email: Kjcharleston@mactel.com
 Format: EXCEL PDF GIS KEY OTHER EXCEL

ANALYSIS REQUESTED	"Hg"	Please fill out completely, sign, date and retain the yellow copy for your record.
Low Level Scan		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 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
EW-5-022609	S		09B	2-26-09/1548	2-26-09/1618	30	0.2	6	SG	X	4072
EW-6-022609	S		06211	2-26-09/1553	2-26-09/1623	30	0.2	6	SG	X	4070
EW-7-022609	S		06213	2-26-09/1559	2-26-09/1629	30	0.2	6	SG	X	4071
EW-Combined-022609	S		06214	2-26-09/1632	2-26-09/1702	30	0.2	6	SG	X	4094
EW-Post Carbon-022609	S		06215	2-26-09/1636	2-26-09/1706	30	0.2	6	SG	X	4083

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.

Retinquished 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: 02-28/1530

Received by: (signature) [Signature] Date/Time: 02-28/1530

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-level)
 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



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

PROJECT LOCATION: PROVIDENCE-RI

Table with 7 columns: FIELD SAMPLE #, LAB ID, MATRIX, SAMPLE DESCRIPTION, TEST, and Subcontract Lab (if any) Cert. Nos. The table lists 28 samples with their respective IDs, matrices (AIR), descriptions (Not Specified), and test results (to-15 ppbv or to-15 ug/m3).



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

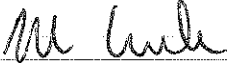
CONTRACT NUMBER:
PURCHASE ORDER NUMBER: 200903847

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

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
				EPA TO-15		
to-15 ppbv						
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
				EPA TO-15		
to-15 ug/m						
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



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 7 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 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
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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

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

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

Purchase Order No.: 200903847

3/17/2009
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Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

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		
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

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NM = Not Measured

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

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

Purchase Order No.: 200903847

3/17/2009
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Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

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 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

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

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

Purchase Order No.: 200903847

3/17/2009
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Project Number: 3650080114.11
 LIMS-BAT #: LIMIT-23811
 Job Number: 3650080114.11

Project Location: PROVIDENCE-RI
 Date Received: 3/9/2009

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

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NM = Not Measured

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

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

Purchase Order No.: 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

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NM = Not Measured

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

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



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

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

Purchase Order No.: 200903847

3/17/2009

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Project Number: 3650080114.11

Project Location: PROVIDENCE-RI

LIMS-BAT #: LIMIT-23811

Date Received: 3/9/2009

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

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NM = Not Measured

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

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

Purchase Order No.: 200903847

3/17/2009
 Page 16 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-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

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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

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

3/17/2009
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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-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

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

Purchase Order No.: 200903847

3/17/2009
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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 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

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

Purchase Order No.: 200903847

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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

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

Purchase Order No.: 200903847

3/17/2009
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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

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

3/17/2009
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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-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

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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 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 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

3/17/2009
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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-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

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NM = Not Measured

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

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

Purchase Order No.: 200903847

3/17/2009
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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		
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

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

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

Purchase Order No.: 200903847

3/17/2009

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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

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

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

Purchase Order No.: 200903847

3/17/2009
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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

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



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

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

3/17/2009
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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-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

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

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

Purchase Order No.: 200903847

3/17/2009
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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

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NM = Not Measured

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

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



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

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

3/17/2009
 Page 38 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
				EPA TO-15		
to-15 ppbv						
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
				EPA TO-15		
to-15 ug/m						
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

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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 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

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

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

3/17/2009
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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 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

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

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

3/17/2009
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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 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

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



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

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

Purchase Order No.: 200903847

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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

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



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

Purchase Order No.: 200903847

3/17/2009
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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		
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

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

Purchase Order No.: 200903847

3/17/2009
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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

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NM = Not Measured

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

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

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

Purchase Order No.: 200903847

3/17/2009
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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

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



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

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

Purchase Order No.: 200903847

Project Location: PROVIDENCE-RI
Date Received: 3/9/2009

3/17/2009
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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 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

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

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

Purchase Order No.: 200903847

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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.
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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

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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.

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

Purchase Order No.: 200903847

3/17/2009
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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

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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

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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

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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

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/17/2009

Lims Bat # : LIMIT-23811

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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

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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	
		Lab Fort Blk. % Rec.	109.94	%	70-130
	Trichloroethylene	Lab Fort Blank Amt.	26.87	ug/m3	
		Lab Fort Blk. Found	26.44	ug/m3	
		Lab Fort Blk. % Rec.	98.39	%	70-130
	1,1,2-Trichloro-1,2,2-Trifluoroethane	Lab Fort Blank Amt.	38.31	ug/m3	
		Lab Fort Blk. Found	32.85	ug/m3	
		Lab Fort Blk. % Rec.	85.73	%	70-130
	Trichlorofluoromethane	Lab Fort Blank Amt.	28.09	ug/m3	
		Lab Fort Blk. Found	35.36	ug/m3	
		Lab Fort Blk. % Rec.	125.88	%	70-130
	o-Xylene	Lab Fort Blank Amt.	21.71	ug/m3	
		Lab Fort Blk. Found	25.16	ug/m3	
		Lab Fort Blk. % Rec.	115.88	%	70-130
	m/p-Xylene	Lab Fort Blank Amt.	43.43	ug/m3	
		Lab Fort Blk. Found	49.73	ug/m3	
		Lab Fort Blk. % Rec.	114.50	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	37.21	ug/m3	
		Lab Fort Blk. % Rec.	123.80	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	30.06	ug/m3	
		Lab Fort Blk. Found	37.13	ug/m3	
		Lab Fort Blk. % Rec.	123.54	%	70-130
	1,1-Dichloroethane	Lab Fort Blank Amt.	20.24	ug/m3	
		Lab Fort Blk. Found	18.09	ug/m3	
		Lab Fort Blk. % Rec.	89.38	%	70-130
	1,1-Dichloroethylene	Lab Fort Blank Amt.	19.83	ug/m3	
		Lab Fort Blk. Found	18.06	ug/m3	
		Lab Fort Blk. % Rec.	91.08	%	70-130
	Ethanol	Lab Fort Blank Amt.	9.42	ug/m3	
		Lab Fort Blk. Found	9.09	ug/m3	
		Lab Fort Blk. % Rec.	96.49	%	50-150
	4-Ethyl Toluene	Lab Fort Blank Amt.	24.58	ug/m3	
		Lab Fort Blk. Found	29.09	ug/m3	
		Lab Fort Blk. % Rec.	118.36	%	50-150
	Methyl tert-Butyl Ether (MTBE)	Lab Fort Blank Amt.	18.02	ug/m3	
		Lab Fort Blk. Found	14.63	ug/m3	
		Lab Fort Blk. % Rec.	81.17	%	70-130
	t-1,2-Dichloroethylene	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

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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	



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QC SUMMARY REPORT

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Method Blanks

Report Date: 3/17/2009

Lims Bat # : LIMIT-23811

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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	



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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 3/17/2009

Lims Bat # : LIMIT-23811

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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



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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

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Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 3/17/2009

Lims Bat # : LIMIT-23811

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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



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com
 Telephone: (781) 245-6606
 Project # 3650080114.11
 Client PO #
 39 SPRUCE ST
 EAST LONGMEADOW, MA 01028
 Page 1 of 2

Company Name: MACTEC Engineering
 Address: 107 Addison Rd, Suite 301
Wakefield, MA 01880
 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

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	IA	X		
EW-2-030609		S	84	3.6.09 11.8	3.6.09 1148	30	0.2	6	IA	X		
EW-3-030609		S	85	3.6.09 11.5	3.6.09 1145	30	0.2	6	IA	X		

CLIENT COMMENTS:

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

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

Special Requirements
 Regulations: CR Target Indoor Air
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 Required Detection Limits: CR 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

** 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.

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 Auburn Rd, Suite 301
Wakefield, MA 01880

Attention: Kelly Chatterton

Project Location: Providence, RI (Gorham St)
 Sampled By: PSM

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

Telephone: (781) 245-6606
 Project # 365080114.11
 Client PO # _____

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: KChatterton@macTel.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*	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	1314	4081
EW-5-030609	S		87	3.6.09 09:57	3.6.09 10:27	30	0.2	6	S4	X	1658	4067
EW-6-030609	S		88	3.6.09 10:06	3.6.09 10:36	30	0.2	6	S4	X	1057	4085
EW-7-030609	S		89	3.6.09 10:10	3.6.09 10:40	30	0.2	6	S4	X	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

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

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: BG=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=PUP
 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 & WBEDE Certified



www.contestlabs.com

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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: _____

