



engineering and constructing a better tomorrow

November 5, 2007

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

RE: Indoor Air Investigation Results
Former Gorham Manufacturing Facility, Parcel A Retail Complex
333 Adelaide Avenue, Providence, Rhode Island
MACTEC Project No. 3650050041.12

Dear Mr. Martella:

This letter summarizes the Indoor Air Investigation activities conducted by MACTEC Engineering & Consulting, Inc. (MACTEC) at the Parcel A retail complex located at the Former Gorham Manufacturing Facility, 333 Adelaide Avenue, Providence, Rhode Island (the Site) on September 12, 2007.

BACKGROUND

Currently, two of the four spaces of the retail complex are occupied. A check-cashing service and a video rental store are open for business. The former Dollar Store and Stop & Shop retail spaces are unoccupied.

WORK ACTIVITIES CONDUCTED

Based on the results of the August 7, 2007 soil vapor investigation beneath and adjacent to the retail building and in coordination with the Rhode Island Department of Environmental Management (RIDEM), MACTEC conducted an indoor air investigation on September 12, 2007 in accordance with the MACTEC *Indoor Air Sampling Work Plan* (MACTEC, 2007) submitted to RIDEM on August 22, 2007 to characterize the indoor air quality of the retail complex at the Site. These activities included a building reconnaissance, restoration of previously removed concrete from the concrete slab inside Stop & Shop, and the collection of air samples at 14 locations at the Site.

INDOOR AIR PRE-SAMPLING INSPECTION

MACTEC personnel performed a pre-sampling inspection on September 7, 2007 to identify conditions that may affect or interfere with the indoor air sampling activities, including conduits for vapor between the subsurface and the building interior. In the Stop & Shop retail space, numerous floor drains (with grates and without grates), exposed electrical conduit, and exposed

water supply lines were present in the concrete floor. In addition, there was a sump in the concrete floor and vent pipes in the wall. These areas were screened with two photoionization detectors (PIDs): a ppb RAE (10.6 eV lamp) and a MiniRAE (11.7 eV lamp). There were no PID readings detected above background readings measured outside the retail complex. Based on MACTEC's observations and PID results, the utilities were not conduits of soil vapor from beneath the building. An Indoor Air Questionnaire and Building Inventory Form (Attachment A) was completed, and it identifies locations and results of the building interior PID screening.

There was one hole (approximately 1 square feet) in the concrete floor, which appeared to have been created by a jackhammer. This hole did access the soil beneath the building, and it was patched with grout by MACTEC personnel because this condition was not representative of normal operating conditions. Also, there was a ½ inch crack (approximately 10 ft long) that appeared to have been created by movement/storage of heavy ovens and/or freezers. It was not apparent if this crack accessed the soil beneath the building; however, the crack was sealed with grout.

Carpeting covered the concrete slab in the former Dollar Store, the existing Hollywood Video, and the check cashing retail space. Thus, no visual observation of the integrity of the floor was conducted in these retail spaces.

AIR SAMPLING AND ANALYSIS

On September 12, 2007, MACTEC collected fifteen (15) air samples (including one duplicate) at the Site using certified pre-cleaned Summa canisters. Each of the 6-liter Summa canisters was equipped with a pressure gauge and flow regulator that had been set for an 8-hour collection period. The air intakes of the Summa canisters were located at approximately 4 feet above the floor/ground. A trip blank (unused Summa canister) was also submitted to the laboratory for analysis.

Nine (9) air samples were collected from inside the retail building complex (Figure 1) including one inside the former Dollar Store (AIR-2), one inside Hollywood Video (AIR-1), one inside the check cashing store (AIR-3), and six (6) inside the former Stop & Shop space (AIR-4, AIR-5 and a duplicate, AIR-6, AIR-7, AIR-8, and AIR-13). Four (4) air samples were also collected outdoors along the perimeter of the building (AIR-9, AIR-10, AIR-11, and AIR-12), and one (1) sample was collected upwind (southwest) of the retail stores near Adelaide Avenue (AIR-14). The outdoor air samples were collected to provide perspective, since the outdoor air is the source of makeup air for the building's ventilation system. Ambient air was screened at each sample location prior to sample collection using a MiniRAE and a ppbRAE Photoionization Detectors (PIDs). Figure 1 shows the locations of the fourteen air sampling locations.

Air samples were collected in accordance with the MACTEC Indoor Air Sampling Work Plan (MACTEC, 2007) approved by RIDEM, and were submitted under chain of custody to Alpha Woods Hole Labs of Mansfield, Massachusetts for volatile organic compound (VOC) analysis by U.S. Environmental Protection Agency (US EPA) Method TO-15 SIM. The laboratory report including the analytical results and chains of custody is provided in Attachment B. The laboratory completed the analysis of all submitted samples as requested.

RESULTS, CONCLUSIONS, AND PROPOSED ACTIONS

The chemical concentrations detected in all of the air samples are well below the workplace air standards published by OSHA. Table 1 presents the analytical results for all samples in units of micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). Table 1 also presents the Connecticut Department of Environmental Protection Draft Industrial/ Commercial Target Air Concentrations (TACs) (CTDEP, 2003) and identifies detected concentrations that are above the corresponding TACs. Analyte concentrations above the corresponding CT TACs are shaded and bolded in Table 1. The air concentrations are compared to the Draft CT TACs because the State of Rhode Island Remediation Regulations do not contain indoor air criteria or screening values and RIDEM has required that indoor air data collected at the nearby Adelaide High School be evaluated by comparison to the Residential CT Draft TACs (consistent evaluation at the Site).

No volatiles were detected at concentrations greater than the TACs in the outdoor ambient air samples. Four indoor air exposure points were characterized by the sampling and analysis: the currently occupied Hollywood Video (AIR-1); the currently unoccupied former Dollar Store (AIR-2); the Check Cashing Store (AIR-3), and the currently unoccupied former Stop & Shop space (AIR-4, AIR-5 and a duplicate, AIR-6, AIR-7, AIR-8, and AIR-13). As can be seen in Table 1, all chemical concentrations in the air samples from the currently occupied Hollywood Video Store and Check Cashing Store were below the Draft CT TACs. In the former Dollar Store, concentrations of all chemicals except trichloroethylene were below the Draft CT TACs. The trichloroethylene concentration from that area ($2.97 \mu\text{g}/\text{m}^3$) was above the Draft TAC of $1 \mu\text{g}/\text{m}^3$.

In the former Stop & Shop retail space, concentrations of two compounds (tetrachloroethylene and trichloroethylene) were greater than the corresponding Draft Industrial/Commercial TAC in one or more indoor air samples. Tetrachloroethylene concentrations were greater than the TAC ($5 \mu\text{g}/\text{m}^3$) for indoor air at three locations AIR-5 ($6.24 \mu\text{g}/\text{m}^3$), AIR-8 ($5.20 \mu\text{g}/\text{m}^3$), and AIR-13 ($9.07 \mu\text{g}/\text{m}^3$). The average tetrachloroethylene concentration in this space was $5.40 \mu\text{g}/\text{m}^3$. Trichloroethylene concentrations were greater than the TAC ($1 \mu\text{g}/\text{m}^3$) for indoor air at six locations AIR-4 ($2.48 \mu\text{g}/\text{m}^3$), AIR-5 ($2.78 \mu\text{g}/\text{m}^3$), AIR-6 ($1.97 \mu\text{g}/\text{m}^3$), AIR-7 ($1.69 \mu\text{g}/\text{m}^3$), AIR-8 ($2.43 \mu\text{g}/\text{m}^3$), and AIR-13 ($3.37 \mu\text{g}/\text{m}^3$). The average trichloroethylene concentration in this space was $2.45 \mu\text{g}/\text{m}^3$. The average concentrations of trichloroethylene and tetrachloroethylene in the air samples from this space were above the average concentrations in the five outdoor air samples.

The sampling that was conducted on September 12, 2007 provides a snapshot of air quality in the retail complex and in outdoor air on the day of sampling. These results can be used in a screening evaluation to assess the need for further investigation or mitigation at this retail building.

- Based on the September 12, 2007 results, the inhalation health risks would meet the Remediation Regulations requirements for hypothetical store employees or members of the community that have shopped at the buildings for up to six years. The duration of six years was used in this analysis based on the building's maximum potential occupancy duration due to its date of construction. This evaluation is based on a full-time commercial/retail employee working for six years at the retail complex (all four exposure points); the non-cancer hazard index is below one (below a level of concern) and the estimated cancer risk is below one in one million (below a level of concern).

- The cancer risk conclusion is based on the cancer toxicity information for trichloroethylene that was most recently in use (but which has been withdrawn) by the USEPA Superfund program. This cancer toxicity information was used in developing the soil and groundwater standards in the Rhode Island Remediation Regulations and in the most recent (2006) soil and groundwater standards published in the Massachusetts Contingency Plan.
- The California EPA toxicity value is the preferred value, as recommended by USEPA (USEPA, 2003), when there is not an official, published, peer reviewed value available from USEPA. Using the cancer toxicity information for trichloroethylene published by the California EPA, the estimated cancer risk is also less than one in one million (below any level of concern).
- A proposed range of cancer toxicity values for trichloroethylene was released by USEPA for comment in 2001 and is still under review. The proposed range of values and their basis have been the focus of considerable debate among members of the scientific community since 2001. If the cancer toxicity value at the upper end of the range (most conservative) proposed in 2001 is used to estimate risks for a six-year worker scenario, the risk is within the acceptable risk range under Superfund.
- An assessment of human health risks based on this single set of data indicates that both cancer and non-cancer risks are below any levels of concern for shoppers who may visit the property for 2 hours per week for a period of six years.
- There is no indication that any immediate action is required to protect public health in the currently occupied portions of the retail complex.

Attachment C includes weather data for the date of the air sampling event.

Because concentrations of trichloroethylene and tetrachloroethylene in indoor air samples were above Draft CT TACs and because the indoor concentrations are higher than concentrations in outdoor samples, Textron proposes to collect pre-design information to support a mitigation system for the vapor intrusion pathway that would be designed to achieve the Draft CT TACs. In addition, an investigation will be conducted to assess the source of volatiles that have been detected in soil gas samples and indoor air samples. The scope of work for collection of pre-design data collection and an assessment of the source of volatiles is included below for review by RIDEM. Textron would like to proceed with this work in a timely manner.

SOURCE IDENTIFICATION

The source identification program will include conducting a soil gas investigation within the retail space at up to 15 locations. At each location, three discrete soil gas samples will be collected at different depths below the concrete slab. One soil gas sample will be collected immediately below the concrete slab; the second soil gas sample will be collected at approximately 8 ft bgs; and the third sample will be collected at 15 ft bgs. Soil gas samples will be collected with microwell screens or using the lost point method. Sampling with microwell screens includes driving a microwell with a one foot screen to the sampling depth. The lost point method involves driving a hollow steel probe fitted with a drive point to a selected depth below grade and then pulling the probe back 6 inches while the point is held in place creating a sampling cavity.

In both methods, the sampling system is purged and then sampled. Samples will be collected in sample vials and analyzed on-site by a subcontractor's mobile laboratory. The mobile laboratory consists of two gas chromatographs connected in series and fitted with an electron capture detector (ECD), a PID, and a flame ionization detector (FID) in accordance with modified EPA Method 8021B. Soil vapor samples will be analyzed on-site for trichloroethylene, tetrachloroethylene, cis-1,2-dichloroethylene, vinyl chloride, 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethylene, acetone, benzene, toluene, ethyl benzene, and xylene. All penetrations in the concrete slab will be resealed with grout.

Also, three shallow groundwater monitoring wells will be installed immediately downgradient of the retail space. These wells will be developed and sampled for VOCs by EPA Method 8260.

PRE-DESIGN DATA COLLECTION


Pre-design data collection at the retail space will include drilling a new centrally located hole in the building slab to provide a communication test to be used in an Active Soil Depressurization (ASD) system design. An industrial vacuum will be used to apply a negative pressure to the sub slab. Then, communication testing will occur at regular intervals (e.g., every 20 feet) proceeding away from the pilot testing location to determine the vacuum's influence on the subslab. A second test located in the building's western wing may be necessary. In addition, likely pipe routing scenarios will be identified. This will include potential lengths of pipe runs, pipe run locations, accessibility, and wall and roof penetrations for the ASD system. All penetrations in the concrete slab will be resealed with grout.


SOURCE IDENTIFICATION REPORT

A source identification report documenting the soil gas investigation program and analytical results will be prepared and submitted to RIDEM approximately 30 days following the soil gas investigation. The report will include an evaluation of the results and recommendations for further action, as warranted.

Please contact Michael Murphy at (781) 213-5600 or Greg Simpson of Textron at (401) 457-2635 with any questions.

Sincerely,
MACTEC Engineering and Consulting, Inc.


Michael Murphy
Senior Principal Scientist


David E. Heislein
Principal Engineer

Attachments: Table
Figures
Attachment A – Indoor Air Quality Questionnaire and Building Inventory
Attachment B – Laboratory Analytical Report
Attachment C – Meteorological Information for Sampling Date
Attachment D – References

Mr. Joseph Martella
November 5, 2007
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cc: T. Dellar, City of Providence
P. Grivers, EA Engineering, Science, and Technology
T. Regan, EA Engineering, Science, and Technology
G. Simpson, Textron, Inc.
Knight Memorial Library Repository
G. Wilson, Kimco Realty Corporation (including tenants)
J. Morgan, The Stop & Shop Supermarket Co. LLC
MACTEC Project File [P:\TEXTRON\GORHAM\Stop & Shop\Soil Vapor Report and Indoor Air WP\Indoor Air Results 102907.doc]

Table 1
Comparison of Analytical Results for Ambient Air to
CT Target Air Concentrations

Table 1
 Comparison of Analytical Results for Indoor Air in the Retail Buildings and Outdoor Air to CT Target Air Concentrations

Former Gorham Manufacturing Site
 333 Adelaide Avenue
 Providence, Rhode Island

CT TAC ^a	AIR-1		AIR-2		AIR-3		AIR-4		AIR-5		AIR-5 DUP		AIR-6		AIR-7		AIR-8	
	Industrial/ Commercial (µg/m ³)	9/12/2007 Indoor Air L0713396-01	9/12/2007 Indoor Air L0713396-02	9/12/2007 Indoor Air L0713396-03	9/12/2007 Indoor Air L0713396-04	9/12/2007 Indoor Air L0713396-05	9/12/2007 Indoor Air L0713396-06	9/12/2007 Indoor Air L0713396-07	9/12/2007 Indoor Air L0713396-08	9/12/2007 Indoor Air L0713396-09								
Methylene chloride	17	3.62	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47
Naphthalene	NA	0.313	< 0.262	4.5	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262
n-Butylbenzene	410	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74
o-Xylene	500	0.181	0.154	0.108	0.349	0.353	0.397	0.316	0.24	0.329	0.894	0.688	0.894	0.688	0.894	0.688	0.894	0.894
p/m-Xylene	500	0.548	0.468	0.306	0.998	0.954	1.08	0.859	0.688	0.894	0.688	0.894	0.688	0.894	0.688	0.894	0.688	0.894
p-Isopropyltoluene	370	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74
sec-Butylbenzene	410	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74
Styrene	290	0.25	0.188	0.217	0.158	0.242	0.27	0.17	< 0.203	0.19	< 0.203	0.19	< 0.203	0.19	< 0.203	0.19	< 0.203	0.19
Tetrachloroethene	5	0.332	0.495	0.196	4.76	6.24	5.58	3.87	3.23	5.2	3.87	3.23	5.2	3.87	3.23	5.2	3.87	3.23
Toluene	500	1.42	0.883	0.555	1.3	1.22	1.28	1.01	0.911	1.16	1.28	1.01	0.911	1.16	1.28	1.01	0.911	1.16
trans-1,2-Dichloroethene	200	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792
trans-1,3-Dichloropropene	NA	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907
Trichloroethene	1	0.52	2.97	0.545	2.48	2.78	2.56	1.97	1.69	2.43	2.56	1.97	1.69	2.43	2.56	1.97	1.69	2.43
Trichlorofluoromethane	500	1.24	1.59	1.11	1.24	1.34	1.39	1.13	1.15	1.31	1.39	1.13	1.15	1.31	1.39	1.13	1.15	1.31
Vinyl chloride	1.9	< 0.0511	< 0.0511	< 0.0511	0.174	0.226	0.202	0.146	0.133	0.191	0.202	0.146	0.133	0.191	0.202	0.146	0.133	0.191

[a] Connecticut Target Air Concentrations (TACs) for Industrial/Commercial Scenario from CTDEP, 2003. Shaded and bold results are greater than the CT TAC.

CTDEP, 2003. Proposed Revisions. Connecticut's Remediation Standard Regulations Volatilization Criteria. March.

Air samples analyzed by Alpha Woods Hole Labs, Mansfield, MA.

Table 1
 Comparison of Analytical Results for Indoor Air in the Retail Buildings and Outdoor Air to CT Target Air Concentrations

Former Gorham Manufacturing Site
 333 Adelaide Avenue
 Providence, Rhode Island

	CT TAC ^a Industrial/ Commercial (µg/m ³)	AIR-9		AIR-10		AIR-11		AIR-12		AIR-13		AIR-14		TRIP BLANK 9/12/2007 QC Sample L0713396-16
		9/12/2007 Outdoor Air L0713396-10	9/12/2007 Outdoor Air L0713396-11	9/12/2007 Outdoor Air L0713396-12	9/12/2007 Outdoor Air L0713396-13	9/12/2007 Indoor Air L0713396-14	9/12/2007 Outdoor Air L0713396-15							
Volatile Organics (µg/m³)														
1,1,1,2-Tetrachloroethane	1.1	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137
1,1,1-Trichloroethane	500	< 0.109	0.161	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	1.54	< 0.109	< 0.109	< 0.109	< 0.109
1,1,2,2-Tetrachloroethane	0.14	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137	< 0.137
1,1,2-Trichloroethane	12	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109	< 0.109
1,1-Dichloroethane	430	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	0.182	< 0.0809	< 0.0809	< 0.0809	< 0.0809
1,1-Dichloroethene	20	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	0.104	< 0.0792	< 0.0792	< 0.0792	< 0.0792
1,2,4-Trimethylbenzene	52	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	0.176	< 0.0982	< 0.0982	< 0.0982	< 0.0982
1,2-Dibromoethane	0.038	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154	< 0.154
1,2-Dichlorobenzene	410	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,2-Dichloroethane	0.31	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809	< 0.0809
1,2-Dichloropropane	0.42	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924	< 0.0924
1,3,5-Trimethylbenzene	52	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982	< 0.0982
1,3-Butadiene	NA	< 0.0442	< 0.0442	0.06	< 0.0442	0.06	< 0.0442	< 0.0442	< 0.0442	< 0.0442	< 0.0442	< 0.0442	< 0.0442	< 0.0442
1,3-Dichlorobenzene	410	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
1,4-Dichlorobenzene	24	< 0.12	< 0.12	0.144	< 0.12	0.144	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12	< 0.12
2-Butanone	500	< 1.47	< 1.47	3.44	< 1.47	3.44	< 1.47	3.03	3.03	2.12	< 1.47	< 1.47	< 1.47	< 1.47
4-Methyl-2-pentanone	200	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05	< 2.05
Acetone	500	4.8	5.59	< 4.75	5.59	< 4.75	5.94	5.94	5.94	7.48	7.49	7.49	7.49	< 4.75
Acrylonitrile	NA	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08	< 1.08
Benzene	3.3	0.286	0.275	0.23	0.23	0.23	0.23	0.23	0.23	0.46	0.257	0.257	0.257	< 0.223
Bromodichloromethane	0.46	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134	< 0.134
Bromoform	7.3	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206	< 0.206
Bromomethane	NA	< 0.0776	< 0.0776	< 0.0776	< 0.0776	< 0.0776	< 0.0776	< 0.0776	< 0.0776	0.092	< 0.0776	< 0.0776	< 0.0776	< 0.0776
Carbon tetrachloride	0.54	0.508	0.482	0.438	0.438	0.438	0.425	0.425	0.425	0.412	0.392	0.392	0.392	< 0.126
Chlorobenzene	200	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092	< 0.092
Chloroethane	500	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527	< 0.0527
Chloroform	0.5	< 0.0976	< 0.0976	< 0.0976	< 0.0976	< 0.0976	< 0.0976	< 0.0976	< 0.0976	0.335	< 0.0976	< 0.0976	< 0.0976	< 0.0976
Chloromethane	80	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44	< 2.44
cis-1,2-Dichloroethene	100	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	2.35	< 0.0792	< 0.0792	< 0.0792	< 0.0792
cis-1,3-Dichloropropene	NA	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907
Dibromochloromethane	NA	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096	< 0.096
Dichlorodifluoromethane	500	2.28	2.14	1.94	1.94	1.94	1.9	1.9	1.9	1.92	1.81	1.81	1.81	< 0.247
Ethylbenzene	290	0.096	0.099	0.102	0.099	0.102	0.093	0.093	0.093	0.18	0.106	0.106	0.106	< 0.0868
Freon-113	NA	0.836	0.502	0.455	0.502	0.455	0.48	0.48	0.48	0.478	0.465	0.465	0.465	< 0.383
Freon-114	NA	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349	< 0.349
Isopropylbenzene	120	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46	< 2.46
Methyl tert butyl ether	190	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072	< 0.072

Table 1
 Comparison of Analytical Results for Indoor Air in the Retail Buildings and Outdoor Air to CT Target Air Concentrations

Former Gorham Manufacturing Site
 333 Adelaide Avenue
 Providence, Rhode Island

	CT TAC ^a	AIR-9		AIR-10		AIR-11		AIR-12		AIR-13		AIR-14		TRIP BLANK
		9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	
	Commercial	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Indoor Air	Indoor Air	Outdoor Air	Indoor Air	Indoor Air	Outdoor Air	QC Sample	
	(µg/m ³)	L0713396-10	L0713396-11	L0713396-12	L0713396-13	L0713396-14	L0713396-14	L0713396-15	L0713396-16	L0713396-16	L0713396-16	L0713396-16	L0713396-16	
Methylene chloride	17	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47	< 3.47
Naphthalene	NA	< 0.262	< 0.262	1.92	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262	< 0.262
n-Butylbenzene	410	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74
o-Xylene	500	< 0.0868	< 0.0868	< 0.0868	< 0.0868	< 0.0868	0.229	< 0.0868	< 0.0868	0.229	< 0.0868	< 0.0868	< 0.0868	< 0.0868
p/m-Xylene	500	0.212	0.24	0.226	0.222	0.616	0.616	0.256	0.256	0.616	0.256	0.256	< 0.174	< 0.174
p-Isopropyltoluene	370	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74
sec-Butylbenzene	410	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74	< 2.74
Styrene	290	< 0.0851	< 0.0851	0.146	< 0.0851	0.448	0.448	< 0.0851	< 0.0851	0.448	< 0.0851	< 0.0851	< 0.0851	< 0.0851
Tetrachloroethene	5	0.184	0.154	0.242	< 0.136	9.07	9.07	< 0.136	< 0.136	9.07	< 0.136	< 0.136	< 0.136	< 0.136
Toluene	500	0.451	0.438	0.379	0.382	1.18	1.18	0.591	0.591	1.18	0.591	0.591	< 0.0753	< 0.0753
trans-1,2-Dichloroethene	200	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792	< 0.0792
trans-1,3-Dichloropropene	NA	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907	< 0.0907
Trichloroethene	1	0.124	0.178	0.128	0.124	3.37	3.37	< 0.107	< 0.107	3.37	< 0.107	< 0.107	< 0.107	< 0.107
Trichlorofluoromethane	500	1.25	1.18	1.04	1.01	1.11	1.11	1	1	1.11	1	1	< 0.281	< 0.281
Vinyl chloride	1.9	< 0.0511	< 0.0511	< 0.0511	< 0.0511	0.352	0.352	< 0.0511	< 0.0511	0.352	< 0.0511	< 0.0511	< 0.0511	< 0.0511

[a] Connecticut Target Air Concentrations (TACs) for Industrial/Commercial Scenario from CTDEP, 2003. Shaded and bold results are greater than the CT TAC.

CTDEP, 2003. Proposed Revisions. Connecticut's Remediation Standard Regulations Volatilization Criteria. March.

Air samples analyzed by Alpha Woods Hole Labs, Mansfield, MA.

Figure 1
Air Sampling Locations

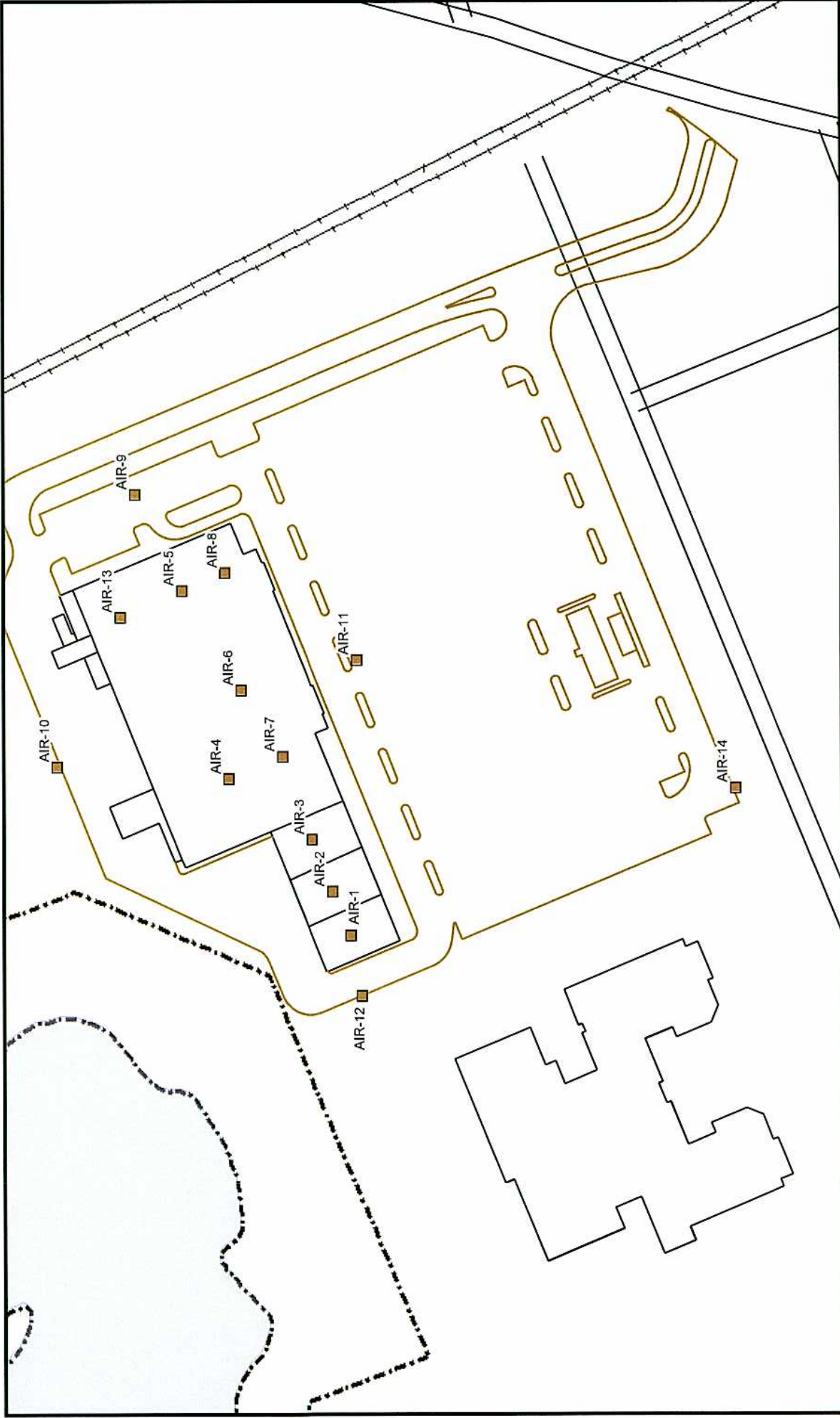


Figure 1
 Air Sampling Locations
 Retail Complex
 Former Gorham Site
 333 Adelaide Avenue
 Providence, Rhode Island

Legend
 ■ Air Sample Location □ Building
 — Pavement Outline

N
 0 70 140 Feet
 Prepared by BJR | Checked by P.JM



Attachment A
Indoor Air Quality Questionnaire and Building Inventory

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Phil Muller Date/Time Prepared 9-7-07/1100

Preparer's Affiliation MACTEC Phone No. 603 315 4402

Purpose of Investigation Indoor Air Sampling prep.

1. OCCUPANT: Building is unoccupied

Interviewed: Y/N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y/N

Last Name: Kimco Realty First Name: _____

Address: Burlington, MA

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential
Industrial

School
Church

Commercial/Multi-use
Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other: _____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) Supermarket (former)

Does it include residences (i.e., multi-use)? Y/N If yes, how many? _____

Other characteristics:

Number of floors 2

Building age 5 yrs.

Is the building insulated? Y/N

How air tight? Tight / Average / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Significant

Airflow near source

Outdoor air infiltration

Significant (HVAC system)

Infiltration into air ducts

Significant

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

- a. Above grade construction: wood frame concrete stone brick steel frame
- b. Basement type: full crawlspace slab other (no basement)
- c. Basement floor: concrete dirt stone other _____
- d. Basement floor: uncovered covered covered with _____
- e. Concrete floor: unsealed sealed sealed with _____
- f. Foundation walls: poured block stone other _____
- g. Foundation walls: unsealed sealed sealed with _____
- h. The basement is: wet damp dry moldy
- i. The basement is: finished unfinished partially finished
- j. Sump present? Y N
- k. Water in sump? Y / N not applicable

~~Basement~~/Lowest level depth below grade: _____ (feet) @ Sump

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

utility penetrations incl. floor drains, plumbing, water

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

- Hot air circulation
Space Heaters
Electric baseboard
- Heat pump
Stream radiation
Wood stove
- Hot water baseboard
Radiant floor
Outdoor wood boiler
- Other _____

The primary type of fuel used is:

- Natural Gas
Electric
Wood
- Fuel Oil
Propane
Coal
- Kerosene
Solar

Domestic hot water tank fueled by: gas

- Boiler/furnace located in: Basement Outdoors Main Floor Other _____
- Air conditioning: Central Air Window units Open Windows None

Are there air distribution ducts present? Y N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom Almost Never

Level General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)

~~Basement~~

1st Floor vacant supermarket

2nd Floor vacant offices

3rd Floor _____

4th Floor _____

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

- a. Is there an attached garage? Y / N
- b. Does the garage have a separate heating unit? Y / N / NA
- c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / NA
Please specify _____
- d. Has the building ever had a fire? Y / N When? _____
- e. Is a kerosene or unvented gas space heater present? Y / N Where? _____
- f. Is there a workshop or hobby/craft area? Y / N Where & Type? _____
- g. Is there smoking in the building? Y / N How frequently? pm _____
- h. Have cleaning products been used recently? Y / N When & Type? _____
- i. Have cosmetic products been used recently? Y / N When & Type? _____

- j. Has painting/staining been done in the last 6 months? Y N _____ Where & When? _____
 - k. Is there new carpet, drapes or other textiles? Y / N _____ Where & When? _____
 - l. Have air fresheners been used recently? Y / N _____ When & Type? _____
 - m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____
 - n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____
 - o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N
 - p. Has there been a pesticide application? Y / N _____ When & Type? _____
- Are there odors in the building? Y N _____
 If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N _____
 (e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

- Yes, use dry-cleaning regularly (weekly) No
- Yes, use dry-cleaning infrequently (monthly or less) Unknown
- Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N _____ Date of Installation: _____
 Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: Public Water Drilled Well Driven Well Dug Well Other: _____
 Sewage Disposal: Public Sewer Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) N/A

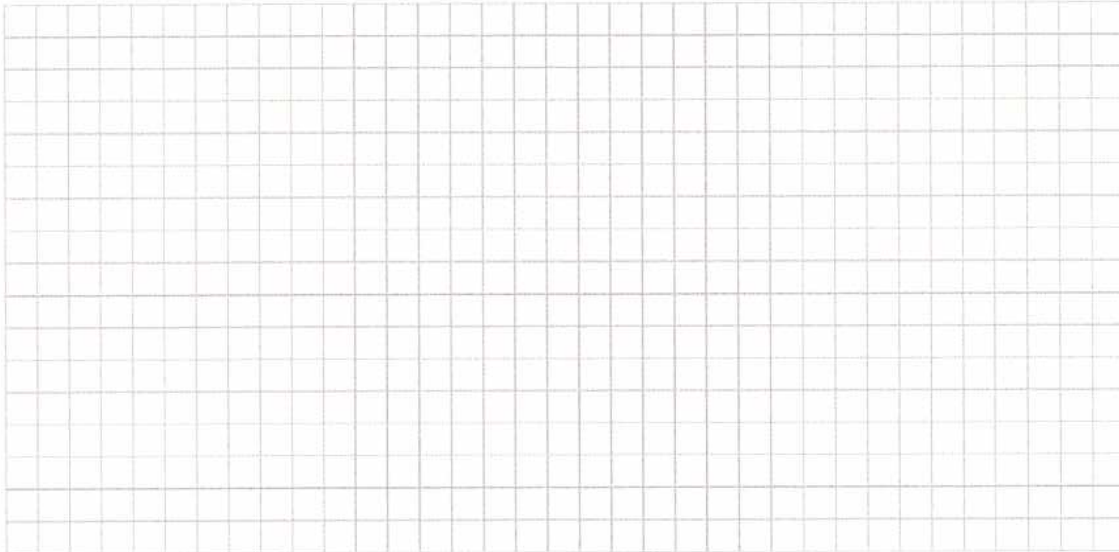
- a. Provide reasons why relocation is recommended: _____
- b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel
- c. Responsibility for costs associated with reimbursement explained? Y / N
- d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

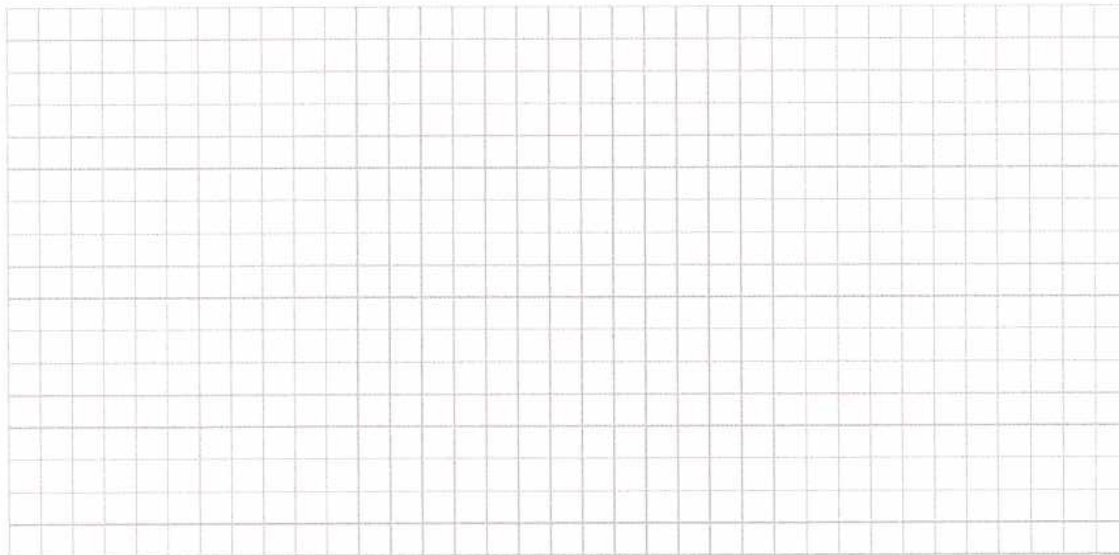
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

See attached and construction drawings

Basement:



First Floor:

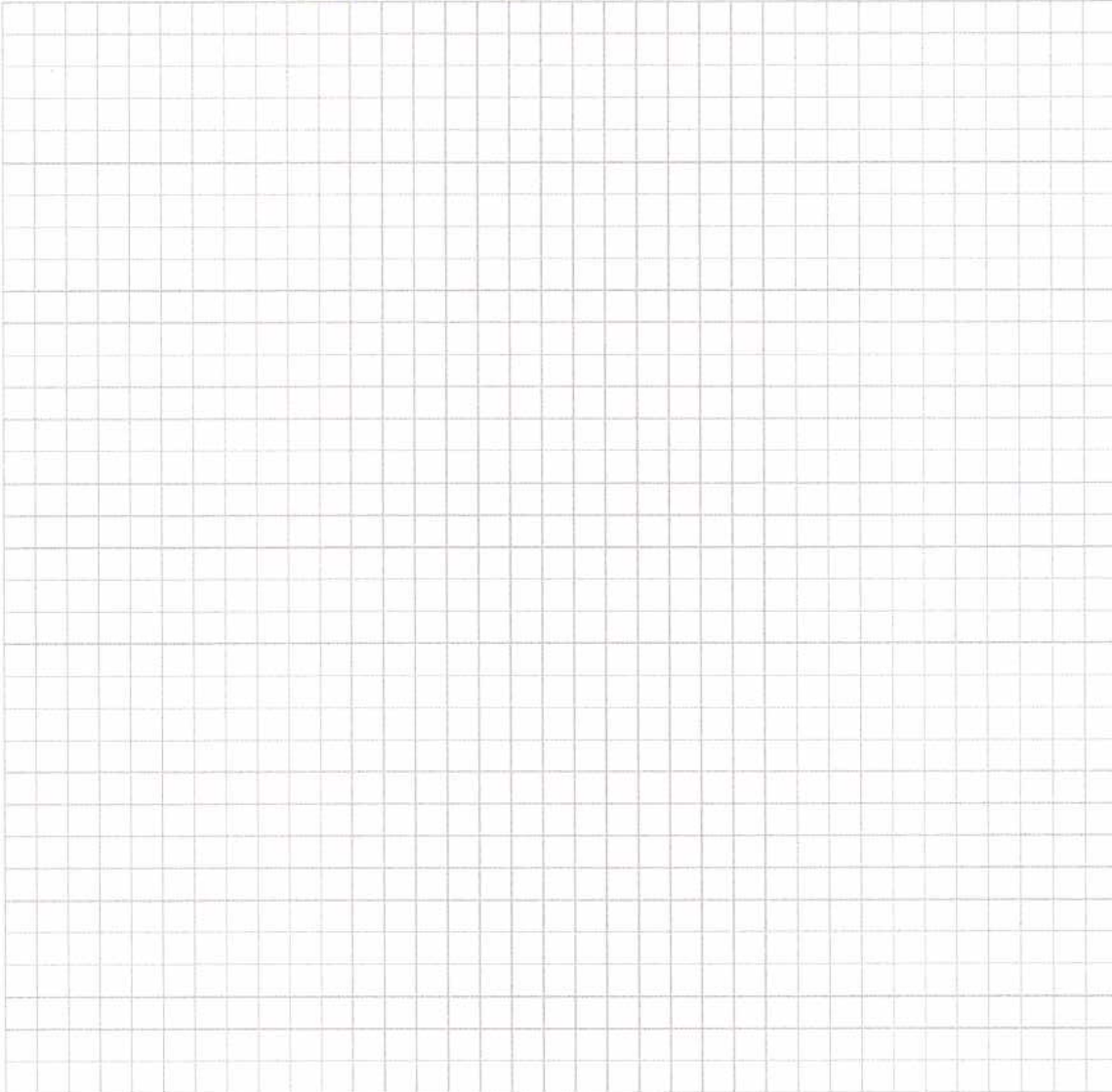


12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

See attached



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: Mini RAE and ppb RAE

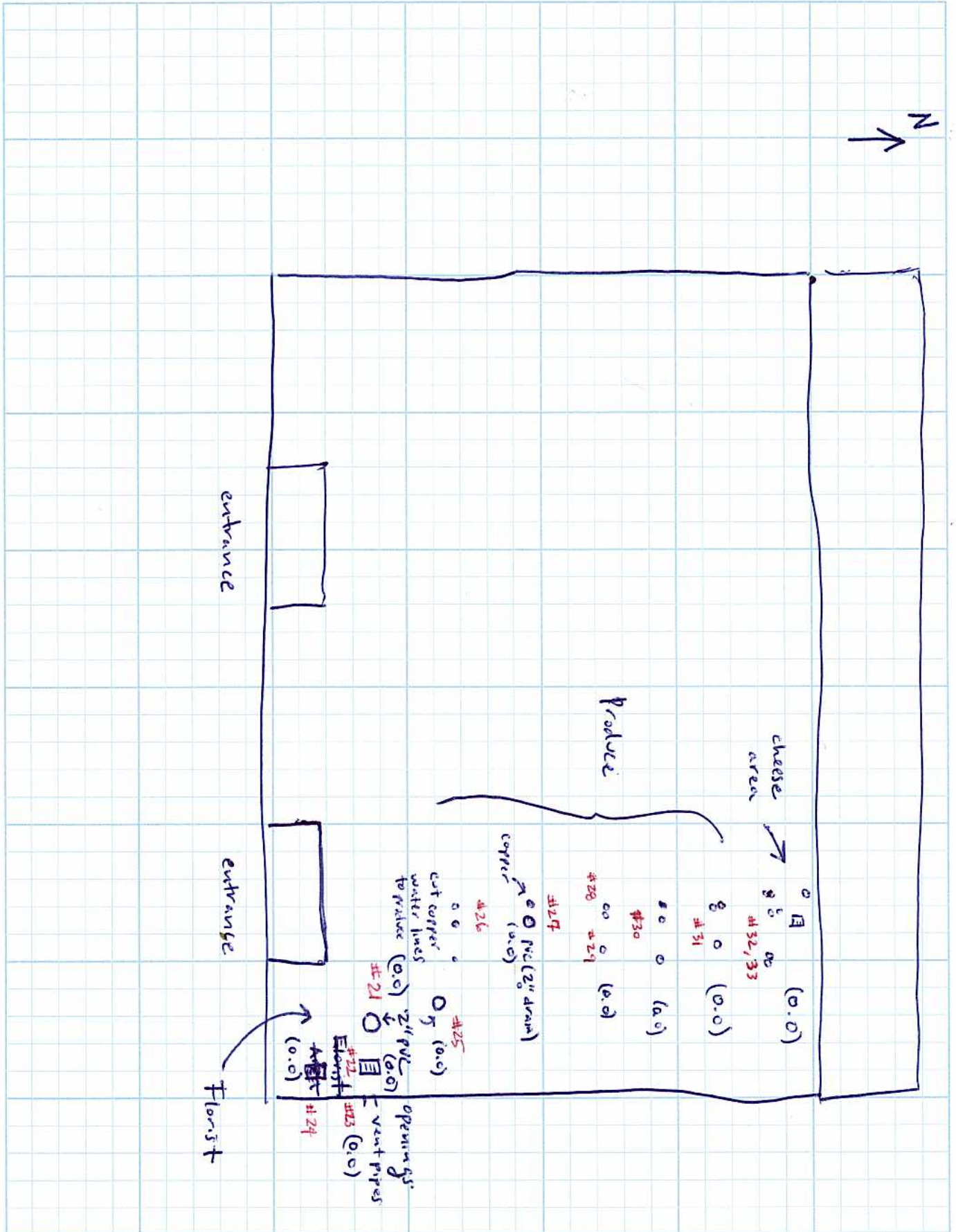
List specific products found in the residence that have the potential to affect indoor air quality.

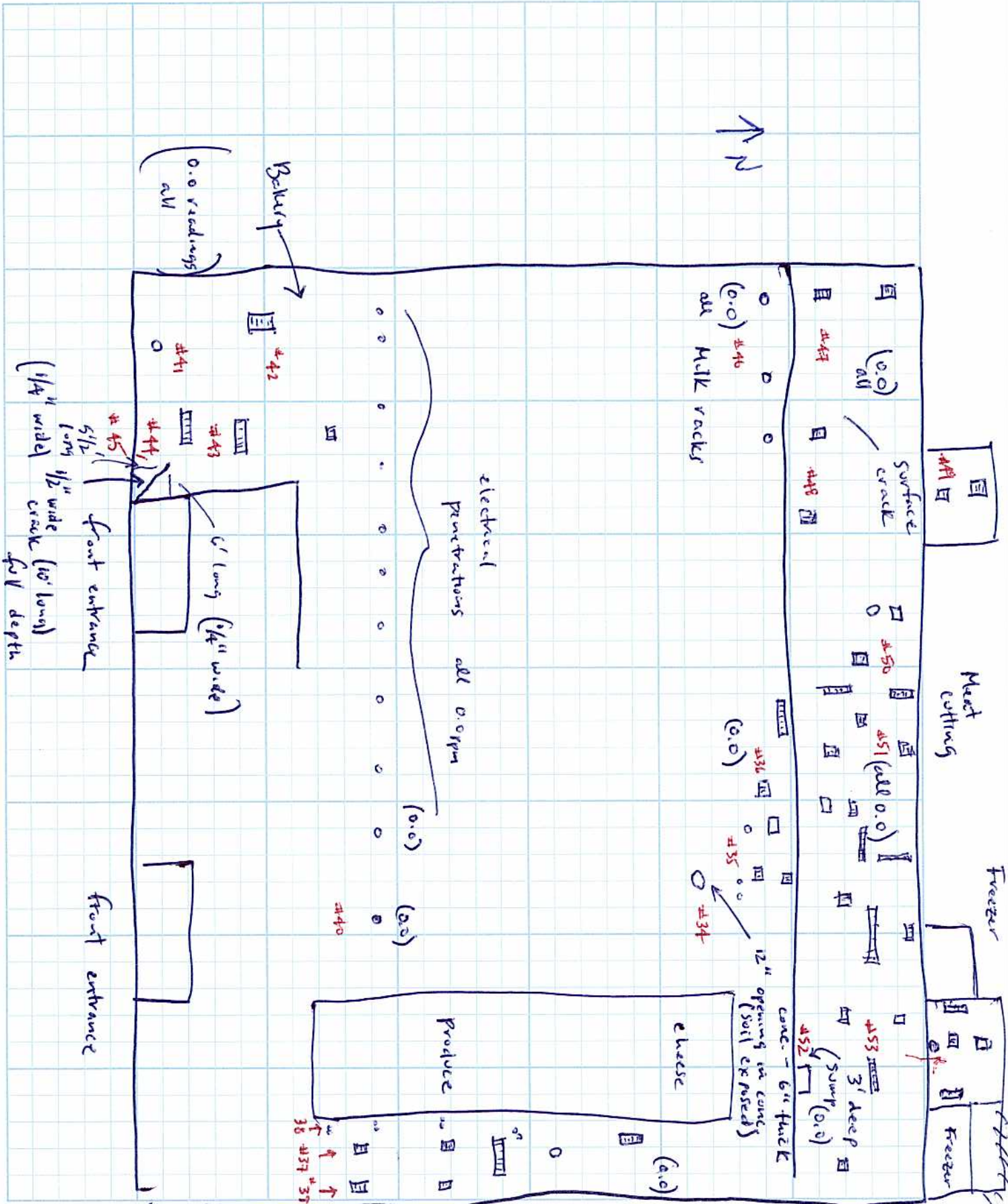
Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
	None					

* Describe the condition of the product containers as Unopened (UO), Used (U), or Deteriorated (D)
 ** Photographs of the front and back of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

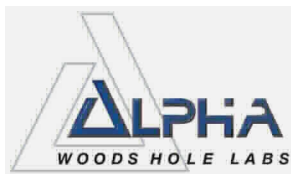


PROJECT Grarham
SUBJECT Stop + Shop Inventory / PID Readings





Attachment B
Laboratory Report
Analytical Results



ANALYTICAL REPORT

Lab Number:	L0713396
Client:	MACTEC Engineering & Consulting Services 107 Audubon Road Building II, Suite 301
ATTN:	Wakefield, MA 01880 Dave Heislein
Project Name:	GORHAM
Project Number:	3650050041.12
Report Date:	09/28/07

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Alpha Sample ID	Client ID	Sample Location
L0713396-01	AIR-1	PROVIDENCE, RI
L0713396-02	AIR-2	PROVIDENCE, RI
L0713396-03	AIR-3	PROVIDENCE, RI
L0713396-04	AIR-4	PROVIDENCE, RI
L0713396-05	AIR-5	PROVIDENCE, RI
L0713396-06	AIR-5 DUP	PROVIDENCE, RI
L0713396-07	AIR-6	PROVIDENCE, RI
L0713396-08	AIR-7	PROVIDENCE, RI
L0713396-09	AIR-8	PROVIDENCE, RI
L0713396-10	AIR-9	PROVIDENCE, RI
L0713396-11	AIR-10	PROVIDENCE, RI
L0713396-12	AIR-11	PROVIDENCE, RI
L0713396-13	AIR-12	PROVIDENCE, RI
L0713396-14	AIR-13	PROVIDENCE, RI
L0713396-15	AIR-14	PROVIDENCE, RI
L0713396-16	TRIP BLANK	PROVIDENCE, RI

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Case Narrative

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

TO15-SIM

L0713396-08 was analyzed on dilution because the sample was received with low pressure. The canister was pressurized in order to facilitate the transfer of sample to the Gas Chromatograph for analysis. The pressurization resulted in a dilution of the sample, and the reporting limits have been adjusted accordingly. Toluene is present in the WG295147-3 method blank, however, associated samples L0713396-01 through -15 have results that are greater than 5x the amount detected in the blank. Associated sample L0713396-16 is non-detect for Toluene. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 09/28/07

AIR

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-01
 Client ID: AIR-1
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 16:33
 Analyst: RY

Date Collected: 09/12/07 14:05
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.288	0.020	1.57	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.021	0.020	0.086	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.041	0.020	0.201	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	0.021	0.020	0.095	0.092		1
1,3,5-Trimethylbenzene	0.023	0.020	0.112	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.099	0.070	0.314	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.067	0.020	0.419	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-01
 Client ID: AIR-1
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 14:05
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.375	0.050	1.85	0.247		1
Ethylbenzene	0.052	0.020	0.224	0.087		1
Freon-113	0.061	0.050	0.469	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	1.04	1.00	3.62	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	0.060	0.050	0.313	0.262		1
p/m-Xylene	0.126	0.040	0.548	0.174		1
o-Xylene	0.042	0.020	0.181	0.087		1
Styrene	0.059	0.020	0.250	0.085		1
Tetrachloroethene	0.049	0.020	0.332	0.136		1
Toluene	0.376	0.020	1.42	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.097	0.020	0.520	0.107		1
Trichlorofluoromethane	0.222	0.050	1.24	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	4.41	2.00	10.5	4.75		1
2-Butanone	0.768	0.500	2.26	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-02
 Client ID: AIR-2
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 17:11
 Analyst: RY

Date Collected: 09/12/07 17:53
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	2.11	0.020	11.5	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.157	0.020	0.634	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	0.029	0.020	0.141	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.022	0.020	0.133	0.120		1
Benzene	0.088	0.070	0.280	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.064	0.020	0.404	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-02
 Client ID: AIR-2
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:53
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.387	0.050	1.91	0.247		1
Ethylbenzene	0.041	0.020	0.176	0.087		1
Freon-113	0.062	0.050	0.473	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.108	0.040	0.468	0.174		1
o-Xylene	0.035	0.020	0.154	0.087		1
Styrene	0.044	0.020	0.188	0.085		1
Tetrachloroethene	0.073	0.020	0.495	0.136		1
Toluene	0.234	0.020	0.883	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.553	0.020	2.97	0.107		1
Trichlorofluoromethane	0.284	0.050	1.59	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.66	2.00	8.69	4.75		1
2-Butanone	0.694	0.500	2.05	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-03
 Client ID: AIR-3
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 17:49
 Analyst: RY

Date Collected: 09/12/07 16:21
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.348	0.020	1.90	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.028	0.020	0.111	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.037	0.020	0.180	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.073	0.070	0.234	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.063	0.020	0.394	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-03
 Client ID: AIR-3
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 16:21
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.375	0.050	1.85	0.247		1
Ethylbenzene	0.028	0.020	0.122	0.087		1
Freon-113	0.058	0.050	0.443	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	0.860	0.050	4.50	0.262		1
p/m-Xylene	0.071	0.040	0.306	0.174		1
o-Xylene	0.025	0.020	0.108	0.087		1
Styrene	0.051	0.020	0.217	0.085		1
Tetrachloroethene	0.029	0.020	0.196	0.136		1
Toluene	0.147	0.020	0.555	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.102	0.020	0.545	0.107		1
Trichlorofluoromethane	0.198	0.050	1.11	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	4.68	2.00	11.1	4.75		1
2-Butanone	0.868	0.500	2.56	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-04
 Client ID: AIR-4
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 18:27
 Analyst: RY

Date Collected: 09/12/07 13:42
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.431	0.020	2.35	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.079	0.020	0.321	0.081		1
1,1-Dichloroethene	0.025	0.020	0.098	0.079		1
1,2,4-Trimethylbenzene	0.048	0.020	0.236	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.021	0.020	0.103	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.208	0.070	0.663	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.066	0.020	0.414	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.033	0.020	0.163	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	0.305	0.020	1.21	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-04
 Client ID: AIR-4
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 13:42
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.401	0.050	1.98	0.247		1
Ethylbenzene	0.064	0.020	0.278	0.087		1
Freon-113	0.067	0.050	0.513	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.230	0.040	0.998	0.174		1
o-Xylene	0.080	0.020	0.349	0.087		1
Styrene	0.037	0.020	0.158	0.085		1
Tetrachloroethene	0.702	0.020	4.76	0.136		1
Toluene	0.346	0.020	1.30	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.462	0.020	2.48	0.107		1
Trichlorofluoromethane	0.222	0.050	1.24	0.281		1
Vinyl chloride	0.068	0.020	0.174	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.74	2.00	8.88	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-05
 Client ID: AIR-5
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 19:06
 Analyst: RY

Date Collected: 09/12/07 17:56
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.400	0.020	2.18	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.057	0.020	0.231	0.081		1
1,1-Dichloroethene	0.025	0.020	0.097	0.079		1
1,2,4-Trimethylbenzene	0.048	0.020	0.233	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.022	0.020	0.110	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.226	0.070	0.721	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	0.025	0.020	0.095	0.078		1
Carbon tetrachloride	0.083	0.020	0.522	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.046	0.020	0.222	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	0.372	0.020	1.47	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-05
 Client ID: AIR-5
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:56
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.469	0.050	2.32	0.247		1
Ethylbenzene	0.058	0.020	0.250	0.087		1
Freon-113	0.073	0.050	0.558	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.220	0.040	0.954	0.174		1
o-Xylene	0.081	0.020	0.353	0.087		1
Styrene	0.057	0.020	0.242	0.085		1
Tetrachloroethene	0.921	0.020	6.24	0.136		1
Toluene	0.324	0.020	1.22	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.518	0.020	2.78	0.107		1
Trichlorofluoromethane	0.238	0.050	1.34	0.281		1
Vinyl chloride	0.089	0.020	0.226	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.48	2.00	8.26	4.75		1
2-Butanone	0.686	0.500	2.02	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-06
 Client ID: AIR-5 DUP
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 19:44
 Analyst: RY

Date Collected: 09/12/07 17:56
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.387	0.020	2.11	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.058	0.020	0.233	0.081		1
1,1-Dichloroethene	0.023	0.020	0.091	0.079		1
1,2,4-Trimethylbenzene	0.054	0.020	0.265	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	0.024	0.020	0.115	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.229	0.070	0.731	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	0.022	0.020	0.086	0.078		1
Carbon tetrachloride	0.083	0.020	0.522	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.046	0.020	0.225	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	0.348	0.020	1.38	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-06
 Client ID: AIR-5 DUP
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:56
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.481	0.050	2.38	0.247		1
Ethylbenzene	0.066	0.020	0.288	0.087		1
Freon-113	0.082	0.050	0.625	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.250	0.040	1.08	0.174		1
o-Xylene	0.092	0.020	0.397	0.087		1
Styrene	0.064	0.020	0.270	0.085		1
Tetrachloroethene	0.823	0.020	5.58	0.136		1
Toluene	0.339	0.020	1.28	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.477	0.020	2.56	0.107		1
Trichlorofluoromethane	0.247	0.050	1.39	0.281		1
Vinyl chloride	0.079	0.020	0.202	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.59	2.00	8.52	4.75		1
2-Butanone	0.823	0.500	2.42	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-07
 Client ID: AIR-6
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 20:22
 Analyst: RY

Date Collected: 09/12/07 17:19
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.309	0.020	1.68	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.055	0.020	0.224	0.081		1
1,1-Dichloroethene	0.020	0.020	0.080	0.079		1
1,2,4-Trimethylbenzene	0.043	0.020	0.212	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.195	0.070	0.621	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.064	0.020	0.402	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.036	0.020	0.173	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	0.255	0.020	1.01	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-07
 Client ID: AIR-6
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:19
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.394	0.050	1.95	0.247		1
Ethylbenzene	0.051	0.020	0.223	0.087		1
Freon-113	0.061	0.050	0.466	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.198	0.040	0.859	0.174		1
o-Xylene	0.073	0.020	0.316	0.087		1
Styrene	0.040	0.020	0.170	0.085		1
Tetrachloroethene	0.571	0.020	3.87	0.136		1
Toluene	0.269	0.020	1.01	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.367	0.020	1.97	0.107		1
Trichlorofluoromethane	0.201	0.050	1.13	0.281		1
Vinyl chloride	0.057	0.020	0.146	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.53	2.00	8.39	4.75		1
2-Butanone	0.838	0.500	2.47	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-08
 Client ID: AIR-7
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 21:01
 Analyst: RY

Date Collected: 09/12/07 17:53
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.332	0.048	1.81	0.260		2.387
1,1,1,2-Tetrachloroethane	ND	0.048	ND	0.327		2.387
1,1,1,2,2-Tetrachloroethane	ND	0.048	ND	0.327		2.387
1,1,2-Trichloroethane	ND	0.048	ND	0.260		2.387
1,1-Dichloroethane	0.054	0.048	0.218	0.193		2.387
1,1-Dichloroethene	ND	0.048	ND	0.189		2.387
1,2,4-Trimethylbenzene	ND	0.048	ND	0.234		2.387
1,2-Dibromoethane	ND	0.048	ND	0.366		2.387
1,2-Dichlorobenzene	ND	0.048	ND	0.287		2.387
1,2-Dichloroethane	ND	0.048	ND	0.193		2.387
1,2-Dichloropropane	ND	0.048	ND	0.220		2.387
1,3,5-Trimethylbenzene	ND	0.048	ND	0.234		2.387
1,3-Butadiene	ND	0.048	ND	0.106		2.387
1,3-Dichlorobenzene	ND	0.048	ND	0.287		2.387
1,4-Dichlorobenzene	ND	0.048	ND	0.287		2.387
Benzene	0.234	0.167	0.746	0.533		2.387
Bromodichloromethane	ND	0.048	ND	0.320		2.387
Bromoform	ND	0.048	ND	0.493		2.387
Bromomethane	ND	0.048	ND	0.185		2.387
Carbon tetrachloride	0.065	0.048	0.408	0.300		2.387
Chlorobenzene	ND	0.048	ND	0.220		2.387
Chloroethane	ND	0.048	ND	0.126		2.387
Chloroform	ND	0.048	ND	0.233		2.387
Chloromethane	ND	1.19	ND	5.82		2.387
cis-1,2-Dichloroethene	0.198	0.048	0.787	0.189		2.387



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-08
 Client ID: AIR-7
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:53
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.048	ND	0.216		2.387
Dibromochloromethane	ND	0.048	ND	0.229		2.387
Dichlorodifluoromethane	0.396	0.119	1.95	0.590		2.387
Ethylbenzene	ND	0.048	ND	0.207		2.387
Freon-113	ND	0.119	ND	0.914		2.387
Freon-114	ND	0.119	ND	0.834		2.387
Methylene chloride	ND	2.39	ND	8.30		2.387
Methyl tert butyl ether	ND	0.048	ND	0.172		2.387
Naphthalene	ND	0.119	ND	0.625		2.387
p/m-Xylene	0.158	0.096	0.688	0.414		2.387
o-Xylene	0.055	0.048	0.240	0.207		2.387
Styrene	ND	0.048	ND	0.203		2.387
Tetrachloroethene	0.477	0.048	3.23	0.324		2.387
Toluene	0.242	0.048	0.911	0.180		2.387
trans-1,2-Dichloroethene	ND	0.048	ND	0.189		2.387
trans-1,3-Dichloropropene	ND	0.048	ND	0.216		2.387
Trichloroethene	0.314	0.048	1.69	0.256		2.387
Trichlorofluoromethane	0.206	0.119	1.15	0.670		2.387
Vinyl chloride	0.052	0.048	0.133	0.122		2.387
Acrylonitrile	ND	1.19	ND	2.59		2.387
n-Butylbenzene	ND	1.19	ND	6.55		2.387
sec-Butylbenzene	ND	1.19	ND	6.55		2.387
Isopropylbenzene	ND	1.19	ND	5.86		2.387
p-Isopropyltoluene	ND	1.19	ND	6.55		2.387
Acetone	ND	4.77	ND	11.3		2.387
2-Butanone	ND	1.19	ND	3.52		2.387
4-Methyl-2-pentanone	ND	1.19	ND	4.88		2.387



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-09
 Client ID: AIR-8
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 21:39
 Analyst: RY

Date Collected: 09/12/07 17:14
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.388	0.020	2.11	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.058	0.020	0.235	0.081		1
1,1-Dichloroethene	0.022	0.020	0.086	0.079		1
1,2,4-Trimethylbenzene	0.045	0.020	0.220	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.221	0.070	0.707	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.080	0.020	0.505	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.042	0.020	0.204	0.098		1
Chloromethane	0.500	0.500	2.44	2.44		1
cis-1,2-Dichloroethene	0.319	0.020	1.26	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-09
 Client ID: AIR-8
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:14
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.445	0.050	2.20	0.247		1
Ethylbenzene	0.055	0.020	0.238	0.087		1
Freon-113	0.074	0.050	0.564	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.206	0.040	0.894	0.174		1
o-Xylene	0.076	0.020	0.329	0.087		1
Styrene	0.045	0.020	0.190	0.085		1
Tetrachloroethene	0.768	0.020	5.20	0.136		1
Toluene	0.308	0.020	1.16	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.453	0.020	2.43	0.107		1
Trichlorofluoromethane	0.233	0.050	1.31	0.281		1
Vinyl chloride	0.075	0.020	0.191	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.94	2.00	9.34	4.75		1
2-Butanone	0.971	0.500	2.86	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-10
 Client ID: AIR-9
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 22:17
 Analyst: RY

Date Collected: 09/12/07 16:58
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.090	0.070	0.286	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.081	0.020	0.508	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-10
 Client ID: AIR-9
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 16:58
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.462	0.050	2.28	0.247		1
Ethylbenzene	0.022	0.020	0.096	0.087		1
Freon-113	0.109	0.050	0.836	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.049	0.040	0.212	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	0.027	0.020	0.184	0.136		1
Toluene	0.120	0.020	0.451	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.023	0.020	0.124	0.107		1
Trichlorofluoromethane	0.223	0.050	1.25	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	2.02	2.00	4.80	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-11
 Client ID: AIR-10
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/22/07 23:33
 Analyst: RY

Date Collected: 09/12/07 18:04
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.030	0.020	0.161	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.086	0.070	0.275	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.077	0.020	0.482	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-11
 Client ID: AIR-10
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 18:04
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.434	0.050	2.14	0.247		1
Ethylbenzene	0.023	0.020	0.099	0.087		1
Freon-113	0.066	0.050	0.502	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.055	0.040	0.240	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	0.023	0.020	0.154	0.136		1
Toluene	0.116	0.020	0.438	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.033	0.020	0.178	0.107		1
Trichlorofluoromethane	0.211	0.050	1.18	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	2.36	2.00	5.59	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-12
 Client ID: AIR-11
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/23/07 00:12
 Analyst: RY

Date Collected: 09/12/07 13:38
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	0.022	0.020	0.130	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	0.027	0.020	0.060	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	0.024	0.020	0.144	0.120		1
Benzene	0.072	0.070	0.230	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.070	0.020	0.438	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-12
 Client ID: AIR-11
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 13:38
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.392	0.050	1.94	0.247		1
Ethylbenzene	0.023	0.020	0.102	0.087		1
Freon-113	0.059	0.050	0.455	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	0.366	0.050	1.92	0.262		1
p/m-Xylene	0.052	0.040	0.226	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	0.034	0.020	0.146	0.085		1
Tetrachloroethene	0.036	0.020	0.242	0.136		1
Toluene	0.101	0.020	0.379	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.024	0.020	0.128	0.107		1
Trichlorofluoromethane	0.185	0.050	1.04	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	1.17	0.500	3.44	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-13
 Client ID: AIR-12
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/23/07 00:50
 Analyst: RY

Date Collected: 09/12/07 17:56
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.072	0.070	0.230	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.068	0.020	0.425	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-13
 Client ID: AIR-12
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:56
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.385	0.050	1.90	0.247		1
Ethylbenzene	0.022	0.020	0.093	0.087		1
Freon-113	0.063	0.050	0.480	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.051	0.040	0.222	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.102	0.020	0.382	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.023	0.020	0.124	0.107		1
Trichlorofluoromethane	0.181	0.050	1.01	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	2.50	2.00	5.94	4.75		1
2-Butanone	1.03	0.500	3.03	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-14
 Client ID: AIR-13
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/23/07 01:28
 Analyst: RY

Date Collected: 09/12/07 17:57
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	0.282	0.020	1.54	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	0.045	0.020	0.182	0.081		1
1,1-Dichloroethene	0.026	0.020	0.104	0.079		1
1,2,4-Trimethylbenzene	0.036	0.020	0.176	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.144	0.070	0.460	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	0.024	0.020	0.092	0.078		1
Carbon tetrachloride	0.066	0.020	0.412	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	0.069	0.020	0.335	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	0.594	0.020	2.35	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-14
 Client ID: AIR-13
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 17:57
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.388	0.050	1.92	0.247		1
Ethylbenzene	0.042	0.020	0.180	0.087		1
Freon-113	0.063	0.050	0.478	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.142	0.040	0.616	0.174		1
o-Xylene	0.053	0.020	0.229	0.087		1
Styrene	0.105	0.020	0.448	0.085		1
Tetrachloroethene	1.34	0.020	9.07	0.136		1
Toluene	0.313	0.020	1.18	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	0.628	0.020	3.37	0.107		1
Trichlorofluoromethane	0.198	0.050	1.11	0.281		1
Vinyl chloride	0.138	0.020	0.352	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.15	2.00	7.48	4.75		1
2-Butanone	0.718	0.500	2.12	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-15
 Client ID: AIR-14
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/23/07 02:07
 Analyst: RY

Date Collected: 09/12/07 18:00
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	0.080	0.070	0.257	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	0.062	0.020	0.392	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-15
 Client ID: AIR-14
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 18:00
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	0.366	0.050	1.81	0.247		1
Ethylbenzene	0.025	0.020	0.106	0.087		1
Freon-113	0.061	0.050	0.465	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	0.059	0.040	0.256	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.157	0.020	0.591	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	0.178	0.050	1.00	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	3.16	2.00	7.49	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-16
 Client ID: TRIP BLANK
 Sample Location: PROVIDENCE, RI
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 09/23/07 02:45
 Analyst: RY

Date Collected: 09/12/07 00:00
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

SAMPLE RESULTS

Lab ID: L0713396-16
 Client ID: TRIP BLANK
 Sample Location: PROVIDENCE, RI

Date Collected: 09/12/07 00:00
 Date Received: 09/13/07
 Field Prep: Not Specified

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Freon-113	ND	0.050	ND	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	ND	0.020	ND	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/22/07 15:06

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM for sample(s): 01-16 Batch: WG295147-3						
1,1,1-Trichloroethane	ND	0.020	ND	0.109		1
1,1,1,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.137		1
1,1,2-Trichloroethane	ND	0.020	ND	0.109		1
1,1-Dichloroethane	ND	0.020	ND	0.081		1
1,1-Dichloroethene	ND	0.020	ND	0.079		1
1,2,4-Trimethylbenzene	ND	0.020	ND	0.098		1
1,2-Dibromoethane	ND	0.020	ND	0.154		1
1,2-Dichlorobenzene	ND	0.020	ND	0.120		1
1,2-Dichloroethane	ND	0.020	ND	0.081		1
1,2-Dichloropropane	ND	0.020	ND	0.092		1
1,3,5-Trimethylbenzene	ND	0.020	ND	0.098		1
1,3-Butadiene	ND	0.020	ND	0.044		1
1,3-Dichlorobenzene	ND	0.020	ND	0.120		1
1,4-Dichlorobenzene	ND	0.020	ND	0.120		1
Benzene	ND	0.070	ND	0.223		1
Bromodichloromethane	ND	0.020	ND	0.134		1
Bromoform	ND	0.020	ND	0.206		1
Bromomethane	ND	0.020	ND	0.078		1
Carbon tetrachloride	ND	0.020	ND	0.126		1
Chlorobenzene	ND	0.020	ND	0.092		1
Chloroethane	ND	0.020	ND	0.053		1
Chloroform	ND	0.020	ND	0.098		1
Chloromethane	ND	0.500	ND	2.44		1
cis-1,2-Dichloroethene	ND	0.020	ND	0.079		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/22/07 15:06

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM for sample(s): 01-16 Batch: WG295147-3						
cis-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Dibromochloromethane	ND	0.020	ND	0.096		1
Dichlorodifluoromethane	ND	0.050	ND	0.247		1
Ethylbenzene	ND	0.020	ND	0.087		1
Freon-113	ND	0.050	ND	0.383		1
Freon-114	ND	0.050	ND	0.349		1
Methylene chloride	ND	1.00	ND	3.47		1
Methyl tert butyl ether	ND	0.020	ND	0.072		1
Naphthalene	ND	0.050	ND	0.262		1
p/m-Xylene	ND	0.040	ND	0.174		1
o-Xylene	ND	0.020	ND	0.087		1
Styrene	ND	0.020	ND	0.085		1
Tetrachloroethene	ND	0.020	ND	0.136		1
Toluene	0.026	0.020	0.097	0.075		1
trans-1,2-Dichloroethene	ND	0.020	ND	0.079		1
trans-1,3-Dichloropropene	ND	0.020	ND	0.091		1
Trichloroethene	ND	0.020	ND	0.107		1
Trichlorofluoromethane	ND	0.050	ND	0.281		1
Vinyl chloride	ND	0.020	ND	0.051		1
Acrylonitrile	ND	0.500	ND	1.08		1
n-Butylbenzene	ND	0.500	ND	2.74		1
sec-Butylbenzene	ND	0.500	ND	2.74		1
Isopropylbenzene	ND	0.500	ND	2.46		1
p-Isopropyltoluene	ND	0.500	ND	2.74		1
Acetone	ND	2.00	ND	4.75		1



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/22/07 15:06

Parameter	ppbV		ug/m3		Qualifier	Dilution Factor
	Results	RDL	Results	RDL		
Volatile Organic Compounds in Air by SIM for sample(s): 01-16 Batch: WG295147-3						
2-Butanone	ND	0.500	ND	1.47		1
4-Methyl-2-pentanone	ND	0.500	ND	2.05		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-16 Batch: WG295147-2					
1,1,1-Trichloroethane	94	-	70-130	-	
1,1,1,2-Tetrachloroethane	97	-	70-130	-	
1,1,2,2-Tetrachloroethane	95	-	70-130	-	
1,1,2-Trichloroethane	94	-	70-130	-	
1,1-Dichloroethane	97	-	70-130	-	
1,1-Dichloroethene	102	-	70-130	-	
1,2,4-Trimethylbenzene	98	-	70-130	-	
1,2-Dibromoethane	96	-	70-130	-	
1,2-Dichlorobenzene	98	-	70-130	-	
1,2-Dichloroethane	93	-	70-130	-	
1,2-Dichloropropane	92	-	70-130	-	
1,3,5-Trimethylbenzene	98	-	70-130	-	
1,3-Butadiene	99	-	70-130	-	
1,3-Dichlorobenzene	99	-	70-130	-	
1,4-Dichlorobenzene	100	-	70-130	-	
Benzene	80	-	70-130	-	
Bromodichloromethane	94	-	70-130	-	
Bromoform	95	-	70-130	-	
Bromomethane	101	-	70-130	-	
Carbon tetrachloride	96	-	70-130	-	
Chlorobenzene	97	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-16 Batch: WG295147-2					
Chloroethane	102	-	70-130	-	
Chloroform	97	-	70-130	-	
Chloromethane	97	-	70-130	-	
cis-1,2-Dichloroethene	99	-	70-130	-	
cis-1,3-Dichloropropene	93	-	70-130	-	
Dibromochloromethane	96	-	70-130	-	
Dichlorodifluoromethane	101	-	70-130	-	
Ethylbenzene	97	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	101	-	70-130	-	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	100	-	70-130	-	
Methylene chloride	91	-	70-130	-	
Methyl tert butyl ether	94	-	70-130	-	
Naphthalene	96	-	70-130	-	
p/m-Xylene	97	-	70-130	-	
o-Xylene	97	-	70-130	-	
Styrene	95	-	70-130	-	
Tetrachloroethene	100	-	70-130	-	
Toluene	86	-	70-130	-	
trans-1,2-Dichloroethene	99	-	70-130	-	
trans-1,3-Dichloropropene	92	-	70-130	-	
Trichloroethene	97	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-16 Batch: WG295147-2					
Trichlorofluoromethane	101	-	70-130	-	
Vinyl chloride	103	-	70-130	-	
Acrylonitrile	89	-	70-130	-	
n-Butylbenzene	93	-	70-130	-	
sec-Butylbenzene	94	-	70-130	-	
Isopropylbenzene	96	-	70-130	-	
p-Isopropyltoluene	89	-	70-130	-	
Acetone	79	-	70-130	-	
2-Butanone	89	-	70-130	-	
4-Methyl-2-pentanone	83	-	70-130	-	

Lab Duplicate Analysis

Batch Quality Control

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-16 QC Batch ID: WG295147-4 QC Sample: L0713396-10 Client ID: AIR-9					
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
Benzene	0.090	0.096	ppbV	7	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis

Batch Quality Control

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-16 QC Batch ID: WG295147-4 QC Sample: L0713396-10 Client ID: AIR-9					
Carbon tetrachloride	0.081	0.085	ppbV	5	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.462	0.471	ppbV	2	25
Ethylbenzene	0.022	0.025	ppbV	11	25
Freon-113	0.109	0.112	ppbV	3	25
Freon-114	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Naphthalene	ND	ND	ppbV	NC	25
p/m-Xylene	0.049	0.054	ppbV	11	25
o-Xylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	0.027	0.029	ppbV	7	25

Lab Duplicate Analysis

Batch Quality Control

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organic Compounds in Air by SIM Associated sample(s): 01-16 QC Batch ID: WG295147-4 QC Sample: L0713396-10 Client ID: AIR-9					
Toluene	0.120	0.133	ppbV	10	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	0.023	0.025	ppbV	6	25
Trichlorofluoromethane	0.223	0.229	ppbV	3	25
Vinyl chloride	ND	ND	ppbV	NC	25
Acrylonitrile	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
Acetone	2.02	2.30	ppbV	13	25
2-Butanone	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0713396-01A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-02A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-03A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-04A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-05A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-06A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-07A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-08A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-09A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-10A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-11A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-12A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-13A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-14A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-15A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM
L0713396-16A	Canister - 2.7 Liter	NA	NA	NA	NA	Absent	TO15-SIM

Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
 LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
 LCSD- Laboratory Control Sample Duplicate: Refer to LCS.
 MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
 MSD - Matrix Spike Sample Duplicate: Refer to MS.
 NA - Not Applicable.
 NI - Not Ignitable.
 NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
 ND - Not detected at the reported detection limit for the sample.
 RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
 RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

Report Format: Not Specified



Project Name: GORHAM
Project Number: 3650050041.12

Lab Number: L0713396
Report Date: 09/28/07

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Woods Hole Labs performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Woods Hole Labs be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.





ALPHA
CHAIN OF CUSTODY

AIR ANALYSIS

PAGE 1 OF 2

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: **MACTEC**
Address: **107 Audubon Rd.**
Suite 301 Wakefield, MA
Phone: **781 245 6606 01880**
Fax: **781 246 5066**
Email: **deheislein@mactec.com**

These samples have been previously analyzed by Alpha
Other Project Specific Requirements/Comments:

Project Information

Project Name: **Gorham**
Project Location: **Providence, RI**
Project #: **3650050041.12**
Project Manager: **Dave Heislein**
ALPHA Quote #:
Turn-Around Time

Standard RUSH (only confirmed if pre-approved)
5 DAYS TO-13: 10 DAYS
Date Due: Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

FAX
 ADEX
Criteria Checker:
Other Formats:
 EMAIL (standard pdf report)
 Additional Deliverables: **E2 EBD Lewis**
Report to: (if different than Project Manager)

ALPHA Job #: **L0713396**

Billing Information

Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

ANALYSIS

- TO-14A
- TO-15
- TO-15 SIM
- APH
- DISSOLVED GASES
- FIXED GASES
- TO-13A
- TO-15 SULFIDES/MERCAPTANS
- DISS GASES CO2 ONLY
- TO-4/TO-10

ALPHA Lab ID (Lab. Use Only)	Sample ID	Collection			Sample Matrix	Sampler's Initials	ID Can	ID -Flow Controller	ANALYSIS				Sample Comments (i.e. PID)					
		Date	Start Time	End Time					TO-14A	TO-15	TO-15 SIM	APH		DISSOLVED GASES	FIXED GASES	TO-13A	TO-15 SULFIDES/MERCAPTANS	DISS GASES CO2 ONLY
-01	Air -1	9-12-07	1038	1405 <i>(17:30)</i>	A	PSM	1655	01416		X								$P_c = -29.5$ $P_f = 3.5$
-02	Air -2	9-12-07	0953	1621 <i>(17:30)</i>	A	PSM	1660	0237		X								$P_c = -30$ $P_f = -4.5$
-03	Air -3	9-12-07	0950	1621	A	PSM	1654	0130		X								$P_c = -28.5$ $P_f = -4.5$
-04	Air -4	9-12-07	0958	1342	A	PSM	740	0002		X								$P_c = -30$ $P_f = 0$
-05	Air -5	9-12-07	1000	1756	A	PSM	1565	0269		X								$P_c = -30$ $P_f = -10$
-06	Air -5 Dup	9-12-07	1000	1756	A	PSM	1540	0384		X								$P_c = -29.5$ $P_f = -4.5$
-07	Air -6	9-12-07	0959	1719	A	PSM	1544	0064		X								$P_c = -29$ $P_f = -2$
-08	Air -7	9-12-07	0957	1753	A	PSM	1649	0065		X								$P_c = -29$ $P_f = -16$
-09	Air -8	9-12-07	0956	1714	A	PSM	1556	0262		X								$P_c = -24.5$ $P_f = -2$
-10	Air -9	9-12-07	0952	1658	A	PSM	635	0398		X								$P_c = -30$ $P_f = -3.5$

Shaded Gray Areas For Lab Use Only

Relinquished By: *[Signature]* Date/Time: **9-13-07 1330**

Received By: *[Signature]* Date/Time: **9-13-07 1330**

Form No: 01-03 (rev. 28-NOV-06)

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.



ALPHA
WOODS HOLE LABS
CHAIN OF CUSTODY

AIR ANALYSIS

Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: **Mactec**
Address: **107 Audubon Rd, Suite 301 Wakefield, MA 01880**
Phone: **781 245 6606**
Fax: **781 246 5060**
Email: **deheislein@mactec.com**

These samples have been previously analyzed by Alpha
 Other Project Specific Requirements/Comments:

Project Information

Project Name: **Govhans**
Project Location: **Providence, RI**
Project #: **365005004.12**
Project Manager: **Dave Heislein**
ALPHA Quote #:

Turn-Around Time

Standard 5 DAYS
 RUSH (only confirmed if pre-approved) TO-13; 10 DAYS
Date Due: Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

FAX
 ADEX
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
 EMAIL (standard pdf report)
 Additional Deliverables:
EDS ED EDD
Report to: (if different than Project Manager)

ALPHA Job #: **L0713396**

Billing Information

Same as Client info
PO #:

Regulatory Requirements/Report Limits

State/Fed Program Criteria

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection			Sample Matrix	Sampler's Initials	ID Can	ID-Flow Controller	ANALYSIS							Sample Comments (i.e. PID)	
		Date	Start Time	End Time					TO-14A	TO-15	TO-15 SIM	APH	DISSOLVED GASES	FIXED GASES	TO-13A		TO-15 SULFIDES/MERCAPTANS
-11	Air -10	9.12.07	1004	1804	A	PTM	921	0241	X								$P_c = -29.5$ $P_a = -5$
-12	Air -11	9.12.07	0954	1338	A	PTM	931	0397	X								$P_c = -29$ $P_a = -1$
-13	Air -12	9.12.07	0956	1756	A	PTM	1658	0231	X								$P_c > -30$ $P_a = -9$
-14	Air -13	9.12.07	1010	1757	A	PTM	1652	0232	X								$P_c > -30$ $P_a = -6$
-15	Air -14	9.12.07	1000	1800	A	PTM	624	0268	X								$P_c = -29$ $P_a = -3$
-16	Trip blank	9.12.07	1800		A	PTM			X								

Shaded Gray Areas For Lab Use Only

Relinquished By: *[Signature]* Date/Time: 9.13.07/1330

Received By: *[Signature]* Date/Time: 9.13.07/1540

Container Type: CS

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

Page 60 of 60

Attachment C
Meteorological Data for Sampling Date
September 12, 2007

History for Providence, RI

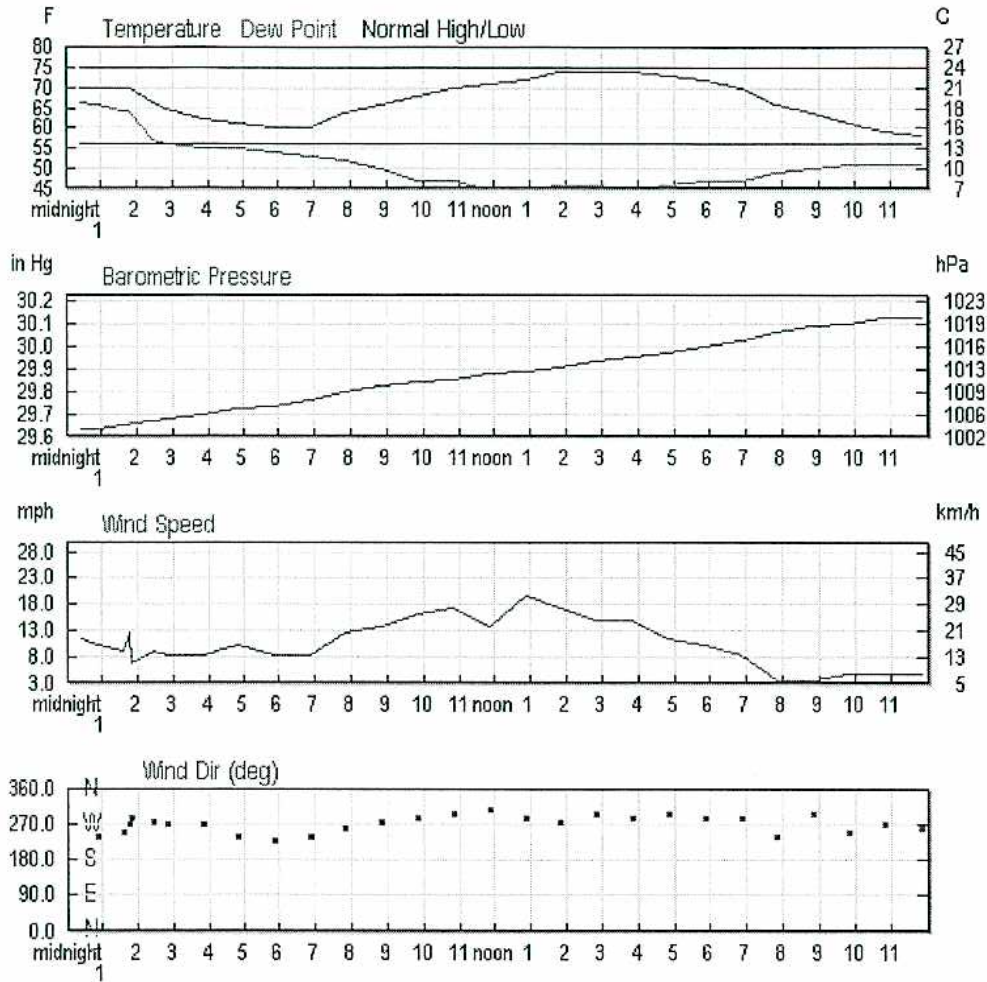
Wednesday, September 12, 2007

Daily Summary

	Actual:	Average :	Record :
Temperature:			
Mean Temperature	66 °F / 18 °C	65 °F / 18 °C	
Max Temperature	76 °F / 24 °C	75 °F / 23 °C	91 °F / 32 °C (2005)
Min Temperature	56 °F / 13 °C	56 °F / 13 °C	42 °F / 5 °C (1917)
Degree Days:			
Heating Degree Days	0	2	
Month to date heating degree days	0	18	
Since 1 July heating degree days	8	30	
Cooling Degree Days	1	3	
Month to date cooling degree days	64	43	
Year to date cooling degree days	810	681	
Growing Degree Days	16 (Base 50)		
Moisture:			
Dew Point	53 °F / 11 °C		
Average Humidity	63		
Maximum Humidity	90		
Minimum Humidity	35		
Precipitation:			
Precipitation	0.00 in / 0.00 cm	0.12 in / 0.30 cm	2.22 in / 5.64 cm (1960)
Month to date precipitation	2.11	1.54	
Year to date precipitation	33.04	32.06	
Snow:			
Snow	0.00 in / 0.00 cm	0.00 in / 0.00 cm	0.00 in / 0.00 cm (2002)
Month to date snowfall	0.0	0.0	
Since 1 July snowfall	0.0	0.0	
Since 1 September snowfall	0.0	0.0	
Snow Depth	0.00 in / 0.00 cm		
Sea Level Pressure:			
Sea Level Pressure	29.86 in / 1011 hPa		
Wind:			
Wind Speed	10 mph / 16 km/h (West)		
Max Wind Speed	23 mph / 37 km/h		
Max Gust Speed	29 mph / 47 km/h		
Visibility	9 miles / 14 kilometers		
Events			

T = Trace of Precipitation, MM = Missing Value

Source: NWS Daily Summar



Hourly Observations

Time (EDT):	Temp:	Dew Point:	Humidity:	Sea Level Pressure:	Visibility:	Wind Dir:	Wind Speed:	Gust Speed:	Precip:	Events:	Conditions
12:24 AM	69.8 °F / 21.0 °C	66.2 °F / 19.0 °C	88%	29.63 in / 1003.3 hPa	5.0 miles / 8.0 kilometers	WSW	11.5 mph / 18.5 km/h / 5.1 m/s	-	N/A		Mostly Cloudy
12:51 AM	70.0 °F / 21.1 °C	66.0 °F / 18.9 °C	87%	29.63 in / 1003.4 hPa	5.0 miles / 8.0 kilometers	WSW	10.4 mph / 16.7 km/h / 4.6 m/s	-	N/A		Mostly Cloudy
1:37 AM	69.8 °F / 21.0 °C	64.4 °F / 18.0 °C	83%	29.65 in / 1003.9 hPa	5.0 miles / 8.0 kilometers	WSW	9.2 mph / 14.8 km/h / 4.1 m/s	-	N/A		Haze
1:46 AM	69.8 °F / 21.0 °C	64.4 °F / 18.0 °C	83%	29.65 in / 1003.9 hPa	5.0 miles / 8.0 kilometers	West	12.7 mph / 20.4 km/h / 5.7 m/s	19.6 mph / 31.5 km/h / 8.7 m/s	N/A		Haze
1:51 AM	70.0 °F / 21.1 °C	64.0 °F / 17.8 °C	81%	29.66 in / 1004.2 hPa	5.0 miles / 8.0 kilometers	WNW	6.9 mph / 11.1 km/h / 3.1 m/s	19.6 mph / 31.5 km/h / 8.7 m/s	N/A		Haze
2:25	66.2 °F /	57.2 °F /	73%	29.67 in /	10.0 miles /	West	9.2 mph / 14.8 km/h	-	N/A		Scattered

AM	19.0 °C	14.0 °C		1004.6 hPa	16.1 kilometers		/ 4.1 m/s			Clouds
2:51 AM	64.9 °F	55.9 °F	73%	29.68 in /	10.0 miles /	West	8.1 mph /		N/A	Partly Cloudy
	18.3 °C	13.3 °C		1004.9 hPa	16.1 kilometers		13.0 km/h -			
							/ 3.6 m/s			
3:51 AM	62.1 °F	55.0 °F	78%	29.70 in /	10.0 miles /	West	8.1 mph /		N/A	Clear
	16.7 °C	12.8 °C		1005.8 hPa	16.1 kilometers		13.0 km/h -			
							/ 3.6 m/s			
4:51 AM	61.0 °F	55.0 °F	81%	29.72 in /	10.0 miles /	WSW	10.4 mph		N/A	Clear
	16.1 °C	12.8 °C		1006.4 hPa	16.1 kilometers		16.7 km/h -			
							/ 4.6 m/s			
5:51 AM	60.1 °F	54.0 °F	80%	29.73 in /	10.0 miles /	SW	8.1 mph /		N/A	Partly Cloudy
	15.6 °C	12.2 °C		1006.8 hPa	16.1 kilometers		13.0 km/h -			
							/ 3.6 m/s			
6:51 AM	60.1 °F	53.1 °F	78%	29.76 in /	10.0 miles /	WSW	8.1 mph /		N/A	Scattered Clouds
	15.6 °C	11.7 °C		1007.8 hPa	16.1 kilometers		13.0 km/h -			
							/ 3.6 m/s			
7:51 AM	64.0 °F	52.0 °F	65%	29.80 in /	10.0 miles /	West	12.7 mph	24.2 mph	N/A	Partly Cloudy
	17.8 °C	11.1 °C		1009.0 hPa	16.1 kilometers		20.4 km/h	38.9 km/h		
							/ 5.7 m/s	/ 10.8 m/s		
8:51 AM	66.0 °F	50.0 °F	56%	29.82 in /	10.0 miles /	West	13.8 mph	23.0 mph	N/A	Partly Cloudy
	18.9 °C	10.0 °C		1009.7 hPa	16.1 kilometers		22.2 km/h	37.0 km/h		
							/ 6.2 m/s	/ 10.3 m/s		
9:51 AM	68.0 °F	46.9 °F	47%	29.84 in /	10.0 miles /	WNW	16.1 mph	23.0 mph	N/A	Scattered Clouds
	20.0 °C	8.3 °C		1010.5 hPa	16.1 kilometers		25.9 km/h	37.0 km/h		
							/ 7.2 m/s	/ 10.3 m/s		
10:51 AM	70.0 °F	46.9 °F	44%	29.85 in /	10.0 miles /	WNW	17.3 mph	23.0 mph	N/A	Scattered Clouds
	21.1 °C	8.3 °C		1010.8 hPa	16.1 kilometers		27.8 km/h	37.0 km/h		
							/ 7.7 m/s	/ 10.3 m/s		
11:51 AM	71.1 °F	45.0 °F	39%	29.88 in /	10.0 miles /	NW	13.8 mph	25.3 mph	N/A	Scattered Clouds
	21.7 °C	7.2 °C		1011.7 hPa	16.1 kilometers		22.2 km/h	40.7 km/h		
							/ 6.2 m/s	/ 11.3 m/s		
12:51 PM	72.0 °F	45.0 °F	38%	29.89 in /	10.0 miles /	WNW	19.6 mph	25.3 mph	N/A	Scattered Clouds
	22.2 °C	7.2 °C		1012.0 hPa	16.1 kilometers		31.5 km/h	40.7 km/h		
							/ 8.7 m/s	/ 11.3 m/s		
1:51 PM	73.9 °F	46.0 °F	37%	29.91 in /	10.0 miles /	West	17.3 mph	25.3 mph	N/A	Scattered Clouds
	23.3 °C	7.8 °C		1012.8 hPa	16.1 kilometers		27.8 km/h	40.7 km/h		
							/ 7.7 m/s	/ 11.3 m/s		
2:51 PM	73.9 °F	46.0 °F	37%	29.93 in /	10.0 miles /	WNW	15.0 mph		N/A	Scattered Clouds
	23.3 °C	7.8 °C		1013.5 hPa	16.1 kilometers		24.1 km/h			
							/ 6.7 m/s			
3:51 PM	73.9 °F	45.0 °F	35%	29.95 in /	10.0 miles /	WNW	15.0 mph	23.0 mph	N/A	Mostly Cloudy
	23.3 °C	7.2 °C		1014.1 hPa	16.1 kilometers		24.1 km/h	37.0 km/h		
							/ 6.7 m/s	/ 10.3 m/s		
4:51 PM	73.0 °F	46.0 °F	38%	29.97 in /	10.0 miles /	WNW	11.5 mph		N/A	Mostly Cloudy
	22.8 °C	7.8 °C		1014.7 hPa	16.1 kilometers		18.5 km/h			
							/ 5.1 m/s			
5:51	72.0 °F	46.9 °F		30.00 in /	10.0 miles /		10.4 mph			Partly

PM	/	/ 8.3 °C	41%	1015.7 hPa	16.1 kilometers	WNW	16.7 km/h / 4.6 m/s	-	N/A	Cloudy	
6:51 PM	/	70.0 °F / 21.1 °C	46.9 °F / 8.3 °C	44%	30.02 in / 1016.4 hPa	10.0 miles / 16.1 kilometers	WNW	8.1 mph / 13.0 km/h / 3.6 m/s	-	N/A	Partly Cloudy
7:51 PM	/	66.0 °F / 18.9 °C	48.9 °F / 9.4 °C	54%	30.06 in / 1017.8 hPa	10.0 miles / 16.1 kilometers	WSW	3.5 mph / 5.6 km/h / 1.5 m/s	-	N/A	Partly Cloudy
8:51 PM	/	64.0 °F / 17.8 °C	50.0 °F / 10.0 °C	60%	30.09 in / 1018.8 hPa	10.0 miles / 16.1 kilometers	WNW	3.5 mph / 5.6 km/h / 1.5 m/s	-	N/A	Partly Cloudy
9:51 PM	/	61.0 °F / 16.1 °C	51.1 °F / 10.6 °C	70%	30.10 in / 1019.2 hPa	10.0 miles / 16.1 kilometers	WSW	4.6 mph / 7.4 km/h / 2.1 m/s	-	N/A	Clear
10:51 PM	/	59.0 °F / 15.0 °C	51.1 °F / 10.6 °C	75%	30.12 in / 1019.7 hPa	10.0 miles / 16.1 kilometers	West	4.6 mph / 7.4 km/h / 2.1 m/s	-	N/A	Clear
11:51 PM	/	57.9 °F / 14.4 °C	51.1 °F / 10.6 °C	78%	30.12 in / 1019.8 hPa	10.0 miles / 16.1 kilometers	West	4.6 mph / 7.4 km/h / 2.1 m/s	-	N/A	Clear



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Attachment D
References

Attachment D

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